LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.615	39	47	71	rBV	5541761	28824441	14.56%	1.562%
2	4.420	489	508	528	rBV	2186688	11251225	5.68%	0.610%
3	4.900	570	587	614	rBV2	3776060	19094913	9.64%	1.035%
4	6.226	790	805	817	rBV2	1424010	5591797	2.82%	0.303%
5	6.391	817	832	840	rVV	6949864	32187542	16.25%	1.744%
6	6.470	841	845	862	rVB	4078981	13780435	6.96%	0.747%
7	6.695	871	882	899	rVB	868884	3362922	1.70%	0.182%
8	7.267	968	976	992	rVB	2154618	7233892	3.65%	0.392%
9	7.522	1005	1018	1025	rBV	5122026	17131203	8.65%	0.928%
10	7.626	1025	1035	1048	rVV	12535731	46584958	23.53%	2.524%
11	7.747	1048	1055	1059	rVV	1189814	3046020	1.54%	0.165%
12	7.814	1059	1066	1078	rVB2	2937935	9475175	4.79%	0.513%
13	8.033	1090	1102	1104	rBV2	6116291	14751367	7.45%	0.799%
14	8.130	1104	1118	1125	rVV	45183736	198016465	100.00%	10.729%
15	8.197	1125	1129	1166	rVB	4709975	15121060	7.64%	0.819%
16	8.794	1220	1227	1237	rVB	1155809	2888172	1.46%	0.156%
17	8.970	1238	1256	1262	rBV5	19725492	66442974	33.55%	3.600%
18	9.037	1262	1267	1275	rVV	20105978	52468494	26.50%	2.843%
19	9.122	1275	1281	1292	rVB	8987412	24487647	12.37%	1.327%
20	9.250	1292	1302	1318	rVB2	3811270	12285160	6.20%	0.666%
21	9.426	1319	1331	1343	rBV2	45777327	148842645	75.17%	8.064%
22	9.560	1343	1353	1371	rVB	55829534	161342744	81.48%	8.742%
23	9.737	1376	1382	1387	rBV	7836471	16634439	8.40%	0.901%
24	9.791	1387	1391	1400	rVB	3628385	7512190	3.79%	0.407%
25	9.925	1400	1413	1418	rBV	36531806	87177150	44.03%	4.723%
26	9.974	1418	1421	1435	rVB	9964981	28443101	14.36%	1.541%
27	10.095	1435	1441	1445	rBV2	1852372	3455467	1.75%	0.187%
28	10.150	1445	1450	1461	rVB3	4818443	12722541	6.42%	0.689%
29	10.321	1468	1478	1483	rBV2	8041639	18249580	9.22%	0.989%
30	10.448	1489	1499	1506	rBV2	10982921	29837804	15.07%	1.617%
31	10.515	1506	1510	1516	rVB	3401709	6166242	3.11%	0.334%
32	10.607	1516	1525	1532	rBV2	4944463	9842451	4.97%	0.533%
33	10.710	1535	1542	1550	rBV	5395697	12022047	6.07%	0.651%
34	10.838	1550	1563	1567	rBV3	6106512	14522560	7.33%	0.787%

LSC Area Percent Report

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Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Title : TRACE VOA SOM01.0

35	10.899	1567	1573	1578	rBV	7665287	14369478	7.26%	0.779%
36	10.953	1578	1582	1586	rVV2	2151182	3124789	1.58%	0.169%
37	11.014	1586	1592	1596	rVV3	5005363	8920361	4.50%	0.483%
38	11.057	1596	1599	1602	rVV2	1804308	2749553	1.39%	0.149%
39	11.099	1602	1606	1615	rVB	5637722	12130969	6.13%	0.657%
40	11.184	1615	1620	1623	rBV2	1847440	3217791	1.63%	0.174%
41	11.282	1631	1636	1643	rBV	9927182	22789187	11.51%	1.235%
42	11.373	1643	1651	1657	rVB2	10855319	24020971	12.13%	1.301%
43	11.434	1657	1661	1664	rBV	1849161	2779447	1.40%	0.151%
44	11.483	1664	1669	1673	rVB4	1505705	3008474	1.52%	0.163%
45	11.549	1673	1680	1691	rVB2	12195347	32548084	16.44%	1.763%
46	11.702	1699	1705	1708	rBV2	2281776	4281217	2.16%	0.232%
47	11.744	1708	1712	1716	rBV2	5090825	8008916	4.04%	0.434%
48	11.811	1716	1723	1729	rVB3	5672490	13121590	6.63%	0.711%
49	11.933	1735	1743	1747	rVB	6694234	11697816	5.91%	0.634%
50	12.006	1750	1755	1758	rBV3	5393928	9674115	4.89%	0.524%
51	12.042	1758	1761	1766	rVB3	6178386	10271439	5.19%	0.557%
52	12.127	1772	1775	1779	rVB2	2252790	2593936	1.31%	0.141%
53	12.182	1779	1784	1788	rBV4	3792168	7637137	3.86%	0.414%
54	12.225	1788	1791	1794	rVB2	4487636	5012889	2.53%	0.272%
55	12.267	1794	1798	1806	rVB	20081546	33697890	17.02%	1.826%
56	12.334	1806	1809	1811	rBV2	3076067	4108044	2.07%	0.223%
57	12.365	1811	1814	1820	rVB4	2641584	5658741	2.86%	0.307%
58	12.444	1820	1827	1835	rVB5	9967383	32167027	16.24%	1.743%
59	12.529	1835	1841	1847	rBV7	3616290	9530895	4.81%	0.516%
60	12.614	1847	1855	1862	rBV6	8071303	27744926	14.01%	1.503%
61	12.754	1874	1878	1882	rBV5	3672544	6552854	3.31%	0.355%
62	12.815	1885	1888	1890	rBV	3042750	3833946	1.94%	0.208%
63	12.851	1890	1894	1896	rBV	13019613	17887667	9.03%	0.969%
64	12.979	1910	1915	1920	rBV	6896399	12076952	6.10%	0.654%
65	13.028	1920	1923	1926	rVV2	5090284	8343541	4.21%	0.452%
66	13.089	1930	1933	1936	rVV2	7648885	12838852	6.48%	0.696%
67	13.125	1936	1939	1942	rVV	7880750	11442887	5.78%	0.620%
68	13.168	1942	1946	1949	rVV3	6717825	10241382	5.17%	0.555%
69	13.204	1949	1952	1956	rVB2	5899100	7666450	3.87%	0.415%
70	13.283	1960	1965	1975	rVB3	4888826	14472588	7.31%	0.784%
71	13.368	1975	1979	1981	rBV3	1827336	2537227	1.28%	0.137%

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Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Title : TRACE VOA SOM01.0

72	13.478	1994	1997	2001	rBV3	1495781	3160878	1.60%	0.171%
73	13.545	2003	2008	2013	rVV3	9908979	19156907	9.67%	1.038%
74	13.594	2013	2016	2020	rVB2	4431086	6308265	3.19%	0.342%
75	13.715	2032	2036	2041	rBV4	6667660	14149631	7.15%	0.767%
76	13.770	2041	2045	2049	rVV	7371644	11275252	5.69%	0.611%
77	13.819	2049	2053	2057	rVB2	6663502	9394629	4.74%	0.509%
78	13.873	2057	2062	2067	rVB4	5970481	9098152	4.59%	0.493%
79	13.946	2067	2074	2079	rBV6	5402999	10813939	5.46%	0.586%
80	13.995	2079	2082	2085	rBV4	2423470	4031811	2.04%	0.218%
81	14.050	2085	2091	2104	rVB8	12267194	42781833	21.61%	2.318%
82	14.178	2109	2112	2114	rVV2	2110014	2410536	1.22%	0.131%
83	14.214	2114	2118	2122	rVB4	6614575	8760018	4.42%	0.475%
84	14.342	2136	2139	2142	rBV3	1784717	2459647	1.24%	0.133%
85	14.409	2147	2150	2153	rBV3	2729772	3980833	2.01%	0.216%
86	14.470	2155	2160	2165	rVV4	8964419	17637034	8.91%	0.956%
87	14.524	2165	2169	2175	rVB2	21518344	32010854	16.17%	1.734%
88	14.597	2179	2181	2185	rVB2	3151458	3470619	1.75%	0.188%
89	14.731	2200	2203	2206	rVB3	4471731	5851765	2.96%	0.317%
90	14.768	2206	2209	2211	rBV2	1869610	2473887	1.25%	0.134%
91	14.926	2232	2235	2239	rVB2	6156738	7963647	4.02%	0.431%
92	14.993	2242	2246	2251	rBV	15850539	22340354	11.28%	1.210%
93	15.108	2261	2265	2269	rBV6	2670020	4683088	2.36%	0.254%
94	15.273	2289	2292	2294	rBV4	2148744	3104339	1.57%	0.168%
95	15.364	2302	2307	2312	rVB4	5164829	9621458	4.86%	0.521%
96	15.765	2369	2373	2377	rVB3	3213758	5192200	2.62%	0.281%
97	15.814	2377	2381	2389	rVB3	2985600	6071343	3.07%	0.329%
98	15.887	2389	2393	2399	rBV	3940578	6254490	3.16%	0.339%
99	16.185	2438	2442	2447	rBV5	1675981	2724813	1.38%	0.148%
100	16.295	2457	2460	2475	rVB5	1348159	4928473	2.49%	0.267%

Sum of corrected areas: 1845667546

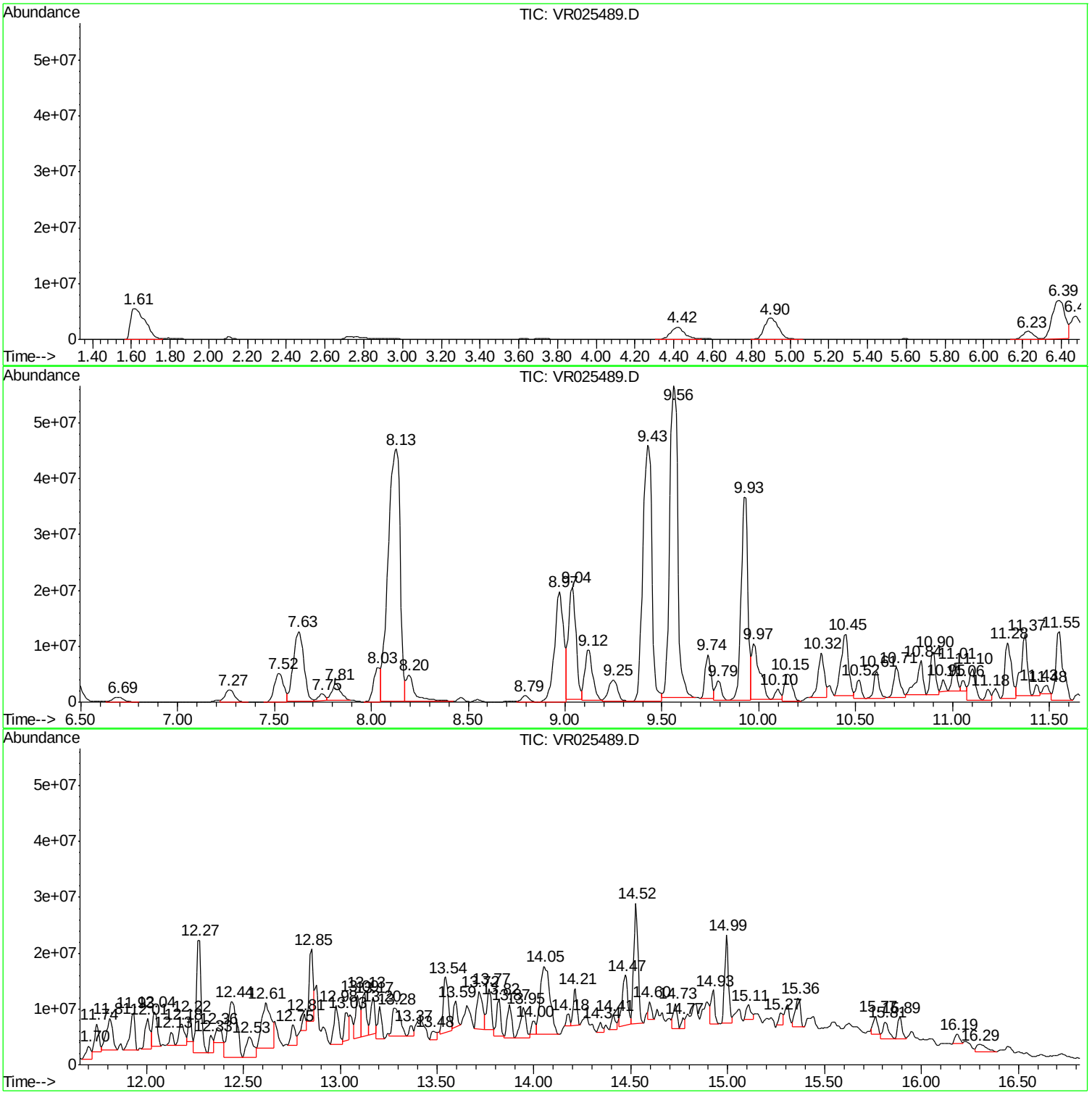
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

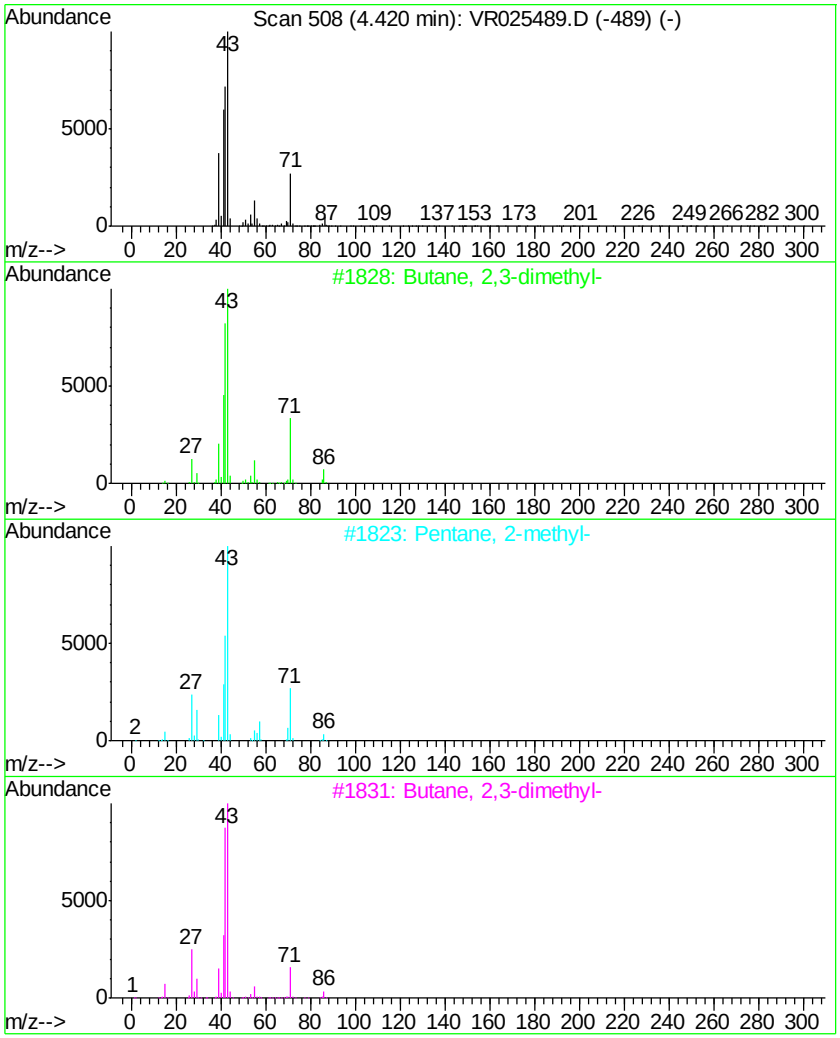
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

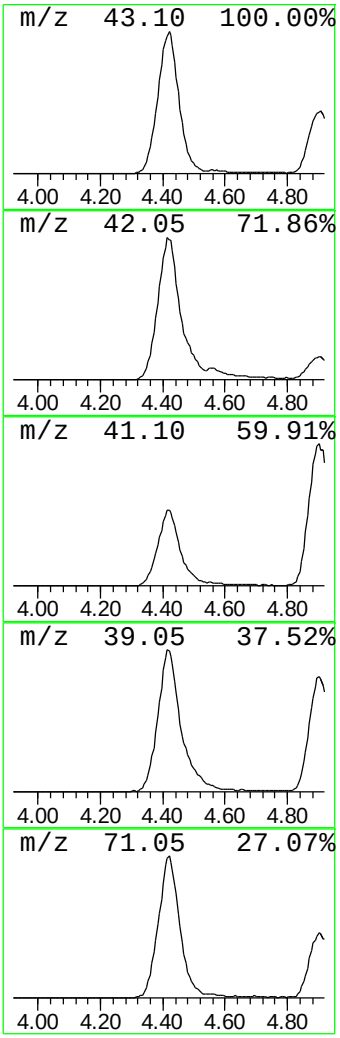
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.42	3.72 ug/L	11251200	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	78
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	78
4	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	39
5	Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

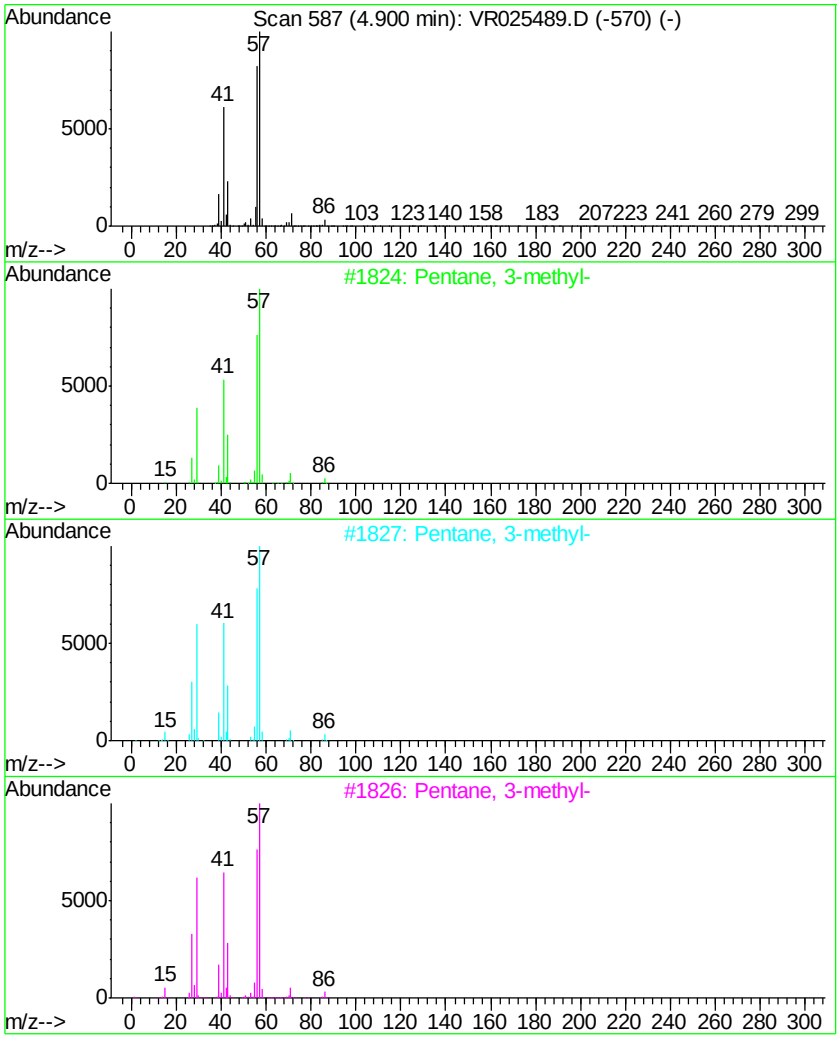
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

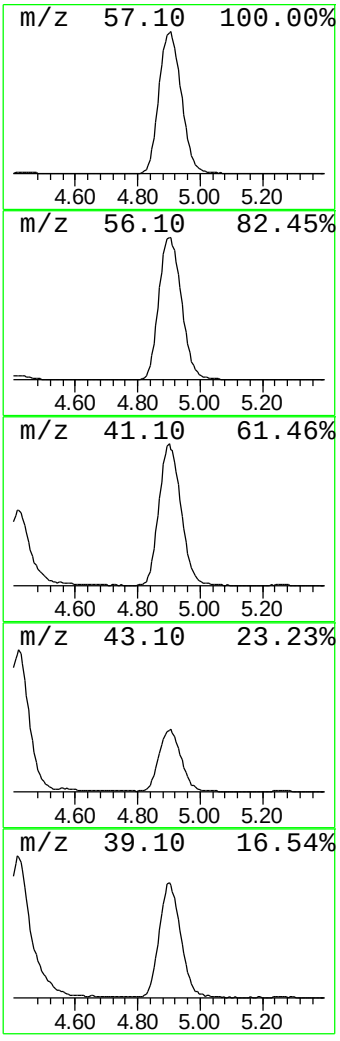
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	6.31 ug/L	19094900	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

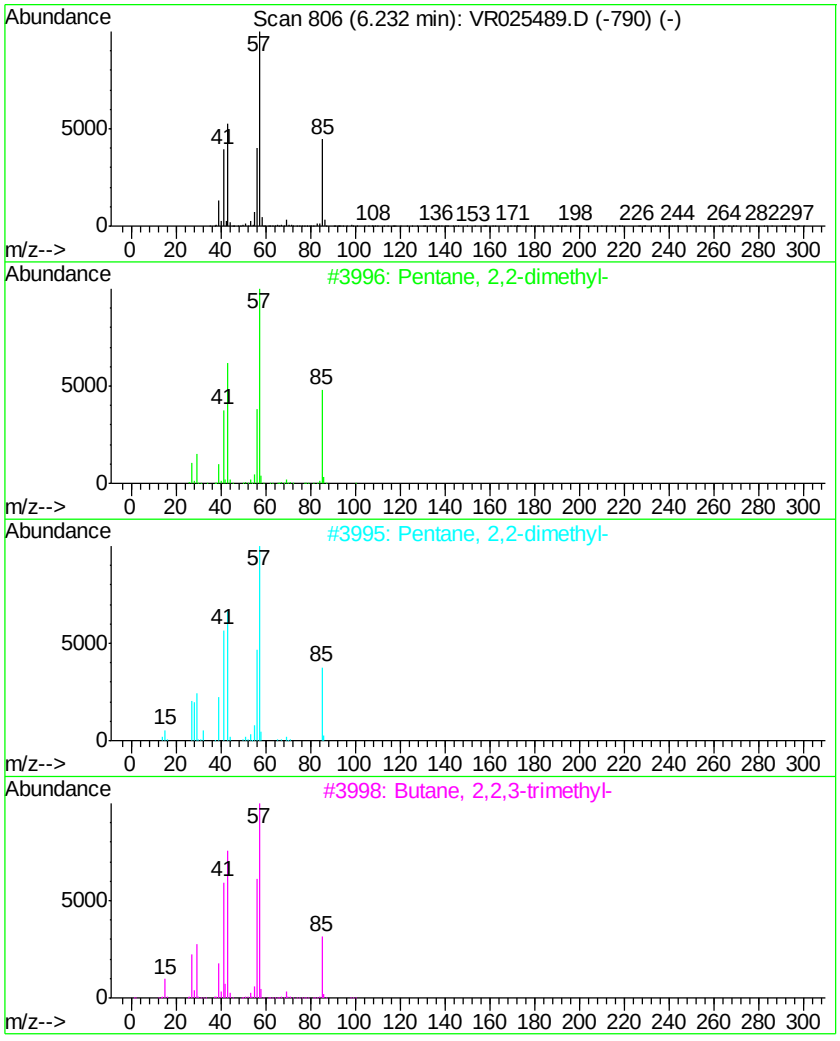
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

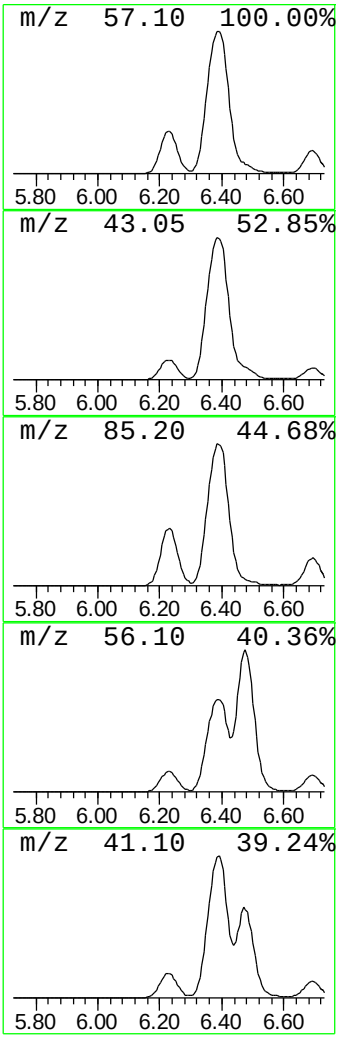
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	1.85 ug/L	5591800	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	90
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

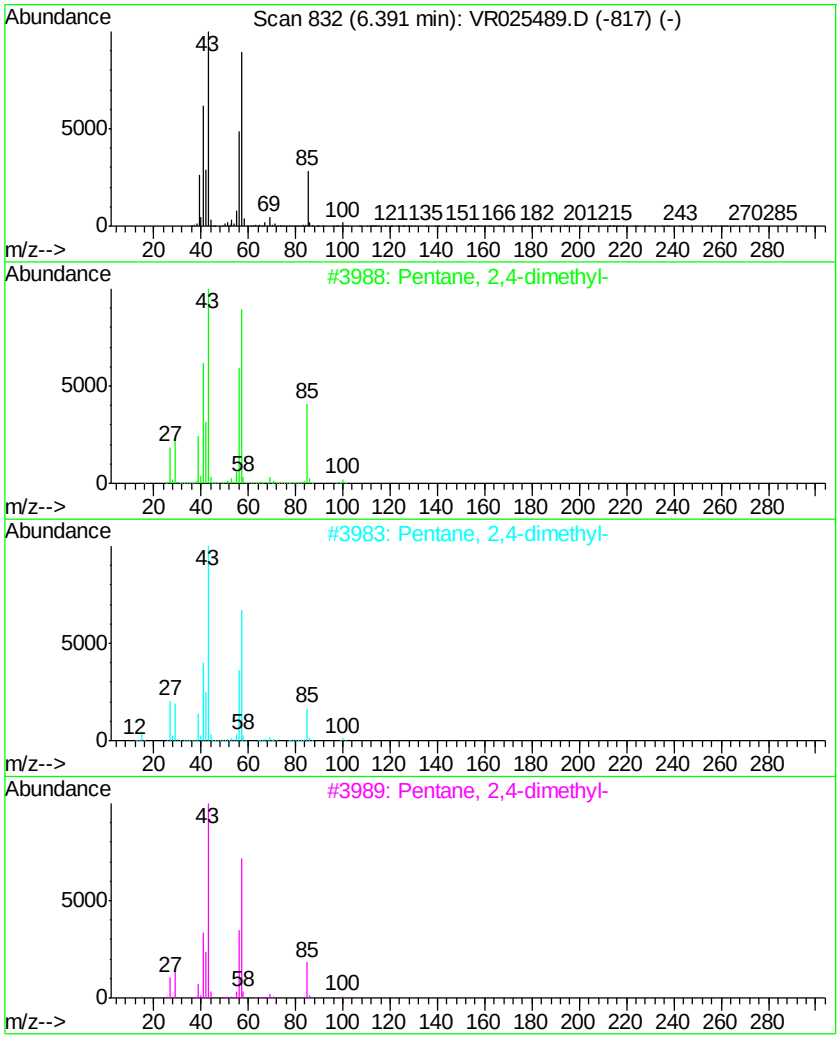
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

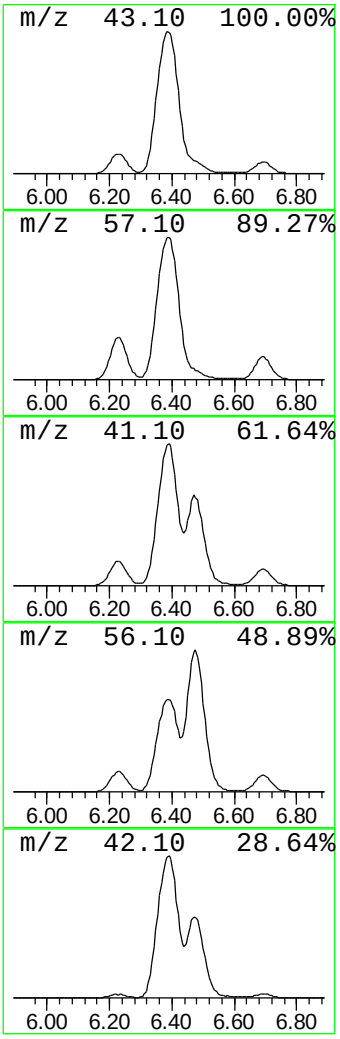
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	10.64 ug/L	32187500	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	94
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	80
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	72
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

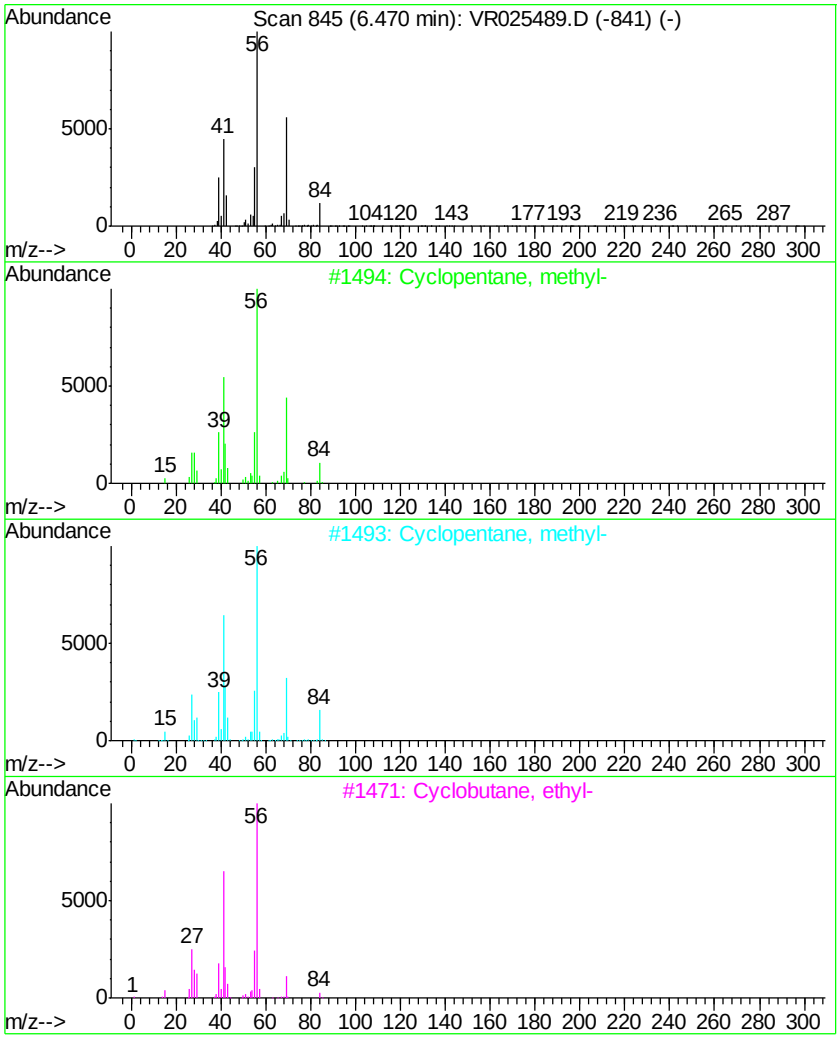
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

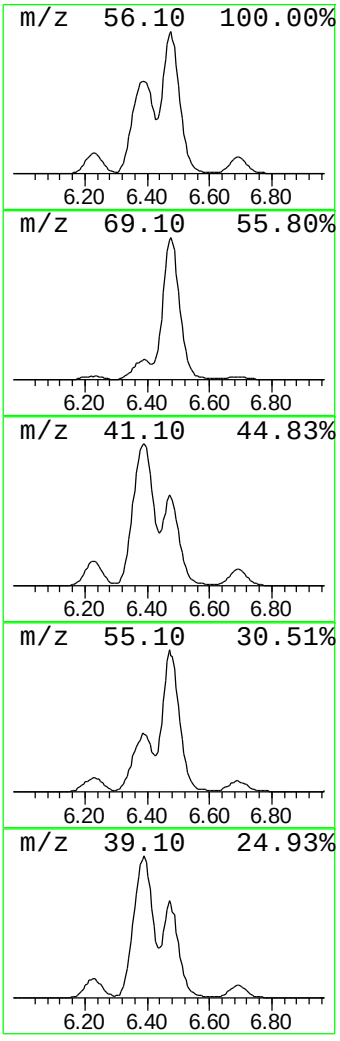
****

Peak Number 6 (DEL) Alkane: Cyclic6.47 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	4.56 ug/L	13780400	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

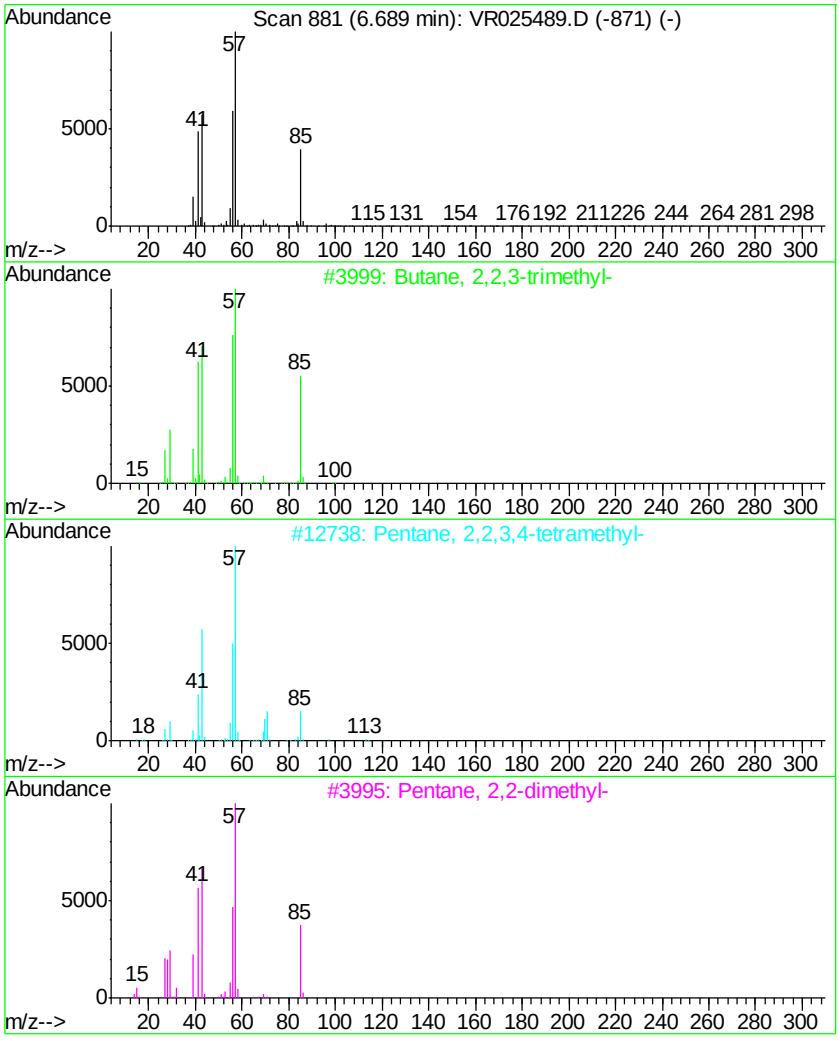
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

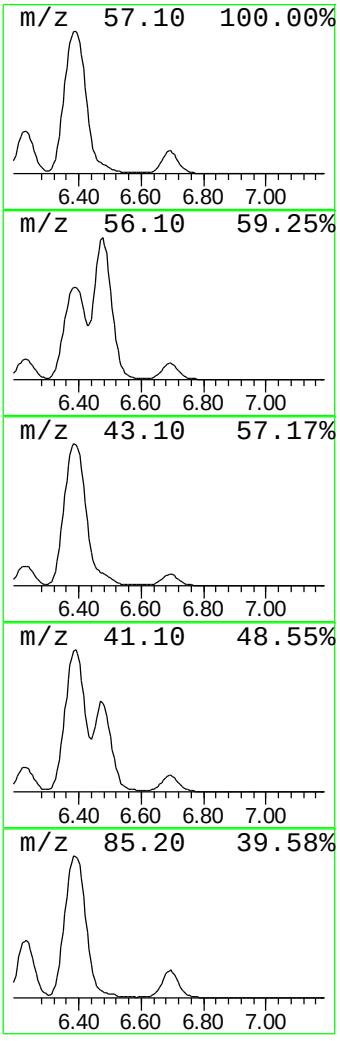
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	1.11 ug/L	3362920	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	90
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	83
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	74
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

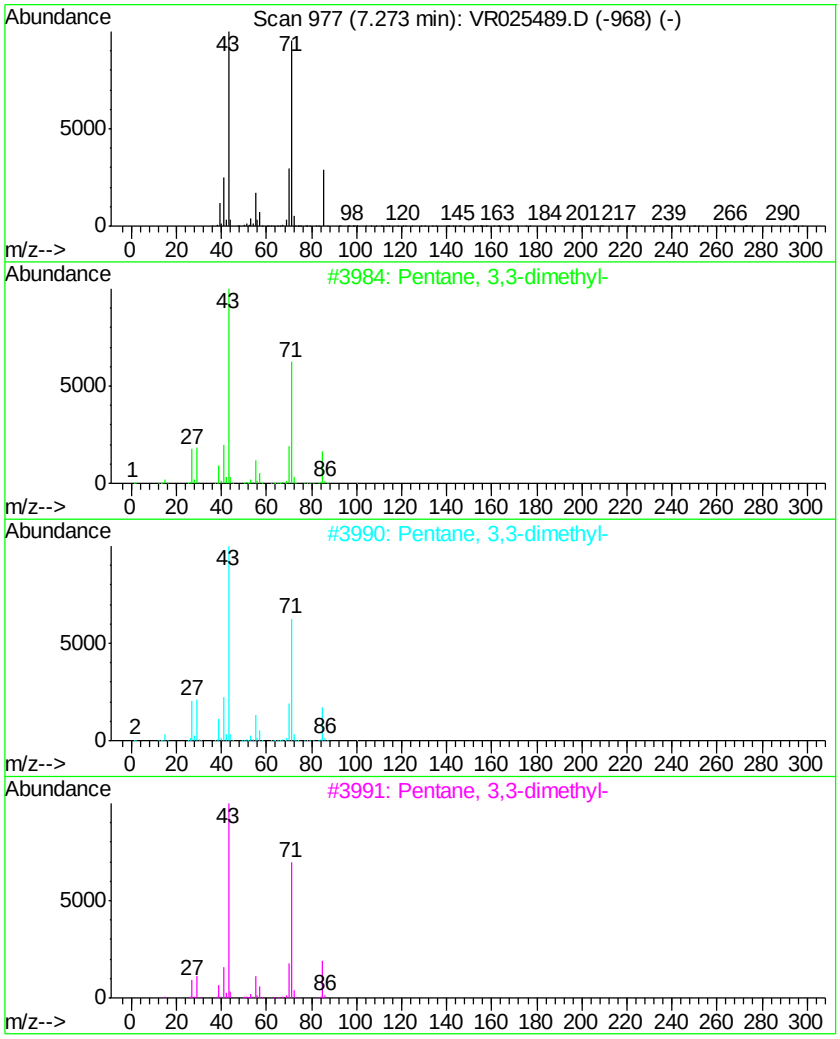
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

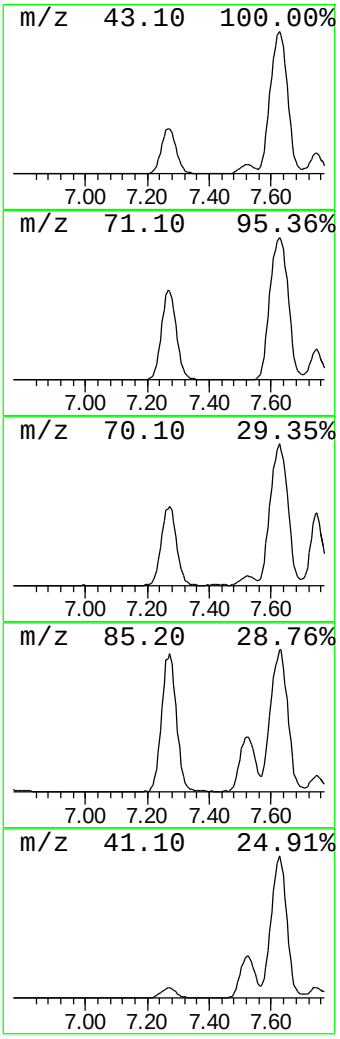
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	2.39 ug/L	7233890	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
2	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
3	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	72
4	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	64
5	Butane, 2-iodo-3-methyl-	198	C5H11I	018295-27-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

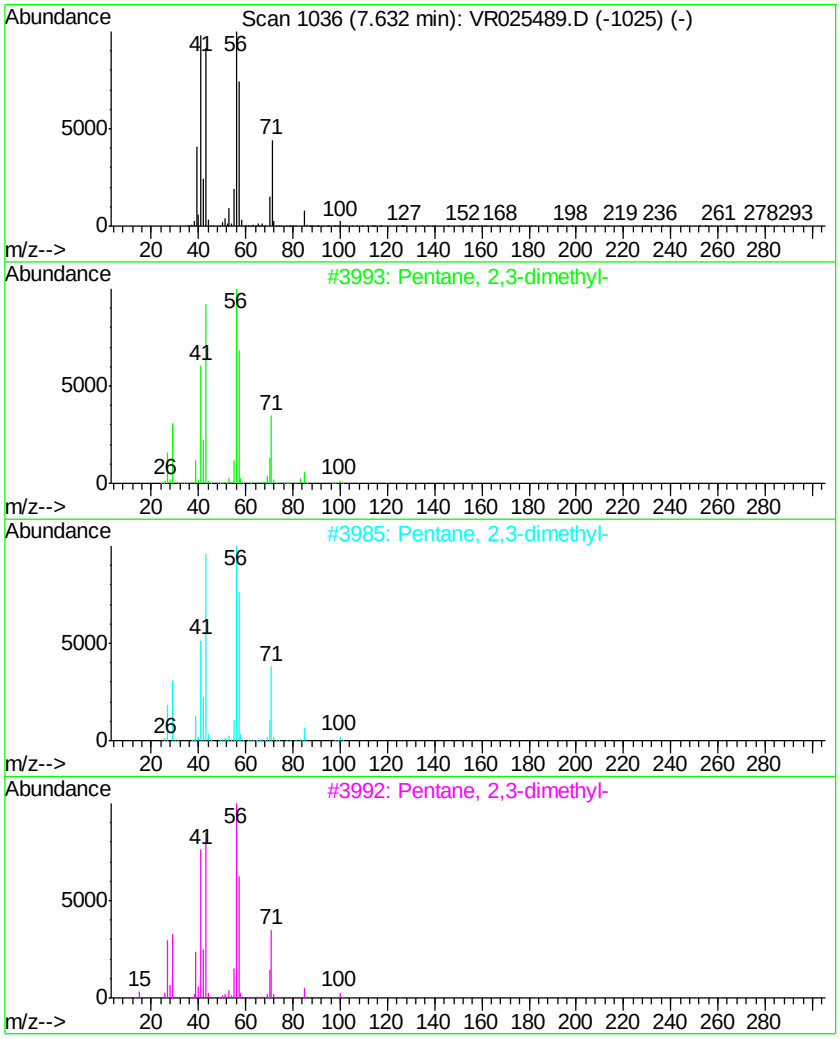
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

