LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR102919WMA.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	1.315	61	70	81	rBV	277399	299243	6.09%	0.426%
2	1.582	146	153	163	rBV	186174	218351	4.44%	0.311%
3	1.646	165	173	187	rVB	347139	427907	8.71%	0.610%
4	1.820	219	227	238	rVB	289118	363382	7.39%	0.518%
5	2.042	289	296	307	rVB2	71157	101040	2.06%	0.144%
6	2.129	313	323	336	rVB	354314	502883	10.23%	0.716%
7	2.553	431	455	464	rBV	549310	1214645	24.71%	1.731%
8	2.598	464	469	487	rVB2	157110	288557	5.87%	0.411%
9	2.788	511	528	544	rBV	411021	809323	16.47%	1.153%
10	3.071	599	616	630	rBV2	575406	1121290	22.81%	1.598%
11	3.306	676	689	703	rVB2	73509	157230	3.20%	0.224%
12	3.804	827	844	862	rBV	793208	1968428	40.05%	2.805%
13	3.965	880	894	935	rBV2	148990	689071	14.02%	0.982%
14	4.399	1011	1029	1051	rBV	305774	798301	16.24%	1.137%
15	4.505	1051	1062	1075	rVB3	61010	140430	2.86%	0.200%
16	4.720	1108	1129	1144	rBV3	925959	2330232	47.41%	3.320%
17	4.804	1146	1155	1181	rVB3	158251	447214	9.10%	0.637%
18	4.952	1185	1201	1228	rBV4	390324	1252886	25.49%	1.785%
19	5.093	1228	1245	1255	rBV2	725313	1707686	34.74%	2.433%
20	5.219	1272	1284	1295	rBV2	416374	937898	19.08%	1.336%
21	5.293	1296	1307	1318	rVV4	408140	988588	20.11%	1.409%
22	5.367	1318	1330	1347	rVB2	669396	1509317	30.71%	2.150%
23	5.531	1365	1381	1404	rBV	561258	1106533	22.51%	1.577%
24	5.662	1408	1422	1459	rVV2	448436	1281324	26.07%	1.826%
25	5.984	1506	1522	1536	rVV4	62643	147611	3.00%	0.210%
26	6.116	1548	1563	1567	rBV2	428071	754863	15.36%	1.076%
27	6.174	1569	1581	1595	rVV2	2141033	4915014	100.00%	7.003%
28	6.299	1610	1620	1633	rVB3	64423	126178	2.57%	0.180%
29	6.405	1641	1653	1666	rVB	302329	573825	11.67%	0.818%
30	6.505	1666	1684	1699	rBV	248899	509839	10.37%	0.726%
31	6.614	1699	1718	1725	rBV7	74311	236468	4.81%	0.337%
32	6.672	1725	1736	1758	rVB3	338836	770012	15.67%	1.097%
33	6.842	1761	1789	1798	rBV	257487	590589	12.02%	0.841%
34	6.955	1816	1824	1832	rBV	230973	367930	7.49%	0.524%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR102919WMA.M
Title : TRACE VOA SOM01.0

35	7.000	1832	1838	1839	rVV2	103234	112519	2.29%	0.160%
36	7.029	1841	1847	1858	rVB2	287585	467871	9.52%	0.667%
37	7.119	1867	1875	1892	rVB	199081	357978	7.28%	0.510%
38	7.209	1892	1903	1918	rVB3	266688	550738	11.21%	0.785%
39	7.305	1918	1933	1940	rBV3	834429	1622259	33.01%	2.311%
40	7.354	1941	1948	1965	rVB	936338	1791367	36.45%	2.552%
41	7.482	1978	1988	1996	rBV3	255467	483321	9.83%	0.689%
42	7.553	2005	2010	2020	rVB2	263221	419756	8.54%	0.598%
43	7.611	2020	2028	2030	rBV2	105304	131444	2.67%	0.187%
44	7.698	2040	2055	2075	rVB3	720418	1530625	31.14%	2.181%
45	7.826	2075	2095	2104	rBV2	324233	669207	13.62%	0.953%
46	7.881	2104	2112	2124	rVB2	257706	430171	8.75%	0.613%
47	8.132	2177	2190	2210	rBV2	861760	2041012	41.53%	2.908%
48	8.273	2224	2234	2243	rVB5	306980	526114	10.70%	0.750%
49	8.331	2243	2252	2260	rBV	659676	1030966	20.98%	1.469%
50	8.389	2260	2270	2281	rVB2	467921	850930	17.31%	1.212%
51	8.547	2307	2319	2331	rBV3	222059	433150	8.81%	0.617%
52	8.633	2331	2346	2361	rBV3	180894	473597	9.64%	0.675%
53	8.704	2361	2368	2376	rVV4	81414	118875	2.42%	0.169%
54	8.826	2392	2406	2416	rVB2	170748	371304	7.55%	0.529%
55	8.894	2416	2427	2436	rBV	703960	1140492	23.20%	1.625%
56	8.974	2445	2452	2460	rVB	172599	270706	5.51%	0.386%
57	9.051	2466	2476	2489	rVB	970288	1585568	32.26%	2.259%
58	9.145	2494	2505	2508	rVV5	181401	331465	6.74%	0.472%
59	9.180	2509	2516	2528	rVV2	620274	1200054	24.42%	1.710%
60	9.238	2528	2534	2560	rVB2	132526	337377	6.86%	0.481%
61	9.360	2560	2572	2592	rBV4	113557	256185	5.21%	0.365%
62	9.511	2605	2619	2637	rVB6	248527	580927	11.82%	0.828%
63	9.746	2675	2692	2711	rBV4	434703	929035	18.90%	1.324%
64	9.839	2711	2721	2732	rBV5	293662	574023	11.68%	0.818%
65	9.971	2751	2762	2771	rBV	272559	466411	9.49%	0.665%
66	10.167	2816	2823	2833	rVB3	156620	265375	5.40%	0.378%
67	10.257	2839	2851	2870	rBV2	359873	864969	17.60%	1.232%
68	10.392	2883	2893	2916	rBV	533569	904673	18.41%	1.289%
69	10.511	2917	2930	2938	rBV	301144	510402	10.38%	0.727%
70	10.778	3003	3013	3031	rVB	187931	339878	6.92%	0.484%
71	10.919	3047	3057	3065	rBV10	46348	103098	2.10%	0.147%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR102919WMA.M
Title : TRACE VOA SOM01.0

72	11.128	3116	3122	3134	rVB	119674	188962	3.84%	0.269%
73	11.289	3162	3172	3184	rBV2	997616	1540763	31.35%	2.195%
74	11.572	3248	3260	3276	rBV2	782123	1552605	31.59%	2.212%
75	11.669	3277	3290	3309	rVB3	1086515	2017235	41.04%	2.874%
76	11.784	3318	3326	3340	rVV	91920	145063	2.95%	0.207%
77	11.861	3341	3350	3361	rVB2	187030	271779	5.53%	0.387%
78	11.952	3369	3378	3394	rVB	120902	204011	4.15%	0.291%
79	12.058	3396	3411	3418	rBV	704540	1111949	22.62%	1.584%
80	12.157	3432	3442	3474	rVB2	794774	1626517	33.09%	2.317%
81	12.296	3474	3485	3493	rBV6	61863	118282	2.41%	0.169%
82	12.344	3493	3500	3511	rVB3	65881	112946	2.30%	0.161%
83	12.456	3514	3535	3545	rBV	344984	606671	12.34%	0.864%
84	12.514	3545	3553	3567	rVB10	51817	107116	2.18%	0.153%
85	12.591	3567	3577	3585	rBV2	136930	212473	4.32%	0.303%
86	12.730	3612	3620	3624	rVV	78984	131173	2.67%	0.187%
87	12.768	3624	3632	3649	rVB	417176	693373	14.11%	0.988%
88	12.926	3664	3681	3691	rBV2	1171447	1903829	38.73%	2.713%
89	13.090	3724	3732	3752	rVB4	204217	398788	8.11%	0.568%
90	13.209	3759	3769	3775	rBV	83158	127125	2.59%	0.181%
91	13.257	3776	3784	3793	rVB	205246	310572	6.32%	0.442%
92	13.312	3793	3801	3809	rBV3	201126	310316	6.31%	0.442%
93	13.411	3826	3832	3839	rVB	205996	252545	5.14%	0.360%
94	13.546	3858	3874	3883	rBV	386057	637758	12.98%	0.909%
95	13.759	3931	3940	3950	rBV5	61425	126959	2.58%	0.181%
96	13.955	3989	4001	4014	rVB2	71312	130414	2.65%	0.186%
97	14.138	4047	4058	4070	rBV5	99371	232269	4.73%	0.331%
98	14.341	4112	4121	4135	rVB4	50741	109447	2.23%	0.156%
99	14.678	4215	4226	4237	rVV	102074	177268	3.61%	0.253%
100	14.861	4275	4283	4296	rVB	57035	100303	2.04%	0.143%

Sum of corrected areas: 70186441

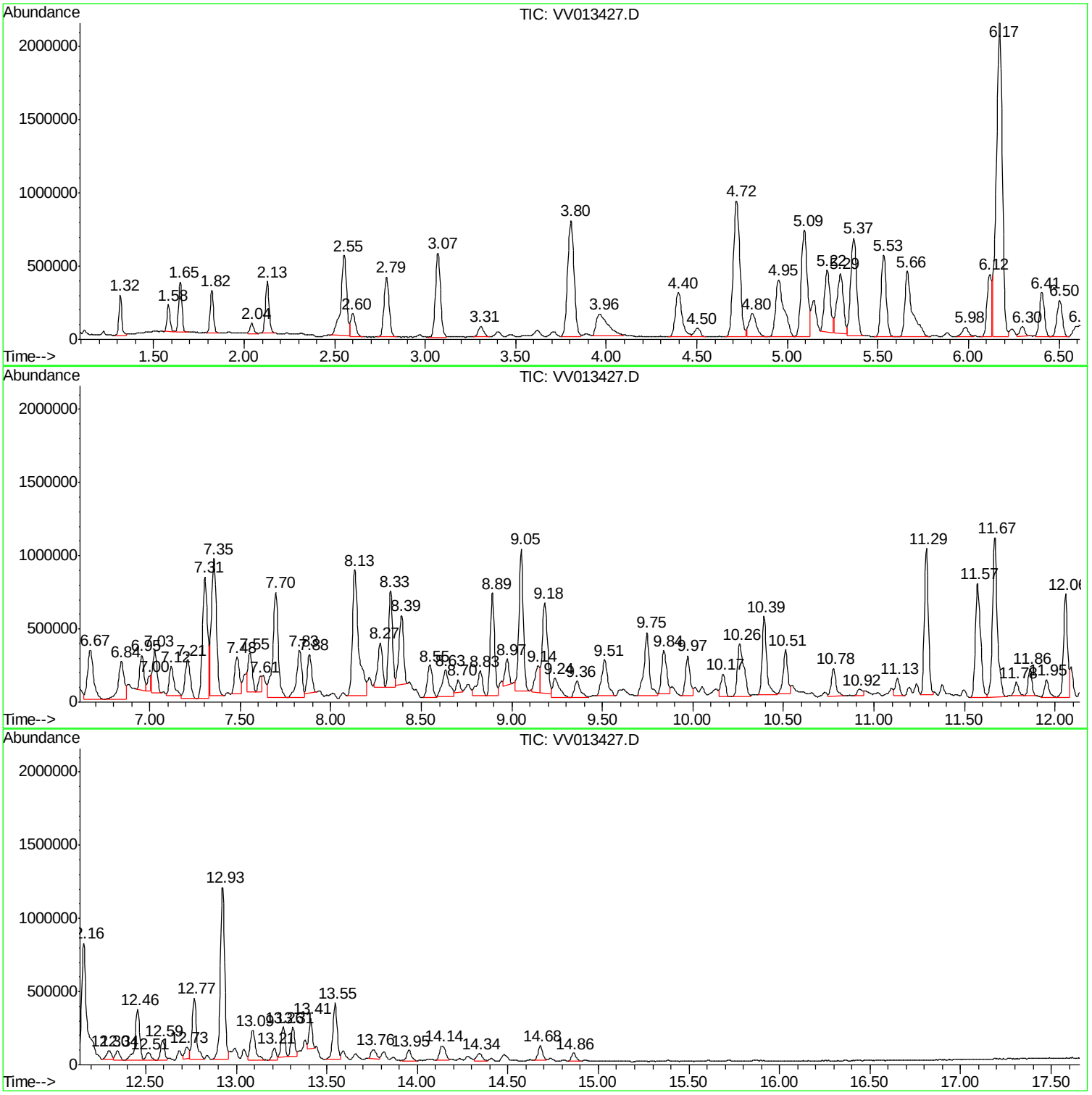
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

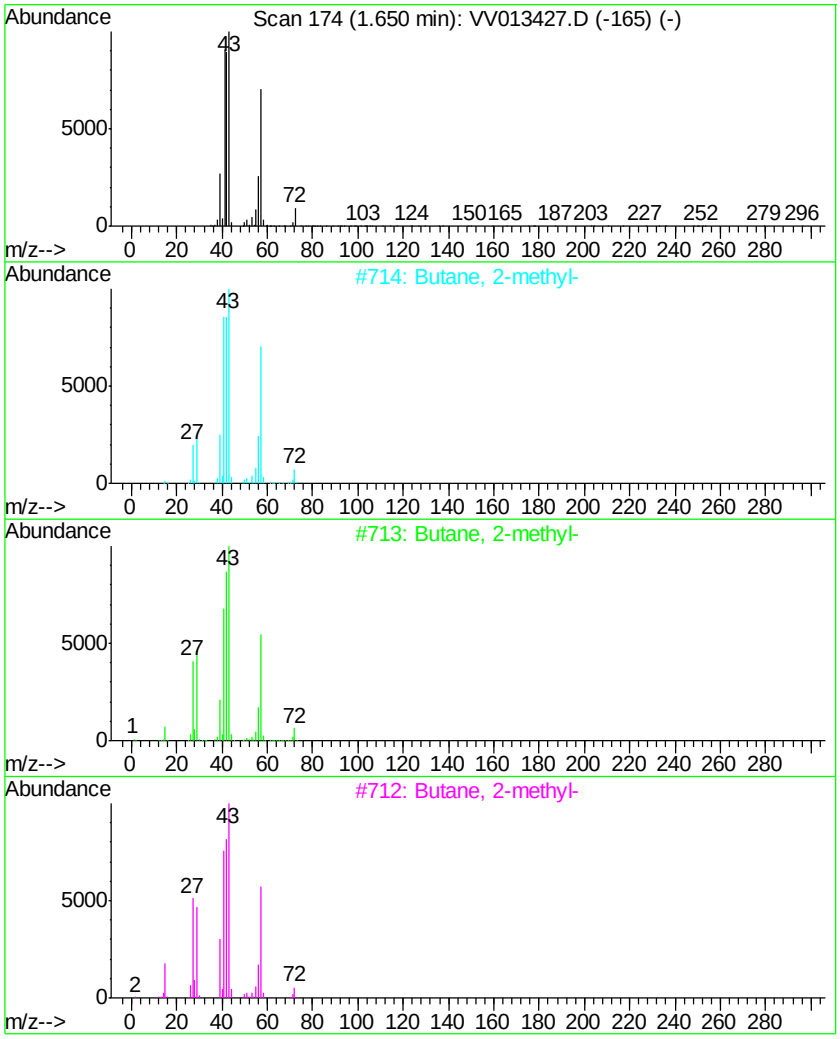
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