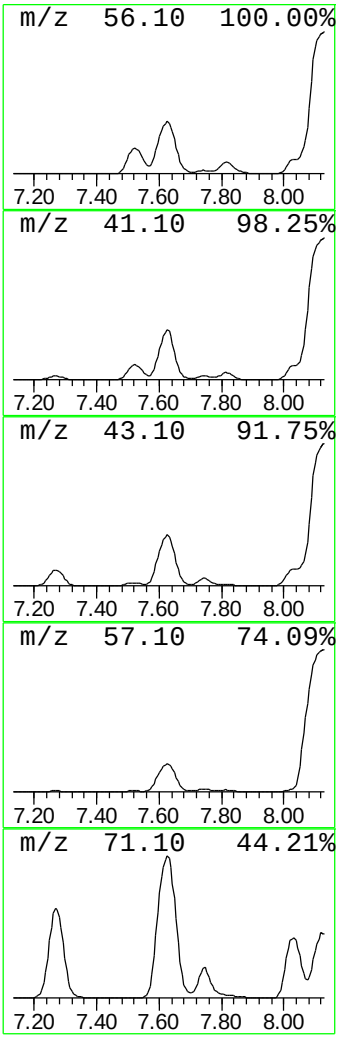
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	15.40 ug/L	46585000	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	81
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	81
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	81
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	74
5	2-Heptene	98	C7H14	000592-77-8	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

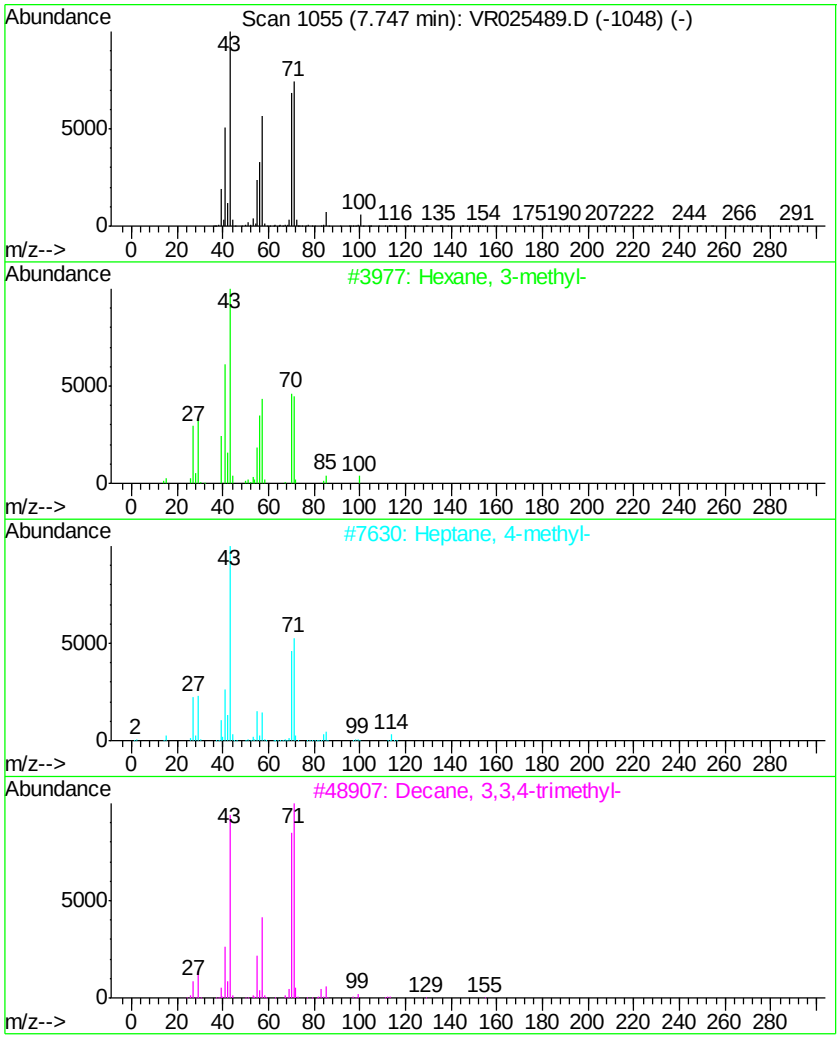
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

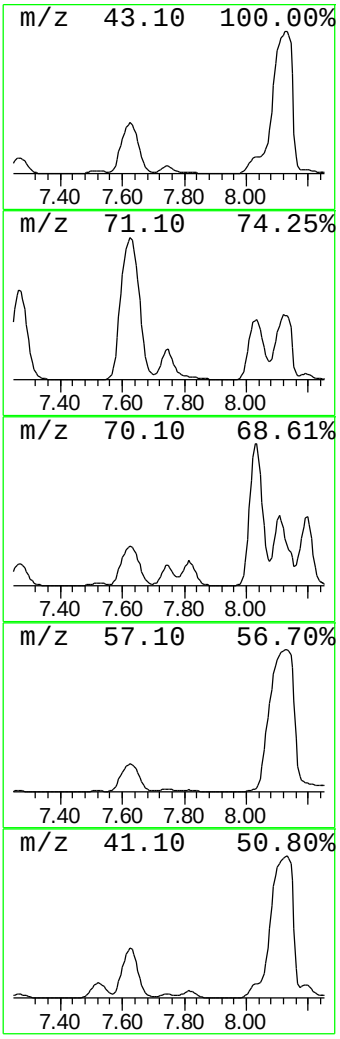
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	1.01 ug/L	3046020	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	72
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	72
4	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	72
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

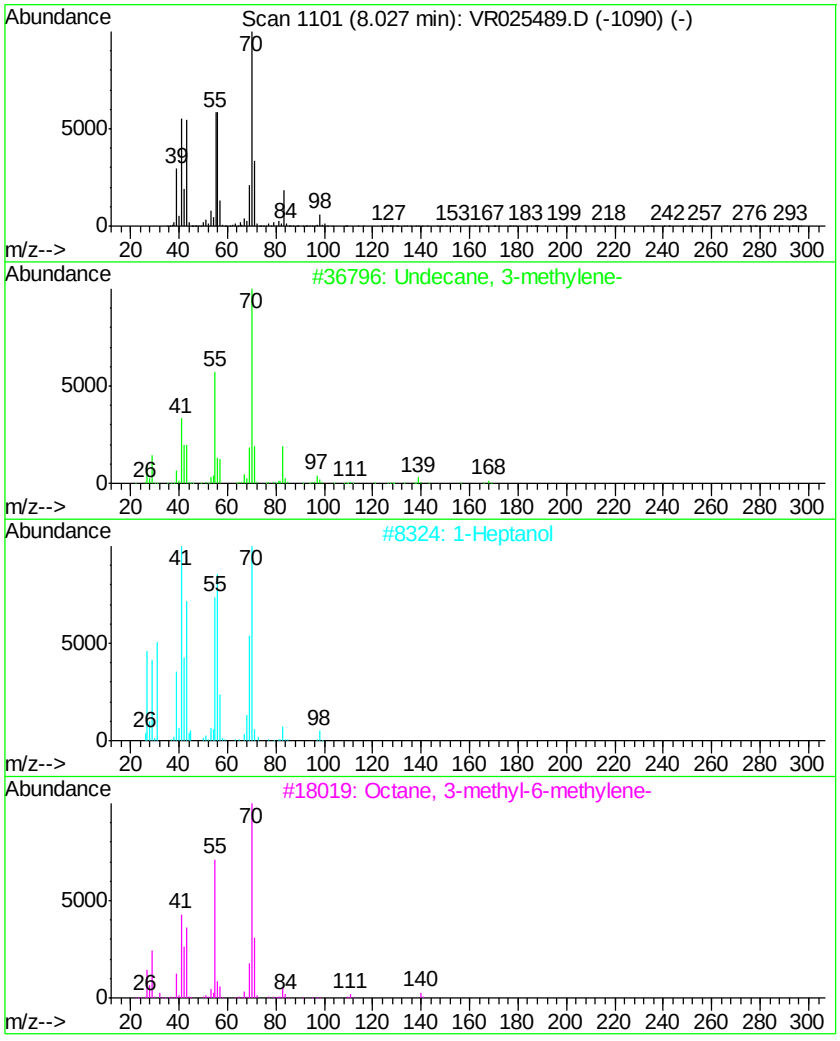
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

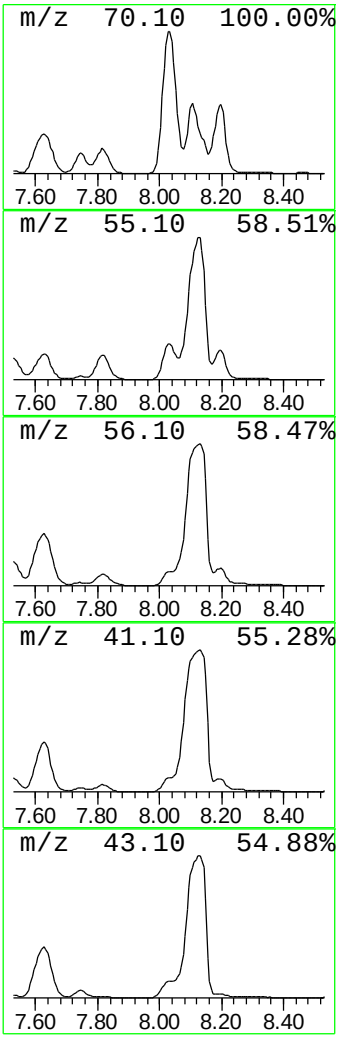
****

Peak Number 11 (DEL) Alkane: Cyclic8.03 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	4.88 ug/L	14751400	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methylene-	168	C12H24	071138-64-2	59
2	1-Heptanol	116	C7H16O	000111-70-6	56
3	Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	53
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	52
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

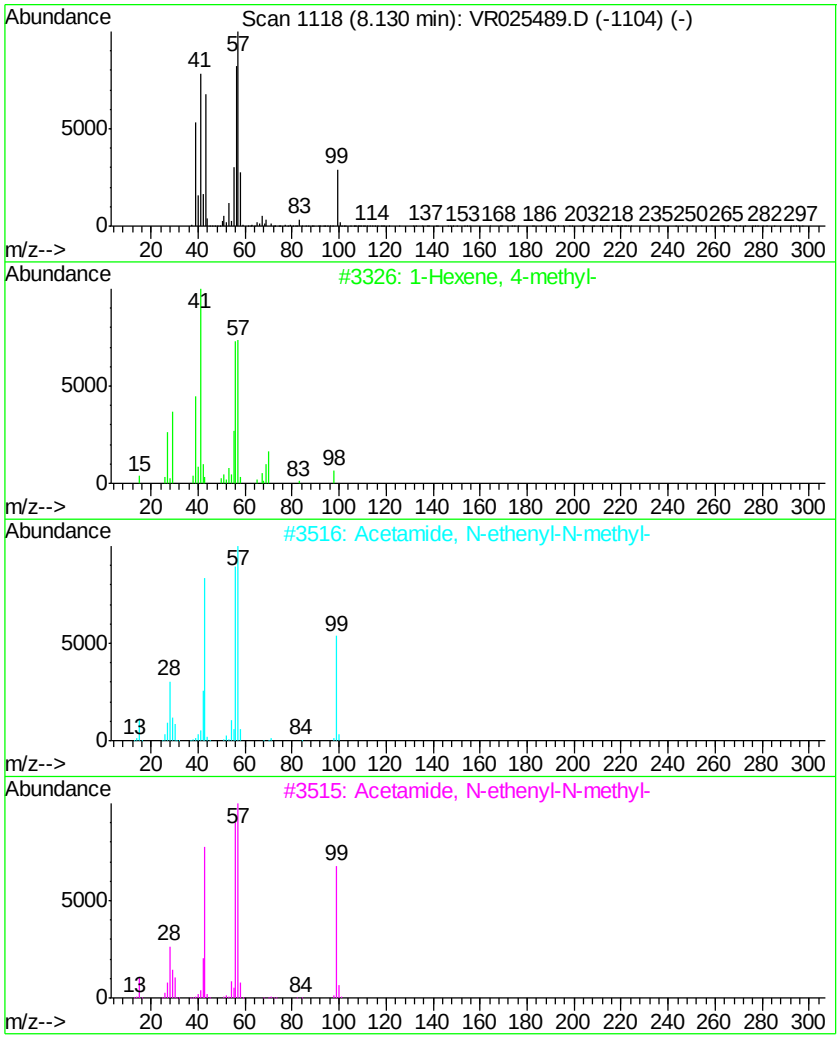
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

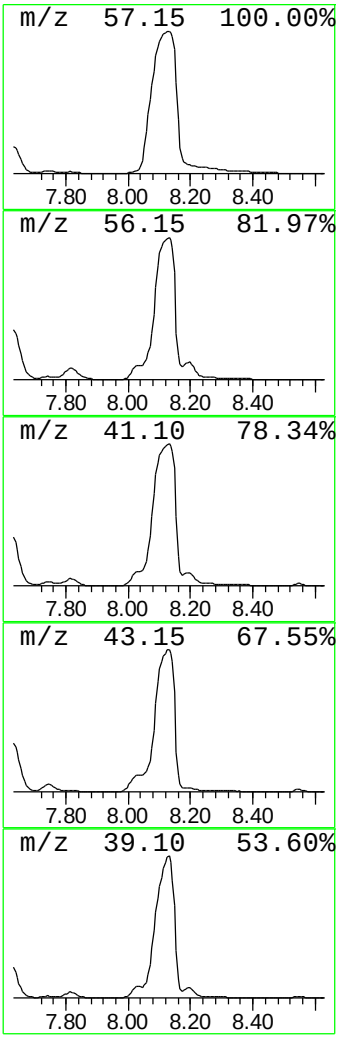
****

Peak Number 12 (DEL) Alkane: Cyclic8.13 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	65.48 ug/L	198016000	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	50
2	Acetamide, N-ethenyl-N-methyl-	99	C5H9NO	003195-78-6	47
3	Acetamide, N-ethenyl-N-methyl-	99	C5H9NO	003195-78-6	47
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	43
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

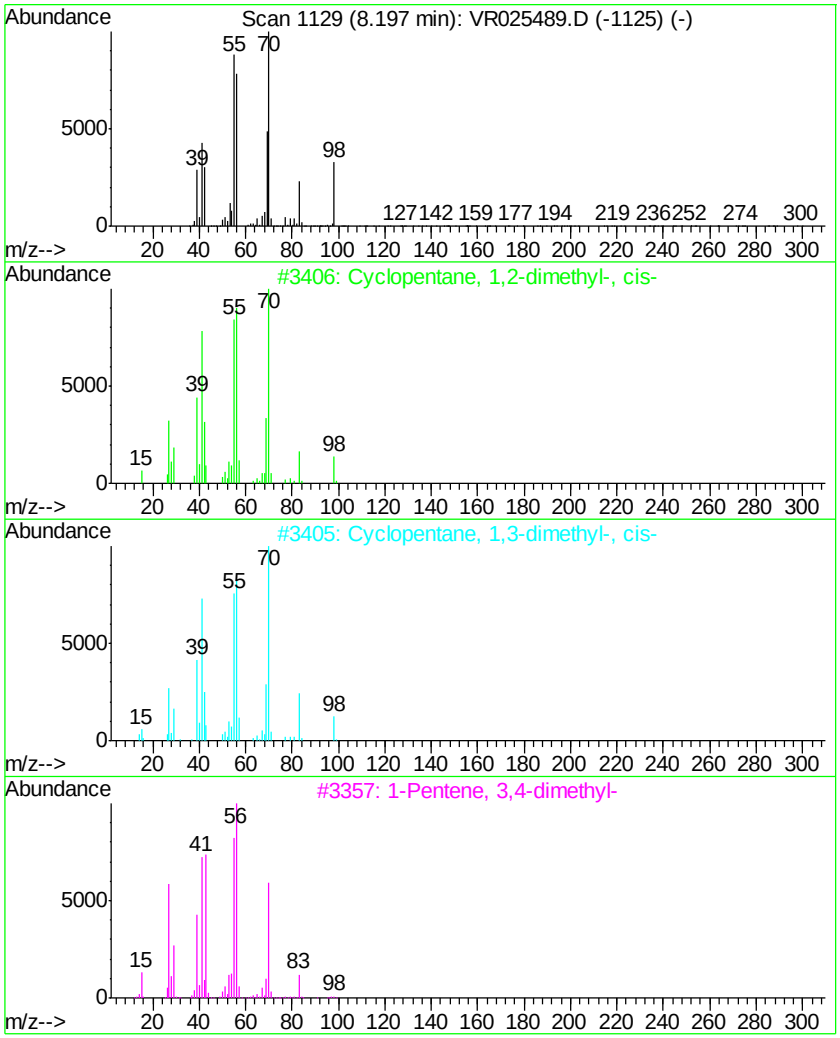
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

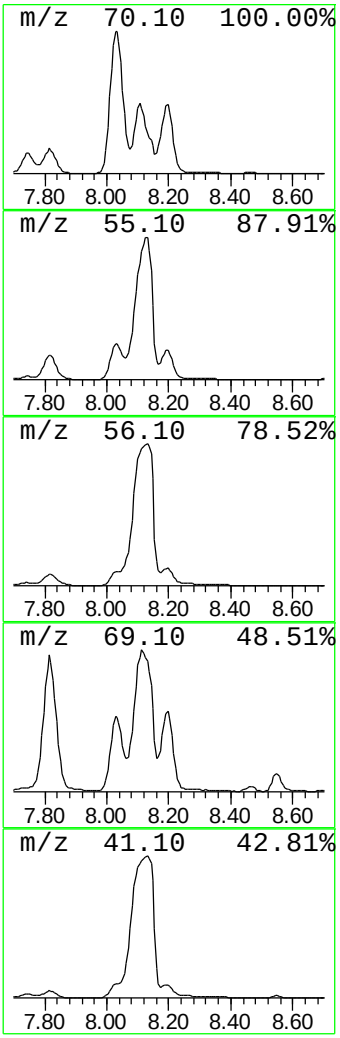
****

Peak Number 13 (DEL) Alkane: Cyclic8.20 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	5.00 ug/L	15121100	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	78
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	78
3	1-Pentene, 3,4-dimethyl-	98	C7H14	007385-78-6	64
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

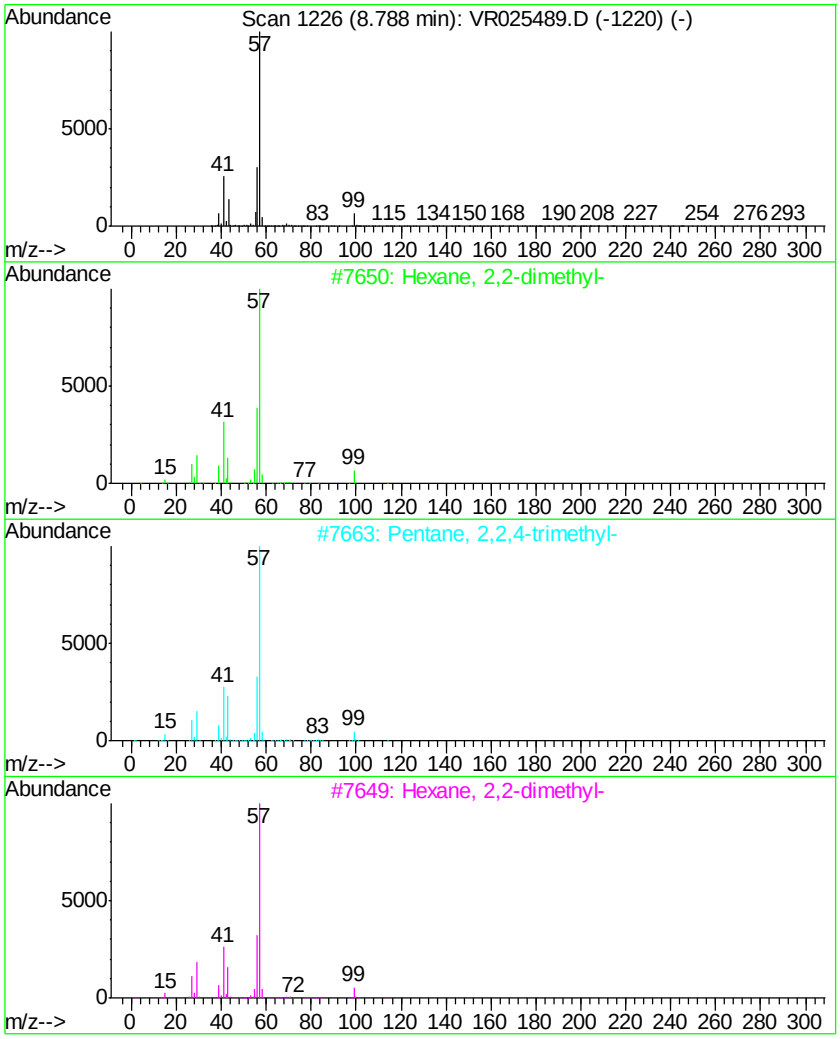
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

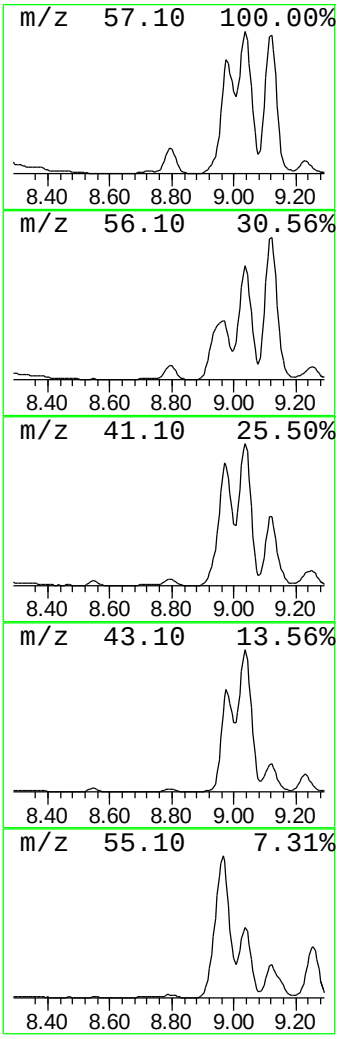
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	0.96 ug/L	2888170	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

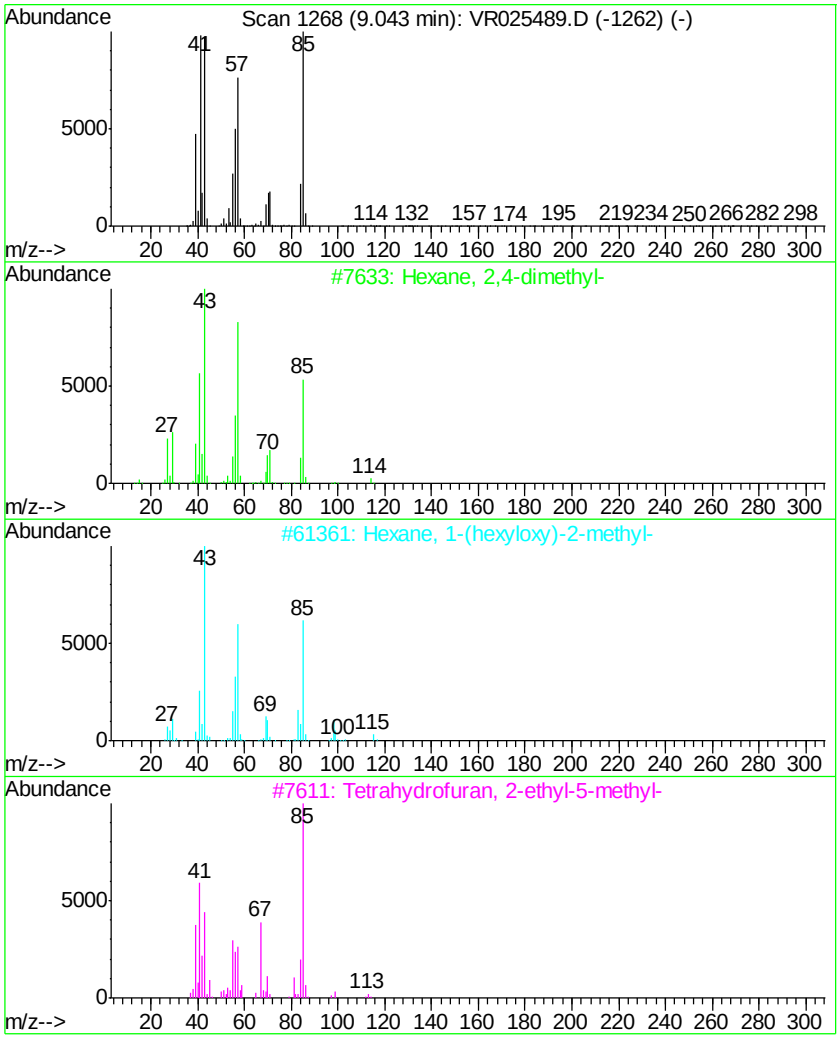
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

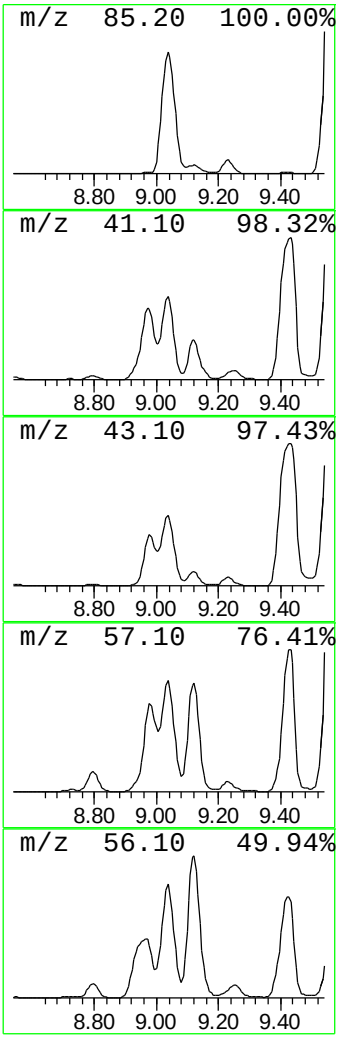
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	17.35 ug/L	52468500	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
2	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	50
3	Tetrahydrofuran, 2-ethyl-5-methyl-	114	C7H14O	000931-39-5	47
4	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	43
5	Pentane, 3-ethyl-3-methyl-	114	C8H18	001067-08-9	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

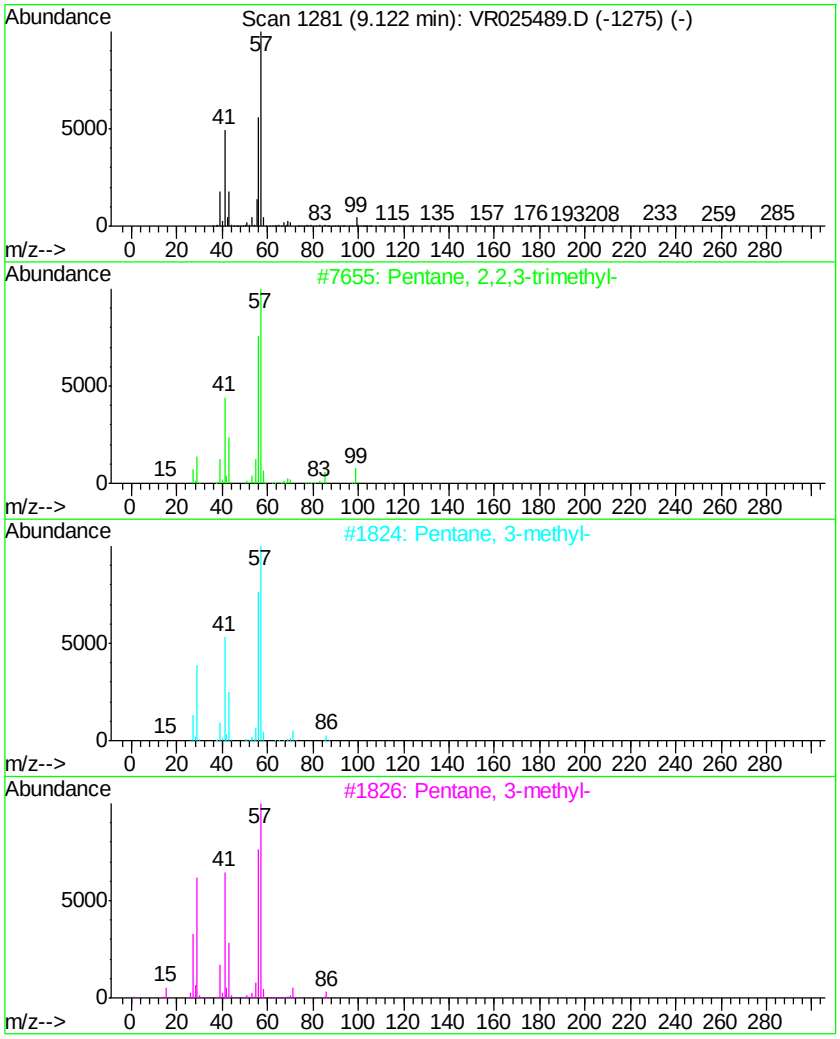
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

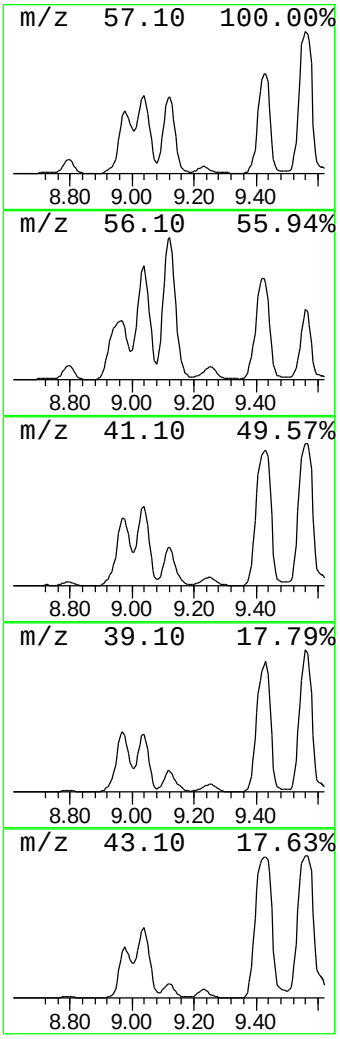
****

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	8.10 ug/L	24487600	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	83
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	78
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	78
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	74
5	Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

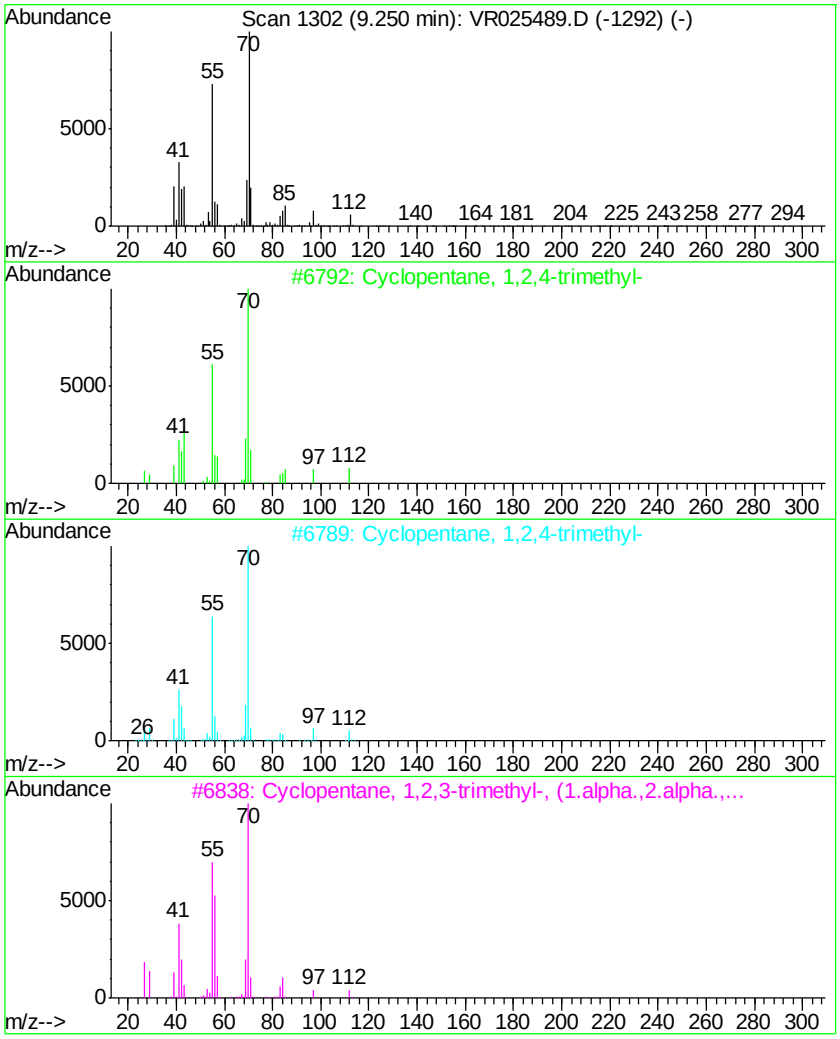
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

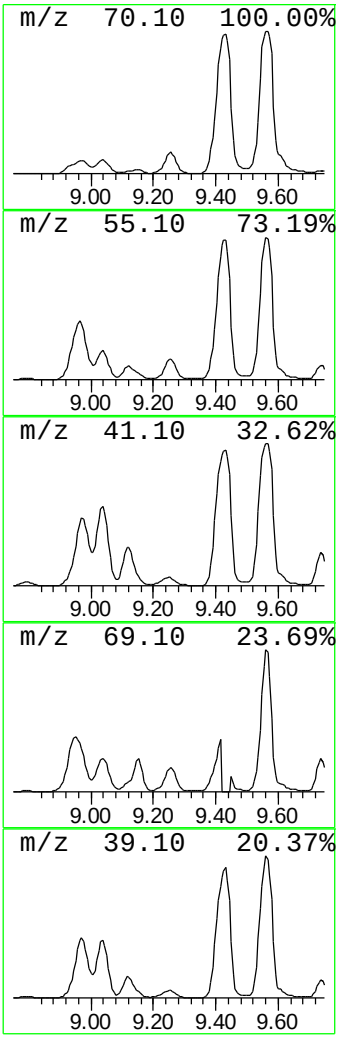
****

Peak Number 17 (DEL) Alkane: Cyclic9.25 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	4.06 ug/L	12285200	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	74
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	72
5	Undecane, 3-methylene-	168	C12H24	071138-64-2	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

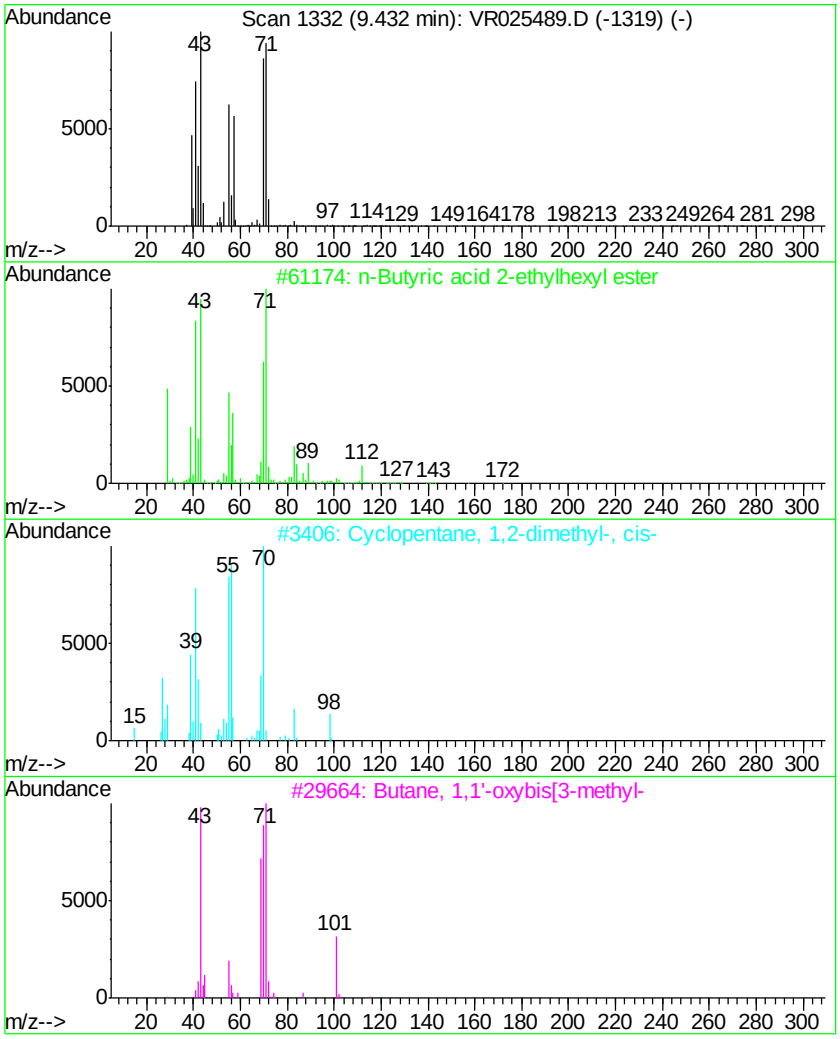
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

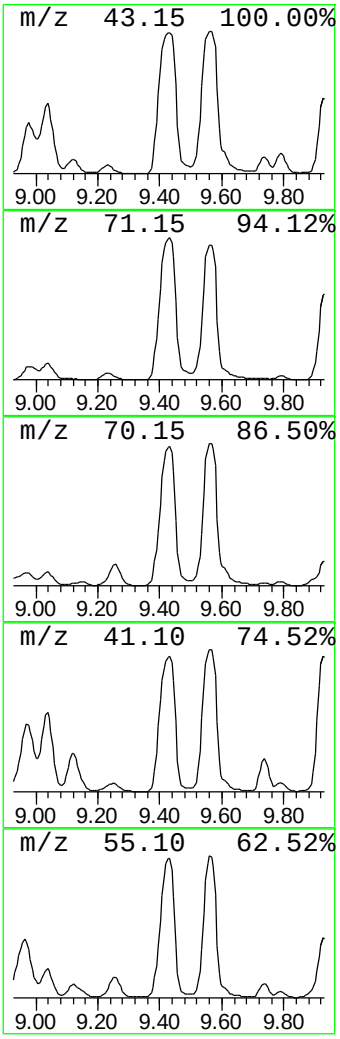
****

Peak Number 18 n-Butyric acid 2-ethylhexyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	49.22 ug/L	148843000	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Butyric acid 2-ethylhexyl ester	200	C12H24O2	025415-84-3	53
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	47
3	Butane, 1,1'-oxybis[3-methyl-	158	C10H22O	000544-01-4	42
4	Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	42
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

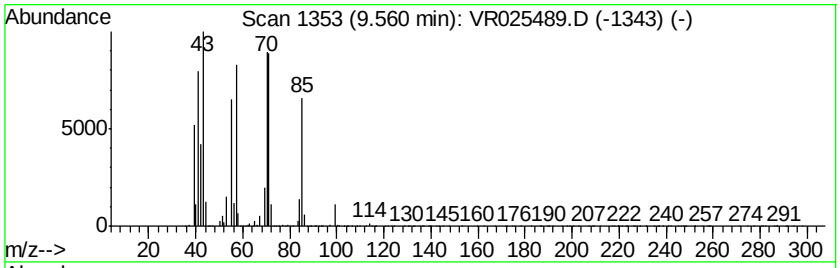
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

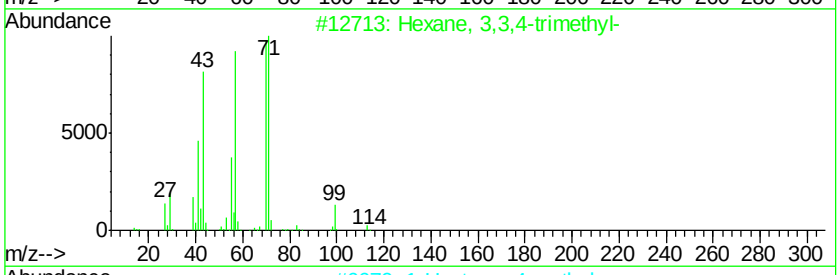
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

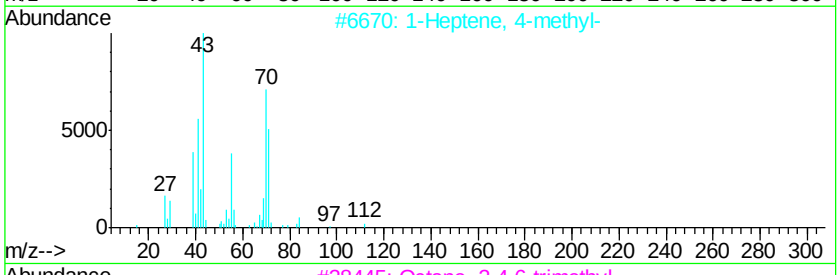
****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 2

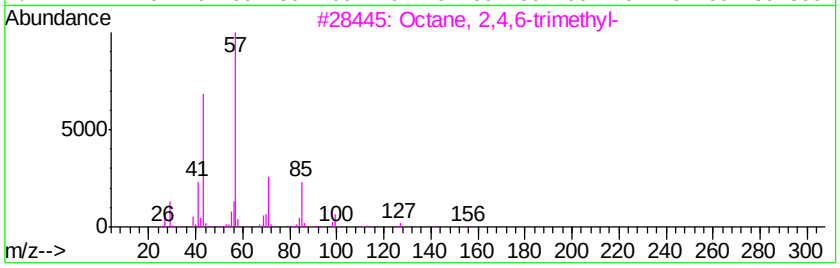
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	53.35 ug/L	161343000	1,4-Difluorobenzene	8.46

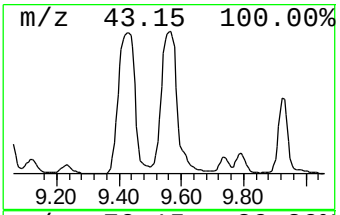
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	47
2	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	43
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	43
4	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	38
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	38