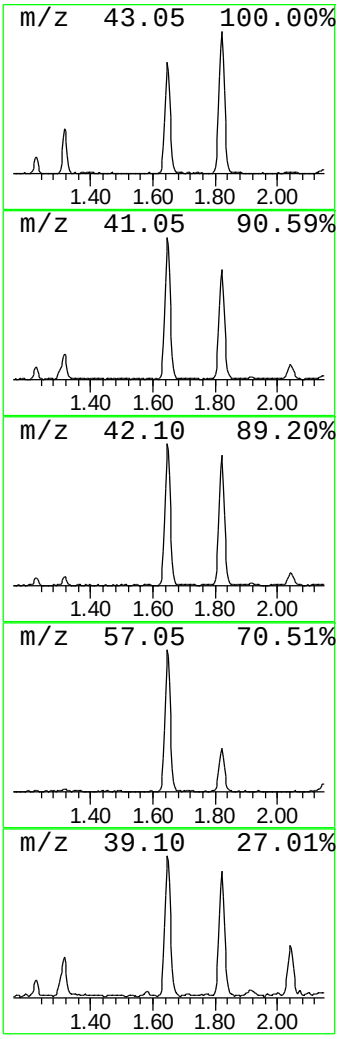
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.65	1.67 ug/L	427907	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	3-Buten-1-ol	72	C4H8O	000627-27-0	28
5	Butane, 1-isocyano-	83	C5H9N	002769-64-4	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

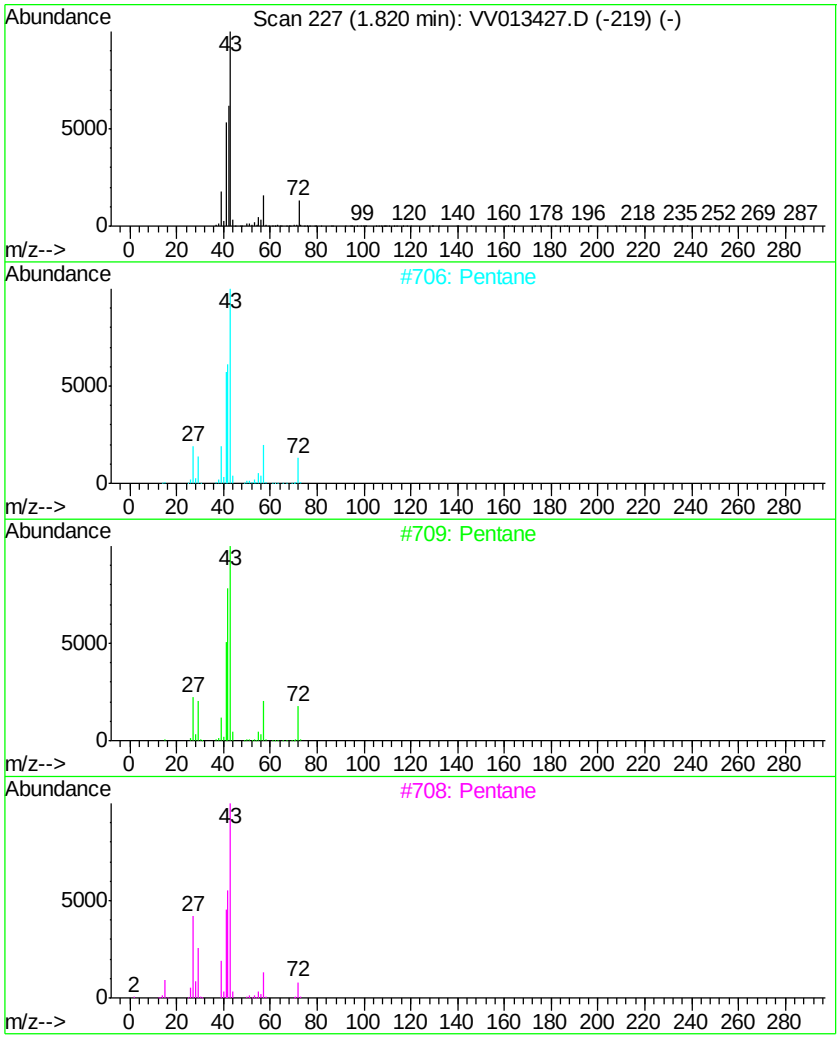
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

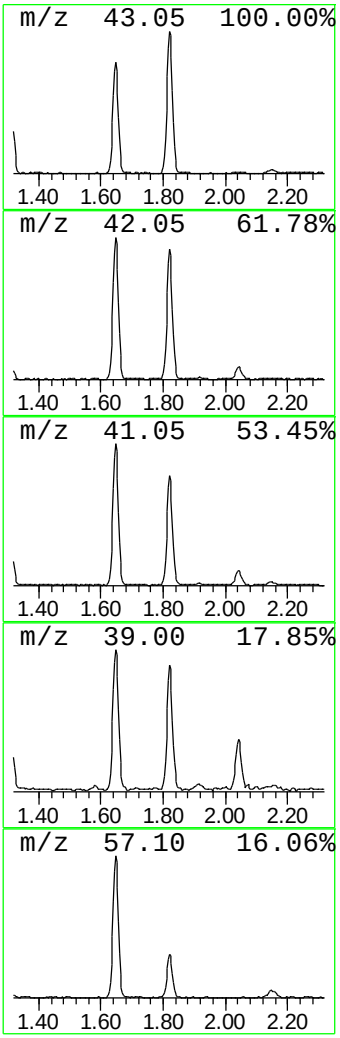
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	1.42 ug/L	363382	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	91
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	86
5	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

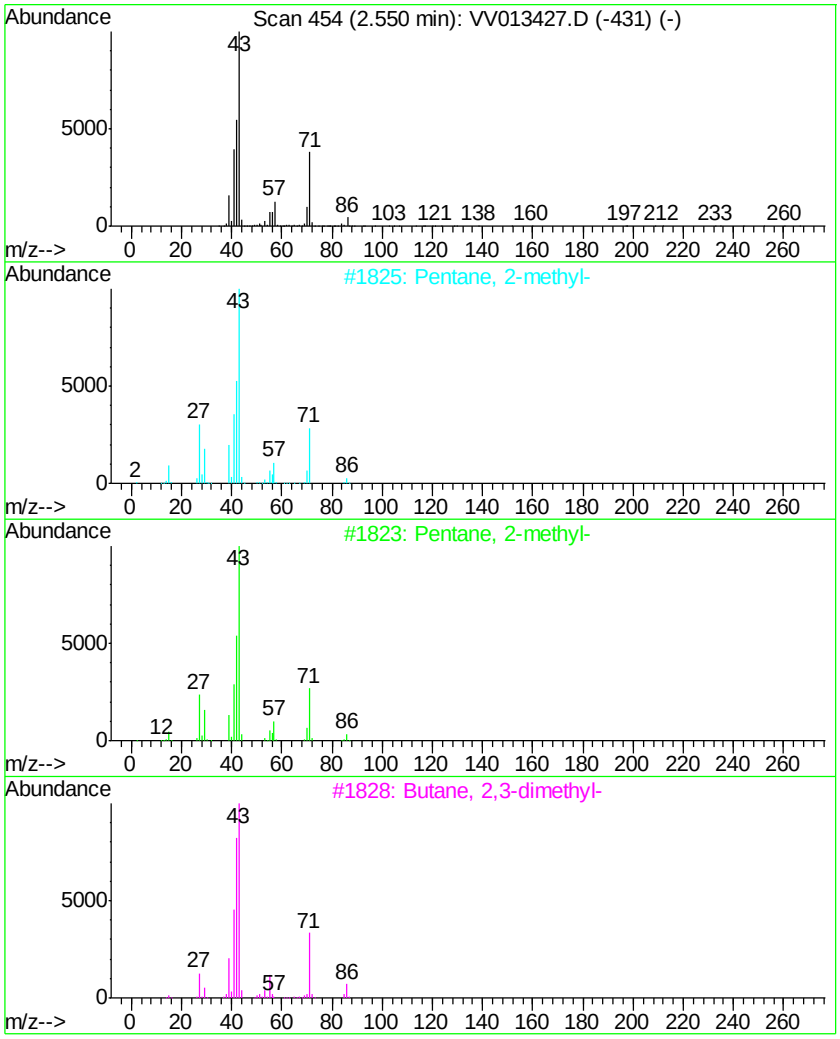
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

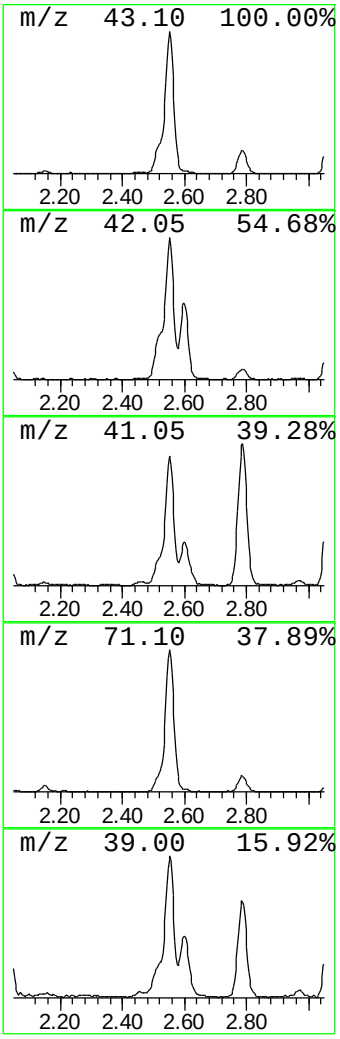
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	4.74 ug/L	1214650	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

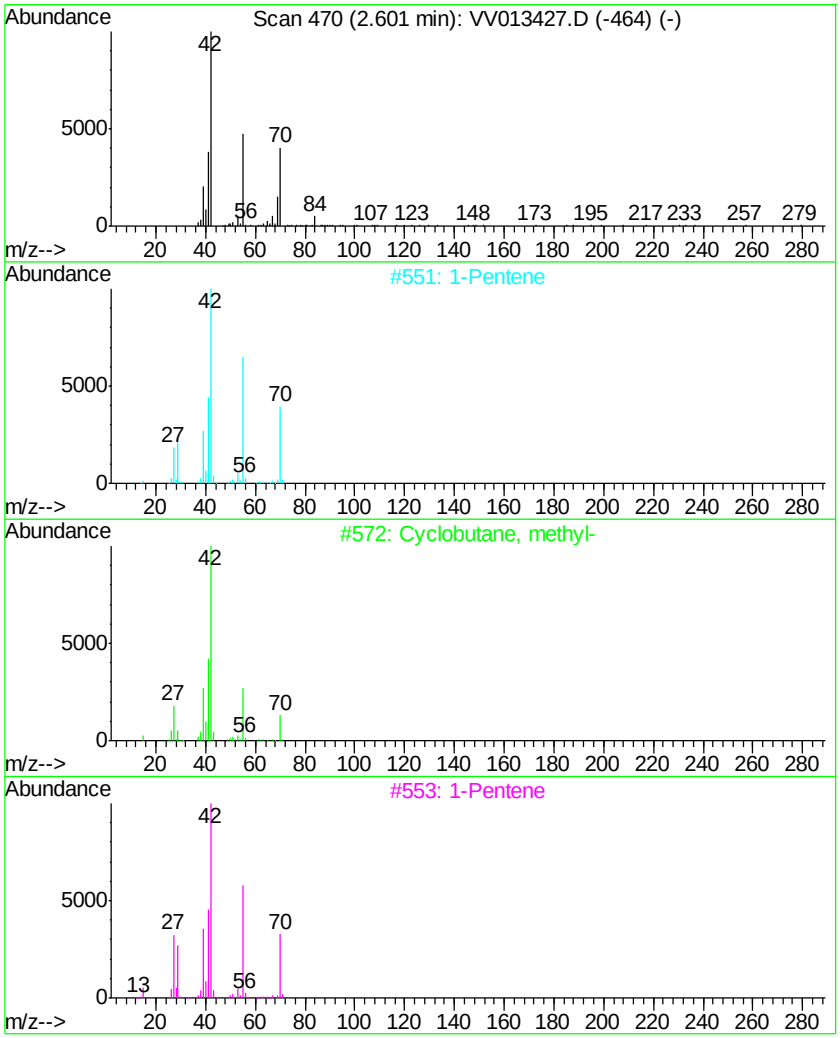
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

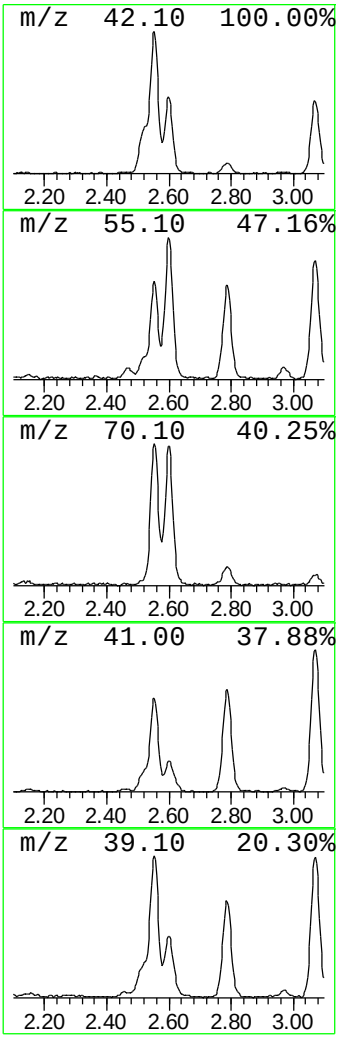
****

Peak Number 4 (DEL) Alkane: Cyclic-2.6 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.60	1.13 ug/L	288557	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	72
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
3	1-Pentene	70	C5H10	000109-67-1	72
4	Cyclopentane	70	C5H10	000287-92-3	64
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