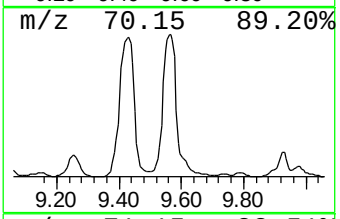


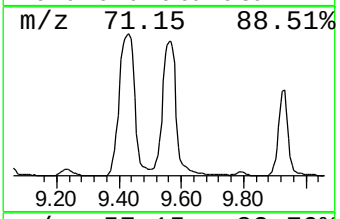


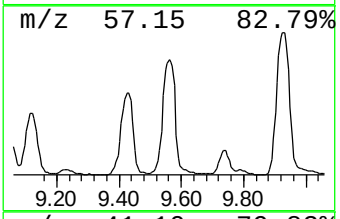


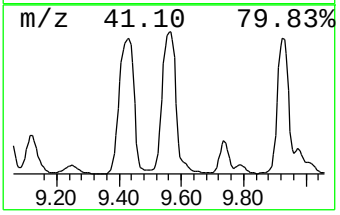












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

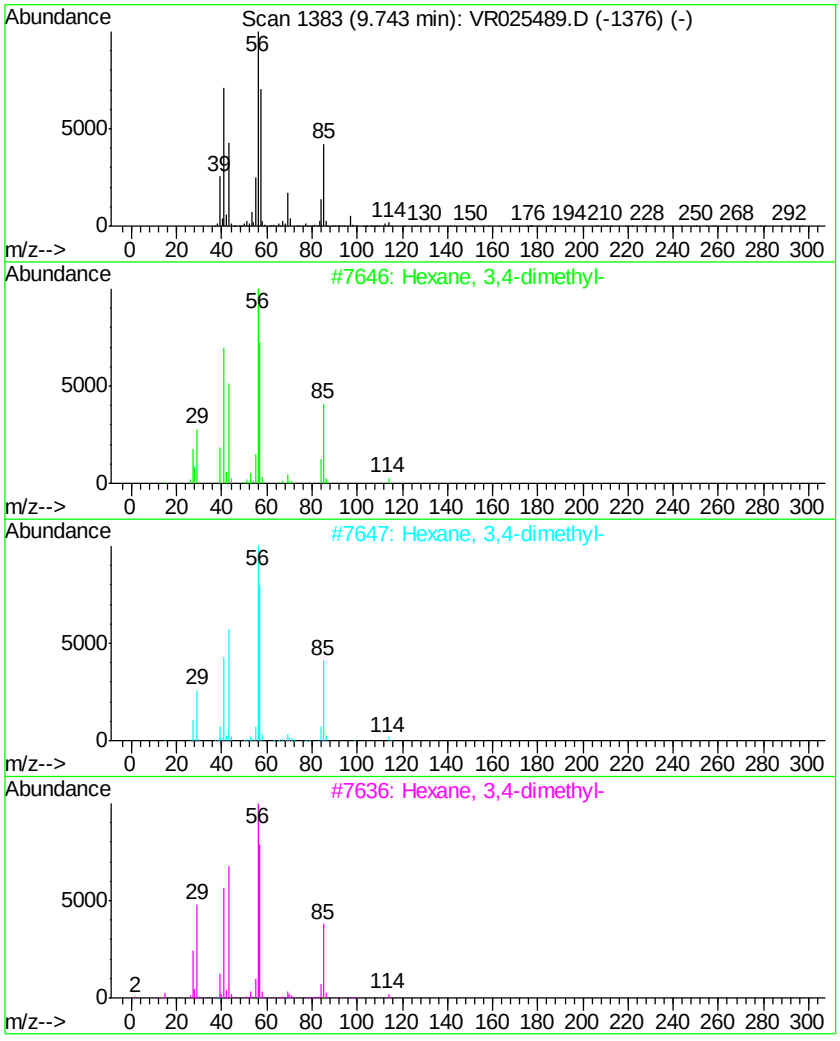
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

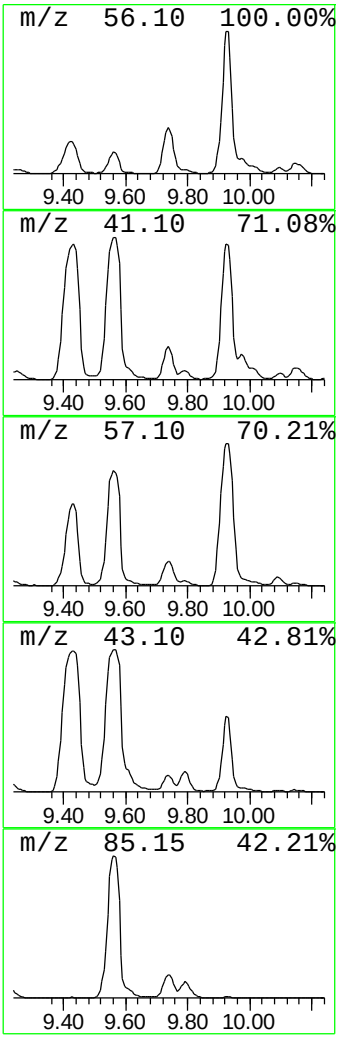
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	5.50 ug/L	16634400	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	87
2	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	80
3	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	56
4	Butane, 1-(ethenyloxy)-	100	C6H12O	000111-34-2	50
5	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

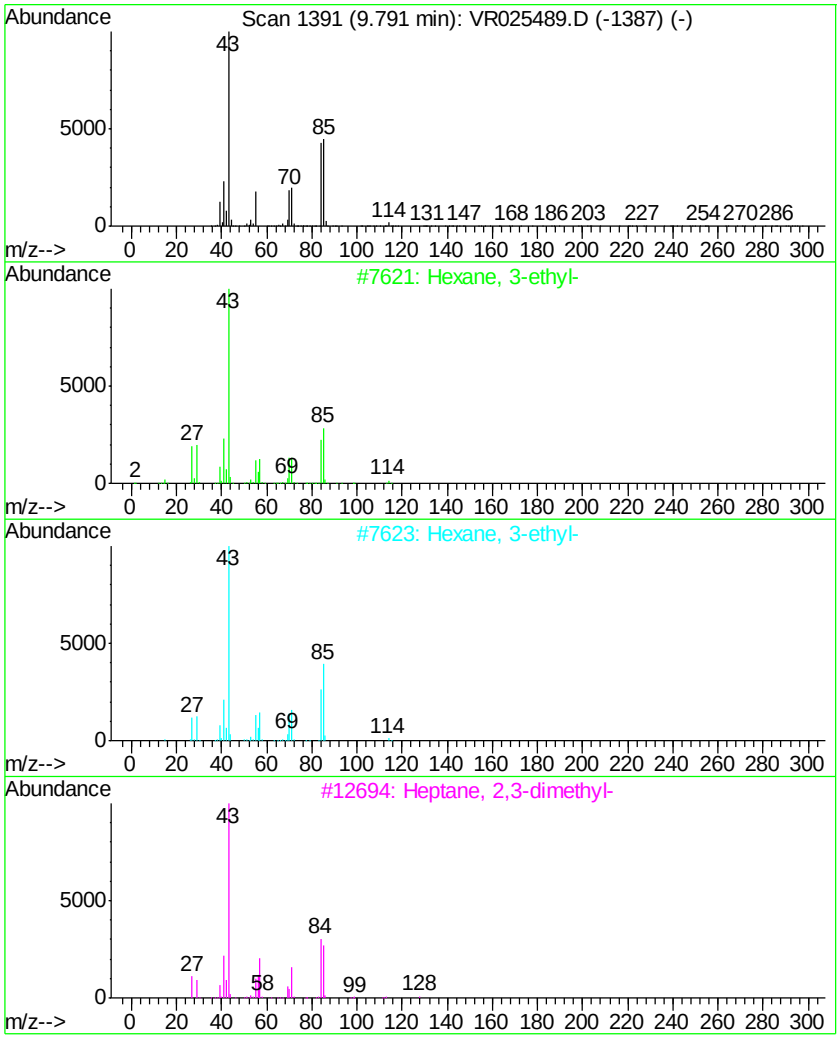
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

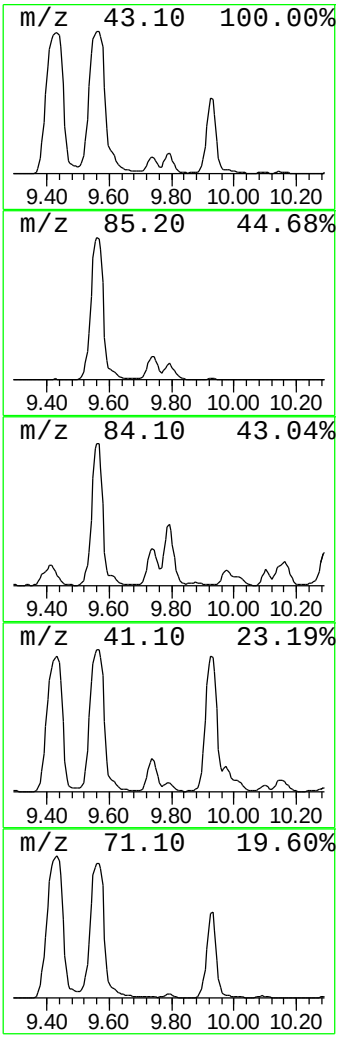
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	2.48 ug/L	7512190	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	91
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	87
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	78
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

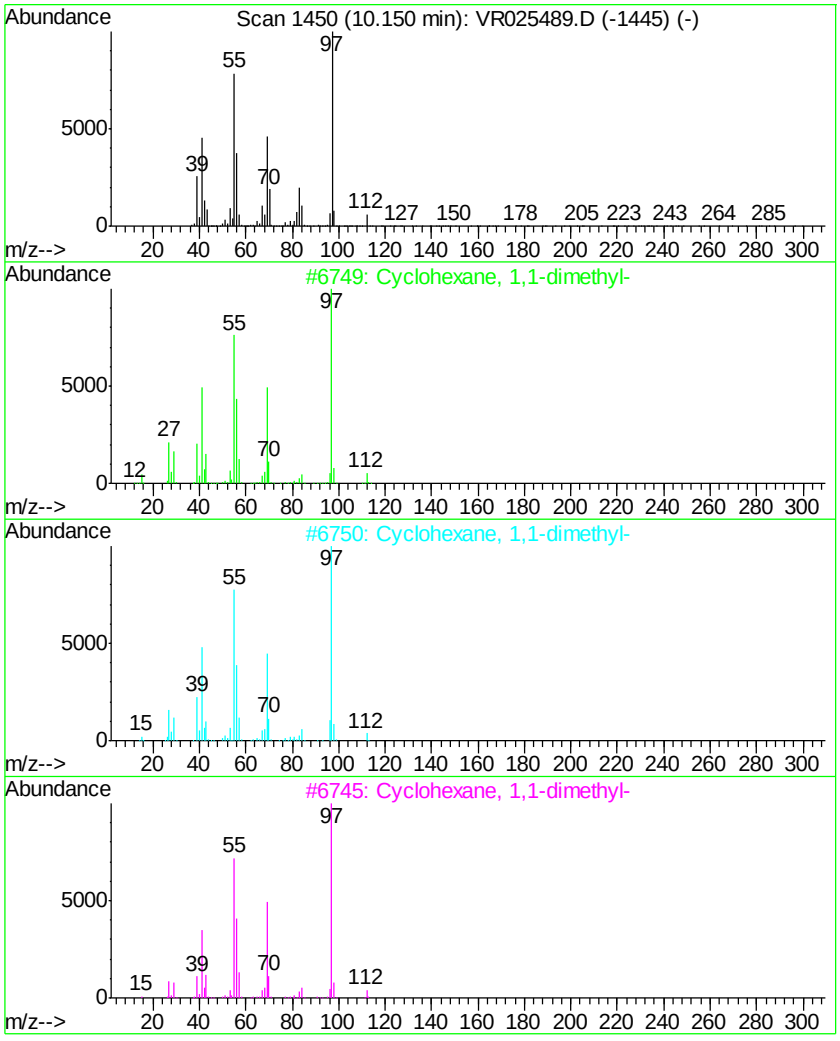
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

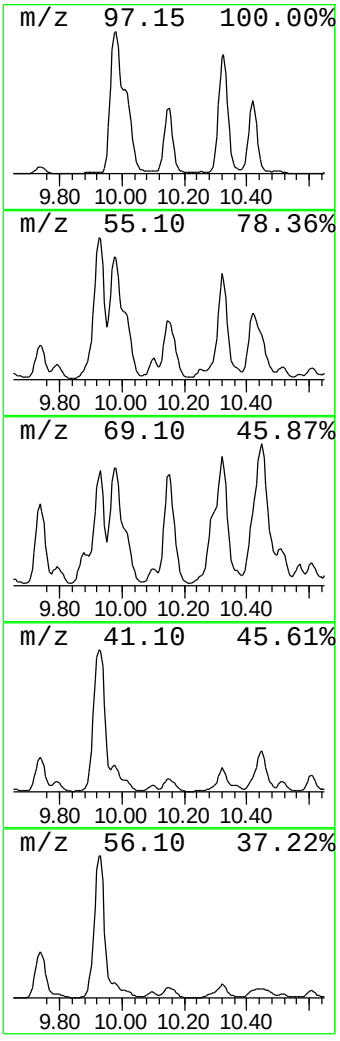
****

Peak Number 22 (DEL) Alkane: Cyclic10.15 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	2.79 ug/L	12722500	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	87
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	87
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	80
4	Cycloheptane, methyl-	112	C8H16	004126-78-7	64
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

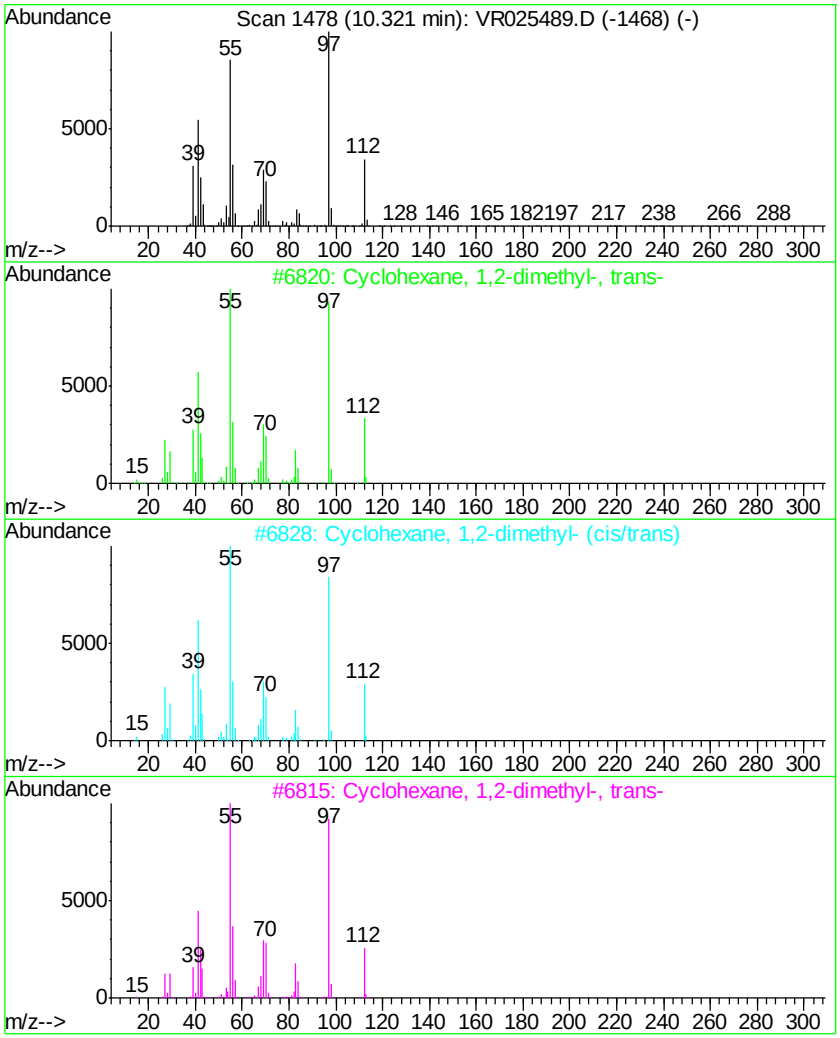
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

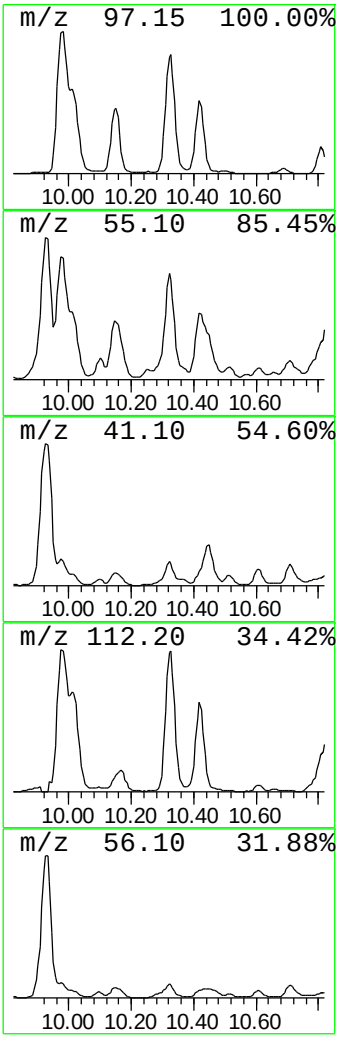
****

Peak Number 23 (DEL) Alkane: Cyclic10.32 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	4.00 ug/L	18249600	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	89
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

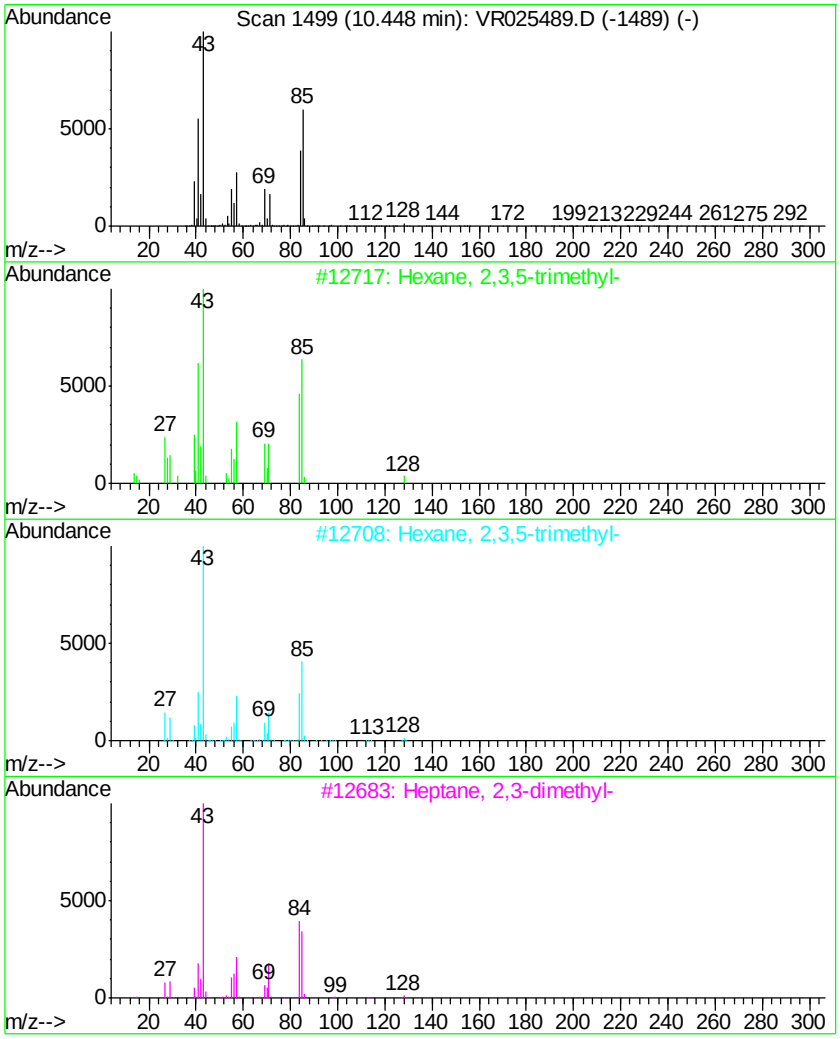
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

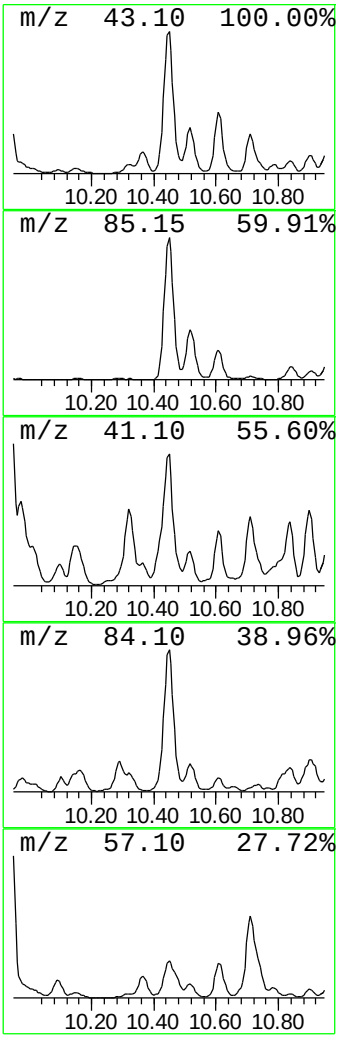
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	6.55 ug/L	29837800	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	90
2	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	87
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	80
4	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	78
5	Nonane, 5-methyl-	142	C10H22	015869-85-9	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

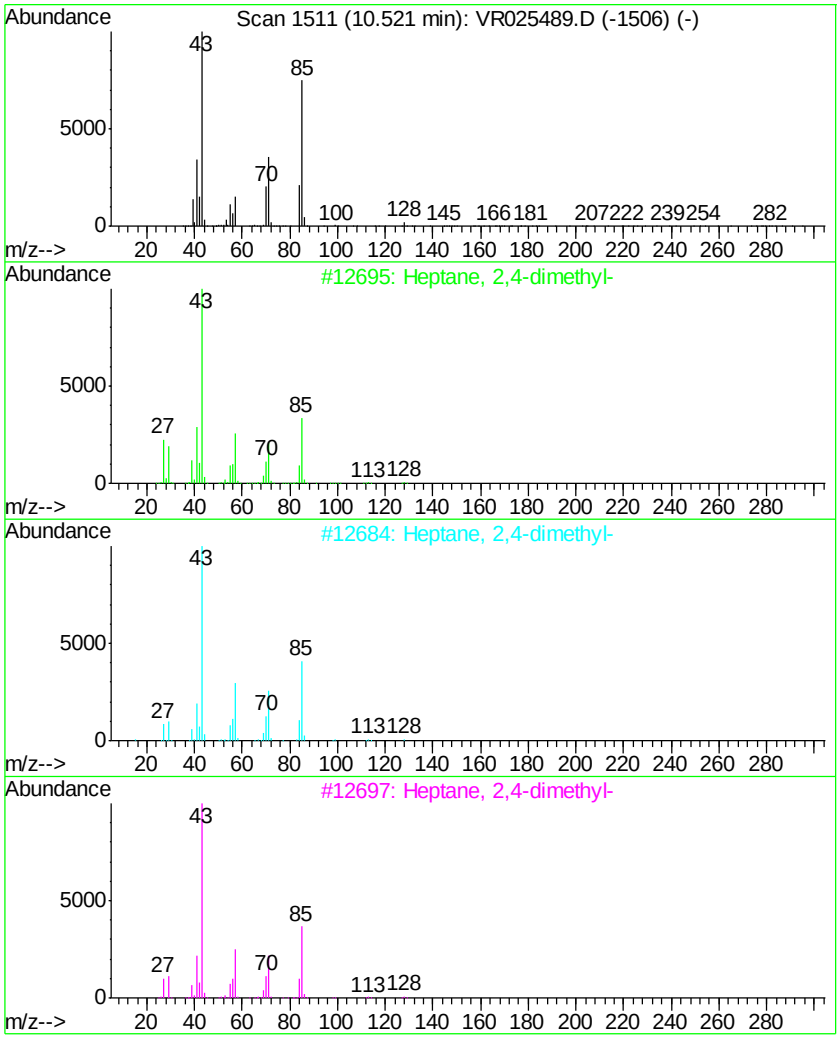
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

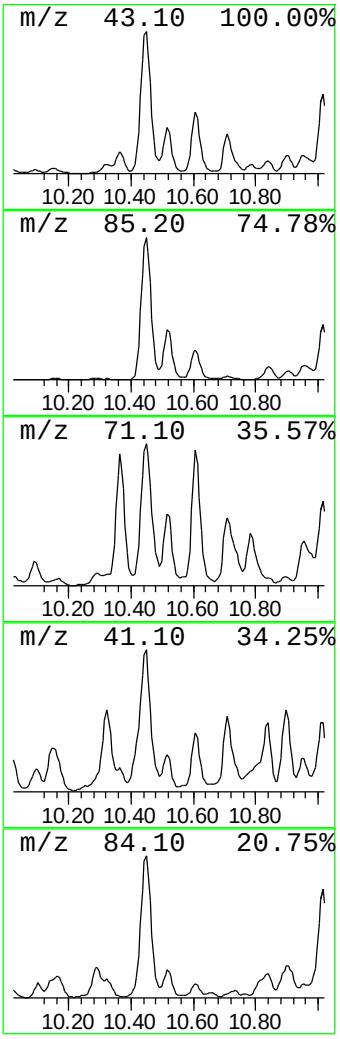
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	1.35 ug/L	6166240	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
4	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	59
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

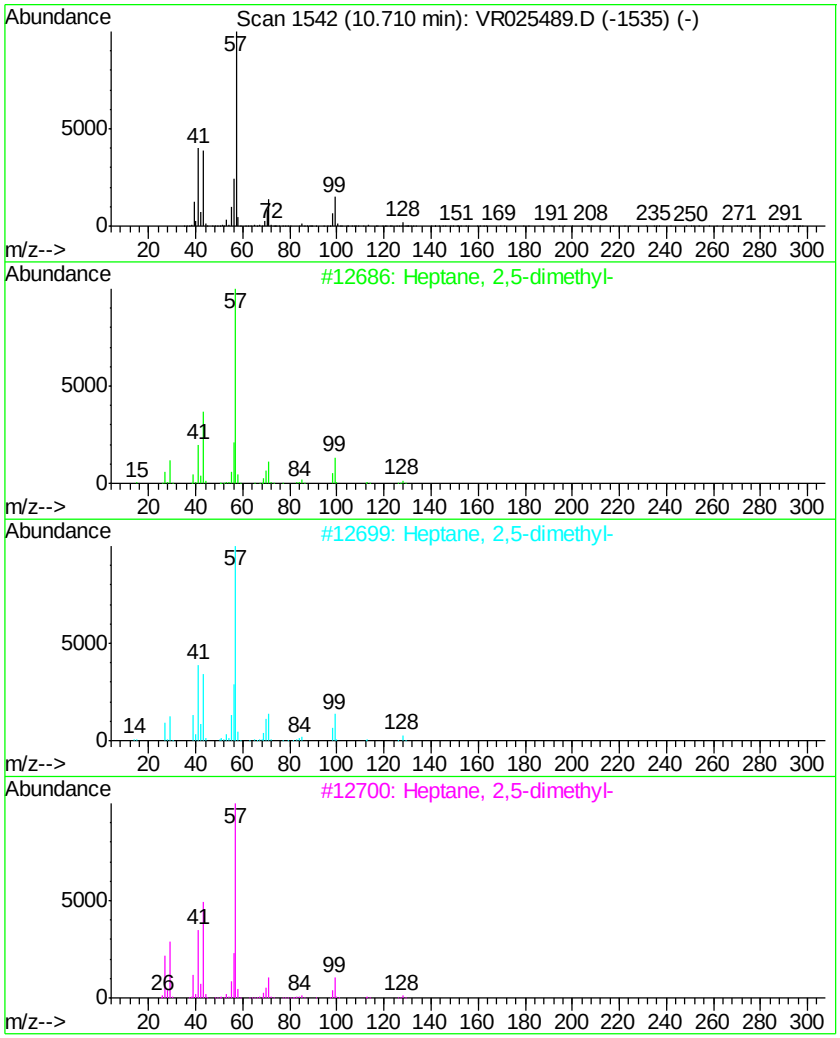
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

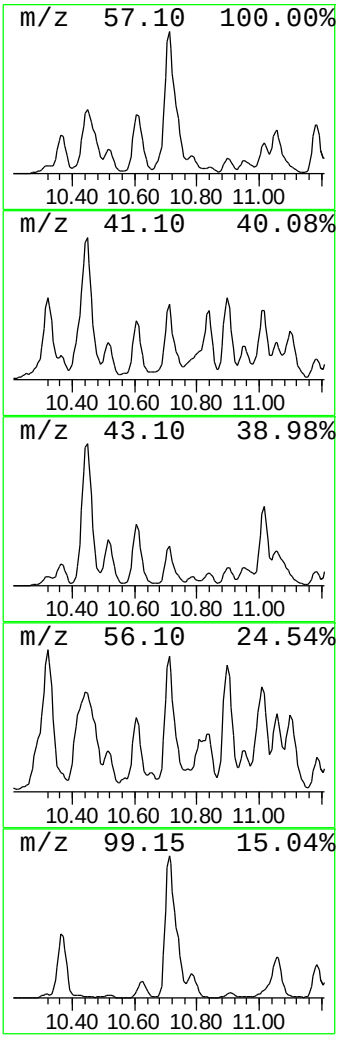
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	2.64 ug/L	12022000	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
4	Octane, 3-methyl-	128	C9H20	002216-33-3	90
5	Octane, 3-methyl-	128	C9H20	002216-33-3	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

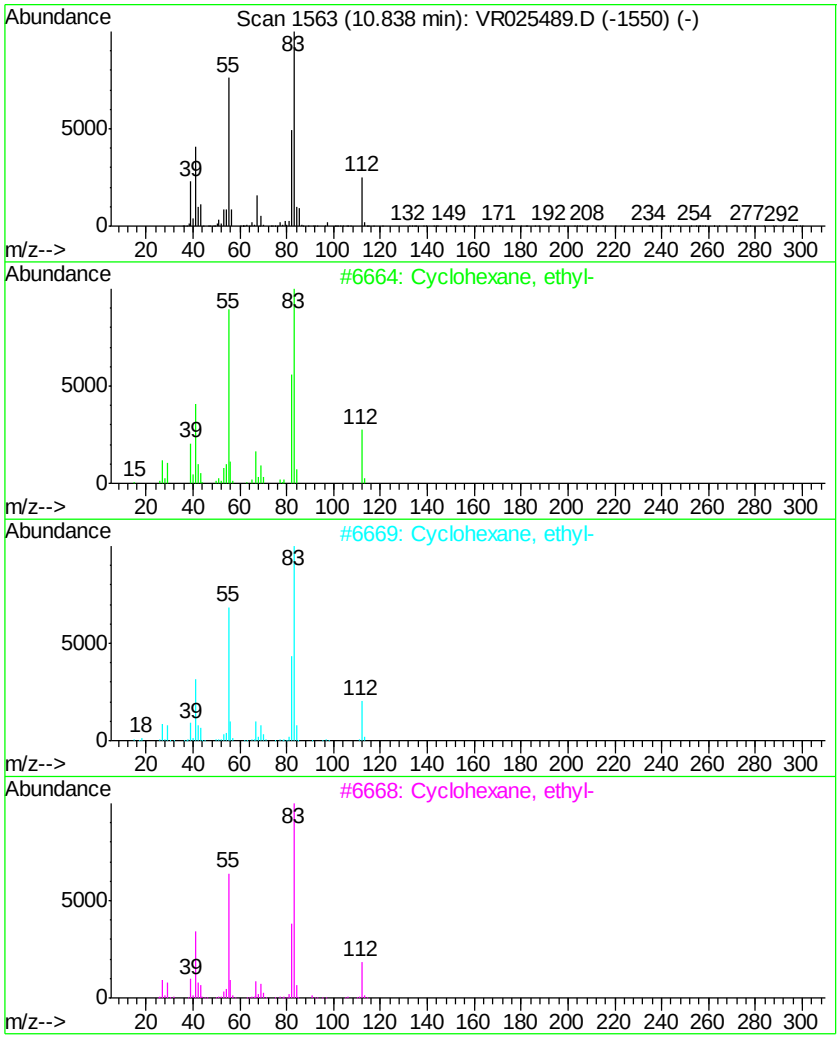
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

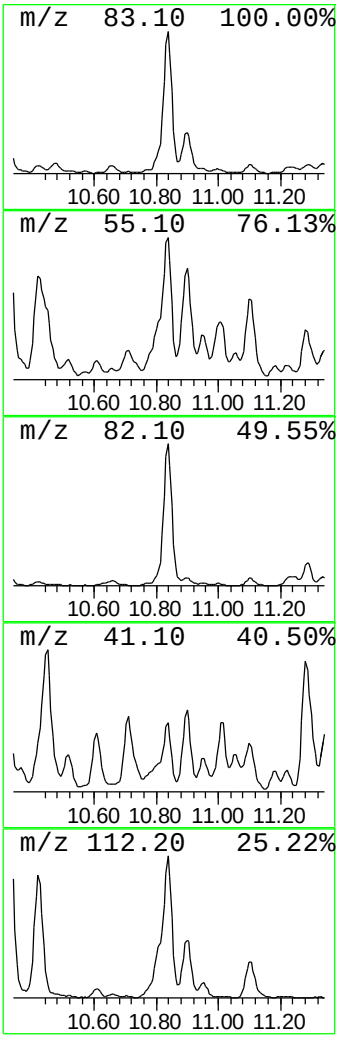
****

Peak Number 27 (DEL) Alkane: Cyclic10.84 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	3.19 ug/L	14522600	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	93
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

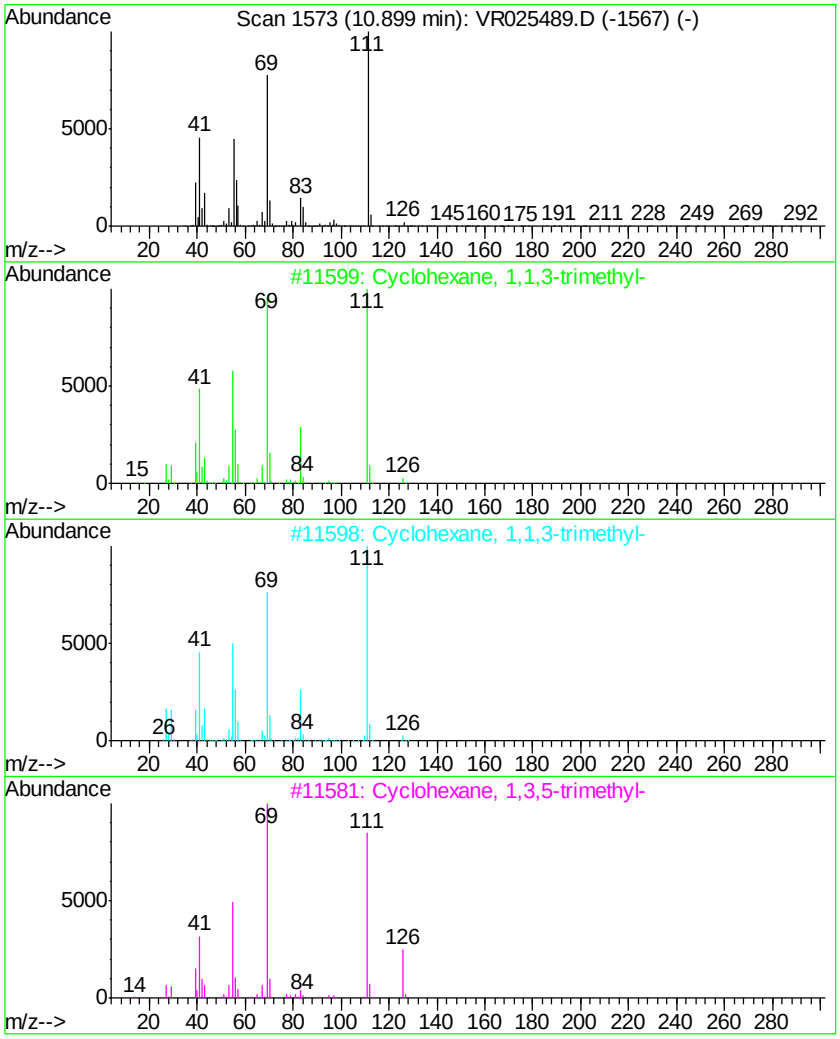
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

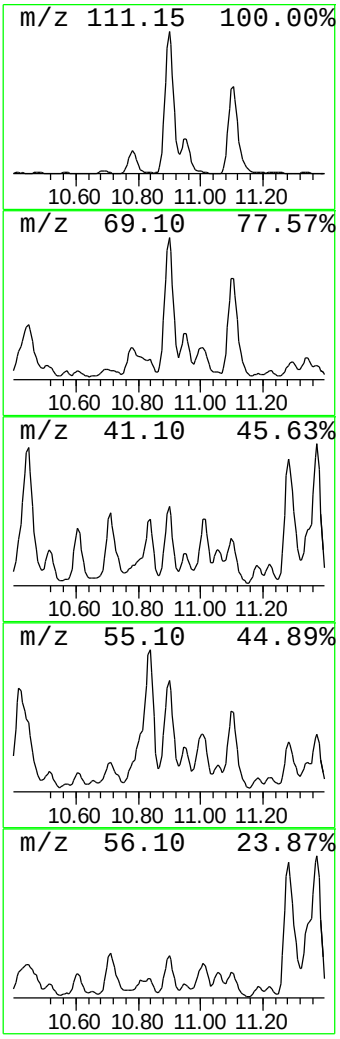
****

Peak Number 28 (DEL) Alkane: Cyclic10.90 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	3.15 ug/L	14369500	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

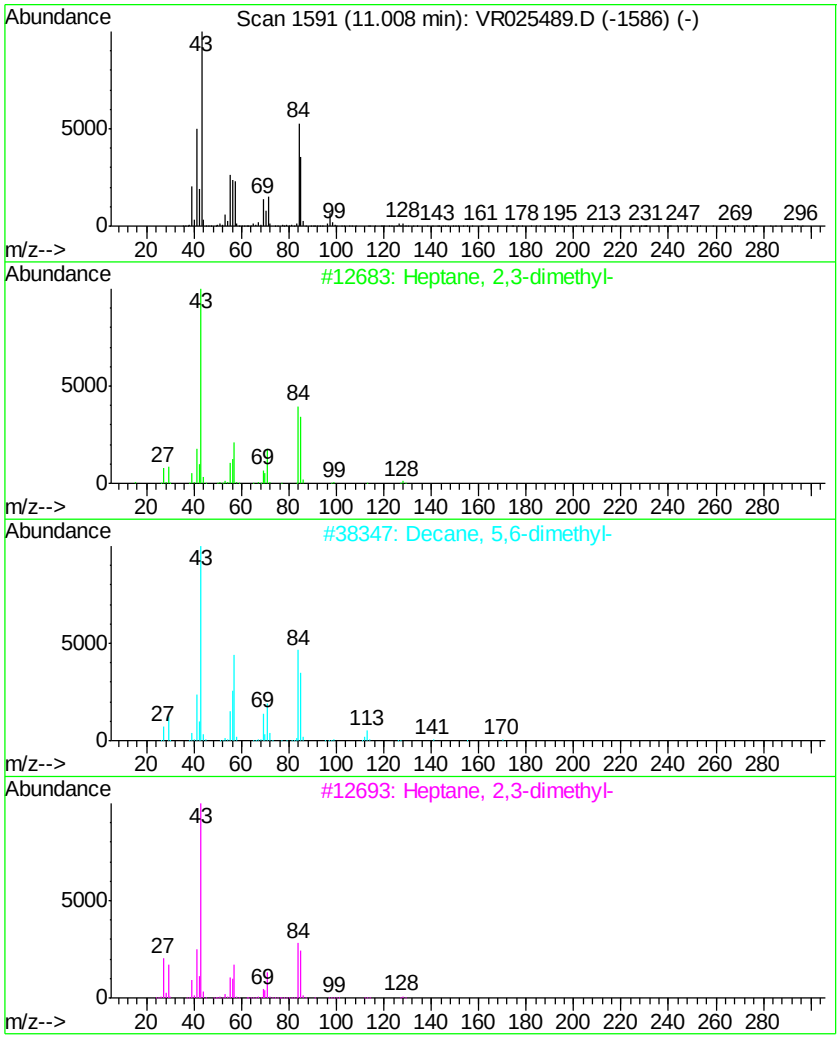
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

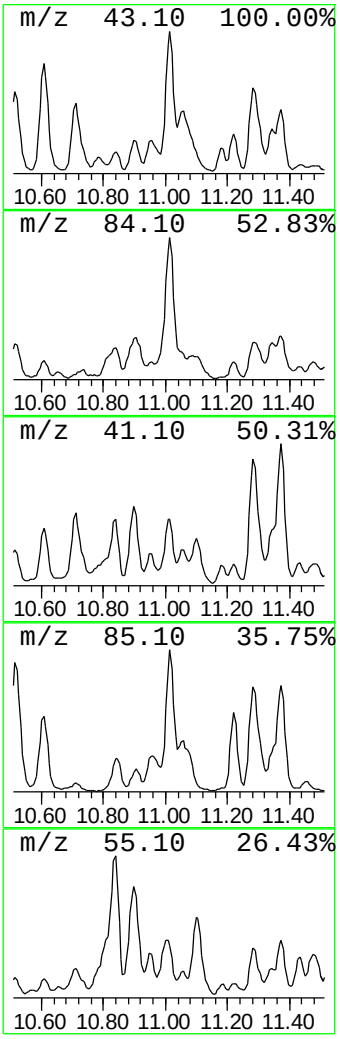
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	1.96 ug/L	8920360	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	87
2	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	83
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	74
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

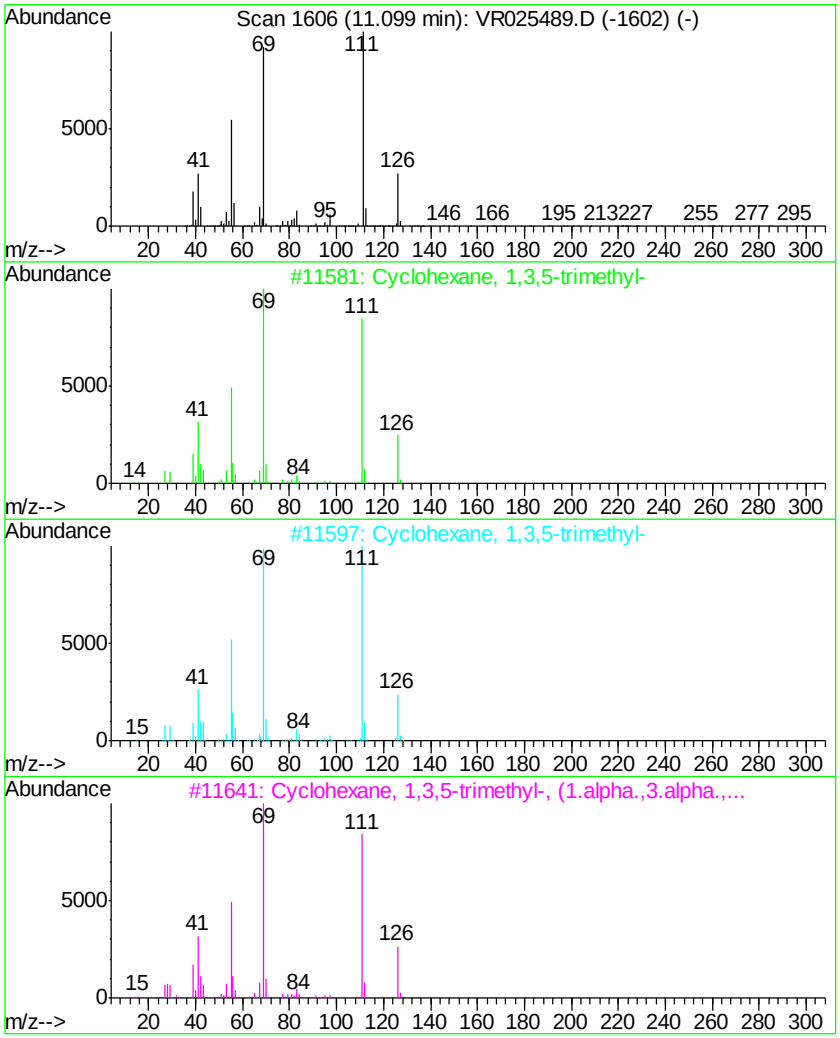
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