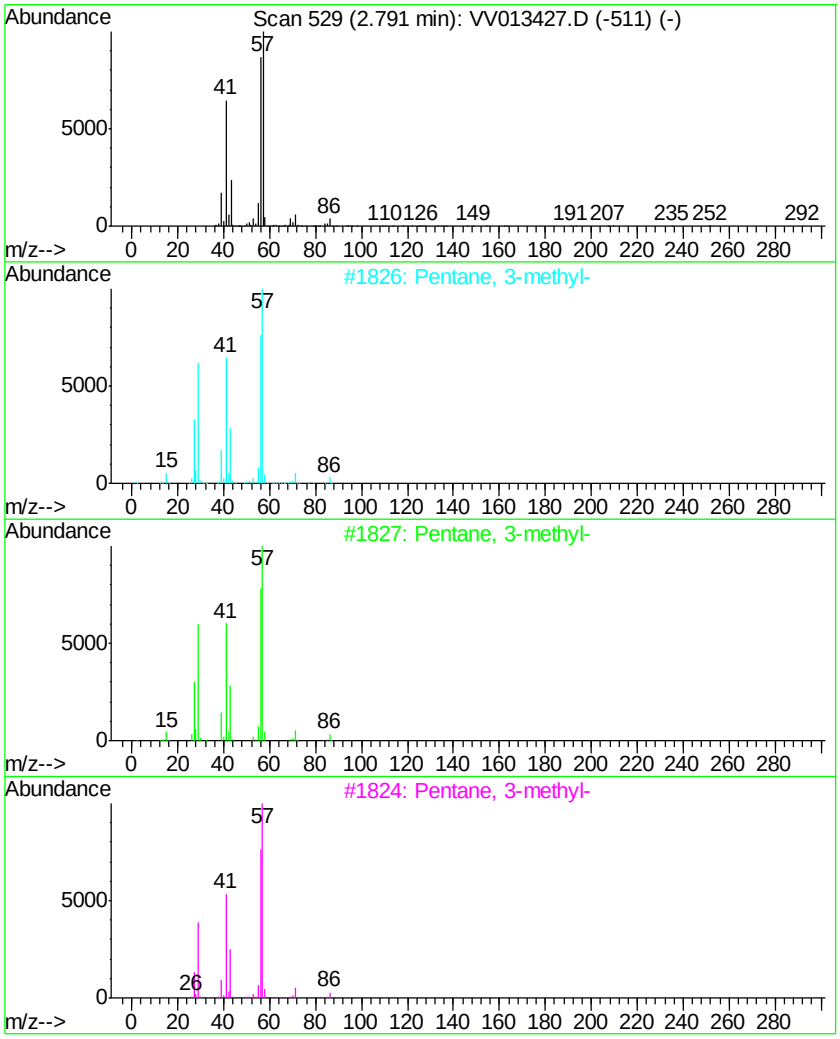
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

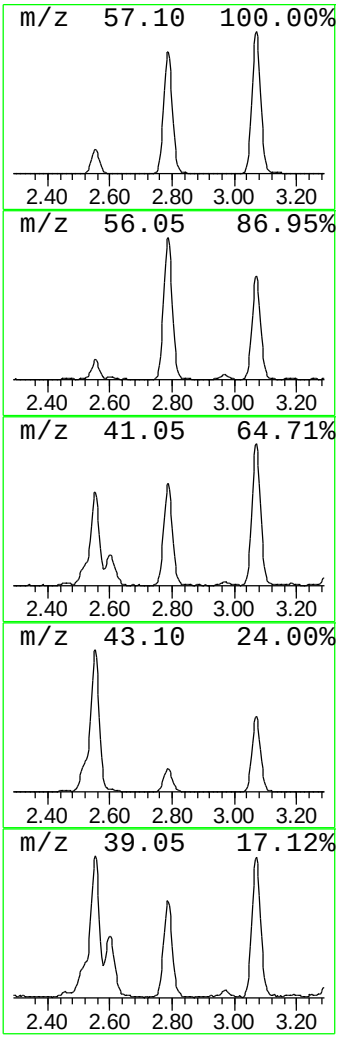
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	3.16 ug/L	809323	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

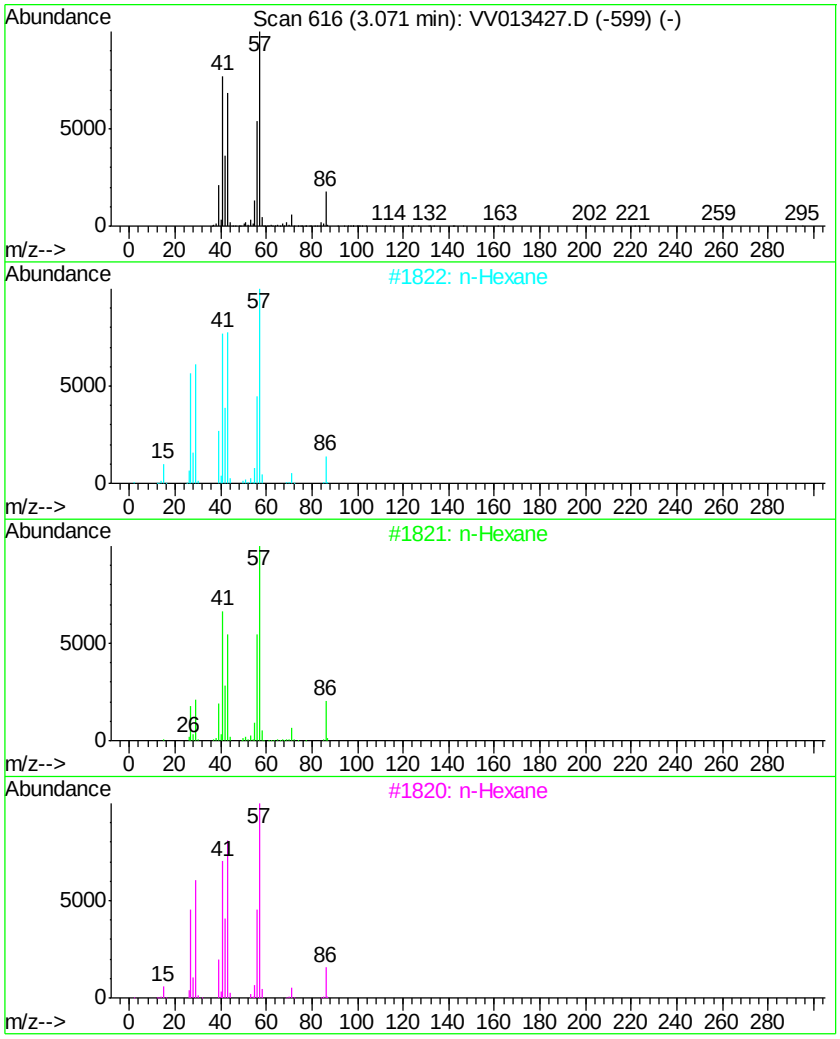
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

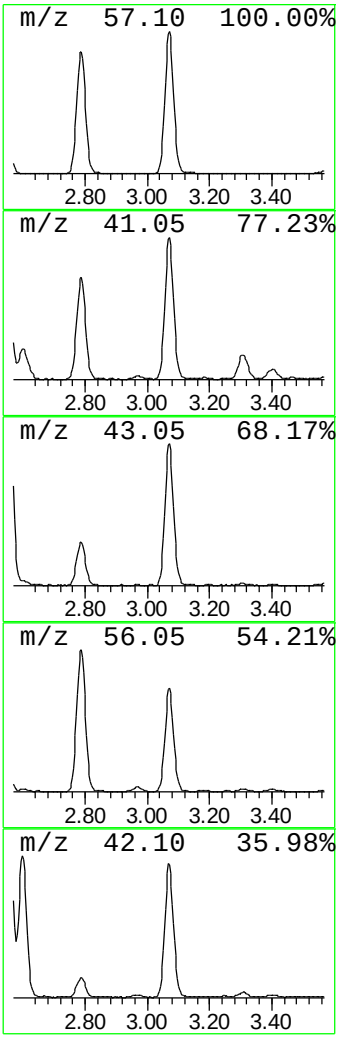
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	4.38 ug/L	1121290	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	90
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	40
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

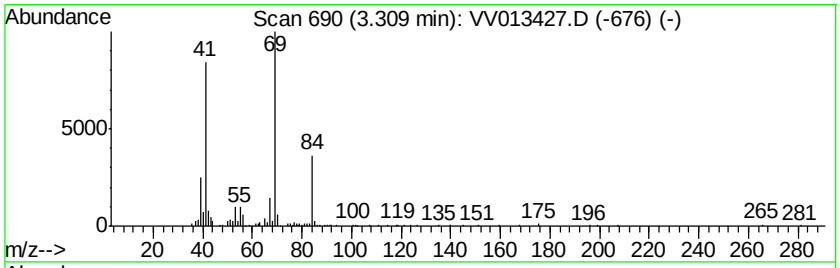
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

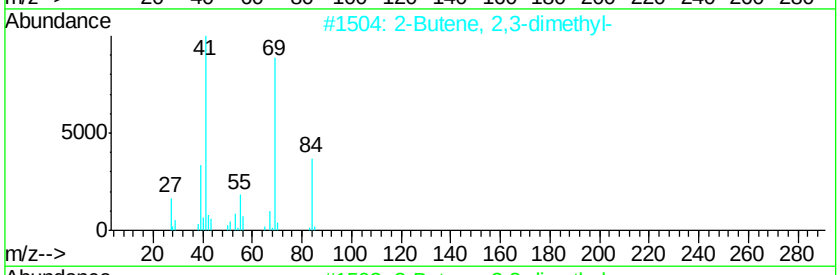
****

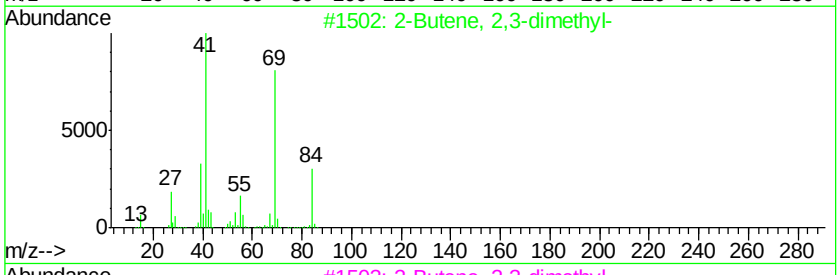
Peak Number 7 (DEL) Alkane: Cyclic3.31 Concentration Rank 59

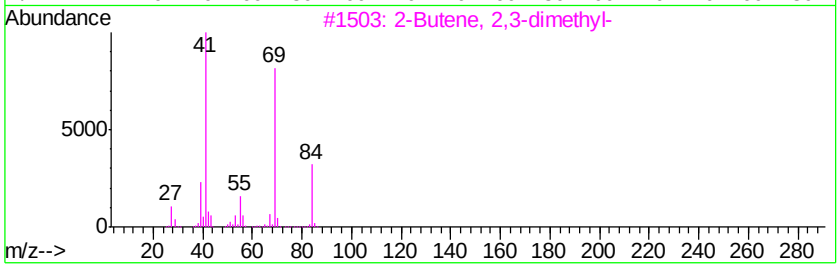
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.31	0.61 ug/L	157230	1,4-Difluorobenzene	5.66

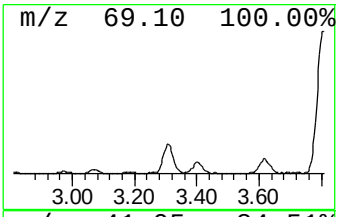
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	90
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	87
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	87
4	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	87
5	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	86

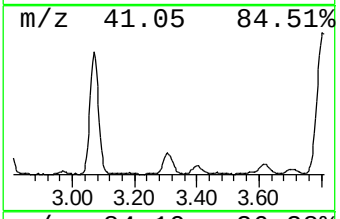


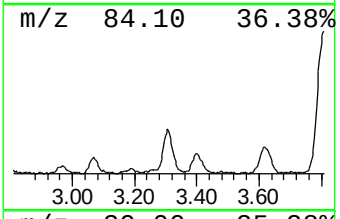


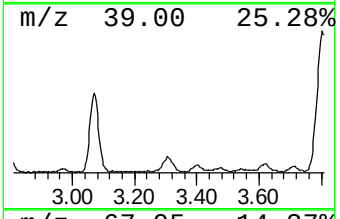


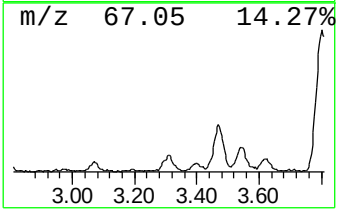












Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

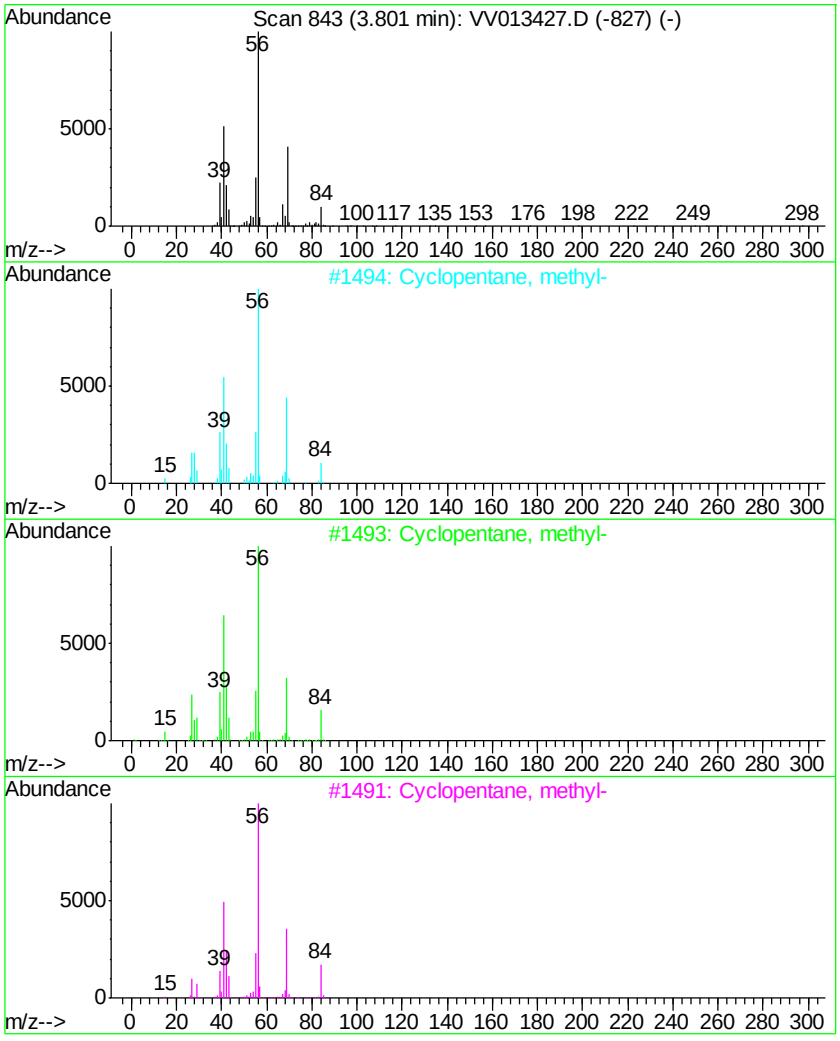
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