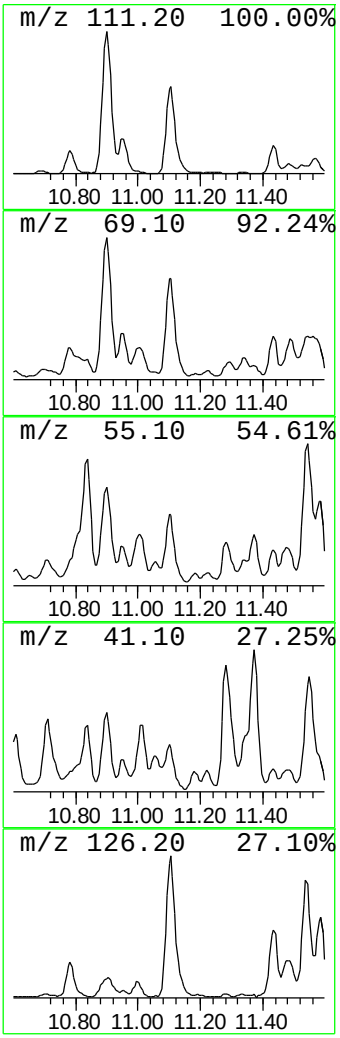
****

Peak Number 30 (DEL) Alkane: Cyclic11.10 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	2.66 ug/L	12131000	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

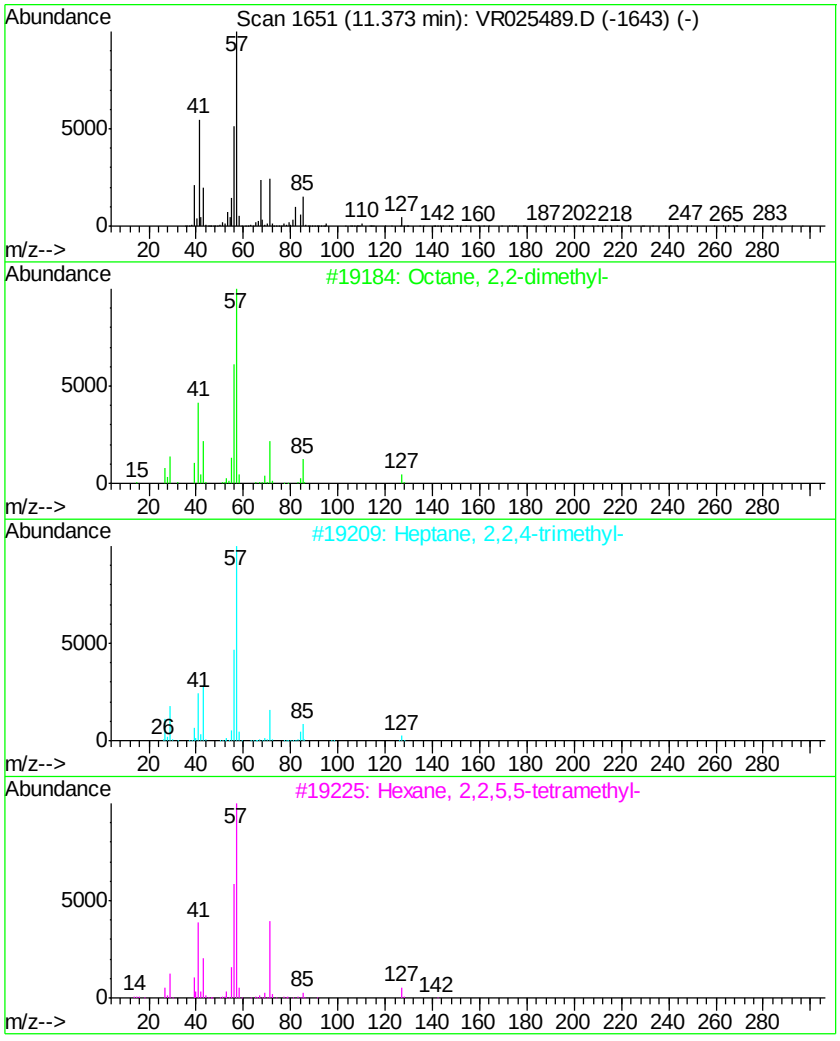
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

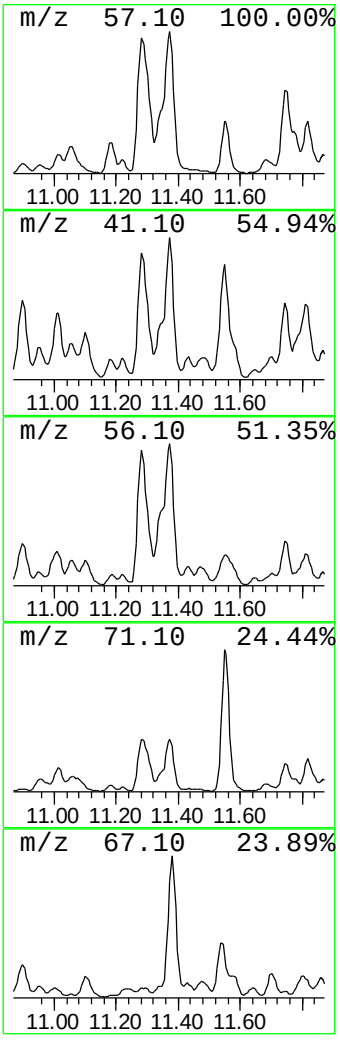
****

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	5.27 ug/L	24021000	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	53
2	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	50
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	50
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	50
5	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

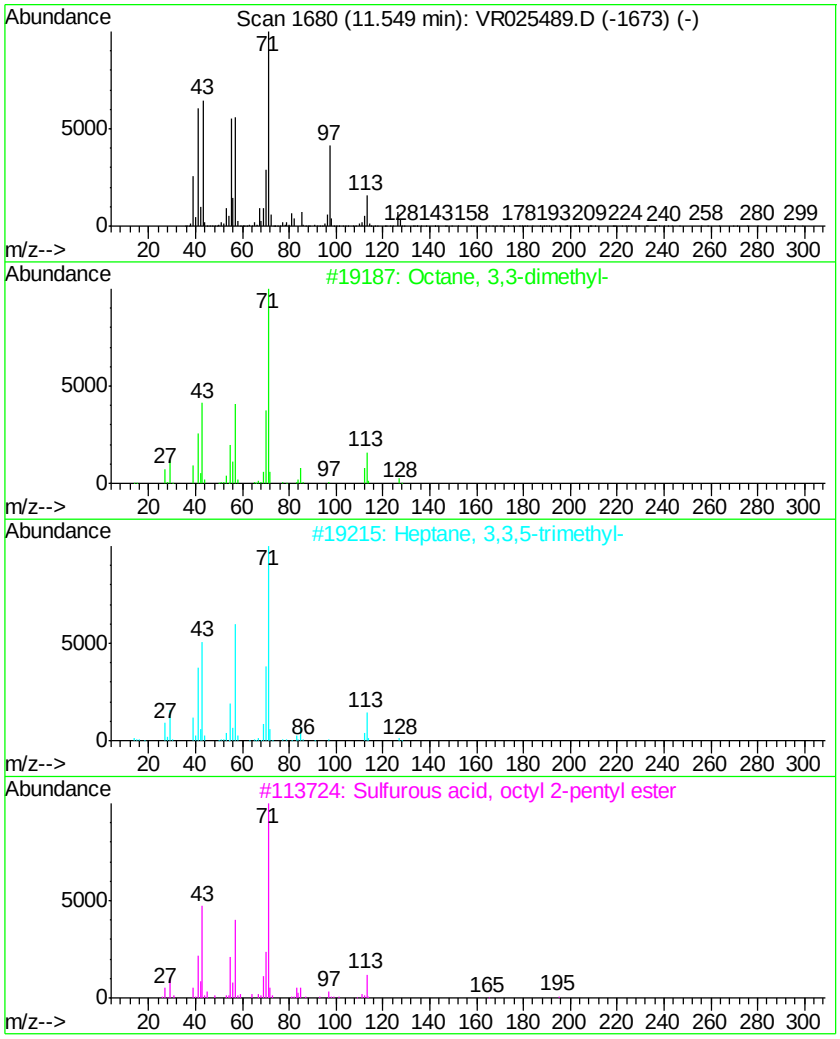
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

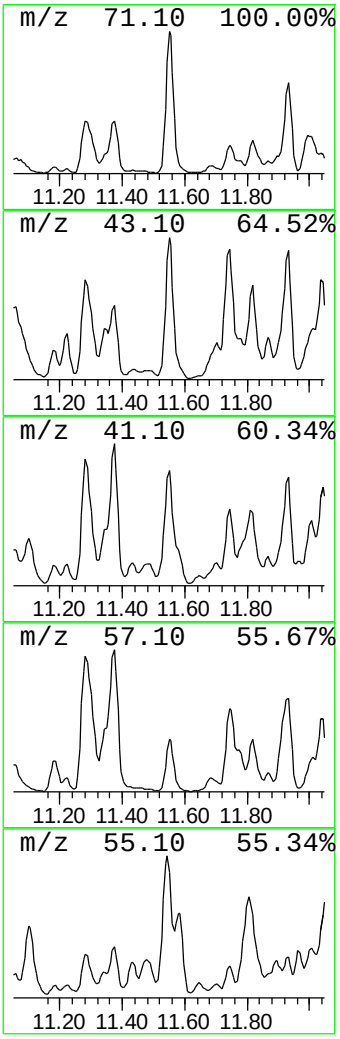
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	7.14 ug/L	32548100	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	53
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53
3	Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	50
4	Octane, 4-bromo-	192	C8H17Br	000999-06-4	43
5	1,1-Dimethylpropyl 2-ethylhexanoate	214	C13H26O2	1000099-99-2	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

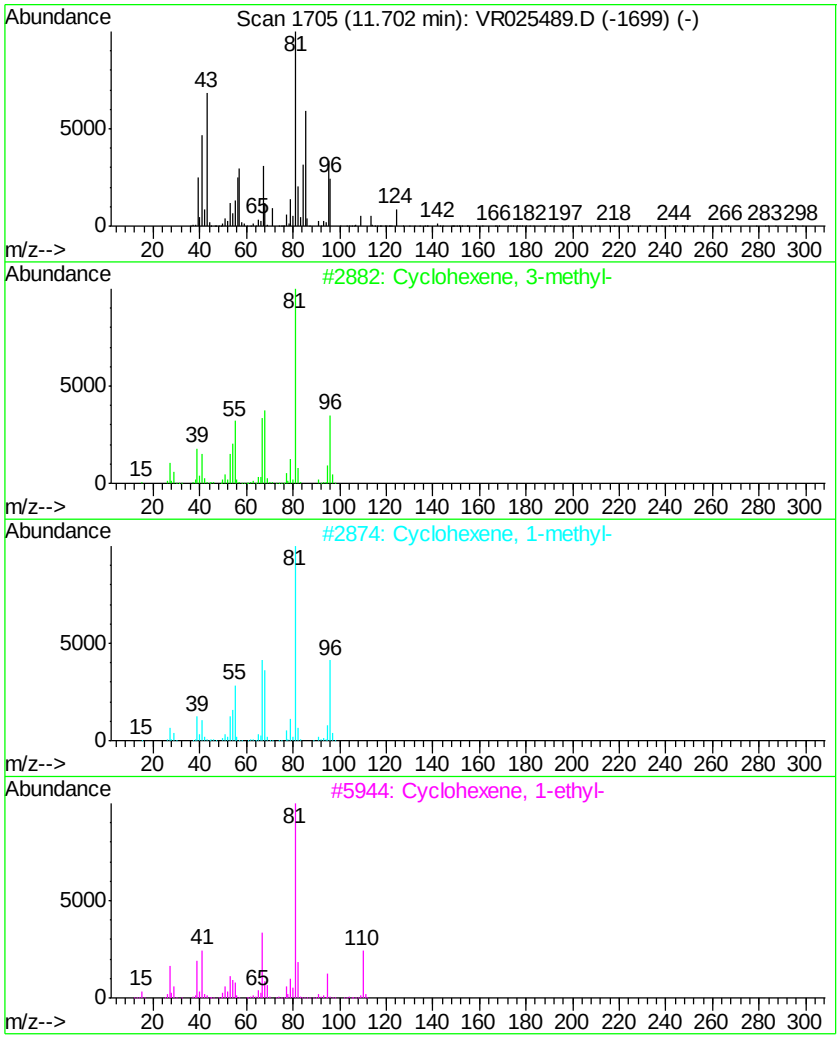
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

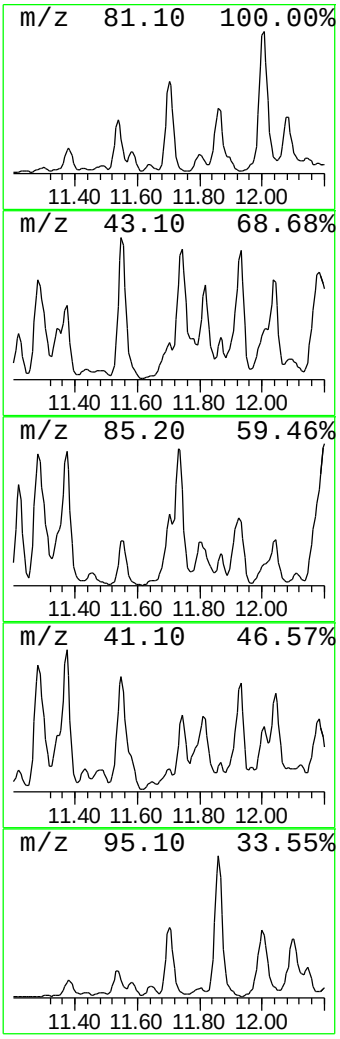
****

Peak Number 33 unknown-01 Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	0.94 ug/L	4281220	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	43
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	38
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	38
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

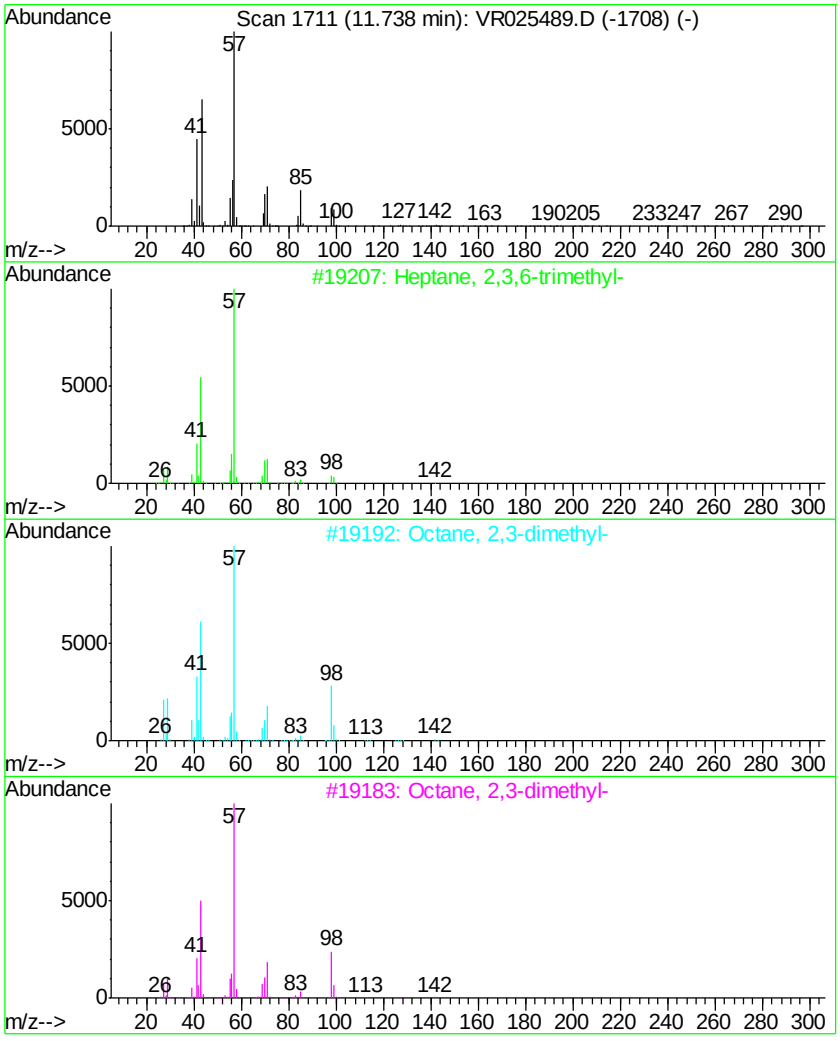
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

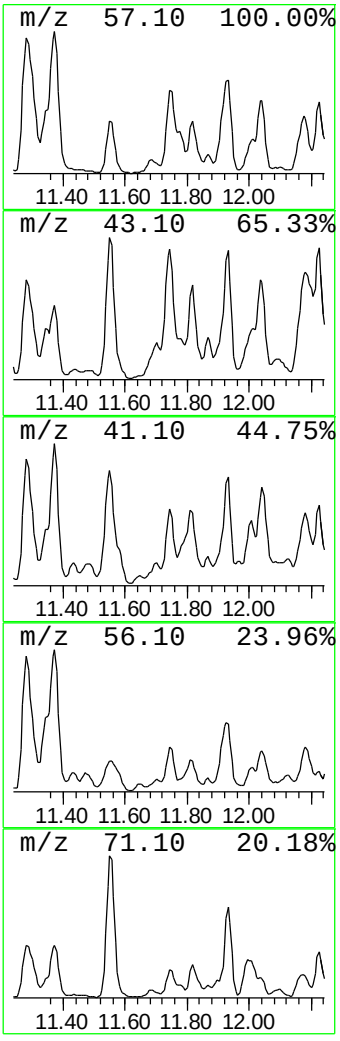
****

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	1.76 ug/L	8008920	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	78
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	74
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	72
4	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	72
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

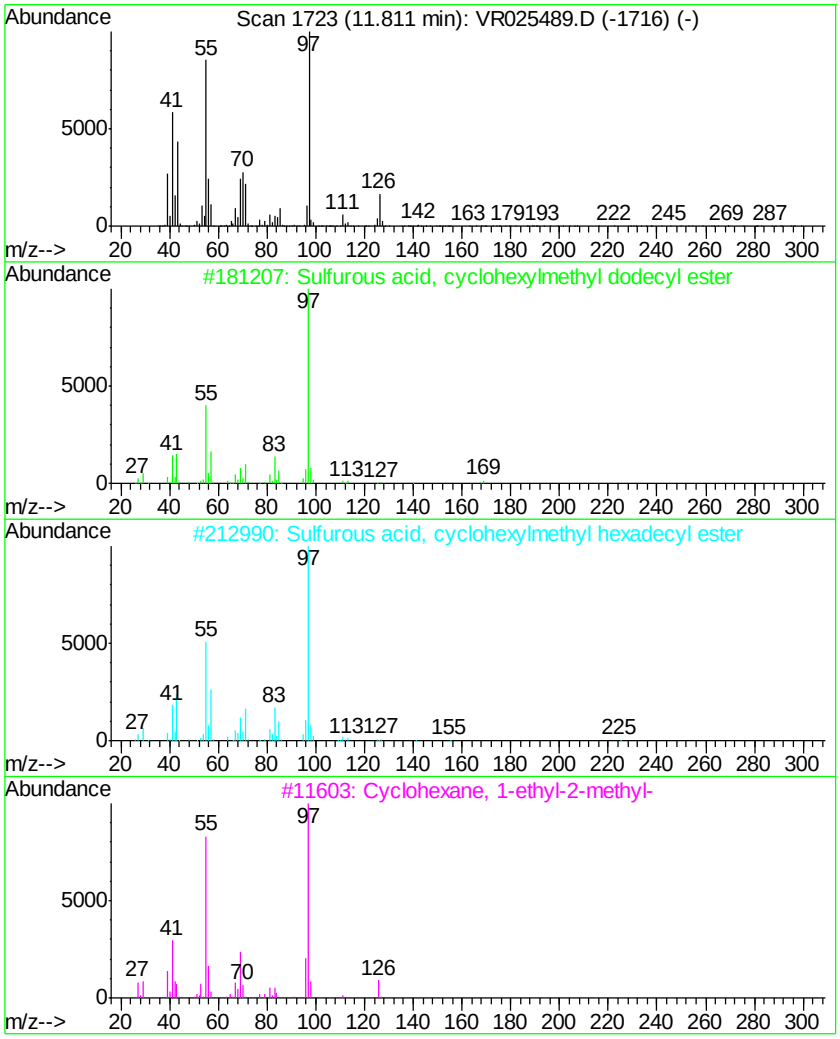
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

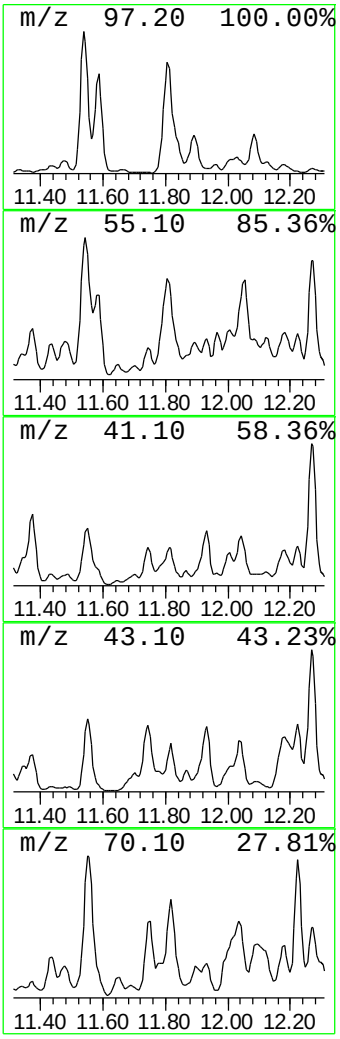
****

Peak Number 35 Sulfurous acid, cyclohexylm... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	2.88 ug/L	13121600	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	59
2	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	53
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
4	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	53
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

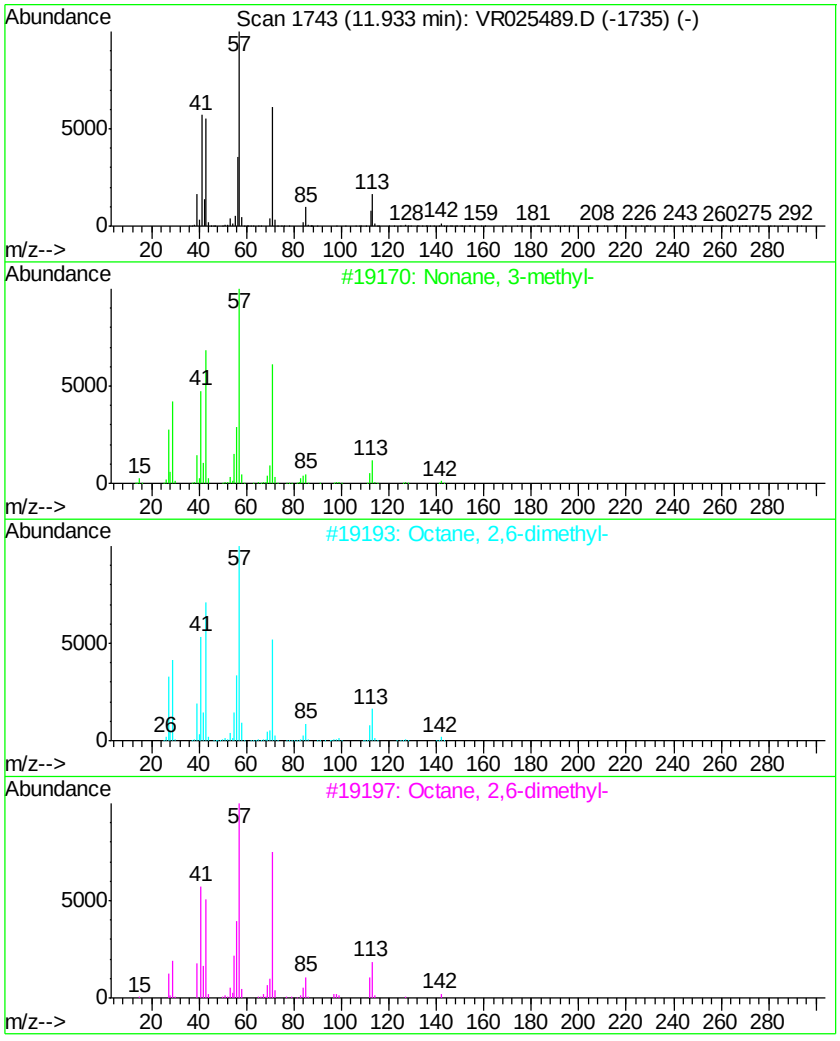
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

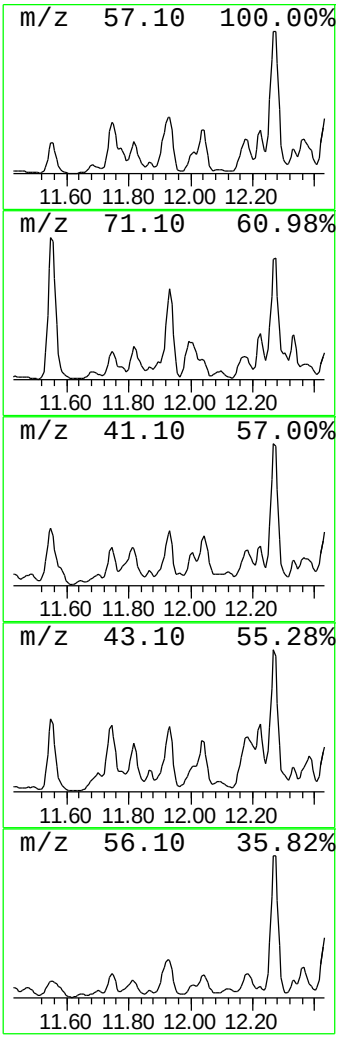
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.57 ug/L	11697800	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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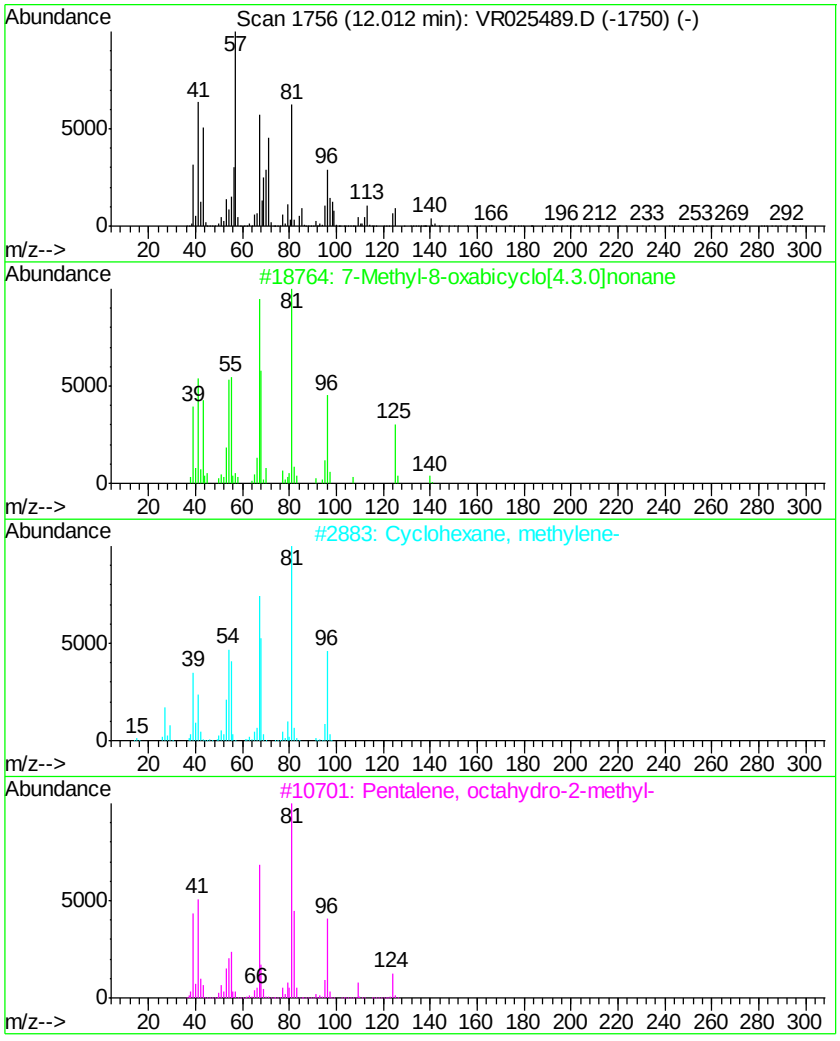
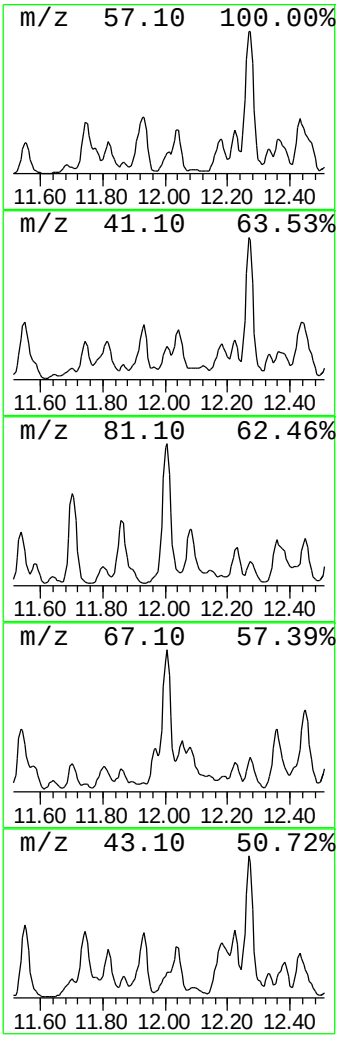
Peak Number 37 7-Methyl-8-oxabicyclo[4.3.0... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.12 ug/L	9674120	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methyl-8-oxabicyclo[4.3.0]nonane	140	C9H16O	1000216-87-6	52
2	Cyclohexane, methylene-	96	C7H12	001192-37-6	52
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	50
4	3-Hepten-2-ol, (E)-	114	C7H14O	067077-39-8	46
5	Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

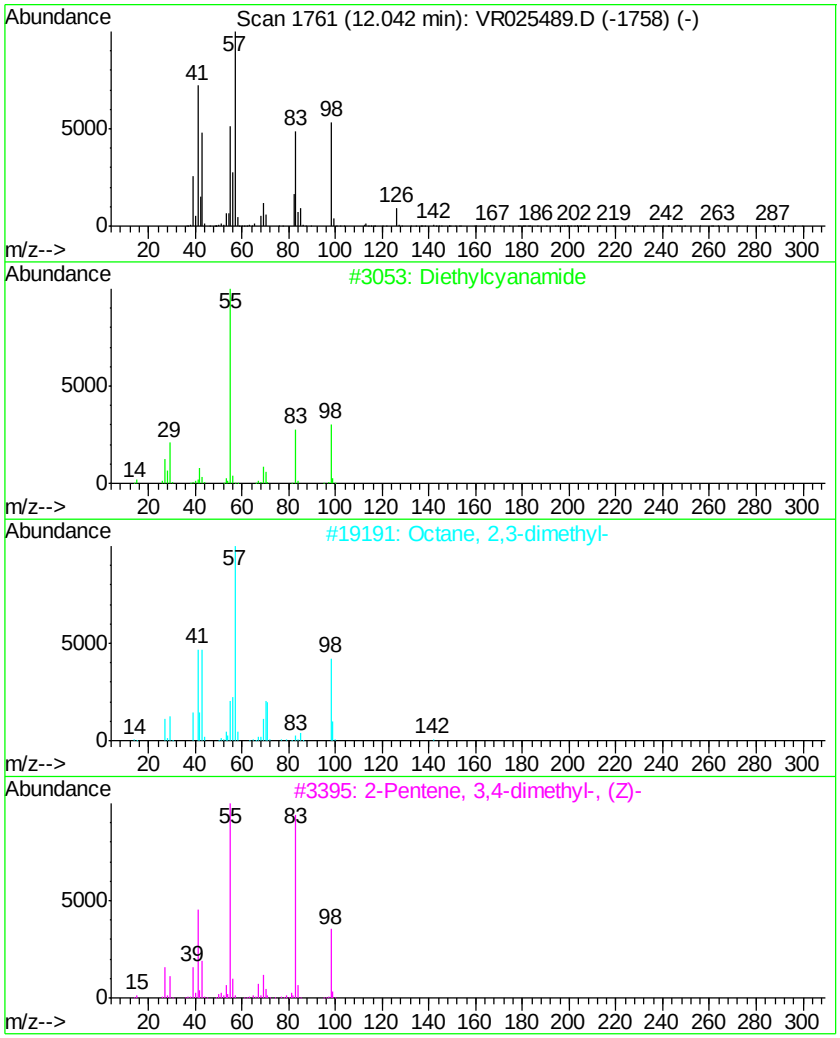
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

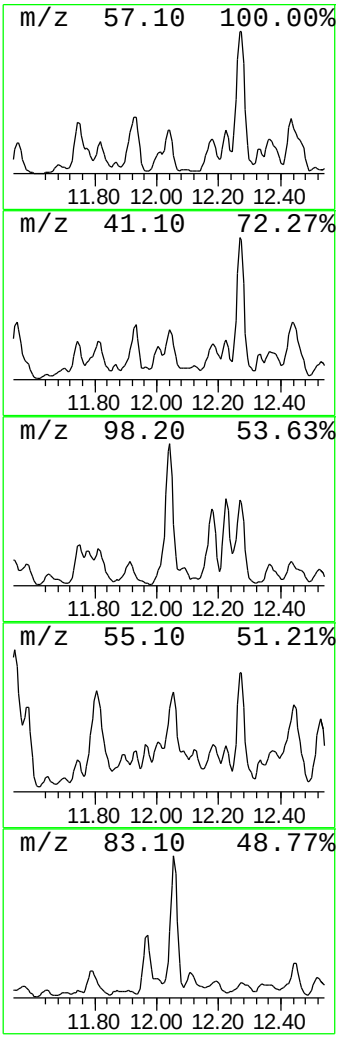
****

Peak Number 38 unknown-02 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	2.25 ug/L	10271400	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethylcyanamide	98	C5H10N2	000617-83-4	47
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	46
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	46
4	Cyclohexanecarboxaldehyde, 3,3-d...	154	C9H14O2	065080-66-2	43
5	3-Heptene	98	C7H14	000592-78-9	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

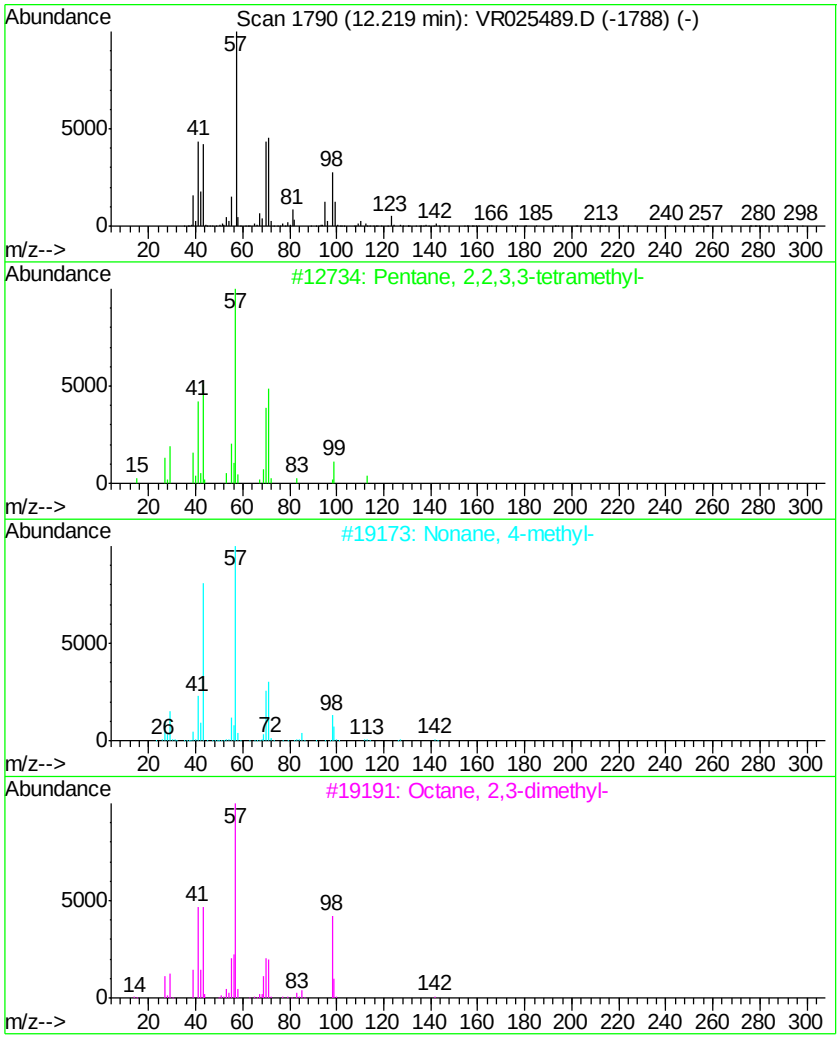
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

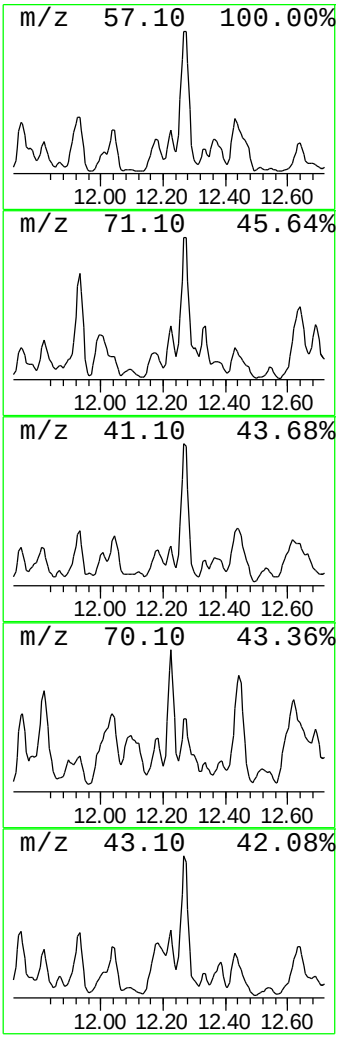
****

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	1.10 ug/L	5012890	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	50
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
4	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	42
5	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

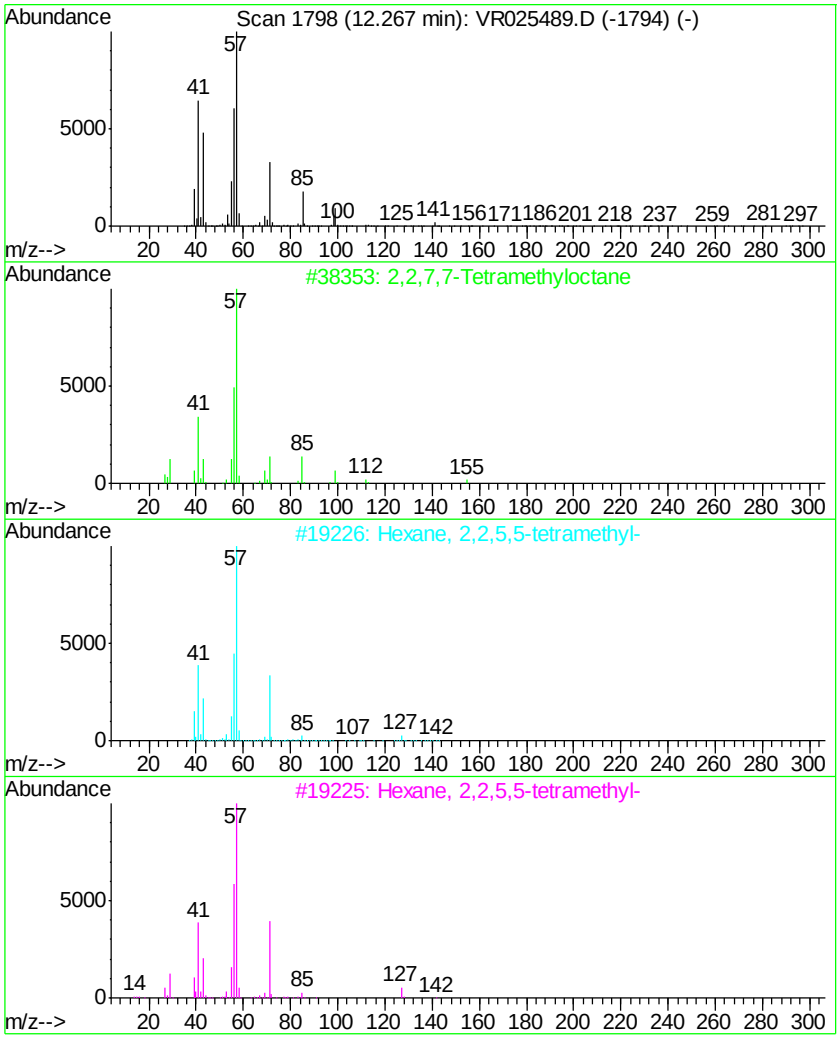
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

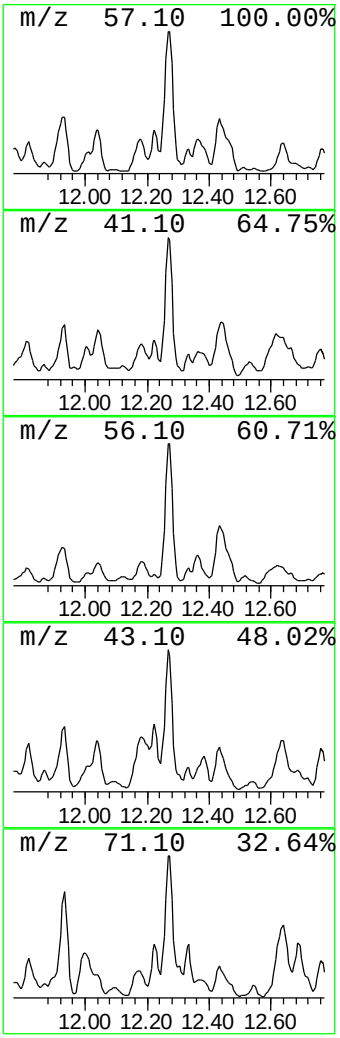
****

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	21.98 ug/L	33697900	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	59
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
4	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	59
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