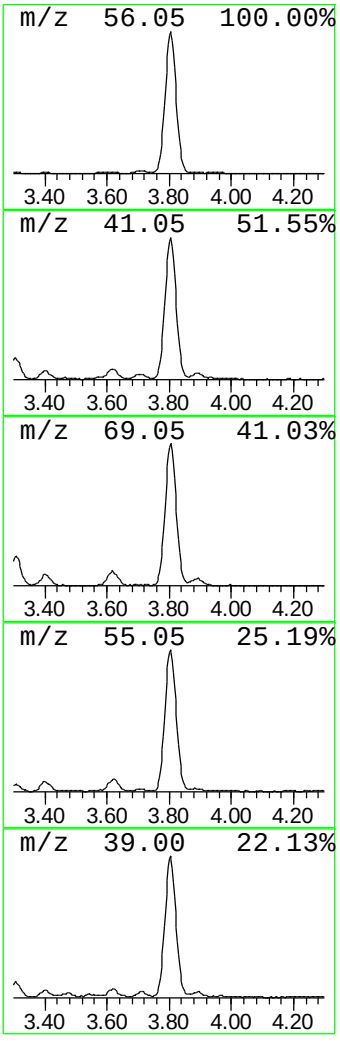
****

Peak Number 8 (DEL) Alkane: Cyclic-3.8 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.80	7.68 ug/L	1968430	1,4-Difluorobenzene	5.66

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	91
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	Cyclohexane	84	C6H12	000110-82-7	78
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

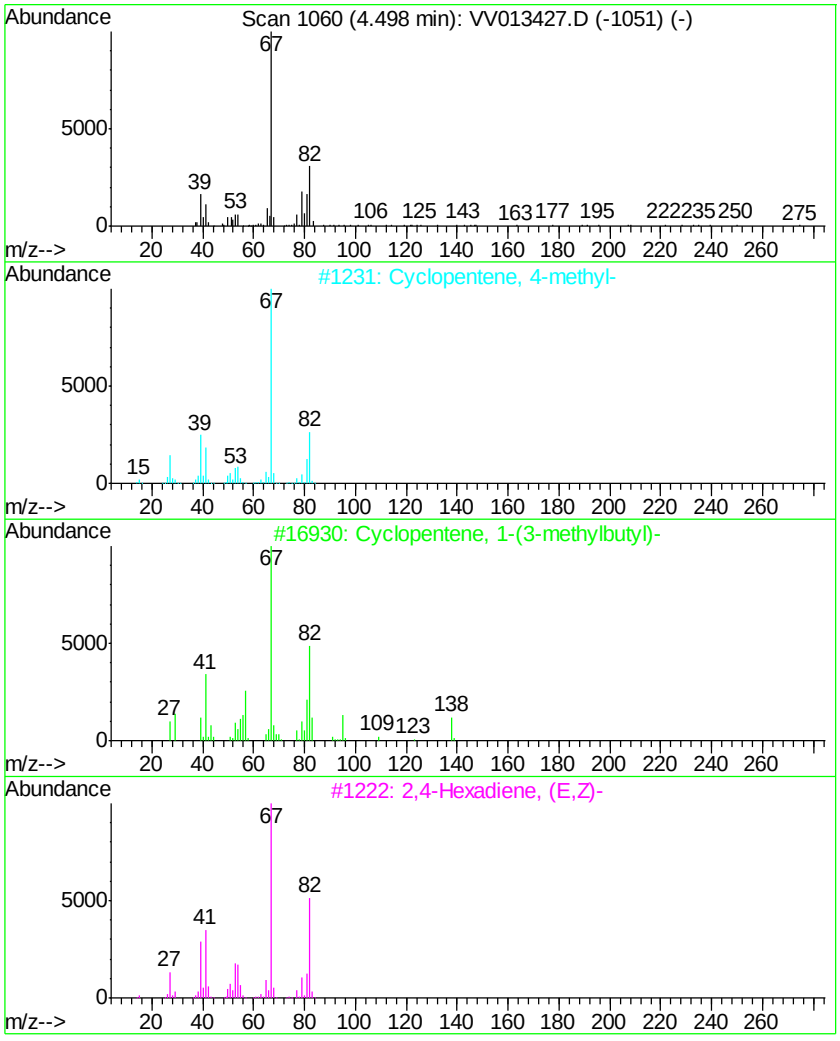
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

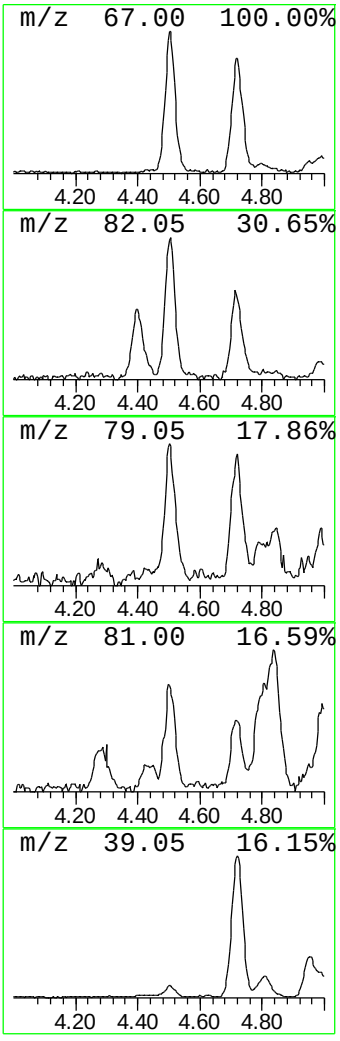
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclopentene, 4-methyl- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.50	0.55 ug/L	140430	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	83
2	Cyclopentene, 1-(3-methylbutyl)-	138	C10H18	037689-15-9	78
3	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	72
4	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	72
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	72