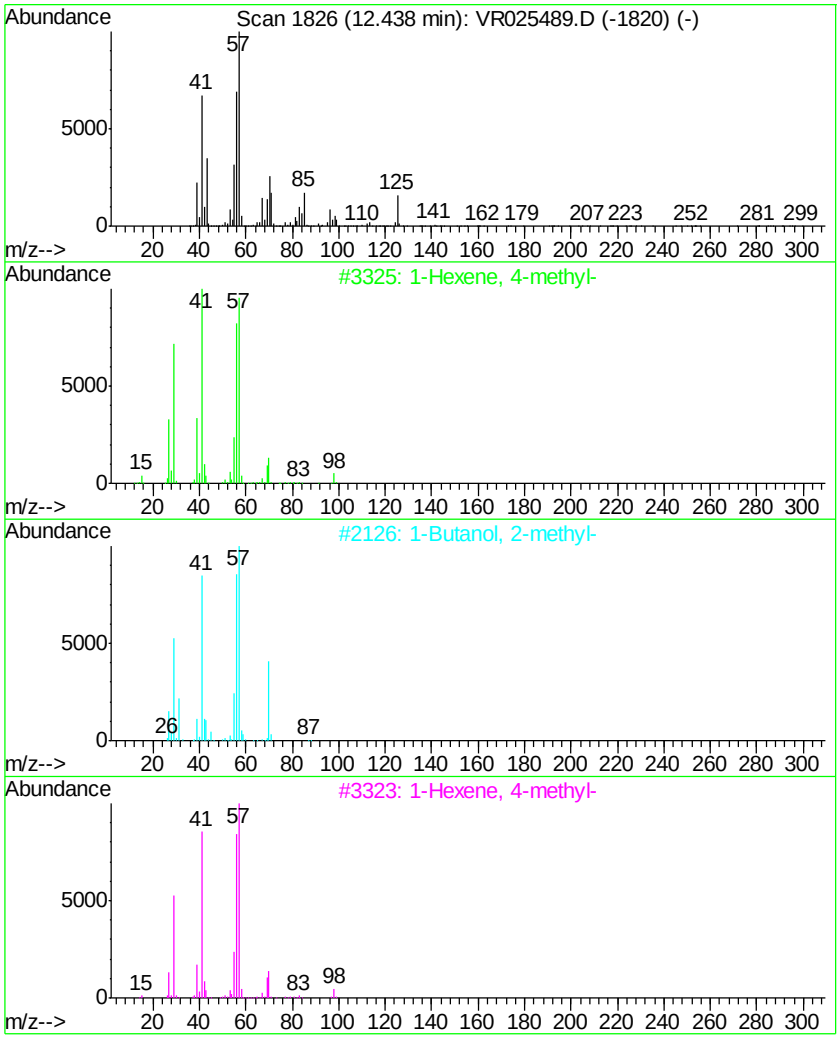
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

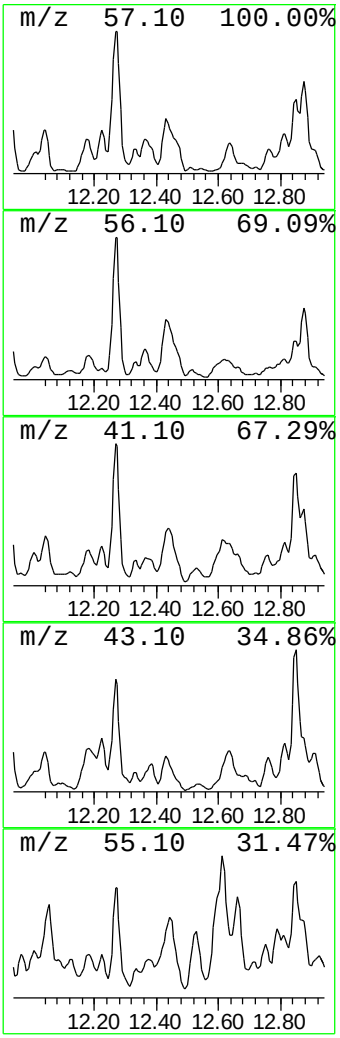
****

Peak Number 41 (DEL) Alkane: Cyclic12.44 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	20.98 ug/L	32167000	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	49
2	1-Butanol, 2-methyl-	88	C5H12O	000137-32-6	47
3	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	47
4	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	43
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

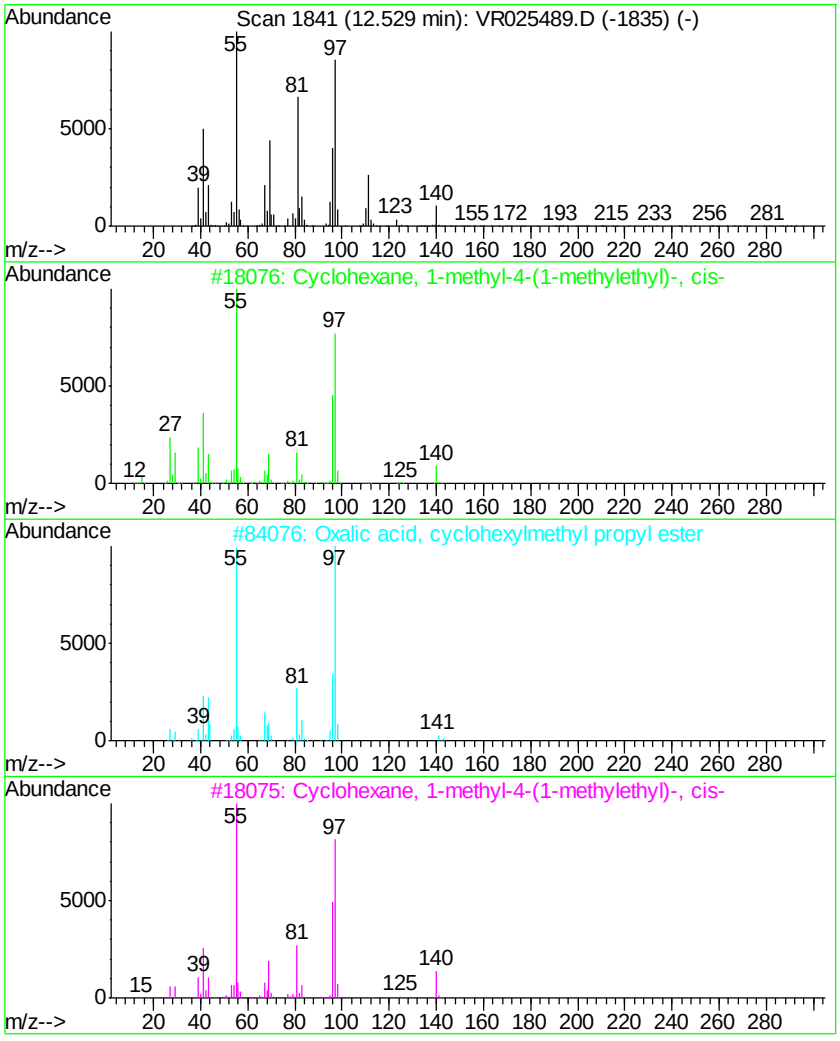
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

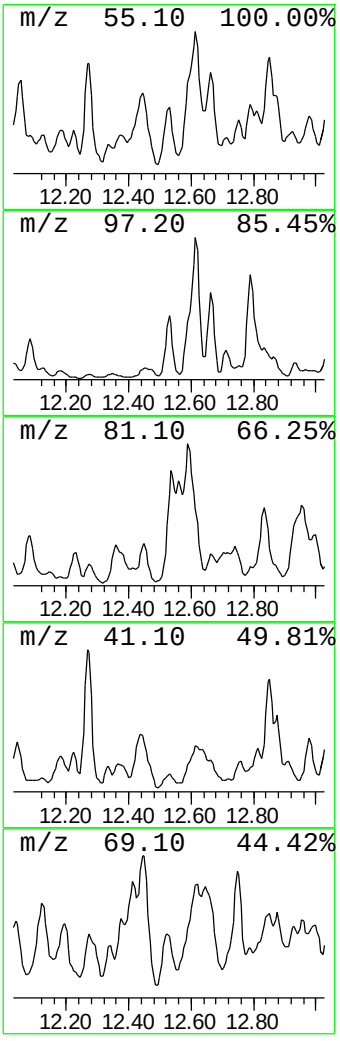
****

Peak Number 42 (DEL) Alkane: Cyclic12.53 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	6.22 ug/L	9530900	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	62
2	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1000309-68-1	59
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	58
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	58
5	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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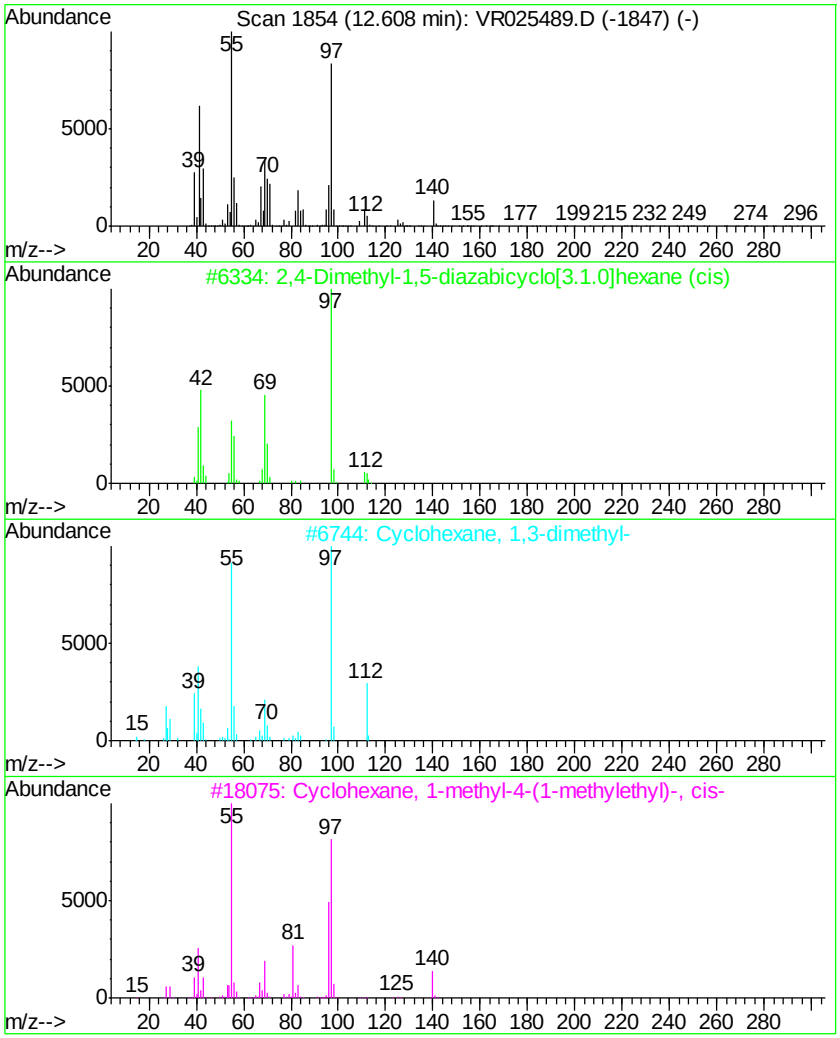
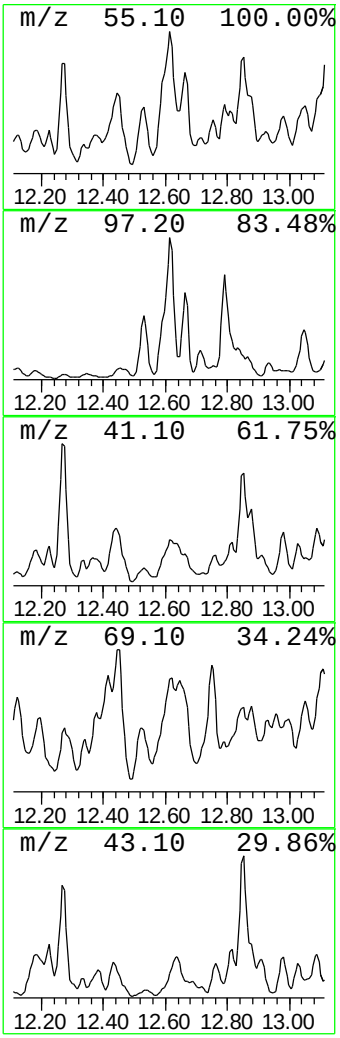
Peak Number 43 unknown-03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	18.10 ug/L	27744900	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	100463-01-2	49
2	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	49
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49
5	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

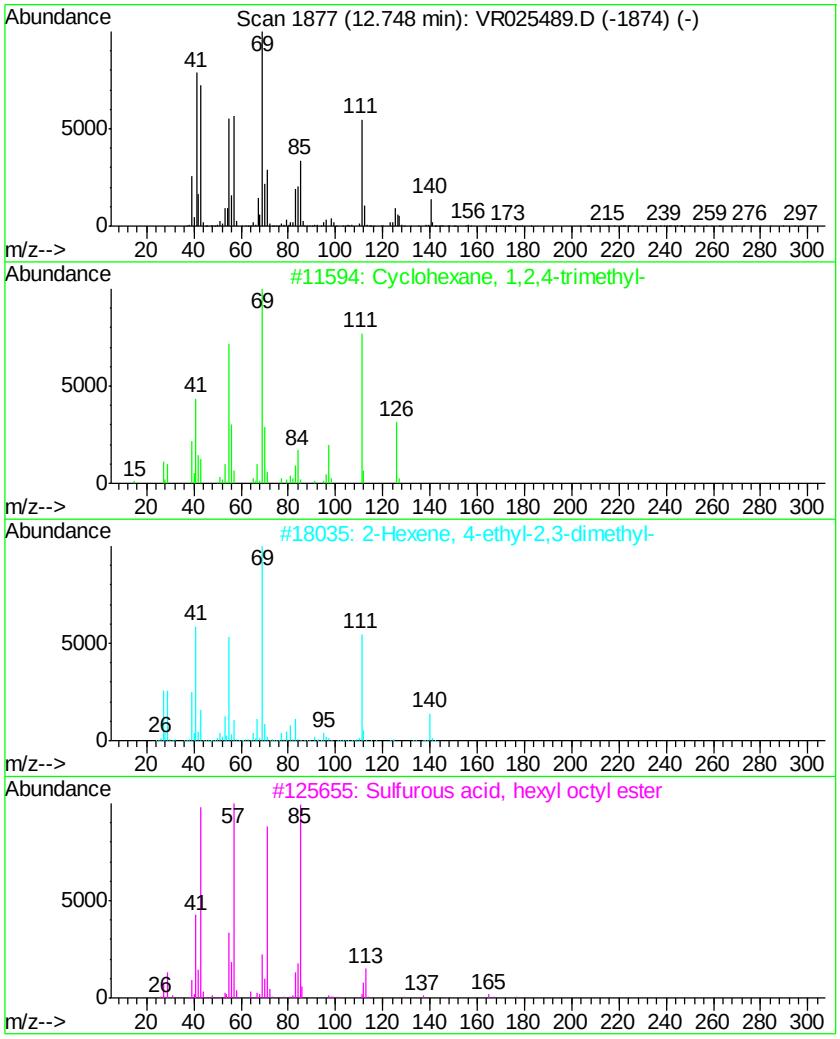
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

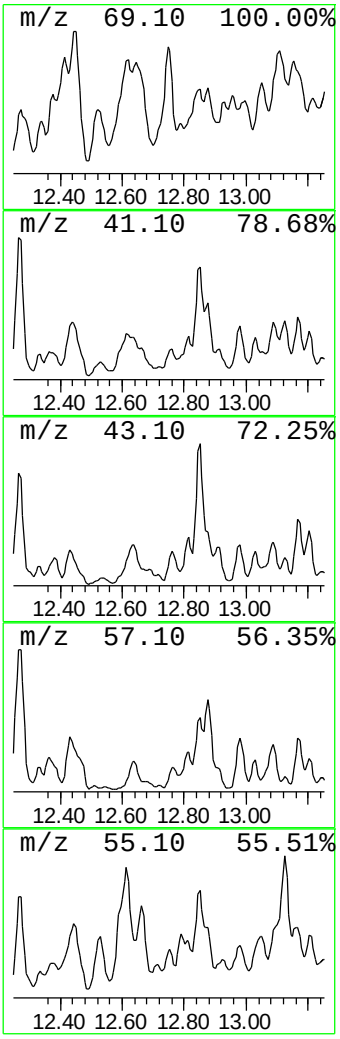
****

Peak Number 44 (DEL) Alkane: Cyclic-12.75 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	4.27 ug/L	6552850	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	38
2	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	38
3	Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	35
4	2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	35
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

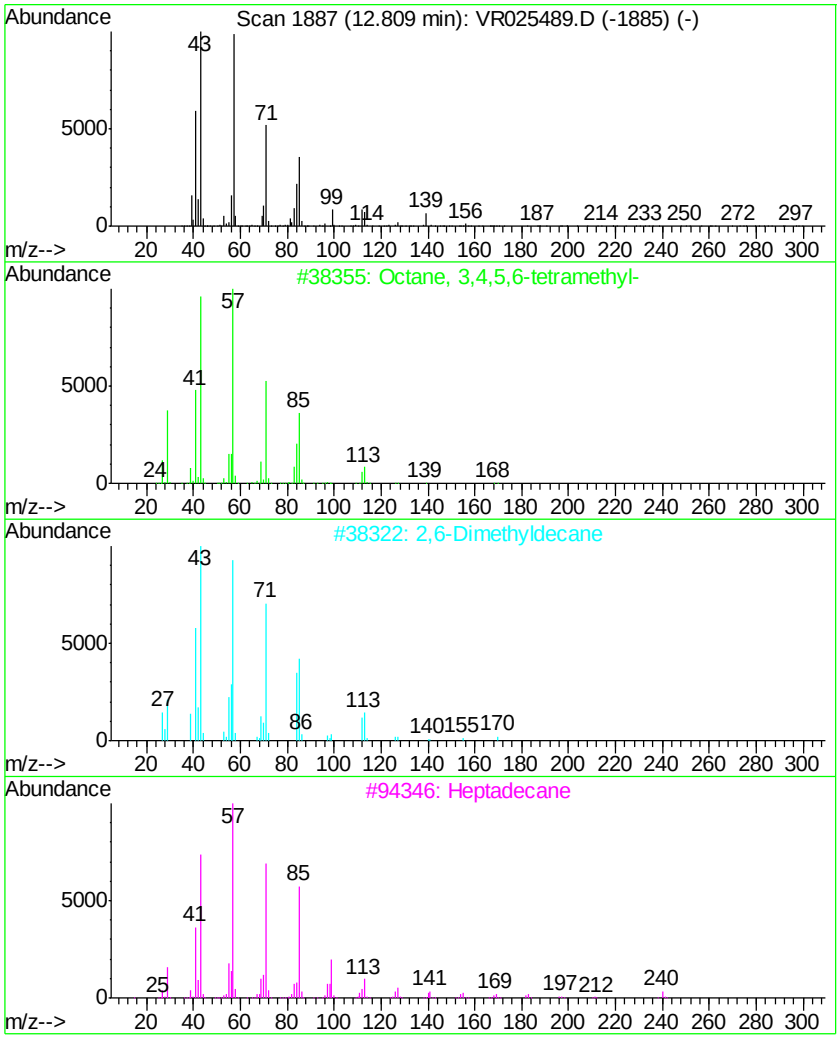
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

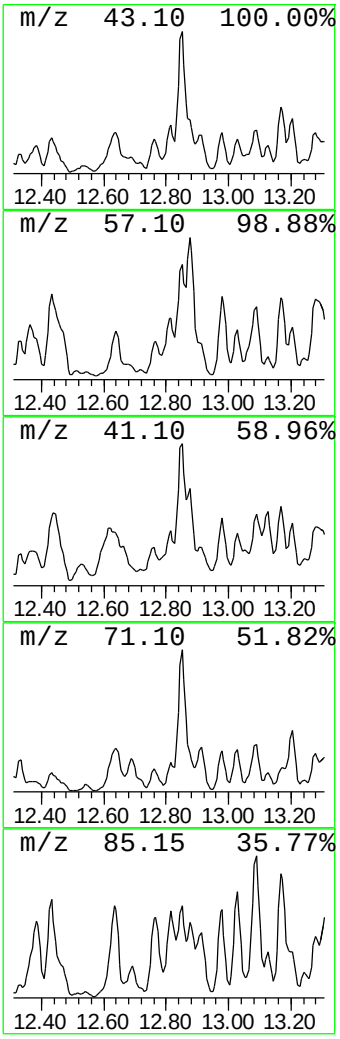
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	2.50 ug/L	3833950	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	86
2	2,6-Dimethyldecane	170	C12H26	013150-81-7	64
3	Heptadecane	240	C17H36	000629-78-7	58
4	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	53
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

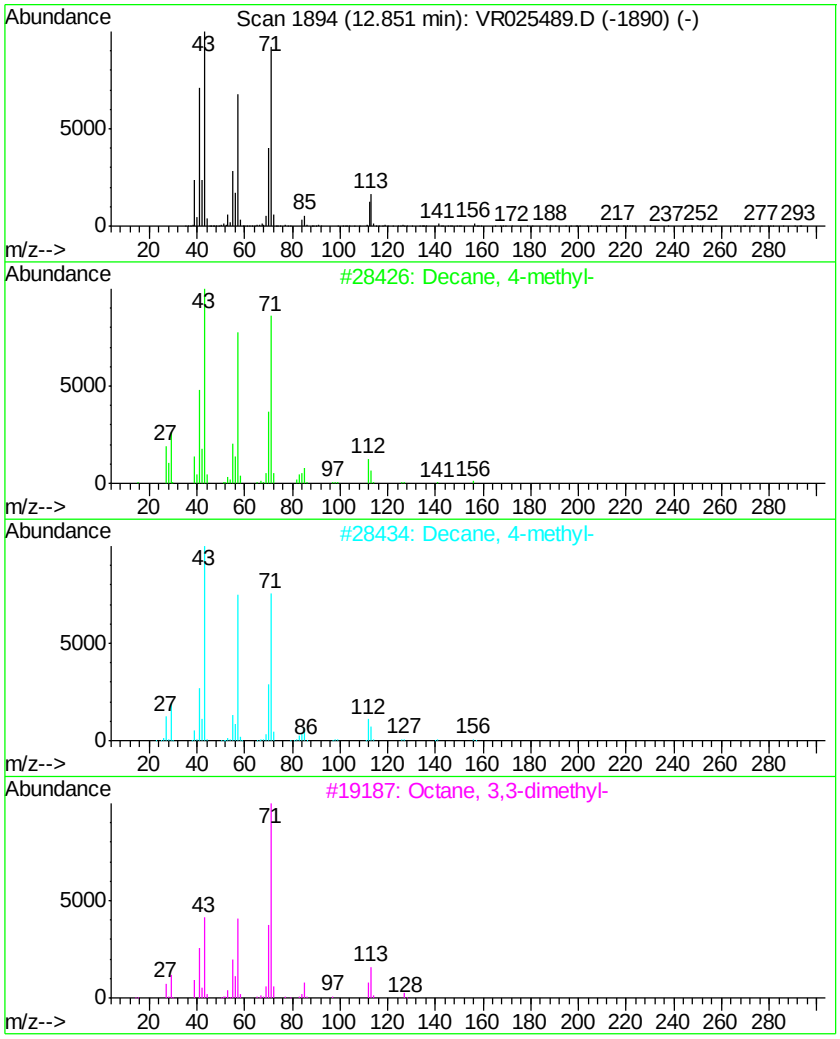
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

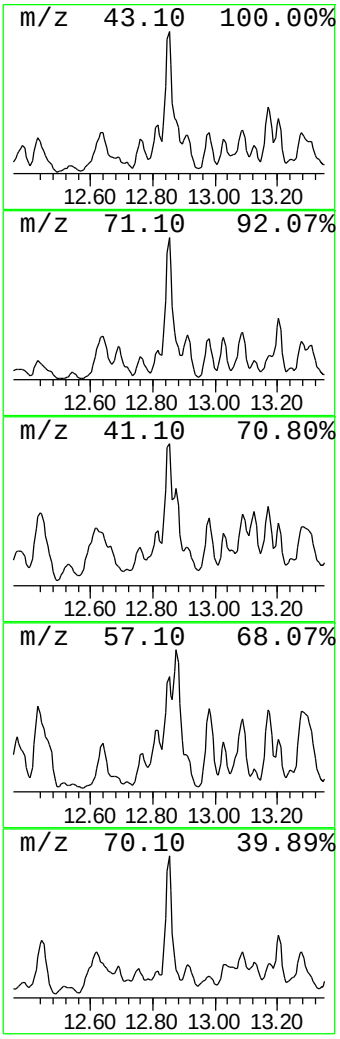
****

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	11.67 ug/L	17887700	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	83
2	Decane, 4-methyl-	156	C11H24	002847-72-5	72
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
4	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	68
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

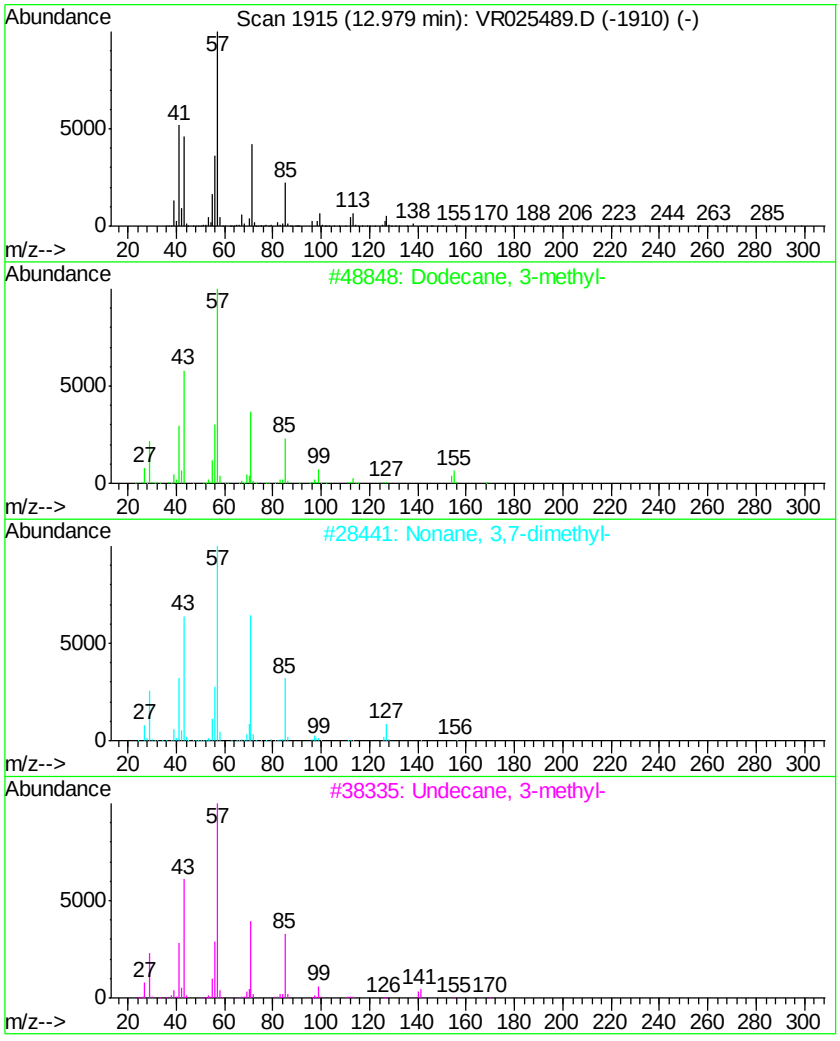
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

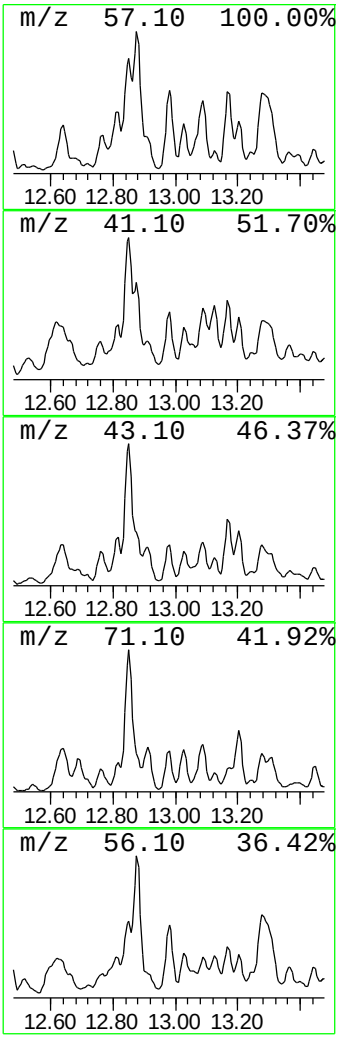
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	7.88 ug/L	12077000	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	59
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	59
4	Tridecane	184	C13H28	000629-50-5	59
5	Nonadecane	268	C19H40	000629-92-5	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

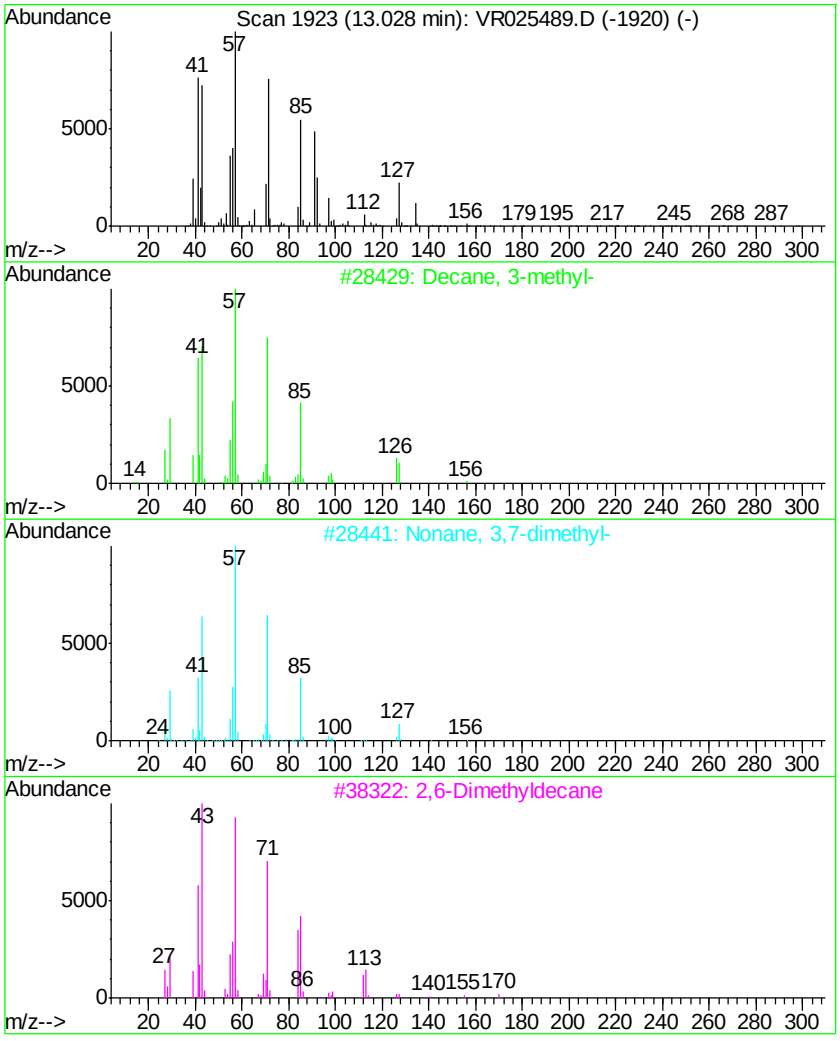
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

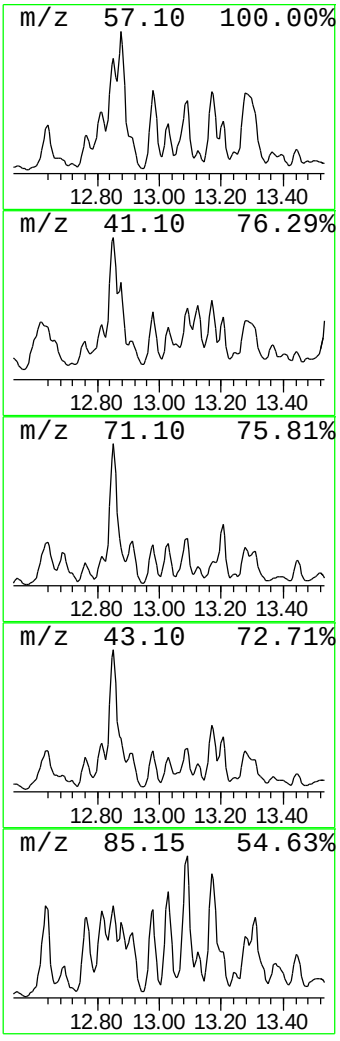
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	5.44 ug/L	8343540	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	68
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	62
3	2,6-Dimethyldecane	170	C12H26	013150-81-7	53
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	50
5	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

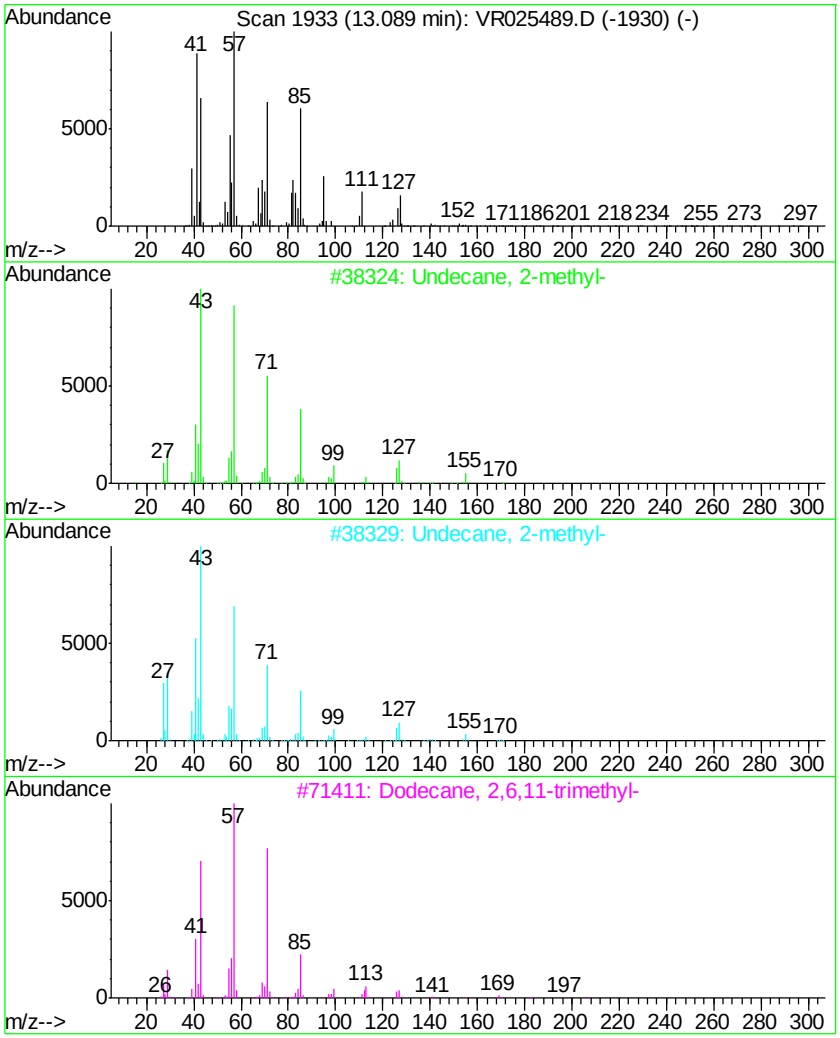
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

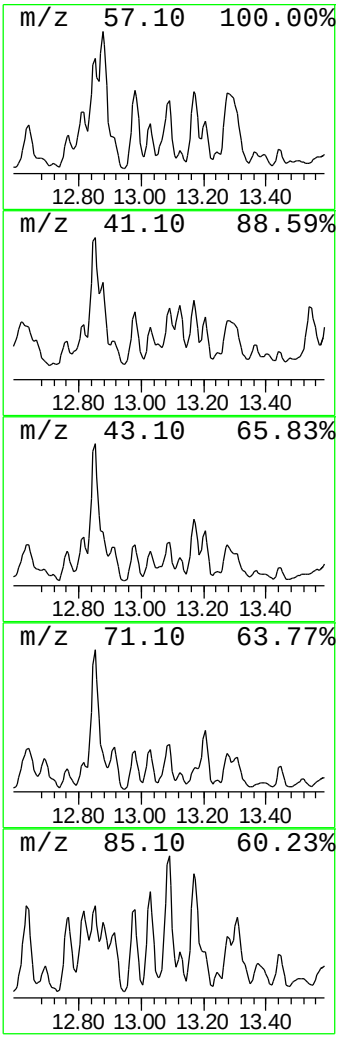
****

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	8.37 ug/L	12838900	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	64
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	58
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	43
4	Oxalic acid, 6-ethyloct-3-yl eth...	258	C14H26O4	1000309-33-9	43
5	10-Methylnonadecane	282	C20H42	056862-62-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

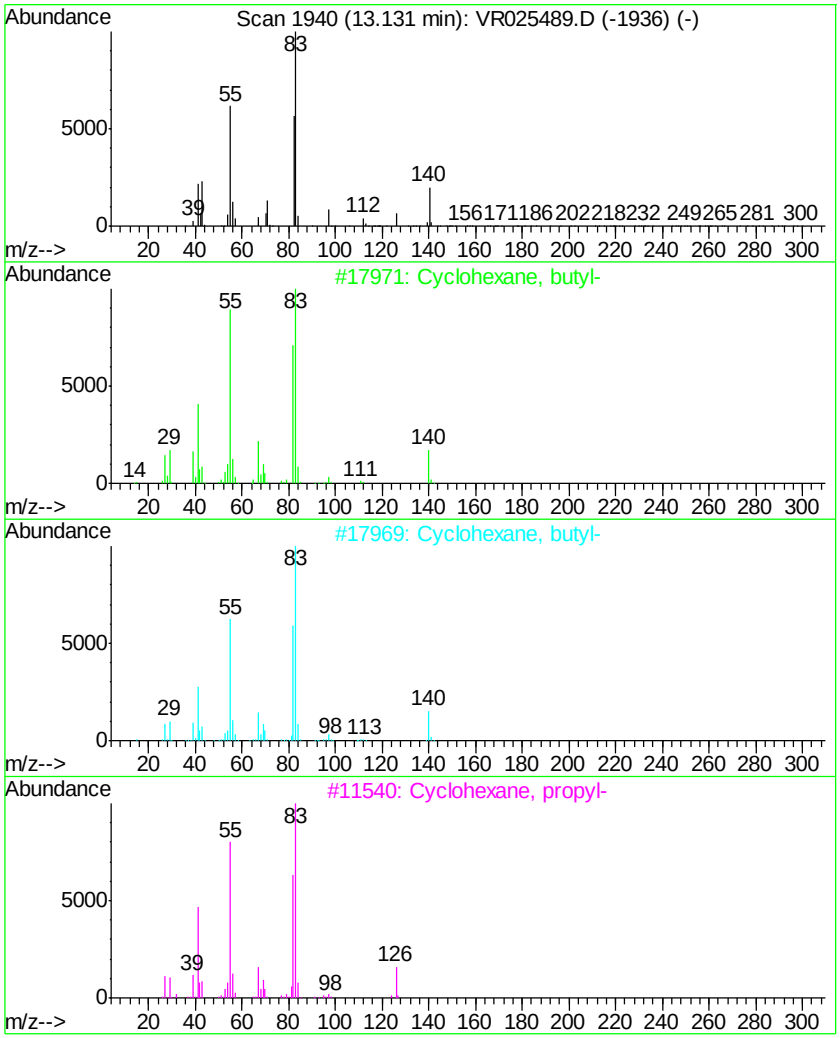
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

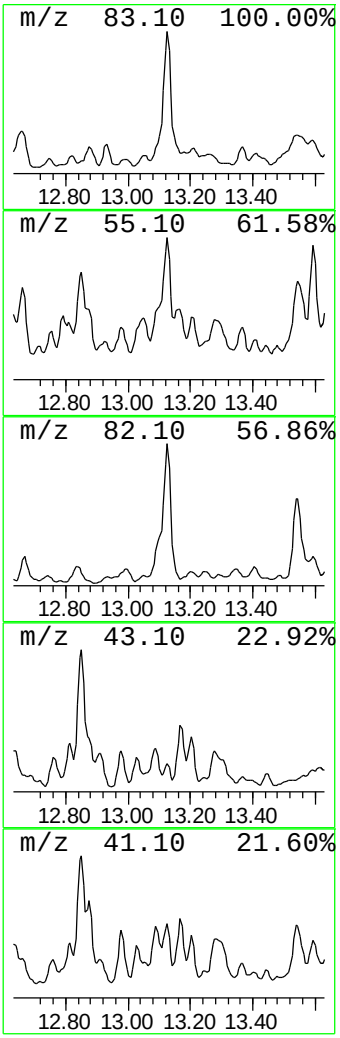
****

Peak Number 50 (DEL) Alkane: Cyclic13.13 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	7.46 ug/L	11442900	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	74
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	74
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

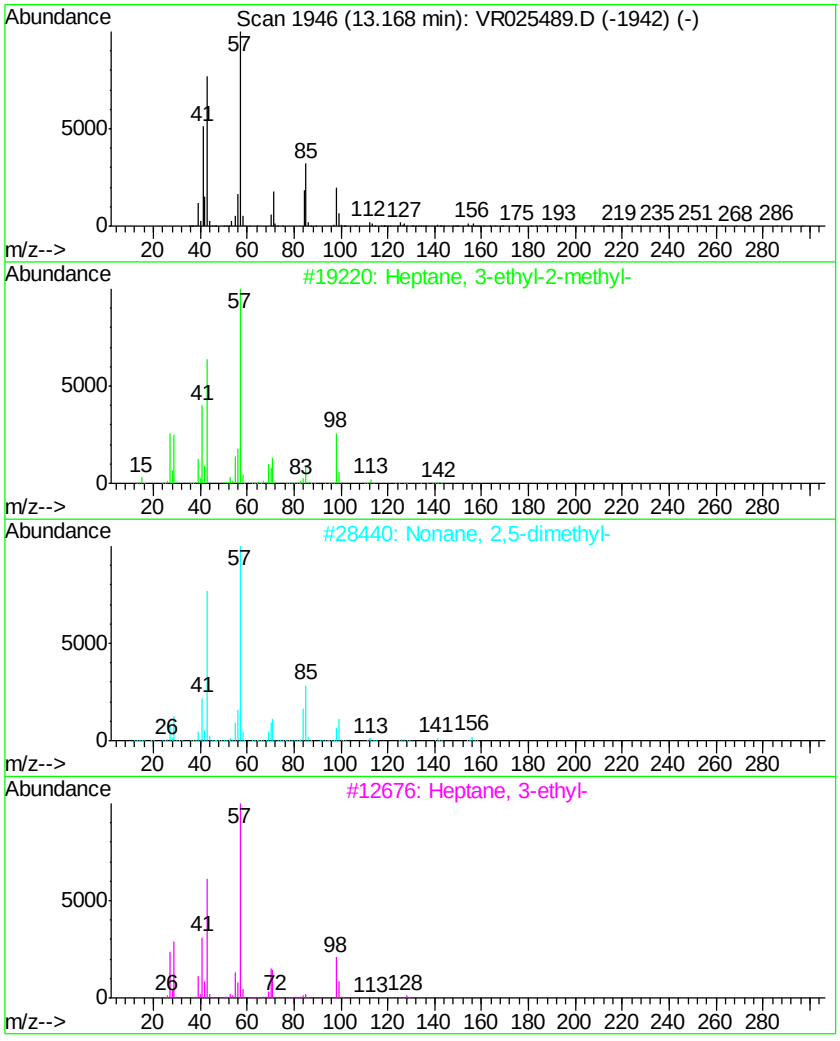
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

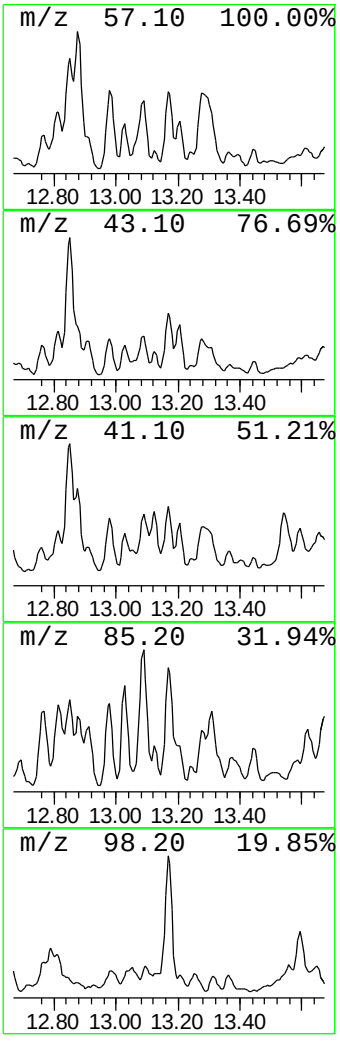
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	6.68 ug/L	10241400	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
2	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	64
3	Heptane, 3-ethyl-	128	C9H20	015869-80-4	59
4	Heptane, 4-ethyl-	128	C9H20	002216-32-2	59
5	Heptane, 4-ethyl-	128	C9H20	002216-32-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

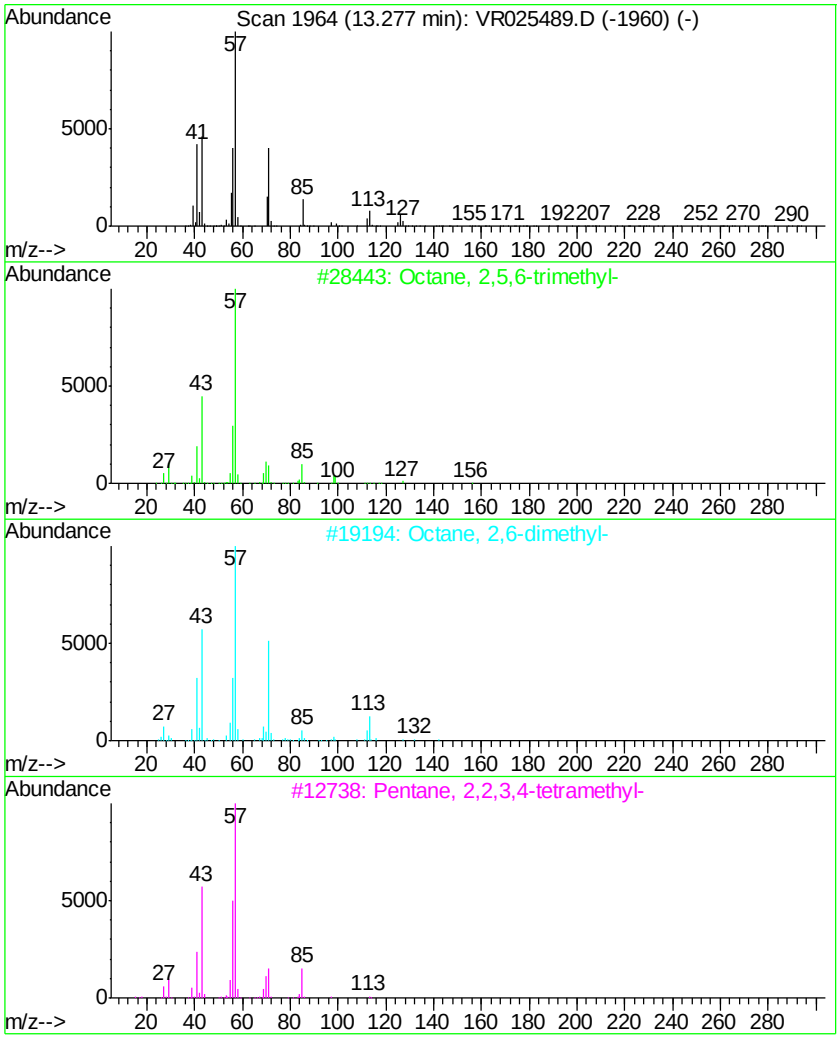
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

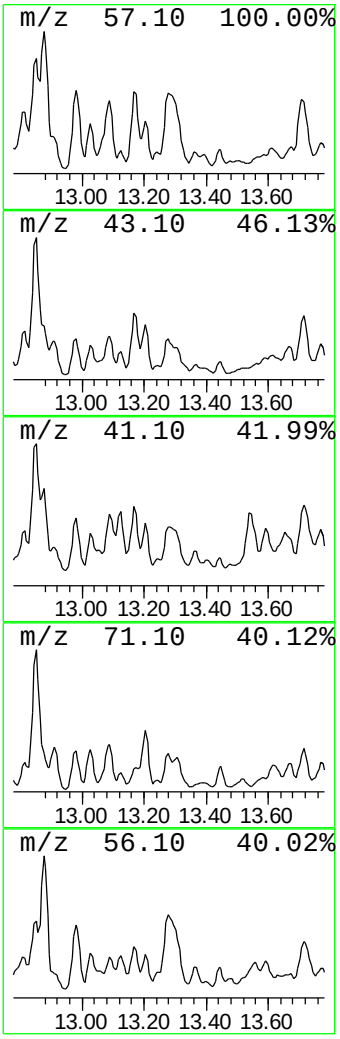
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	9.44 ug/L	14472600	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	64
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
5	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

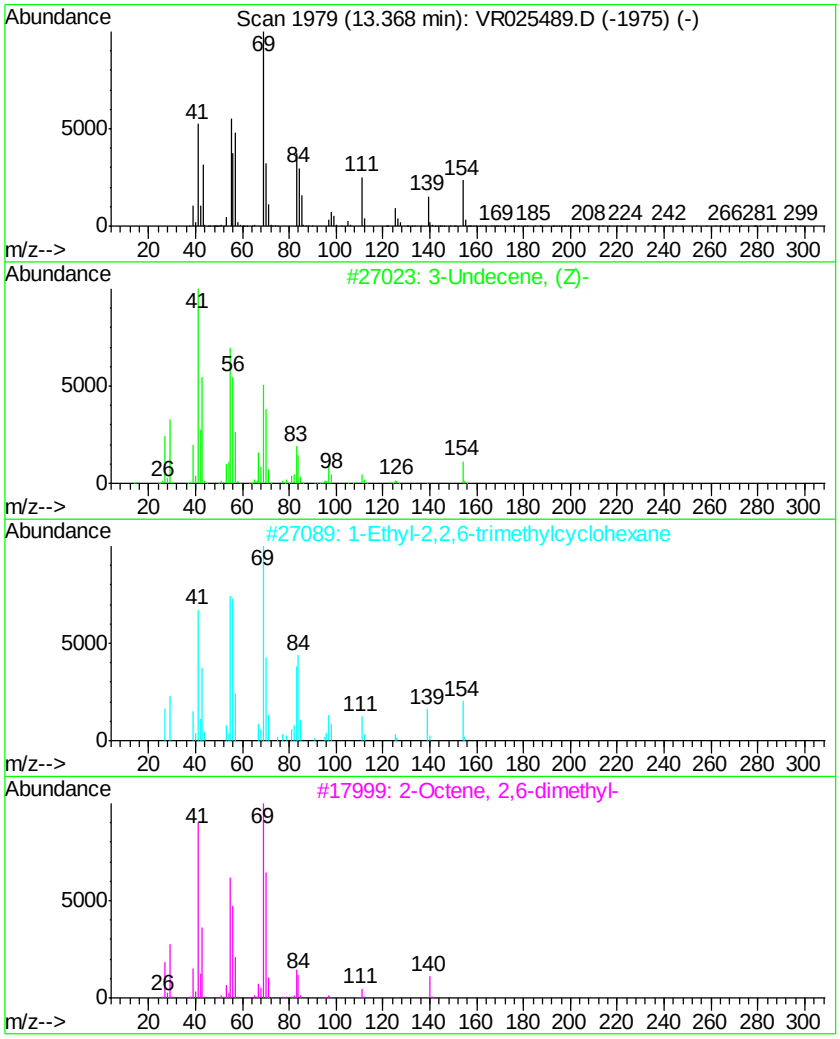
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

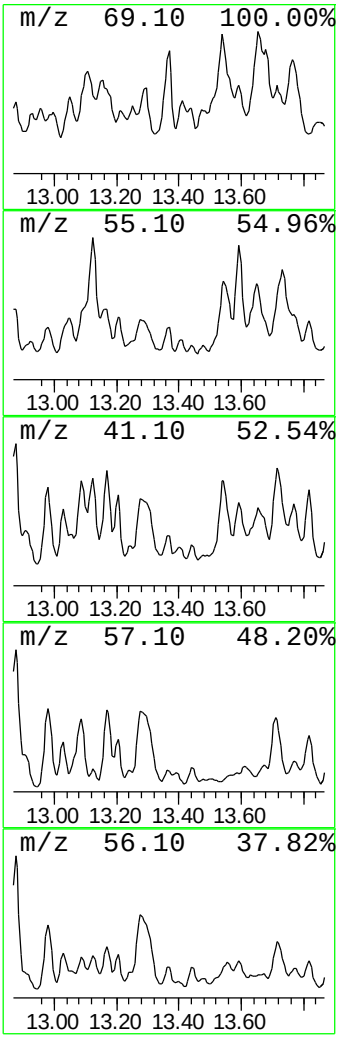
****

Peak Number 53 (DEL) Alkane: Cyclic13.37 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	1.65 ug/L	2537230	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Undecene, (Z)-	154	C11H22	000821-97-6	50
2	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	43
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
4	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	40
5	3-Penten-2-one	84	C5H8O	000625-33-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

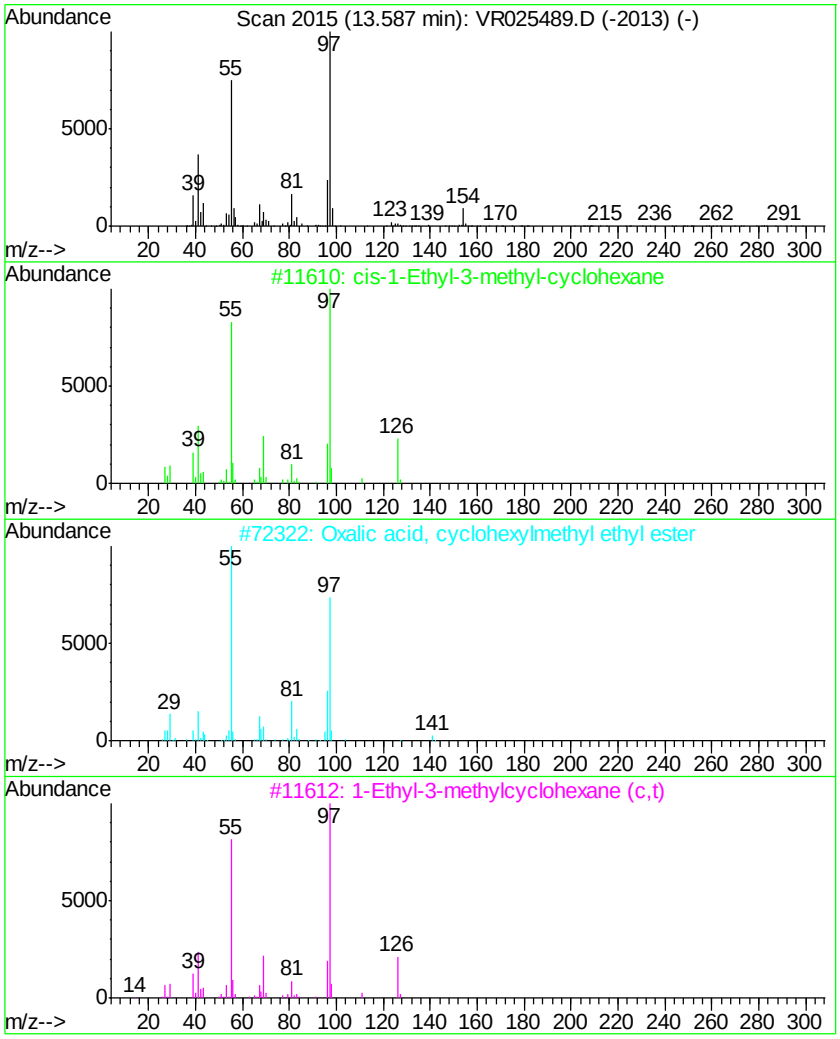
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

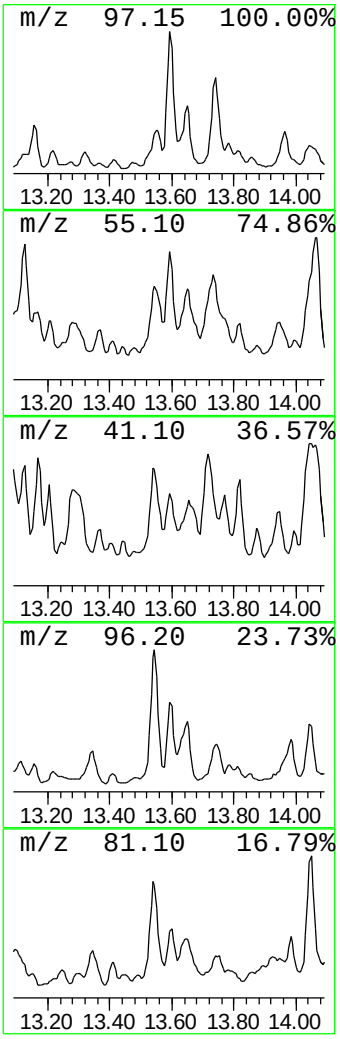
****

Peak Number 54 (DEL) Alkane: Cyclic13.59 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	4.11 ug/L	6308270	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
2	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	72
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
4	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	72
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

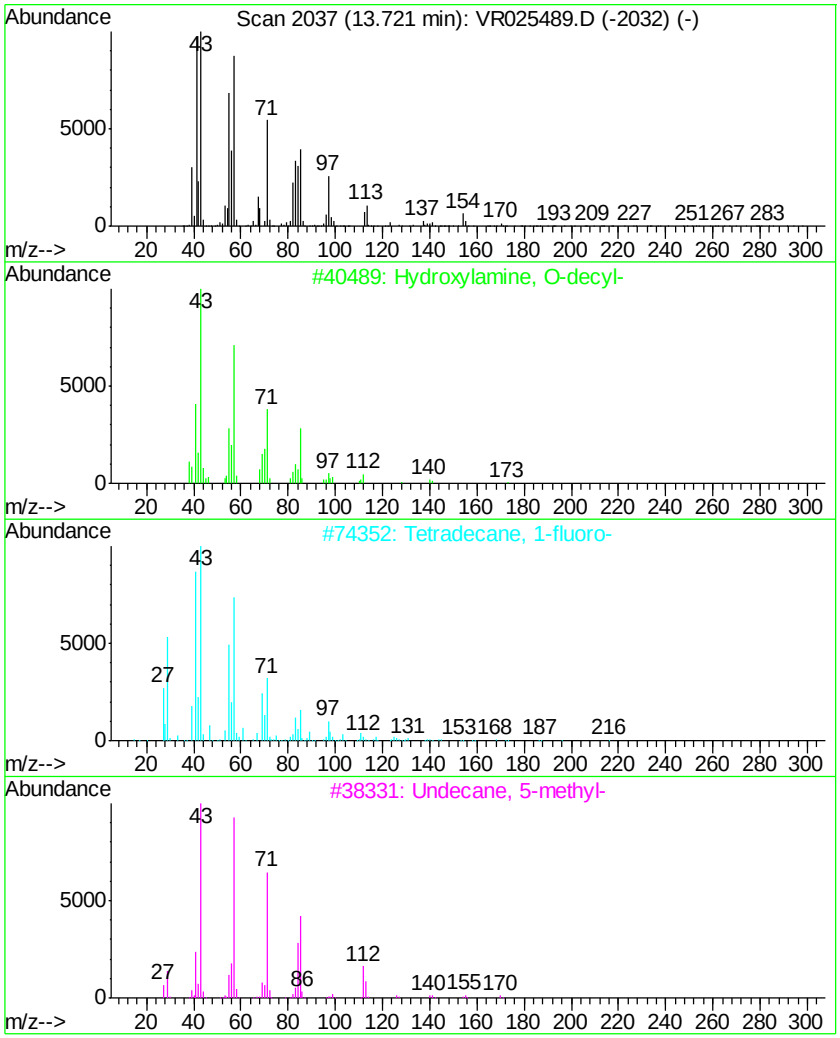
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

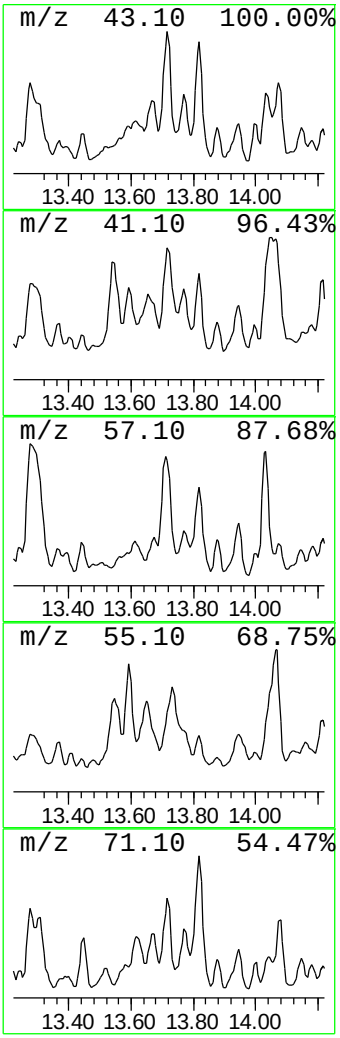
****

Peak Number 55 Hydroxylamine, O-decyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	9.23 ug/L	14149600	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	83
2	Tetradecane, 1-fluoro-	216	C14H29F	000593-33-9	72
3	Undecane, 5-methyl-	170	C12H26	001632-70-8	70
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	70
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

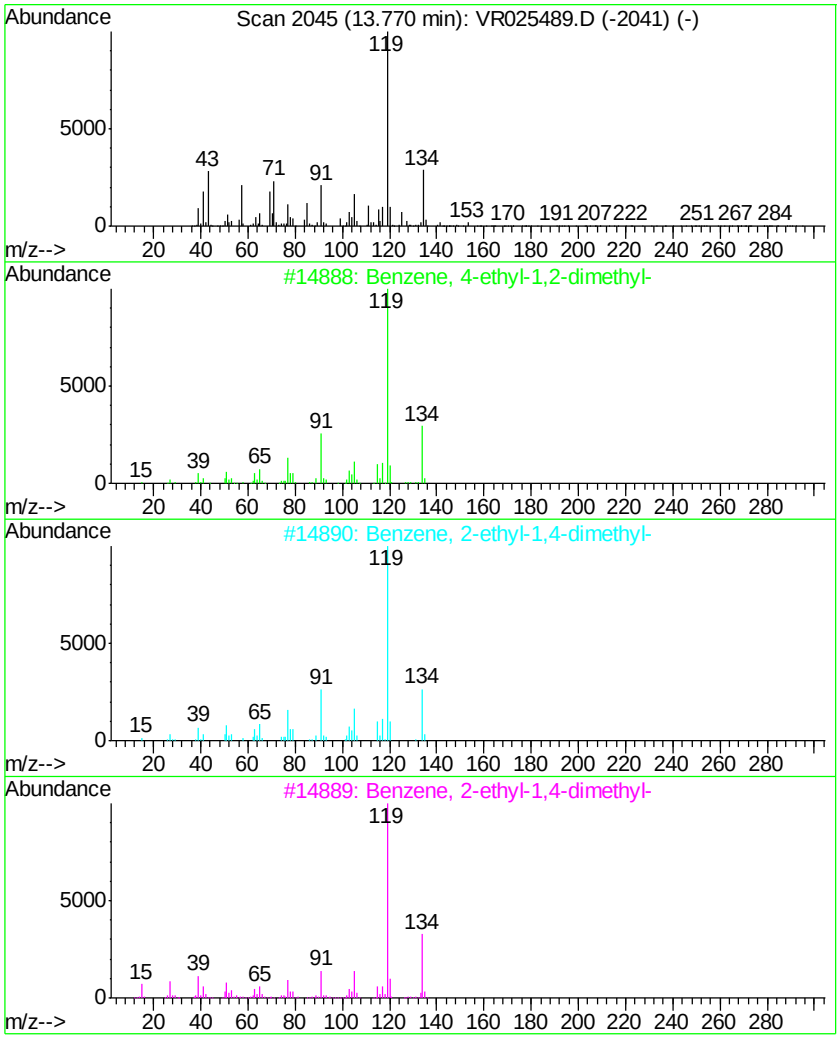
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

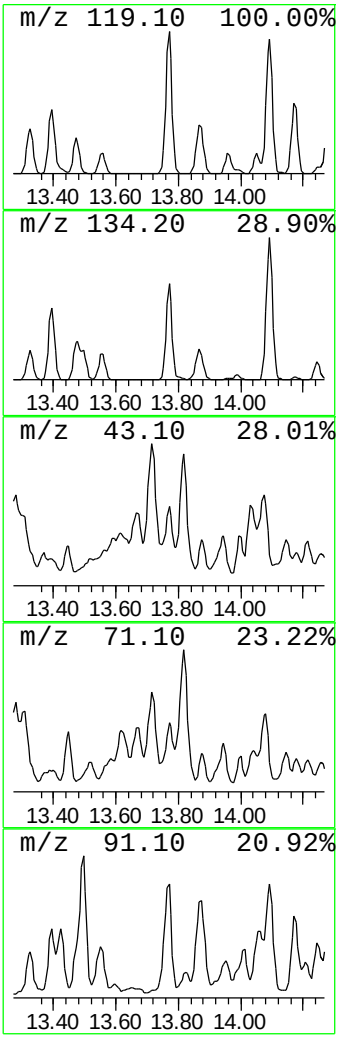
****

Peak Number 56 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	7.35 ug/L	11275300	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

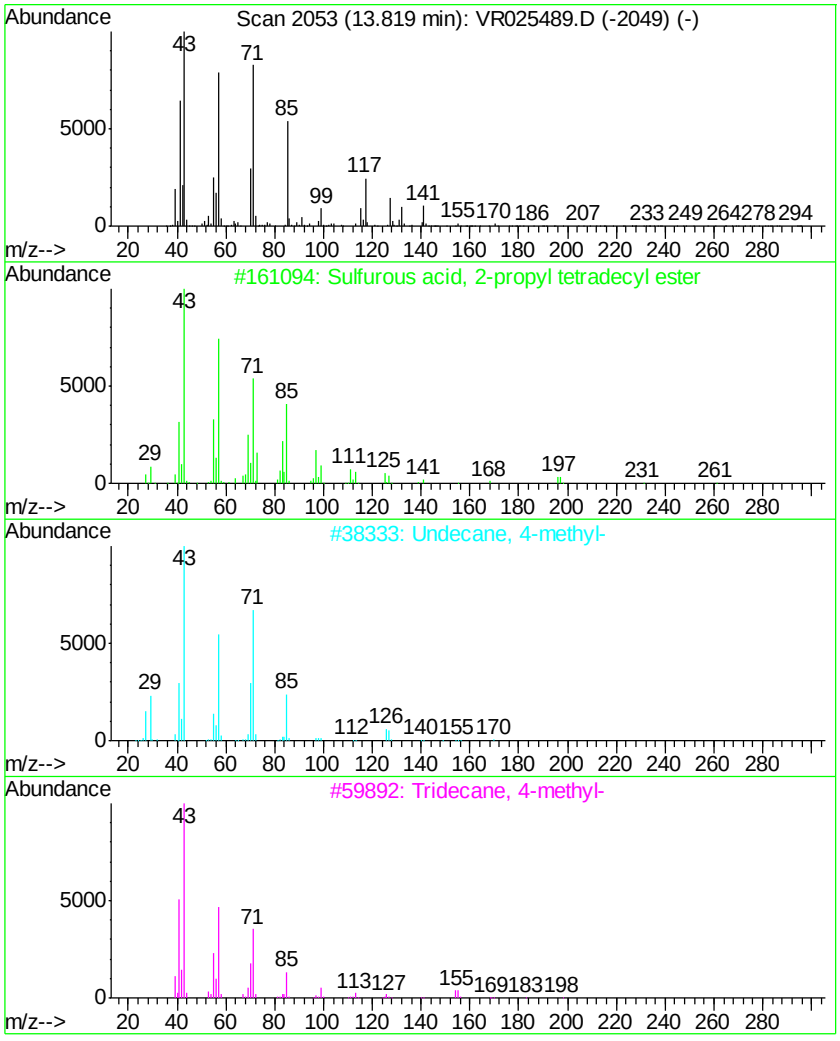
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

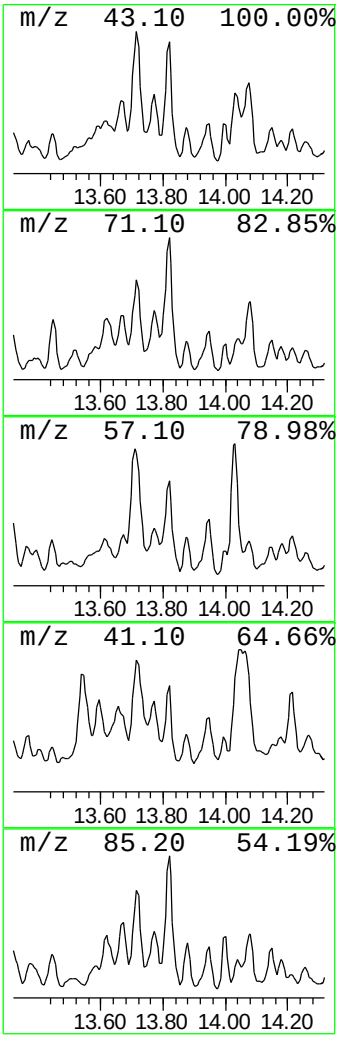
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 Sulfurous acid, 2-propyl te... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	6.13 ug/L	9394630	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	53
2	Undecane, 4-methyl-	170	C12H26	002980-69-0	50
3	Tridecane, 4-methyl-	198	C14H30	026730-12-1	50
4	Nonane, 1-iodo-	254	C9H19I	004282-42-2	50
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

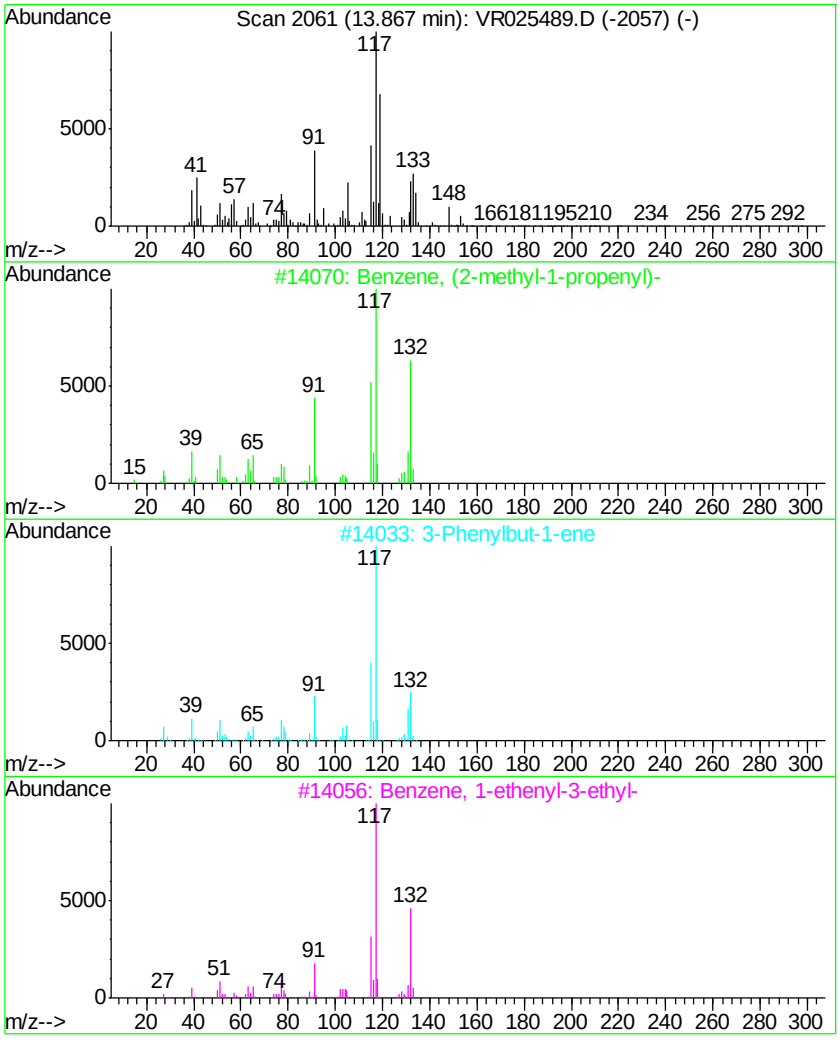
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

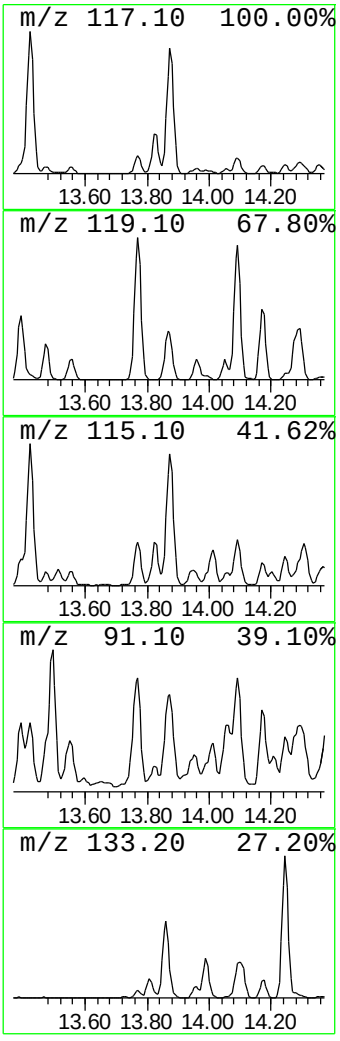
****

Peak Number 58 Benzene, (2-methyl-1-propen... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	5.93 ug/L	9098150	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	64
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

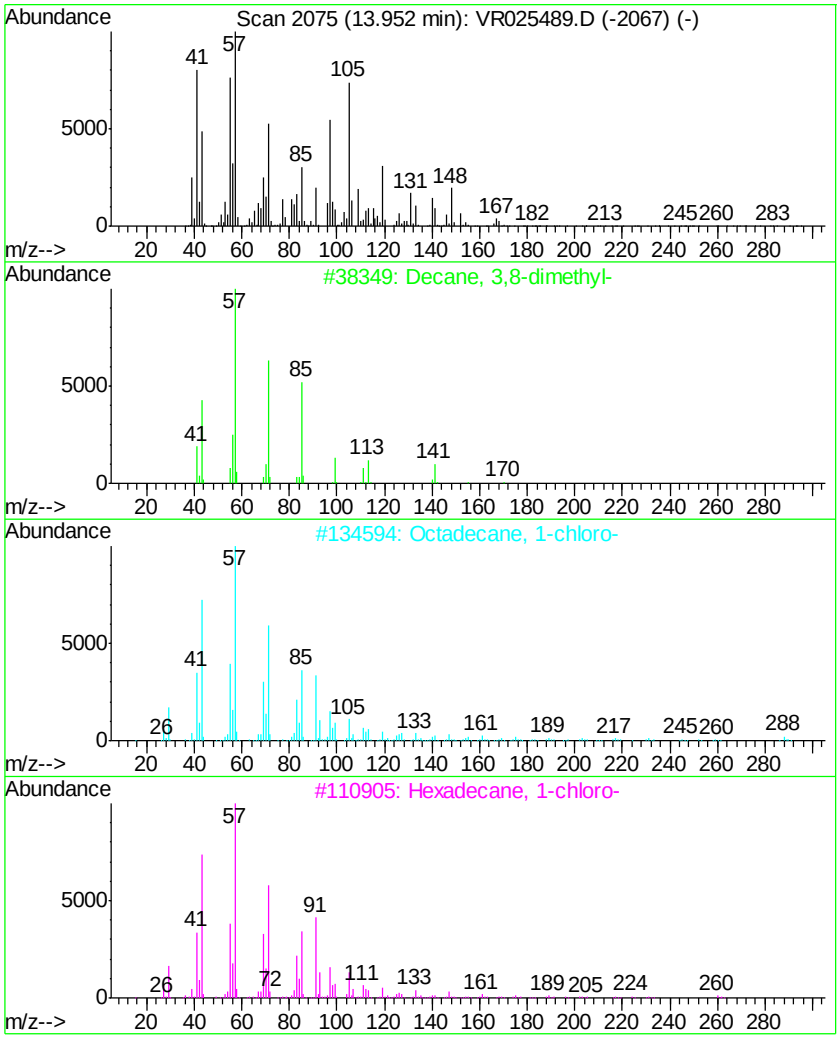
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

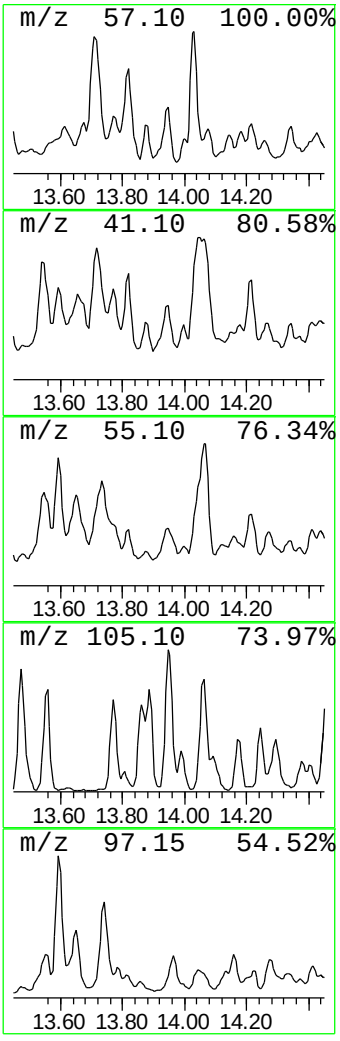
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	7.05 ug/L	10813900	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	46
2	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	43
3	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	43
4	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	43
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

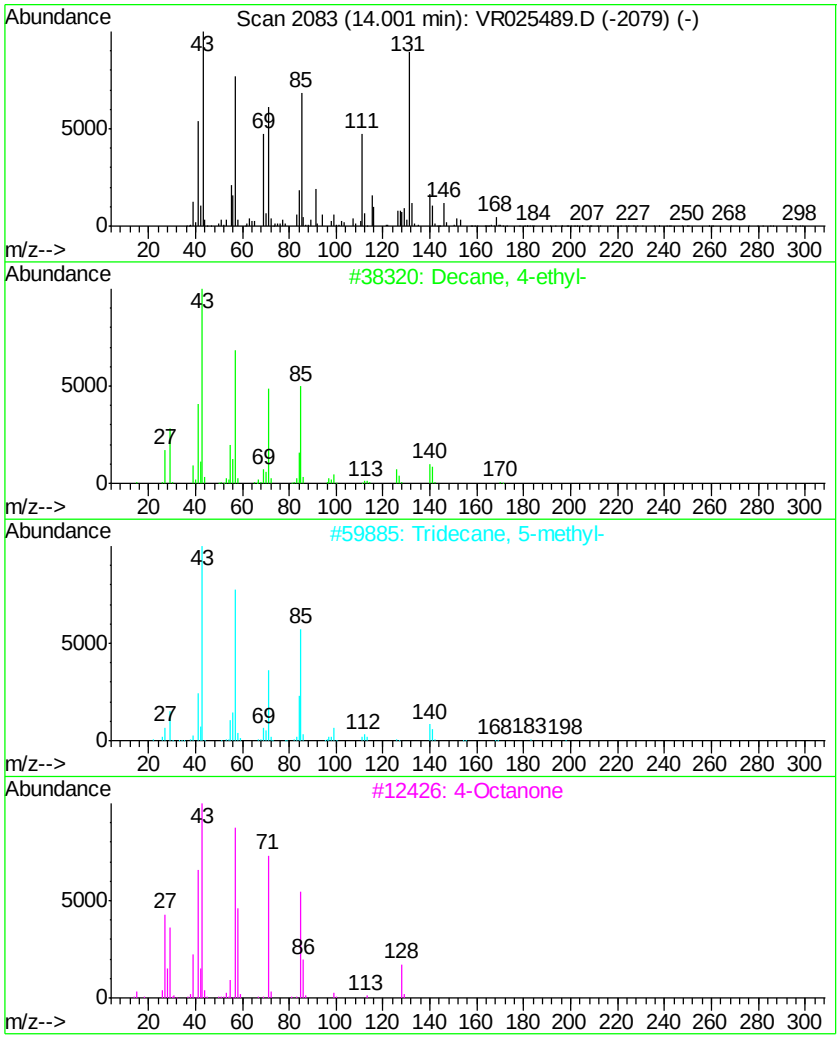
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

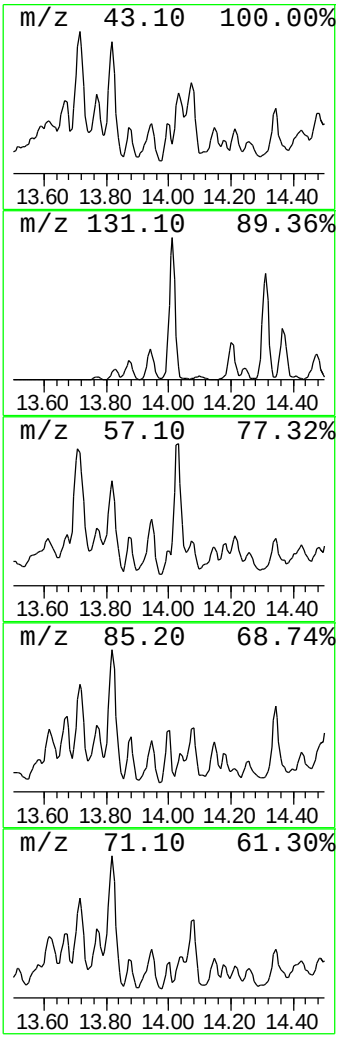
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	2.63 ug/L	4031810	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-ethyl-	170	C12H26	001636-44-8	83
2	Tridecane, 5-methyl-	198	C14H30	025117-31-1	46
3	4-Octanone	128	C8H16O	000589-63-9	43
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	38
5	Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

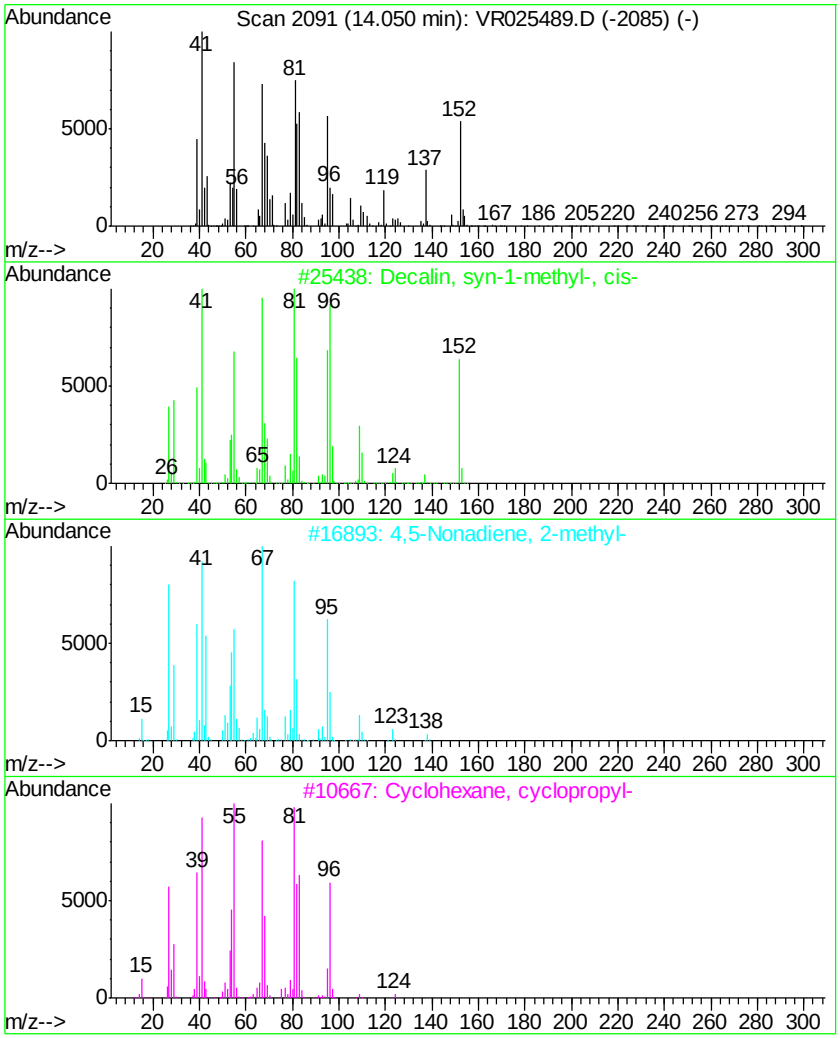
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

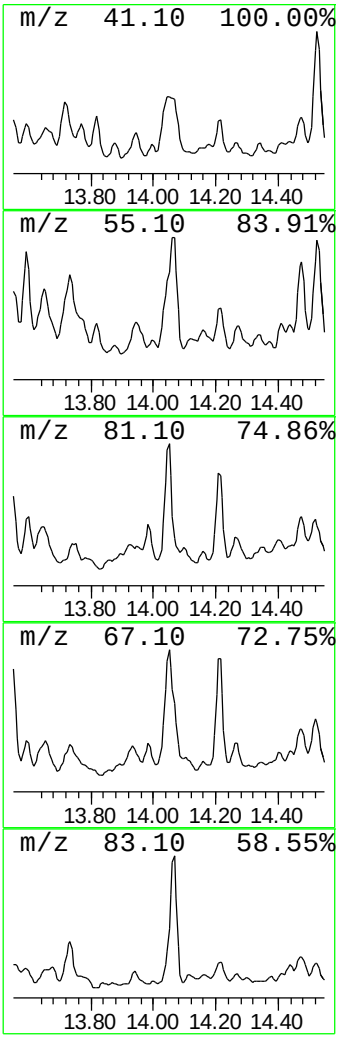
****

Peak Number 61 Decalin, syn-1-methyl-, cis- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	27.90 ug/L	42781800	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	86
2	4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	70
3	Cyclohexane, cyclopropyl-	124	C9H16	032669-86-6	58
4	Cyclopentylcyclohexane	152	C11H20	001606-08-2	55
5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

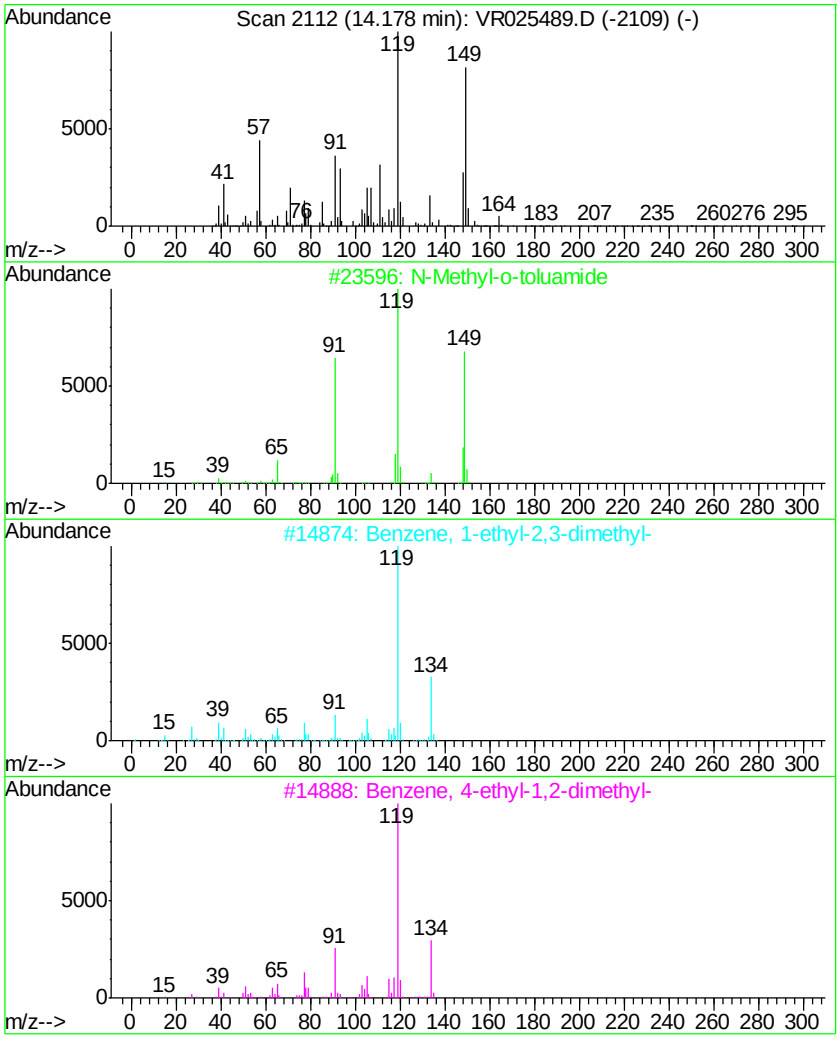
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

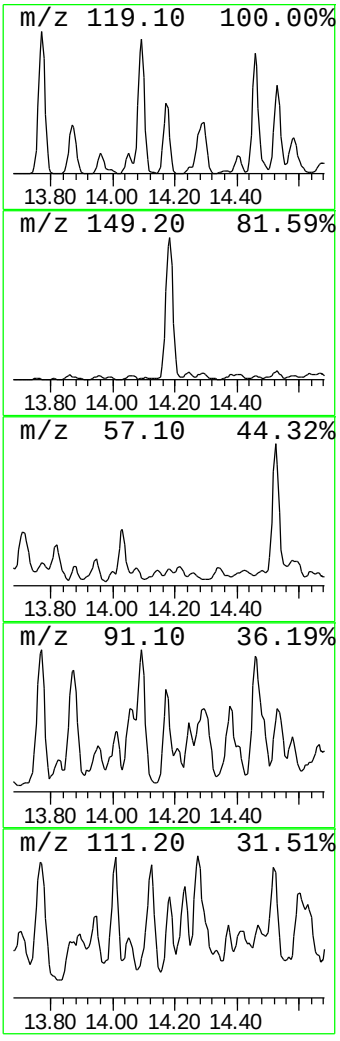
****

Peak Number 62 N-Methyl-o-toluamide Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	1.57 ug/L	2410540	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Methyl-o-toluamide	149	C9H11NO	002170-09-4	52
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	42
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	42
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	42
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

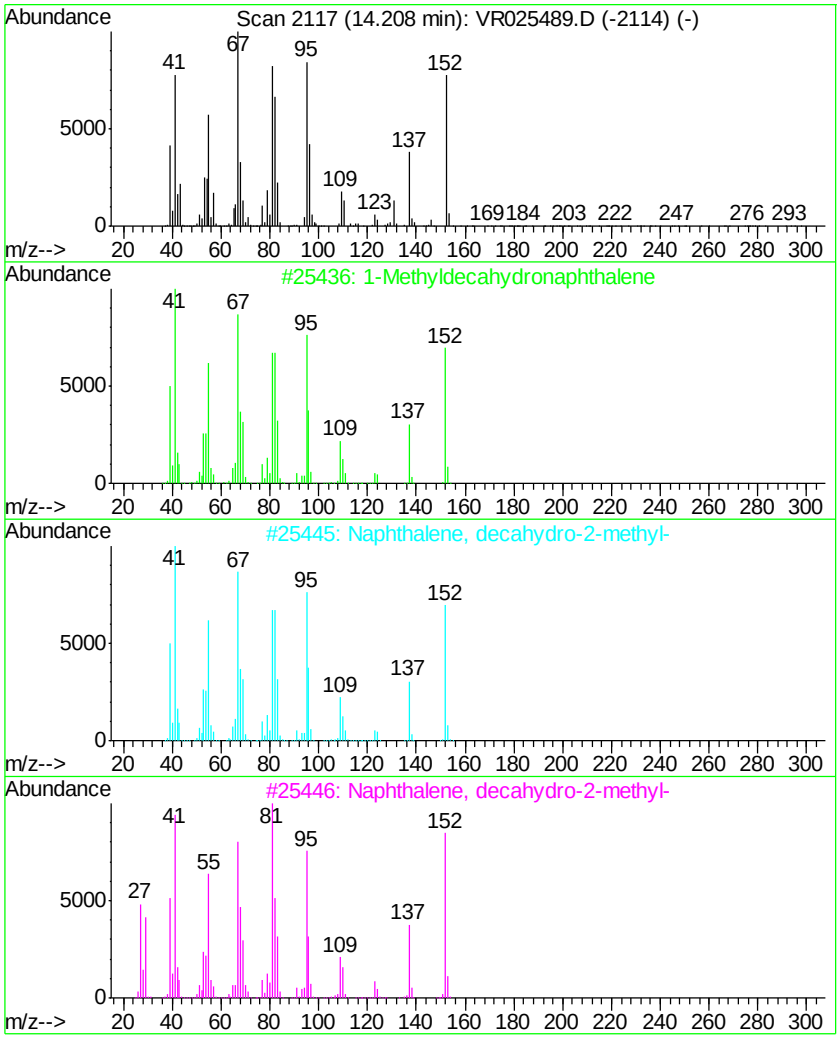
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

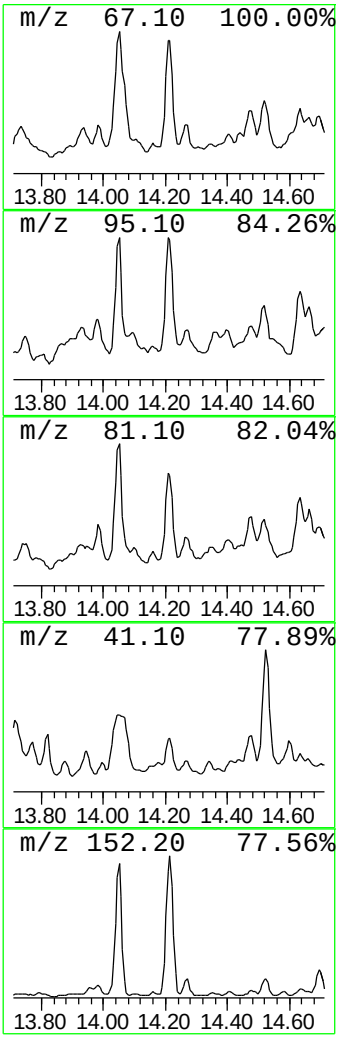
****

Peak Number 63 1-Methyldecahydronaphthalene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	5.71 ug/L	8760020	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	94
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	81
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	68
5	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

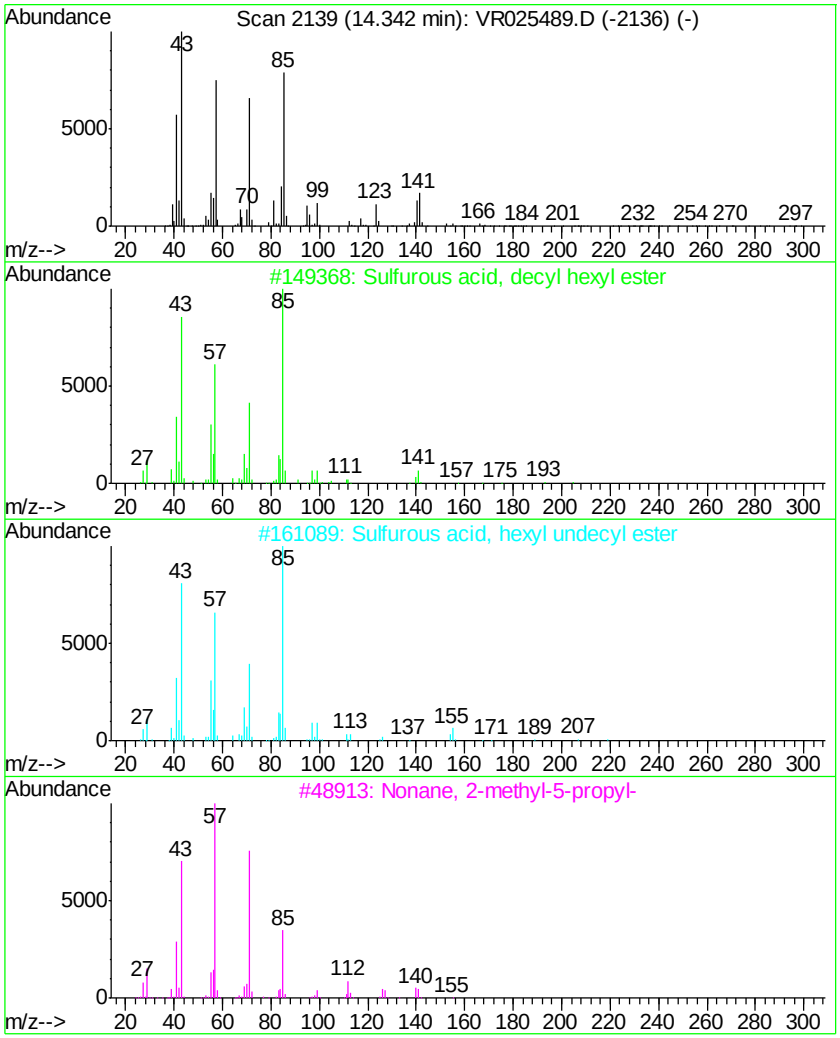
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

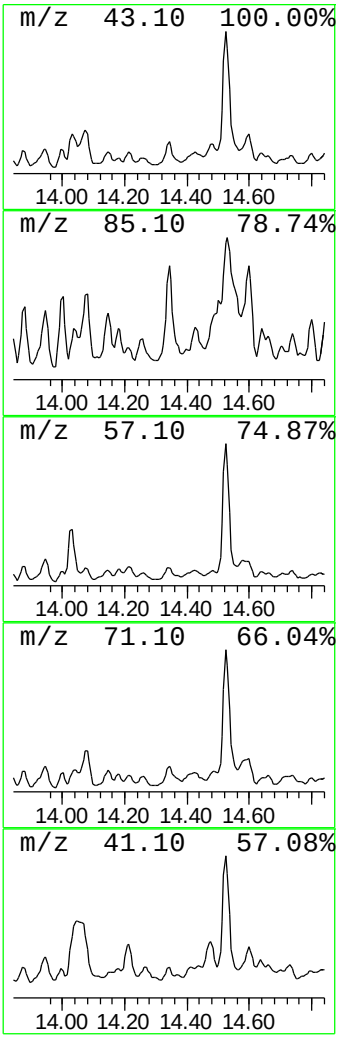
****

Peak Number 64 Sulfurous acid, decyl hexyl... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	1.60 ug/L	2459650	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, decyl hexyl ester	306	C16H34O3S	1000309-13-2	50
2	Sulfurous acid, hexyl undecyl ester	320	C17H36O3S	1000309-13-3	47
3	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	47
4	Sulfurous acid, dodecyl hexyl ester	334	C18H38O3S	1000309-13-4	47
5	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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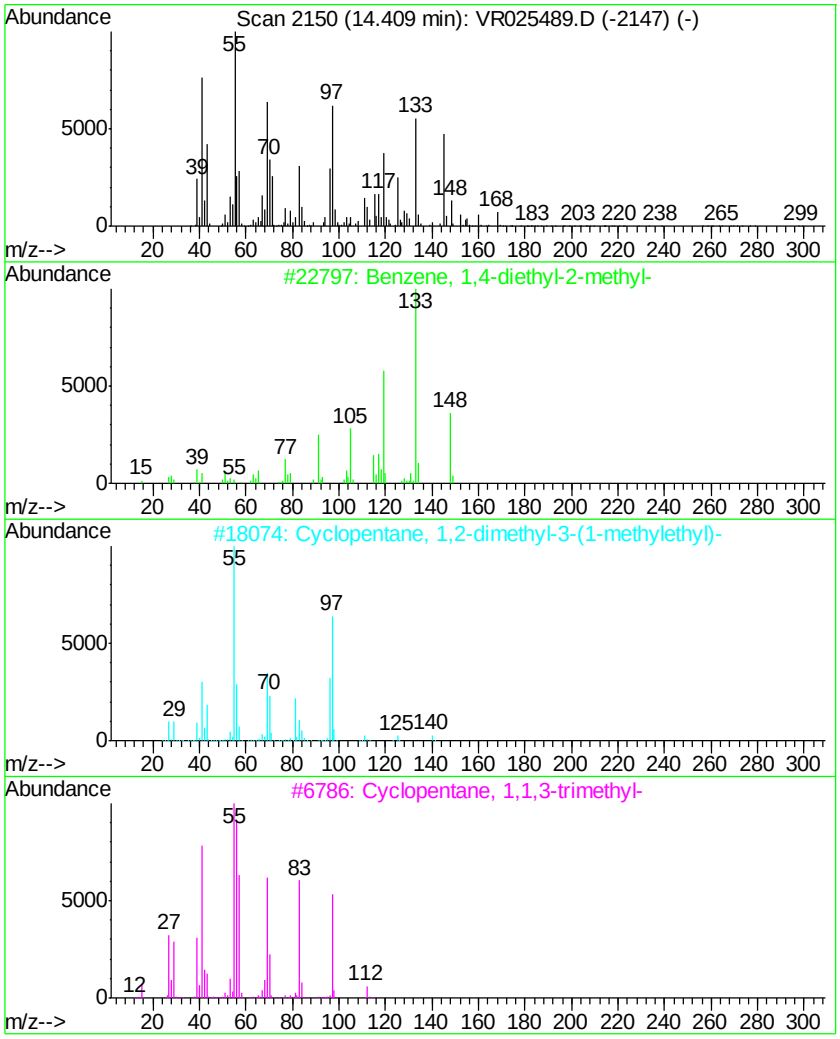
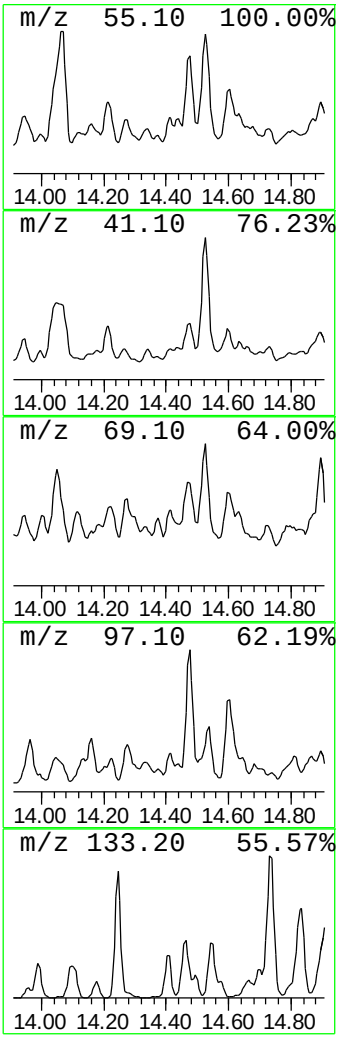
Peak Number 65 unknown-04 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	2.60 ug/L	3980830	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	25
2	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	18
3	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	15
4	Carbonic acid, neopentyl cyclohe...	228	C13H24O3	1000357-85-8	14
5	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	11





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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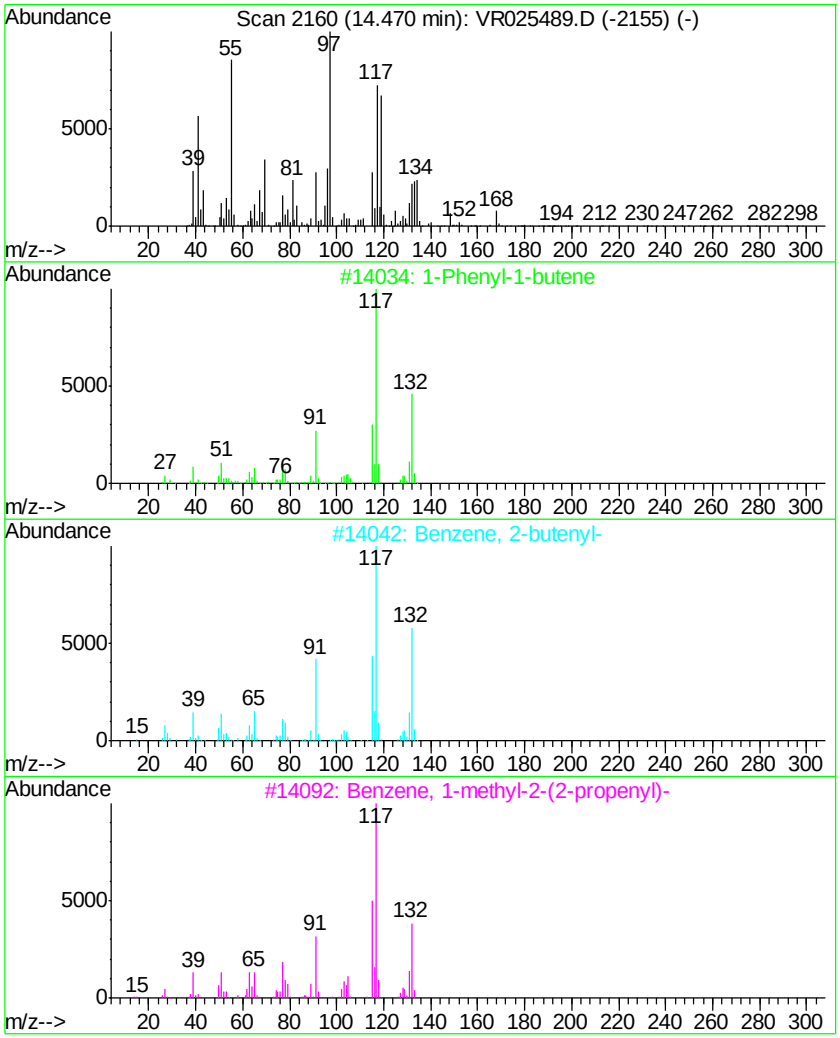
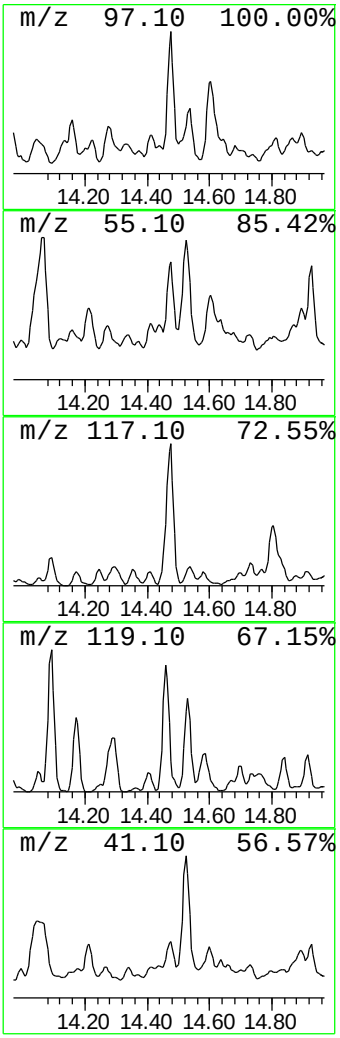
Peak Number 66 1-Phenyl-1-butene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	11.50 ug/L	17637000	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	76
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	74
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	47
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

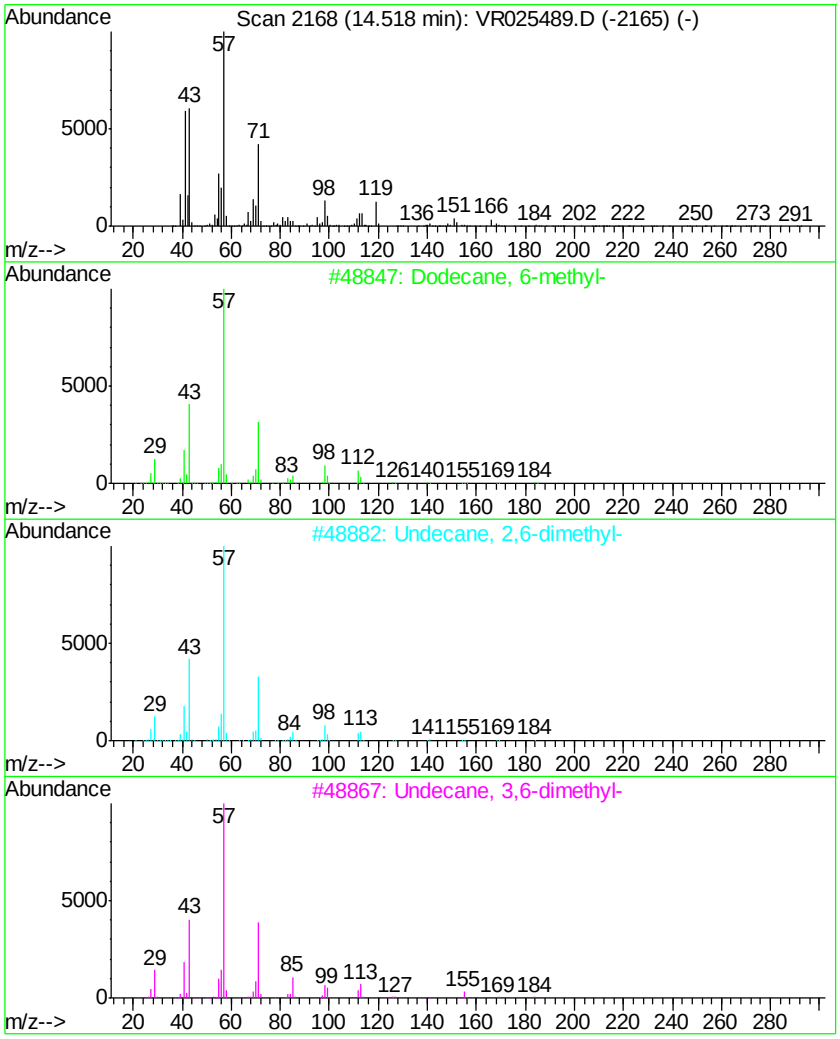
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

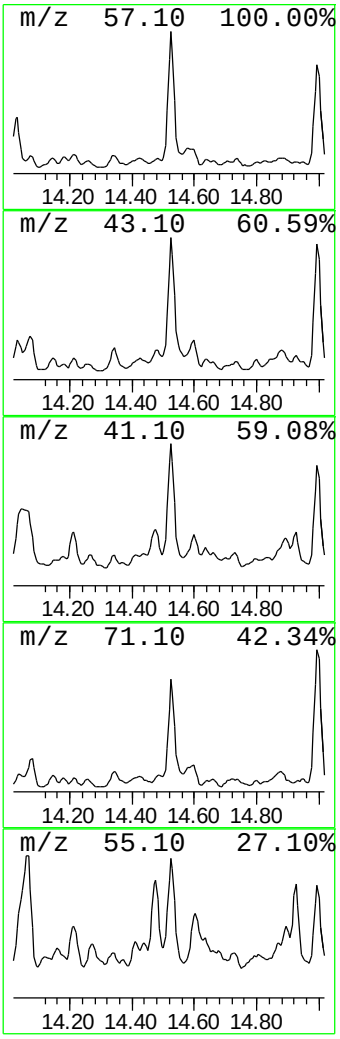
****

Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	20.88 ug/L	32010900	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	60
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	59
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	58
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

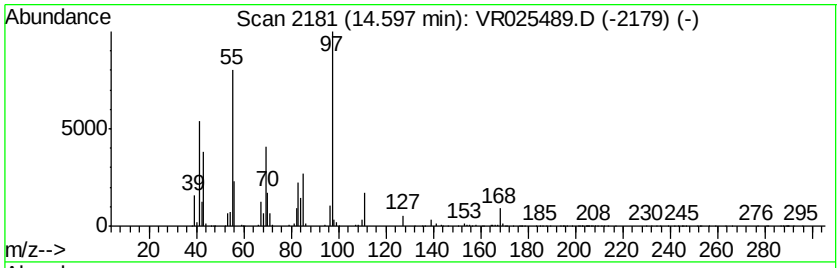
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

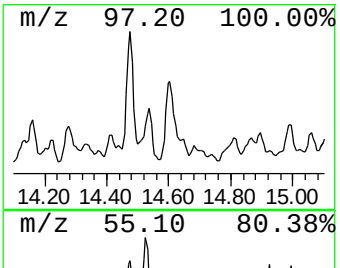
****

Peak Number 68 (DEL) Alkane: Cyclic14.60 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	2.26 ug/L	3470620	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecene	168	C12H24	000112-41-4	38
2	Cyclopropane, nonyl-	168	C12H24	074663-85-7	35
3	1-Dodecene	168	C12H24	000112-41-4	27
4	Cycloheptane, methyl-	112	C8H16	004126-78-7	27
5	5-Dodecene, (E)-	168	C12H24	007206-16-8	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

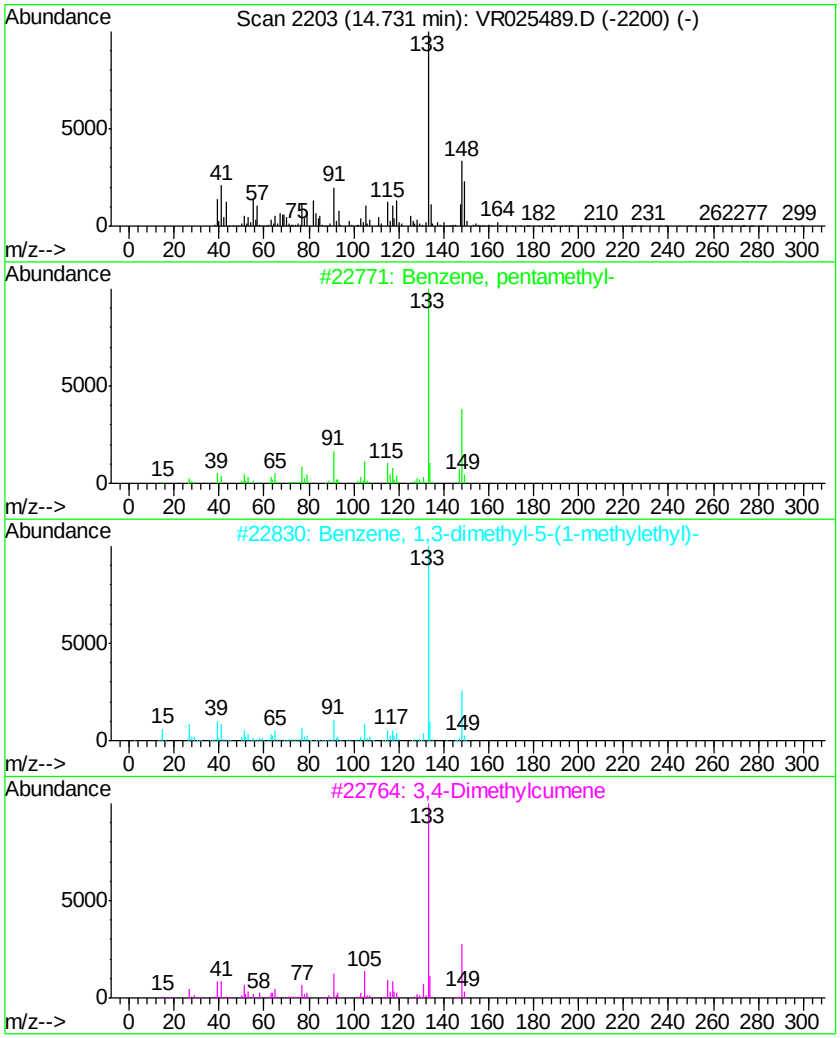
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

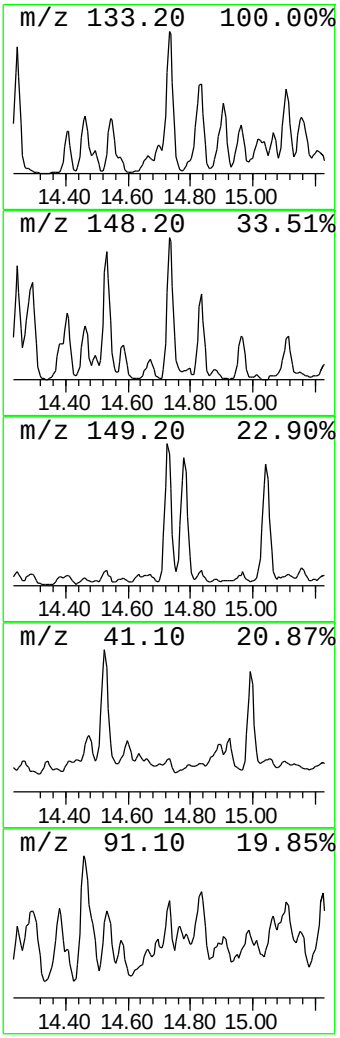
****

Peak Number 69 Benzene, pentamethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	3.82 ug/L	5851770	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	81
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	76
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	68
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	68
5	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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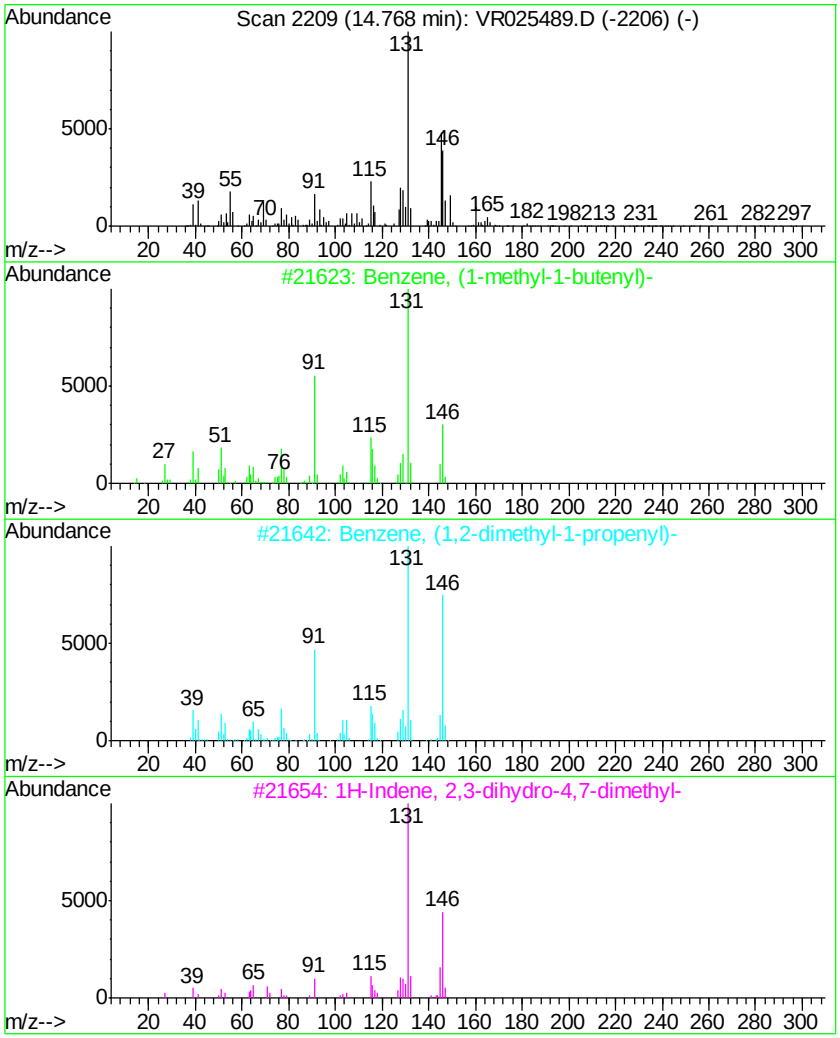
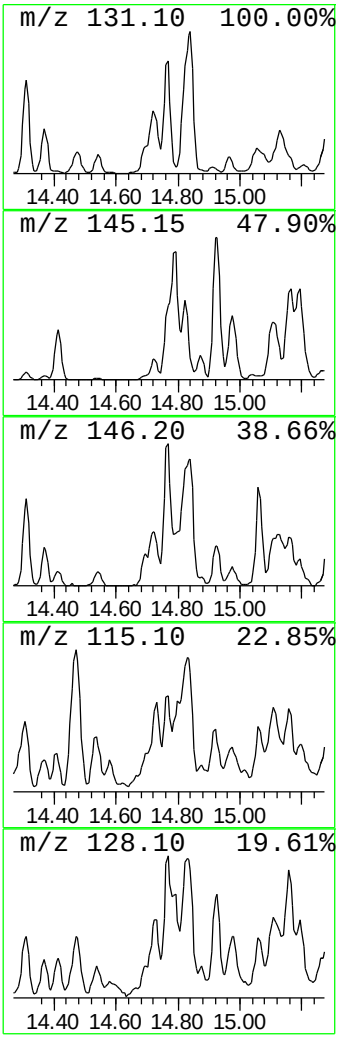
Peak Number 70 Benzene, (1-methyl-1-butenyl)- Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	1.61 ug/L	2473890	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	58
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	52
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	52
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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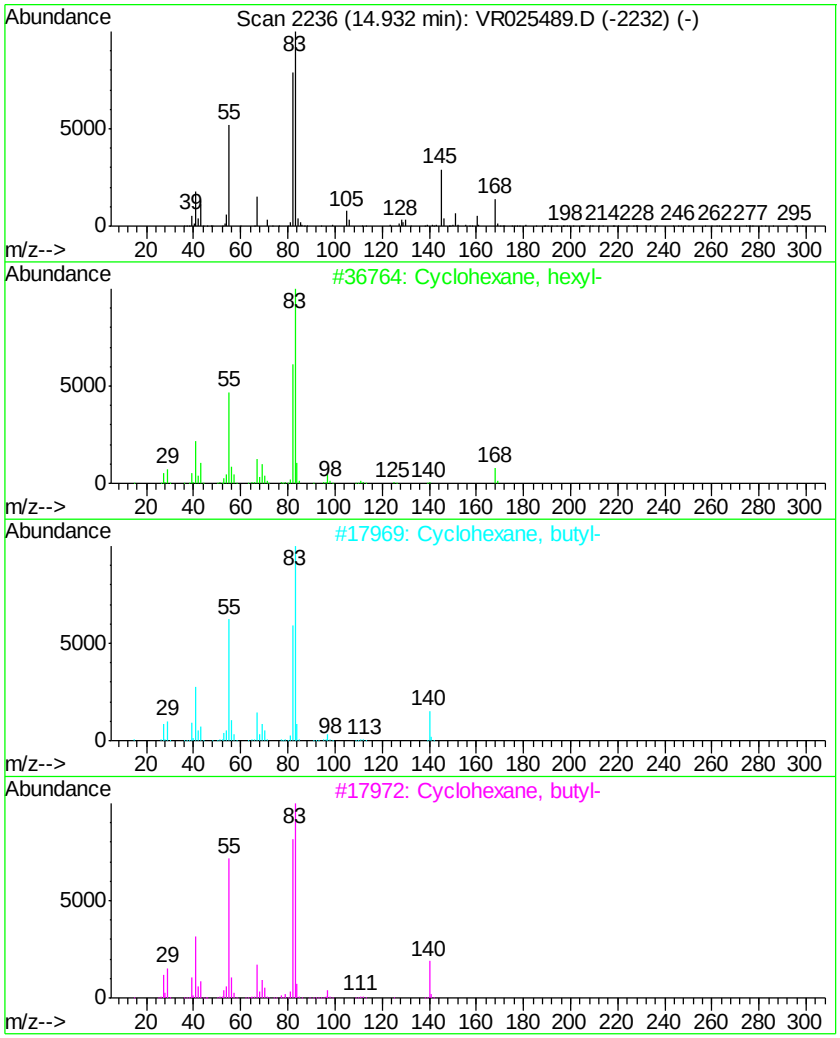
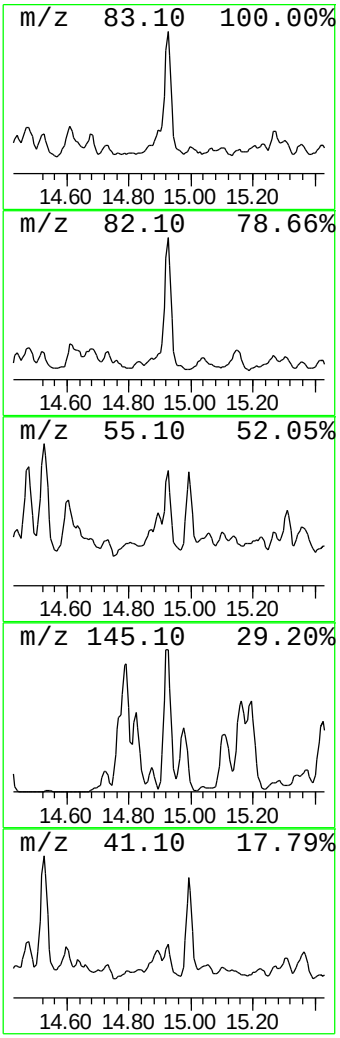
Peak Number 71 (DEL) Alkane: Cyclic14.93 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	5.19 ug/L	7963650	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	59
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	53
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	53
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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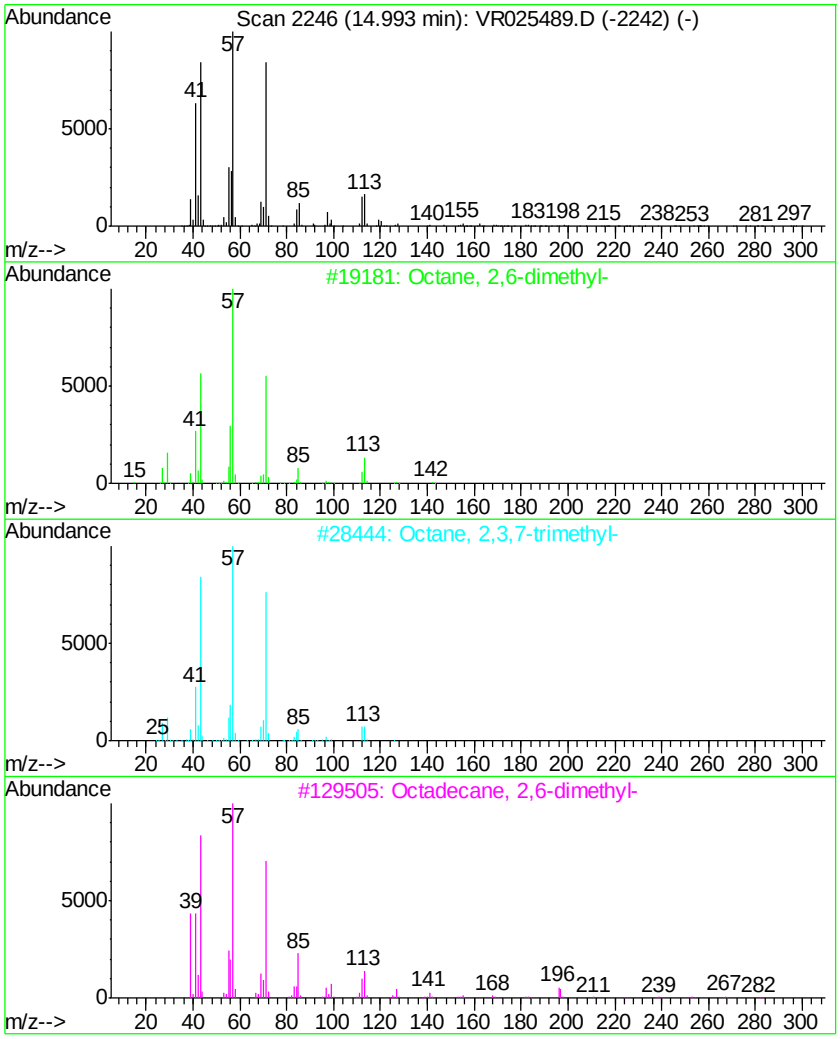
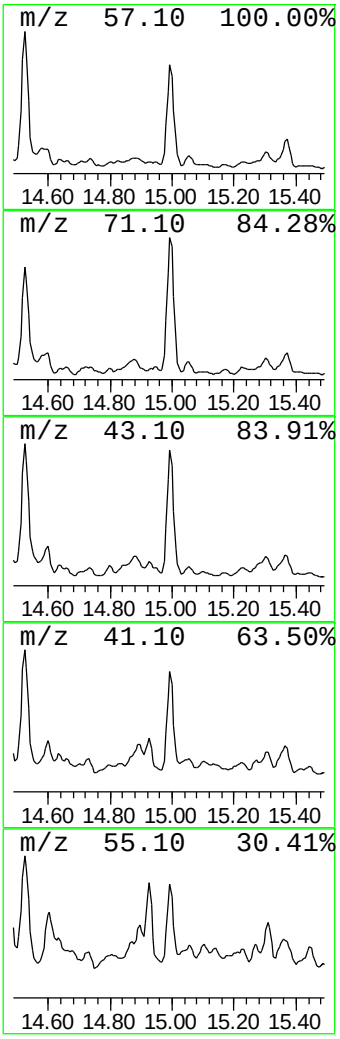
Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	14.57 ug/L	22340400	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	78
3	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	78
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
5	Decane, 4-methyl-	156	C11H24	002847-72-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

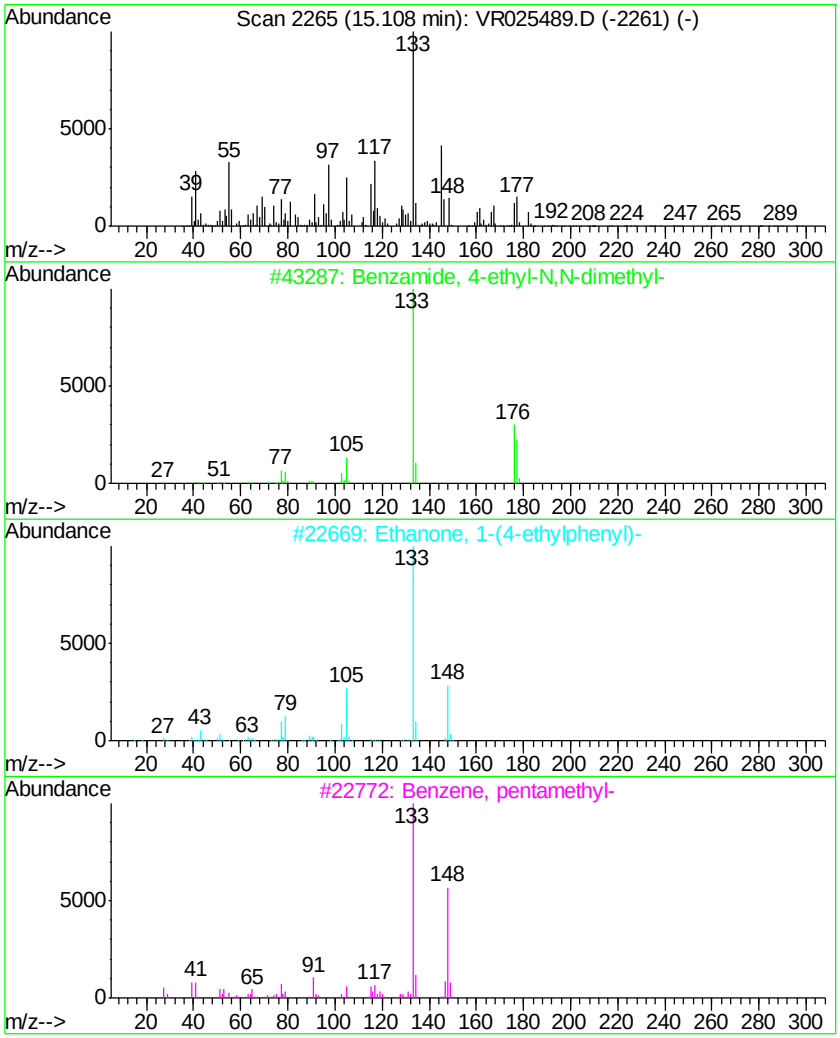
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

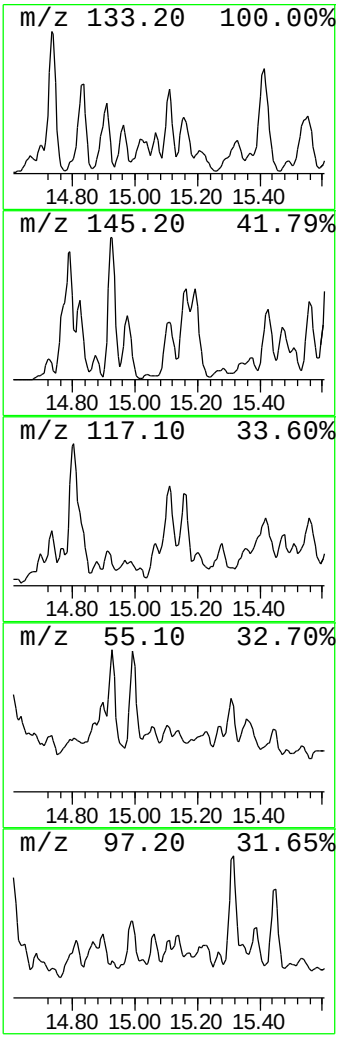
****

Peak Number 73 unknown-05 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	3.05 ug/L	4683090	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, 4-ethyl-N,N-dimethyl-	177	C11H15NO	1000340-34-4	38
2	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	38
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	35
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	30
5	1-Propanone, 1-(2,4-dimethylphen...	176	C12H16O	023351-72-6	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

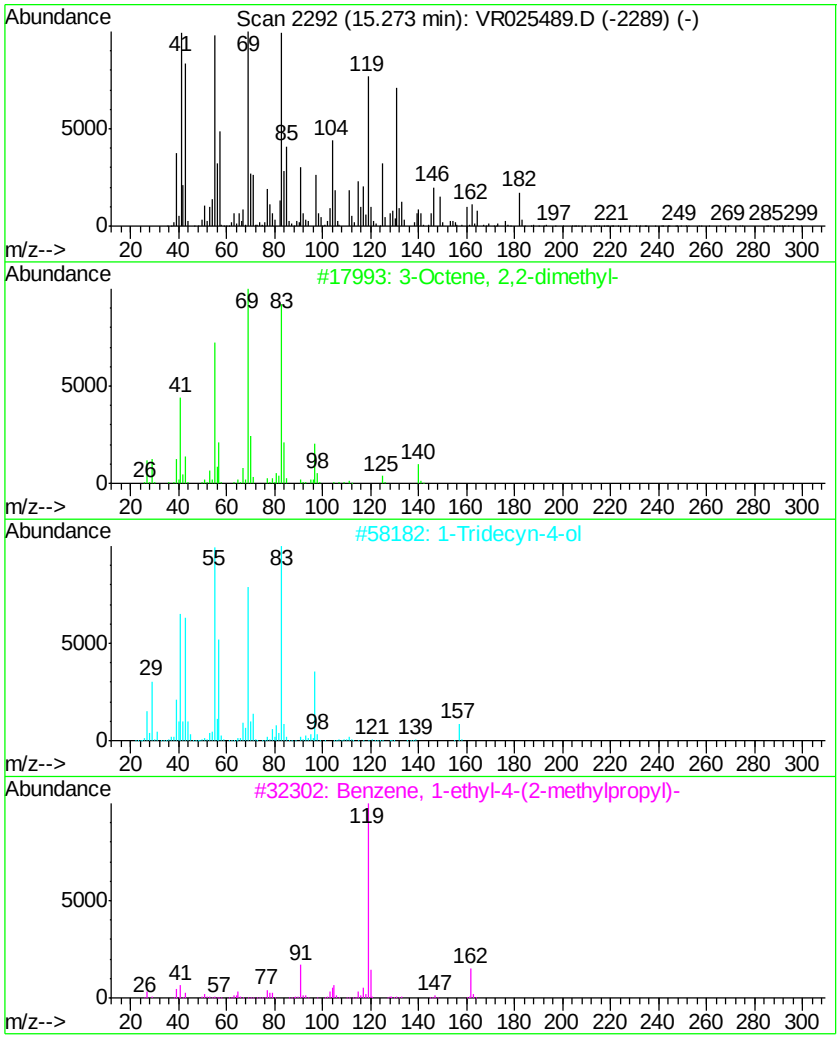
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

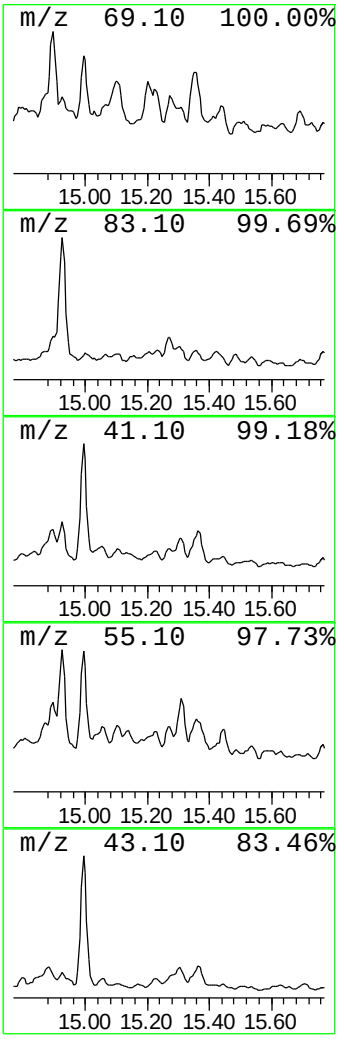
****

Peak Number 74 (DEL) Alkane: Cyclic15.27 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	2.02 ug/L	3104340	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	42
2	1-Tridecyn-4-ol	196	C13H24O	074646-37-0	27
3	Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	11
4	Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	11
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	10





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

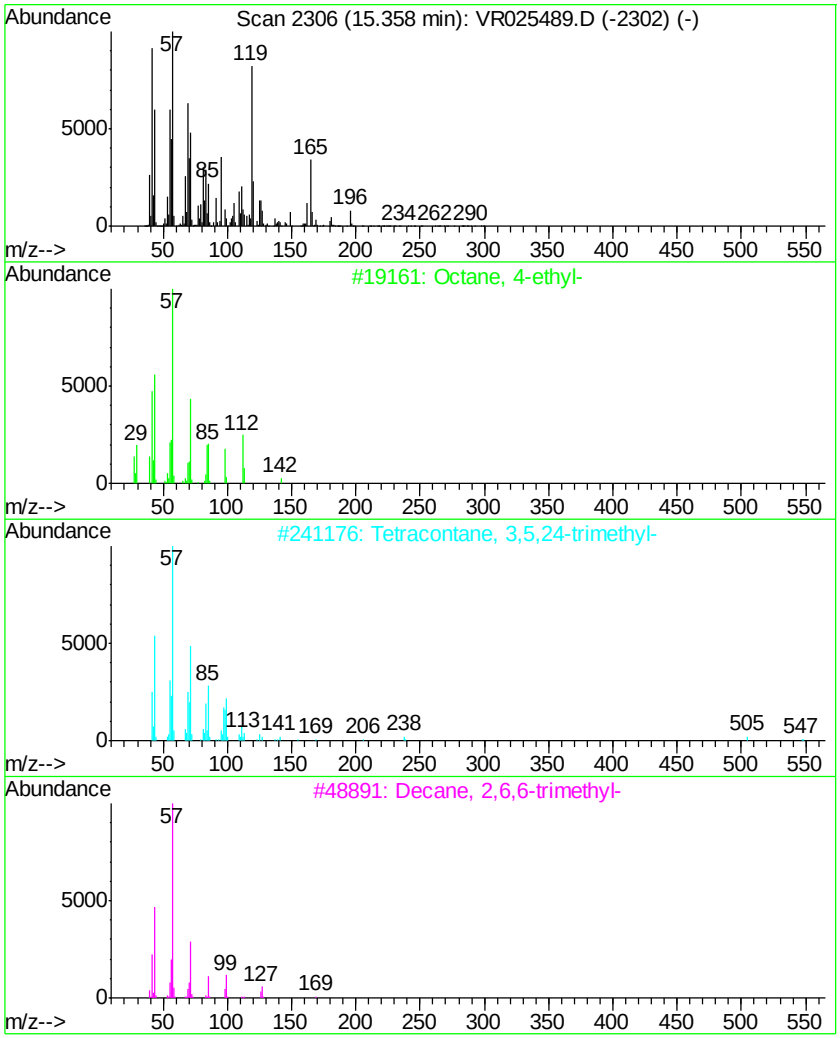
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

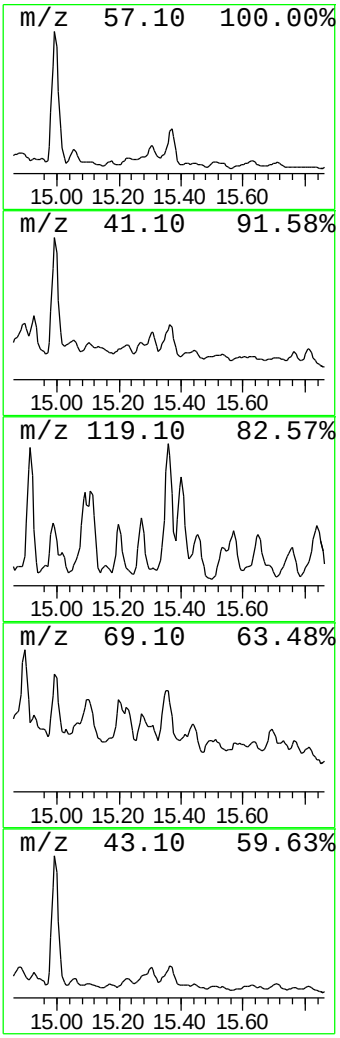
****

Peak Number 75 (DEL) Alkane: Cyclic15.36 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	6.28 ug/L	9621460	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-ethyl-	142	C10H22	015869-86-0	27
2	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	27
3	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	22
4	Decane, 3-methyl-	156	C11H24	013151-34-3	22
5	Hexadecane	226	C16H34	000544-76-3	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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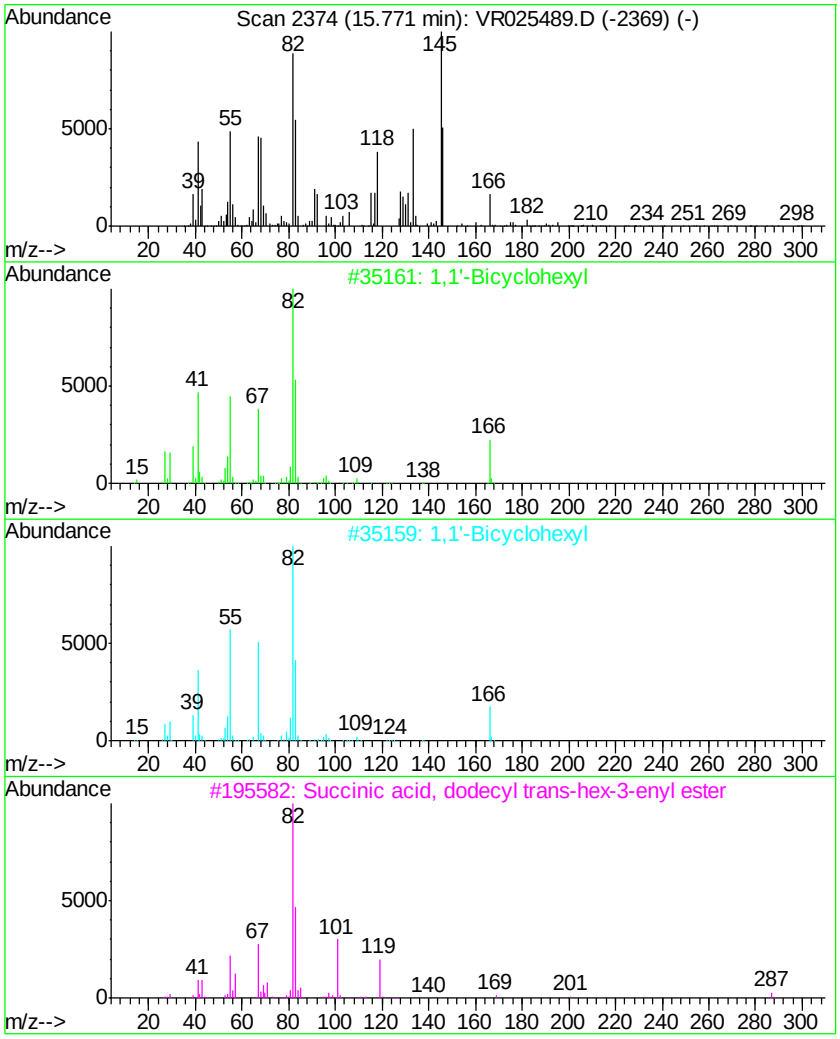
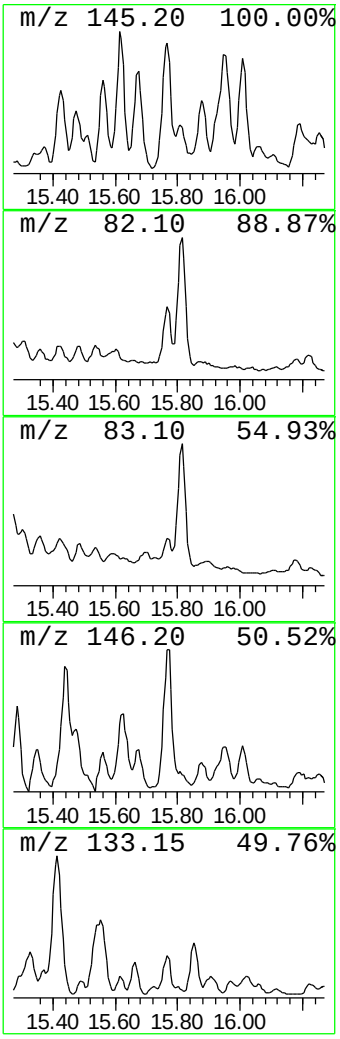
Peak Number 76 unknown-06 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	3.39 ug/L	5192200	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	30
2	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	27
3	Succinic acid, dodecyl trans-hex...	368	C22H40O4	1000353-43-5	27
4	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	25
5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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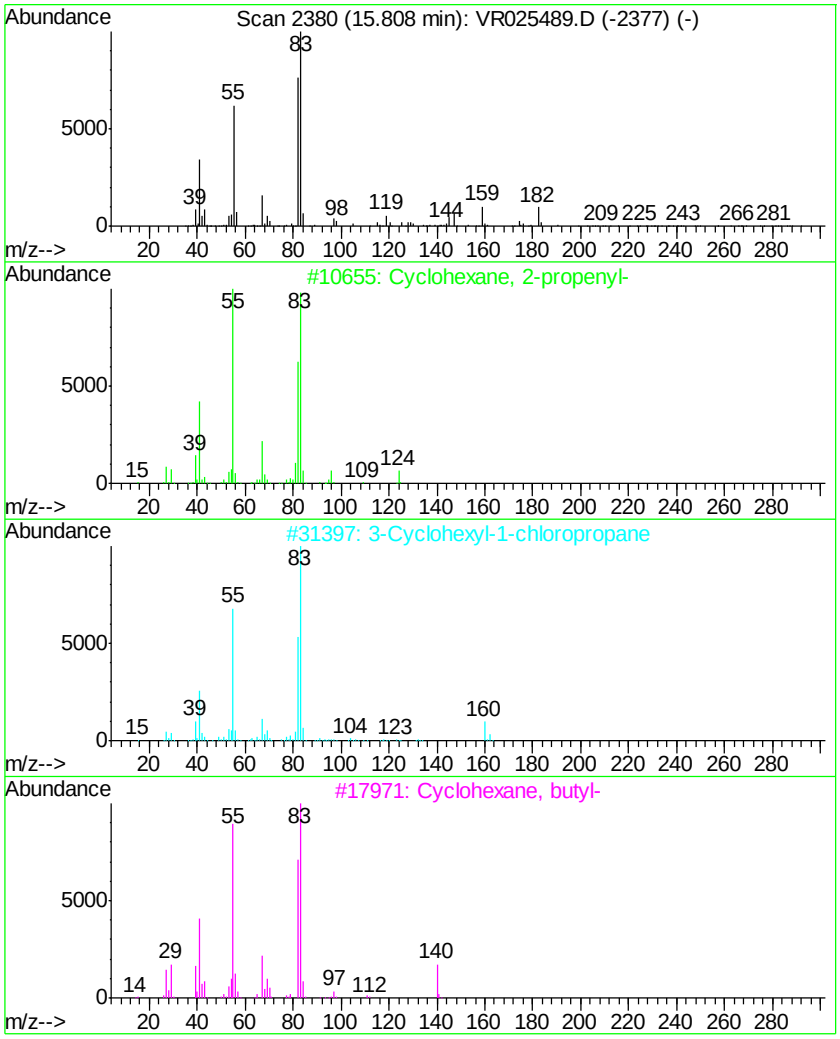
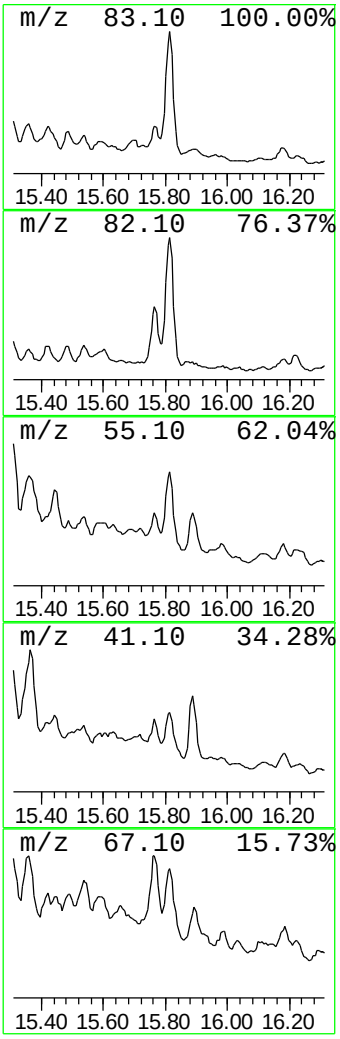
Peak Number 77 Cyclohexane, 2-propenyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	3.96 ug/L	6071340	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64
2	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	64
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

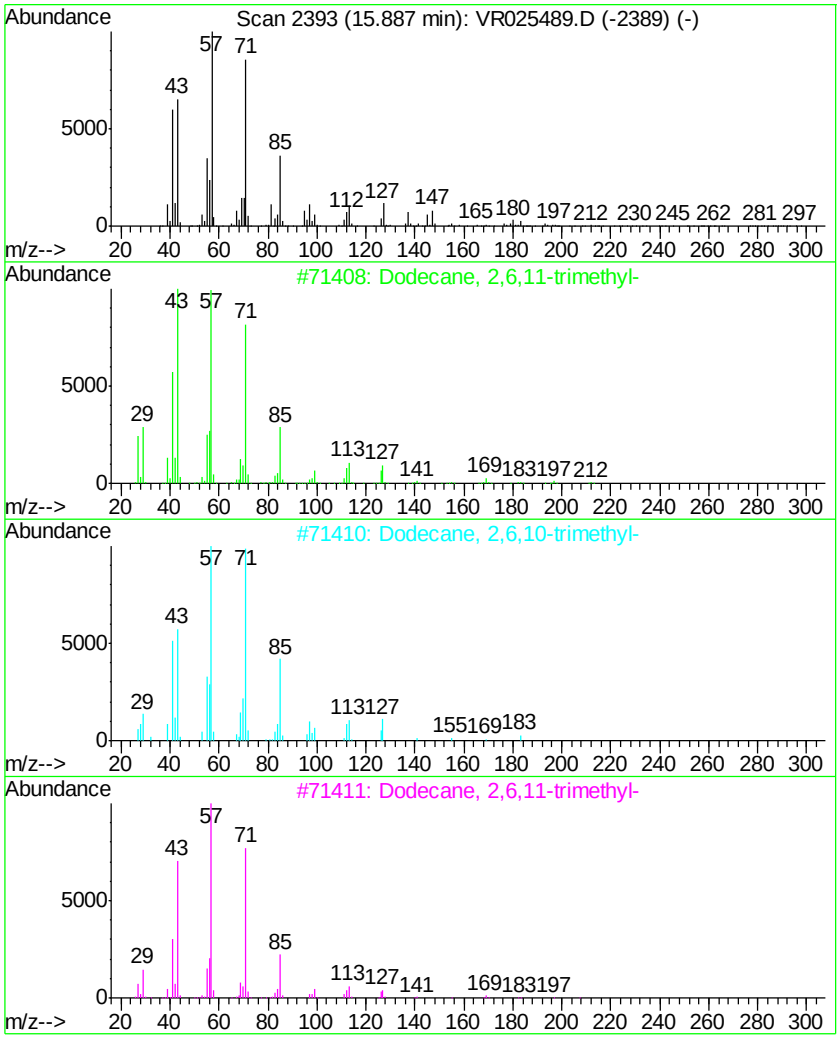
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

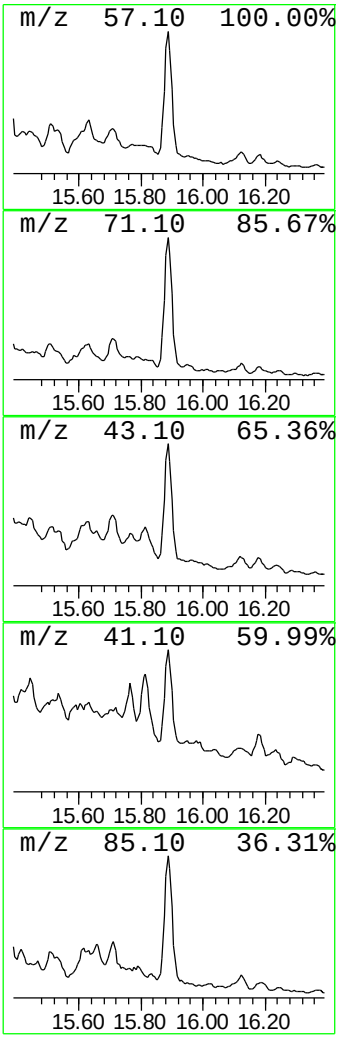
****

Peak Number 78 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	4.08 ug/L	6254490	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	93
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
4	1-Undecene, 4-methyl-	168	C12H24	074630-39-0	72
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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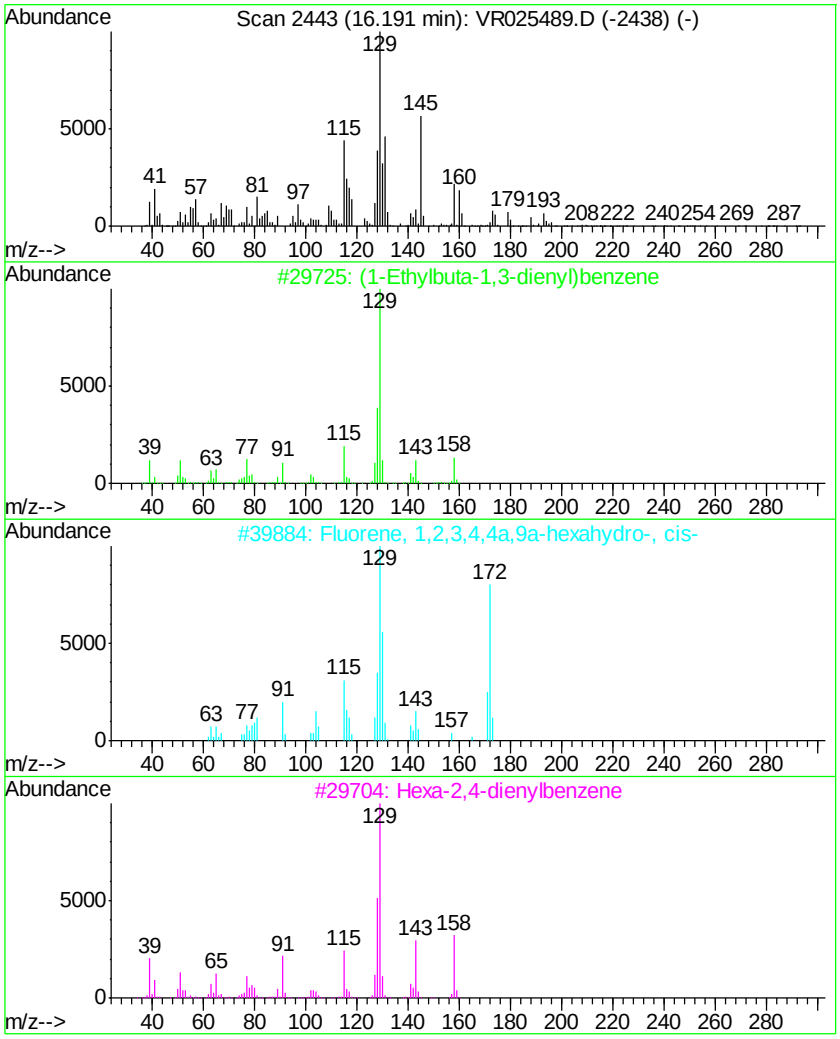
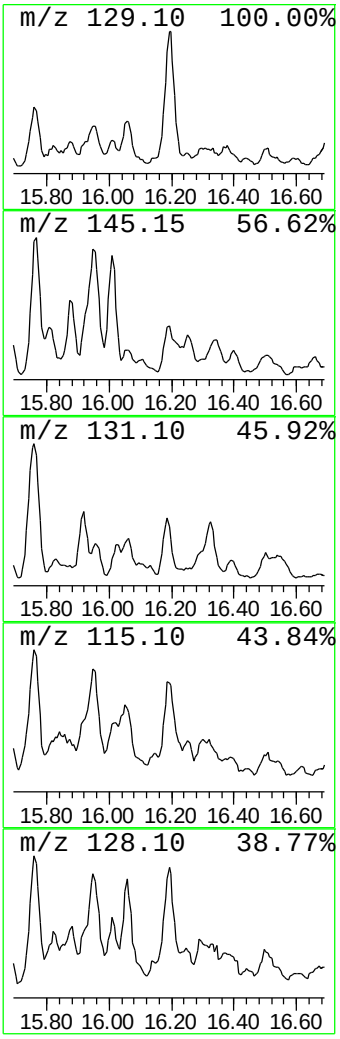
Peak Number 79 unknown-07 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	1.78 ug/L	2724810	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Ethylbuta-1,3-dienyl)benzene	158	C12H14	1000210-05-6	38
2	Fluorene, 1,2,3,4,4a,9a-hexahydr...	172	C13H16	001559-97-3	30
3	Hexa-2,4-dienylbenzene	158	C12H14	079482-86-3	25
4	1,4-Methanonaphthalen-9-ol, 1,4-...	158	C11H10O	004796-33-2	14
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	160	C12H16	078920-29-3	14





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

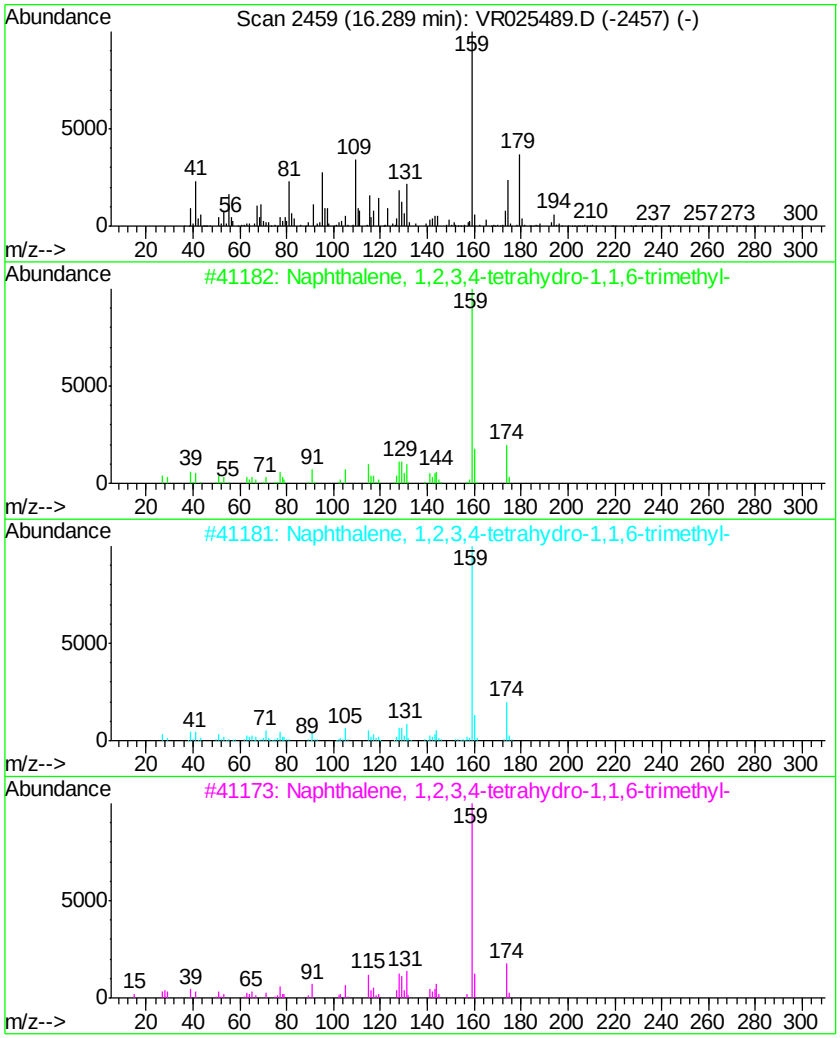
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

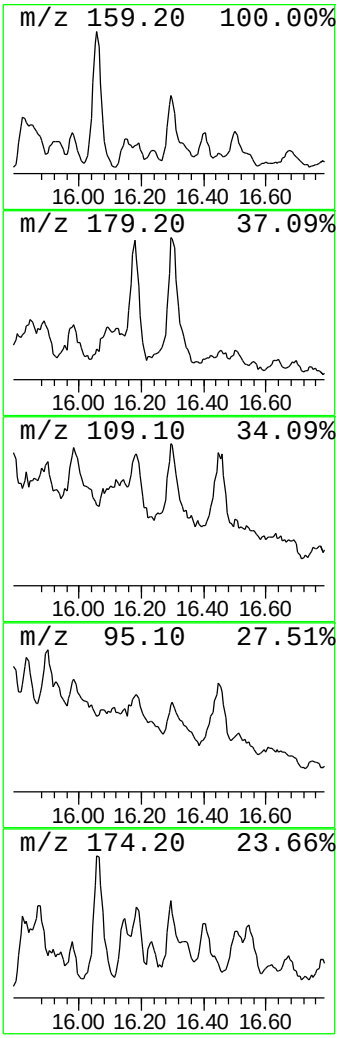
****

Peak Number 80 unknown-08 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	3.21 ug/L	4928470	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	42
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	42
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	42
4	5',6',7',8'-Tetrahydro-2'-aceton...	174	C12H14O	000774-55-0	41
5	1H-Indene, 2,3-dihydro-1,1,4,6-t...	174	C13H18	000941-60-6	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
Data File : VR025489.D
Acq On : 17 Jul 2018 12:07
Operator : SY/MD
Sample : J4002-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	4.42	3.7	ug/L	11251200	1	8.46	15121100	5.0
(DEL) Alkane: Str...	4.90	6.3	ug/L	19094900	1	8.46	15121100	5.0
(DEL) Alkane: Str...	6.23	1.9	ug/L	5591800	1	8.46	15121100	5.0
(DEL) Alkane: Str...	6.39	10.6	ug/L	32187500	1	8.46	15121100	5.0
(DEL) Alkane: Cyc...	6.47	4.6	ug/L	13780400	1	8.46	15121100	5.0
(DEL) Alkane: Str...	6.69	1.1	ug/L	3362920	1	8.46	15121100	5.0
(DEL) Alkane: Str...	7.27	2.4	ug/L	7233890	1	8.46	15121100	5.0
(DEL) Alkane: Str...	7.63	15.4	ug/L	46585000	1	8.46	15121100	5.0
(DEL) Alkane: Str...	7.75	1.0	ug/L	3046020	1	8.46	15121100	5.0
(DEL) Alkane: Cyc...	8.03	4.9	ug/L	14751400	1	8.46	15121100	5.0
(DEL) Alkane: Cyc...	8.13	65.5	ug/L	198016000	1	8.46	15121100	5.0
(DEL) Alkane: Cyc...	8.20	5.0	ug/L	15121100	1	8.46	15121100	5.0
(DEL) Alkane: Str...	8.79	1.0	ug/L	2888170	1	8.46	15121100	5.0
(DEL) Alkane: Str...	9.04	17.4	ug/L	52468500	1	8.46	15121100	5.0
(DEL) Alkane: Str...	9.12	8.1	ug/L	24487600	1	8.46	15121100	5.0
(DEL) Alkane: Cyc...	9.25	4.1	ug/L	12285200	1	8.46	15121100	5.0
n-Butyric acid 2-...	9.43	49.2	ug/L	148843000	1	8.46	15121100	5.0
(DEL) Alkane: Str...	9.56	53.4	ug/L	161343000	1	8.46	15121100	5.0
(DEL) Alkane: Str...	9.74	5.5	ug/L	16634400	1	8.46	15121100	5.0
(DEL) Alkane: Str...	9.79	2.5	ug/L	7512190	1	8.46	15121100	5.0
(DEL) Alkane: Cyc...	10.15	2.8	ug/L	12722500	2	11.29	22789200	5.0
(DEL) Alkane: Cyc...	10.32	4.0	ug/L	18249600	2	11.29	22789200	5.0
(DEL) Alkane: Str...	10.45	6.5	ug/L	29837800	2	11.29	22789200	5.0
(DEL) Alkane: Str...	10.52	1.4	ug/L	6166240	2	11.29	22789200	5.0
(DEL) Alkane: Str...	10.71	2.6	ug/L	12022000	2	11.29	22789200	5.0
(DEL) Alkane: Cyc...	10.84	3.2	ug/L	14522600	2	11.29	22789200	5.0
(DEL) Alkane: Cyc...	10.90	3.1	ug/L	14369500	2	11.29	22789200	5.0
(DEL) Alkane: Str...	11.01	2.0	ug/L	8920360	2	11.29	22789200	5.0
(DEL) Alkane: Cyc...	11.10	2.7	ug/L	12131000	2	11.29	22789200	5.0
(DEL) Alkane: Str...	11.37	5.3	ug/L	24021000	2	11.29	22789200	5.0
(DEL) Alkane: Str...	11.55	7.1	ug/L	32548100	2	11.29	22789200	5.0
unknown-01	11.70	0.9	ug/L	4281220	2	11.29	22789200	5.0
(DEL) Alkane: Str...	11.74	1.8	ug/L	8008920	2	11.29	22789200	5.0
Sulfurous acid, c...	11.81	2.9	ug/L	13121600	2	11.29	22789200	5.0
(DEL) Alkane: Str...	11.93	2.6	ug/L	11697800	2	11.29	22789200	5.0
7-Methyl-8-oxabic...	12.01	2.1	ug/L	9674120	2	11.29	22789200	5.0
unknown-02	12.04	2.3	ug/L	10271400	2	11.29	22789200	5.0
(DEL) Alkane: Str...	12.22	1.1	ug/L	5012890	2	11.29	22789200	5.0
(DEL) Alkane: Str...	12.27	22.0	ug/L	33697900	3	13.22	7666450	5.0
(DEL) Alkane: Cyc...	12.44	21.0	ug/L	32167000	3	13.22	7666450	5.0
(DEL) Alkane: Cyc...	12.53	6.2	ug/L	9530900	3	13.22	7666450	5.0
unknown-03	12.61	18.1	ug/L	27744900	3	13.22	7666450	5.0
(DEL) Alkane: Cyc...	12.75	4.3	ug/L	6552850	3	13.22	7666450	5.0
(DEL) Alkane: Str...	12.81	2.5	ug/L	3833950	3	13.22	7666450	5.0
(DEL) Alkane: Str...	12.85	11.7	ug/L	17887700	3	13.22	7666450	5.0
(DEL) Alkane: Str...	12.98	7.9	ug/L	12077000	3	13.22	7666450	5.0
(DEL) Alkane: Str...	13.03	5.4	ug/L	8343540	3	13.22	7666450	5.0
(DEL) Alkane: Str...	13.09	8.4	ug/L	12838900	3	13.22	7666450	5.0
(DEL) Alkane: Cyc...	13.13	7.5	ug/L	11442900	3	13.22	7666450	5.0

(DEL) Alkane: Str...	13.17	6.7	ug/L	10241400	3	13.22	7666450	5.0
(DEL) Alkane: Str...	13.28	9.4	ug/L	14472600	3	13.22	7666450	5.0
(DEL) Alkane: Cyc...	13.37	1.6	ug/L	2537230	3	13.22	7666450	5.0
(DEL) Alkane: Cyc...	13.59	4.1	ug/L	6308270	3	13.22	7666450	5.0
Hydroxylamine, O-...	13.72	9.2	ug/L	14149600	3	13.22	7666450	5.0
Benzene, 4-ethyl-...	13.77	7.3	ug/L	11275300	3	13.22	7666450	5.0
Sulfurous acid, 2...	13.82	6.1	ug/L	9394630	3	13.22	7666450	5.0
Benzene, (2-methy...	13.87	5.9	ug/L	9098150	3	13.22	7666450	5.0
(DEL) Alkane: Str...	13.95	7.0	ug/L	10813900	3	13.22	7666450	5.0
(DEL) Alkane: Str...	14.00	2.6	ug/L	4031810	3	13.22	7666450	5.0
Decalin, syn-1-me...	14.05	27.9	ug/L	42781800	3	13.22	7666450	5.0
N-Methyl-o-toluamide	14.18	1.6	ug/L	2410540	3	13.22	7666450	5.0
1-Methyldecahydro...	14.21	5.7	ug/L	8760020	3	13.22	7666450	5.0
Sulfurous acid, d...	14.34	1.6	ug/L	2459650	3	13.22	7666450	5.0
unknown-04	14.41	2.6	ug/L	3980830	3	13.22	7666450	5.0
1-Phenyl-1-butene	14.47	11.5	ug/L	17637000	3	13.22	7666450	5.0
(DEL) Alkane: Str...	14.52	20.9	ug/L	32010900	3	13.22	7666450	5.0
(DEL) Alkane: Cyc...	14.60	2.3	ug/L	3470620	3	13.22	7666450	5.0
Benzene, pentamet...	14.73	3.8	ug/L	5851770	3	13.22	7666450	5.0
Benzene, (1-methy...	14.77	1.6	ug/L	2473890	3	13.22	7666450	5.0
(DEL) Alkane: Cyc...	14.93	5.2	ug/L	7963650	3	13.22	7666450	5.0
(DEL) Alkane: Str...	14.99	14.6	ug/L	22340400	3	13.22	7666450	5.0
unknown-05	15.11	3.0	ug/L	4683090	3	13.22	7666450	5.0
(DEL) Alkane: Cyc...	15.27	2.0	ug/L	3104340	3	13.22	7666450	5.0
(DEL) Alkane: Cyc...	15.36	6.3	ug/L	9621460	3	13.22	7666450	5.0
unknown-06	15.77	3.4	ug/L	5192200	3	13.22	7666450	5.0
Cyclohexane, 2-pr...	15.81	4.0	ug/L	6071340	3	13.22	7666450	5.0
(DEL) Alkane: Str...	15.89	4.1	ug/L	6254490	3	13.22	7666450	5.0
unknown-07	16.19	1.8	ug/L	2724810	3	13.22	7666450	5.0
unknown-08	16.29	3.2	ug/L	4928470	3	13.22	7666450	5.0

Instrument :
MSVOA_R
ClientSampleId :
C0AG0