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

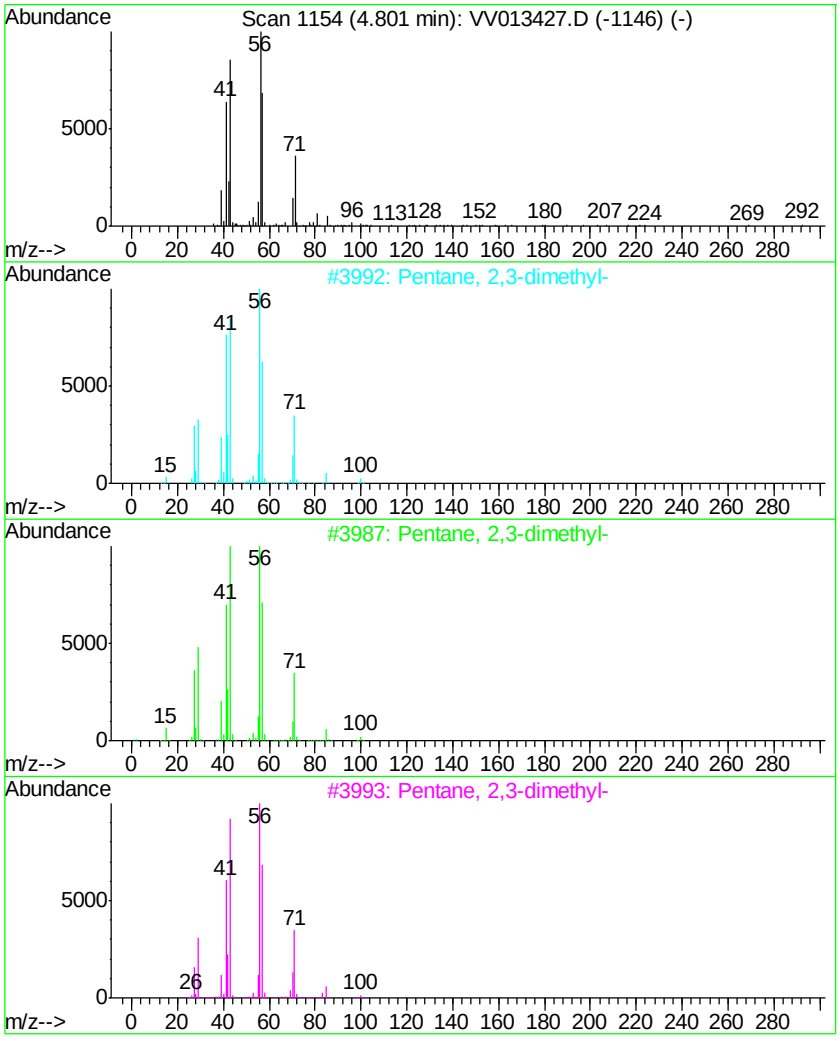
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

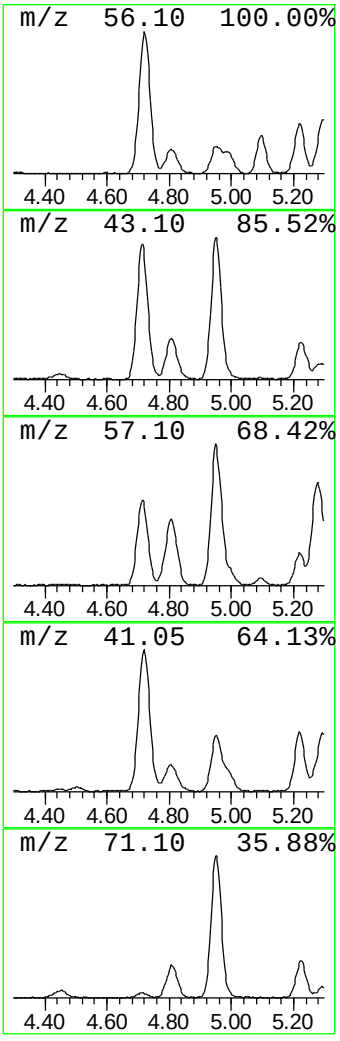
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	1.75 ug/L	447214	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	59
5	Ethane, isocyanato-	71	C3H5NO	000109-90-0	53





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

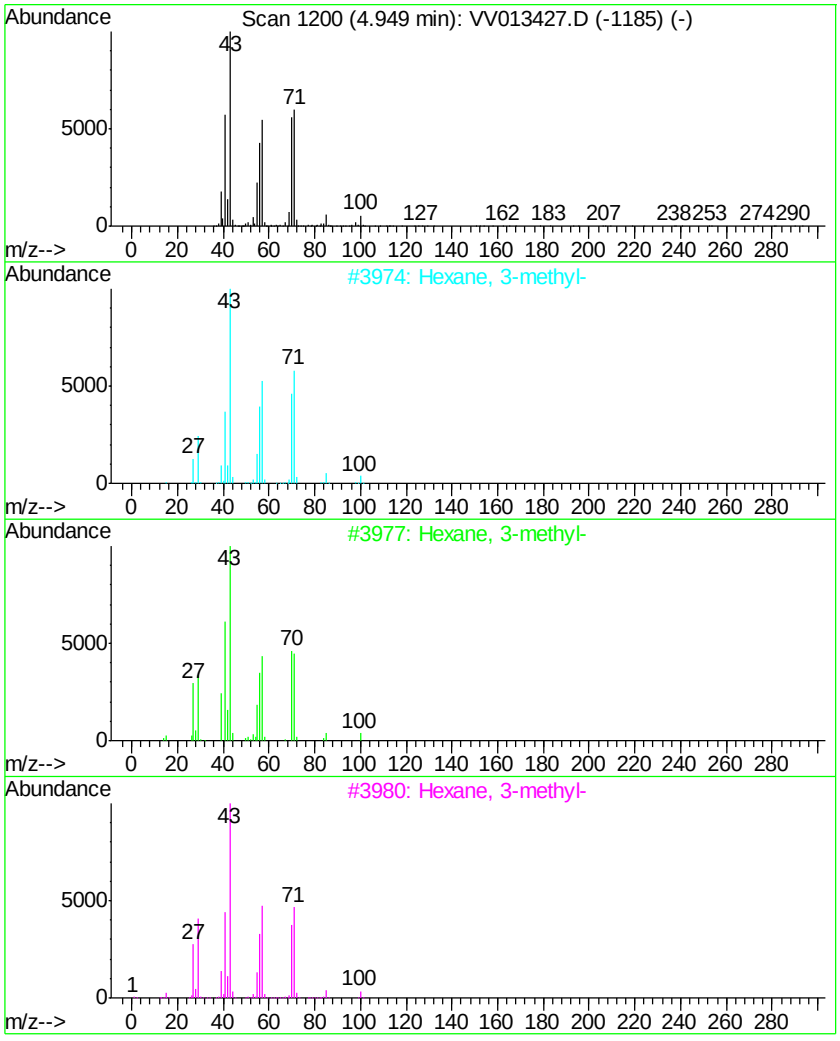
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

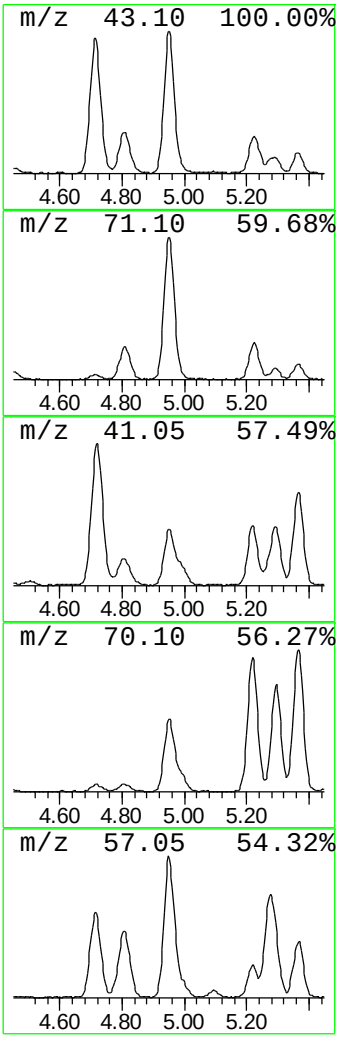
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	4.89 ug/L	1252890	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4	Heptane	100	C7H16	000142-82-5	72
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	59





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

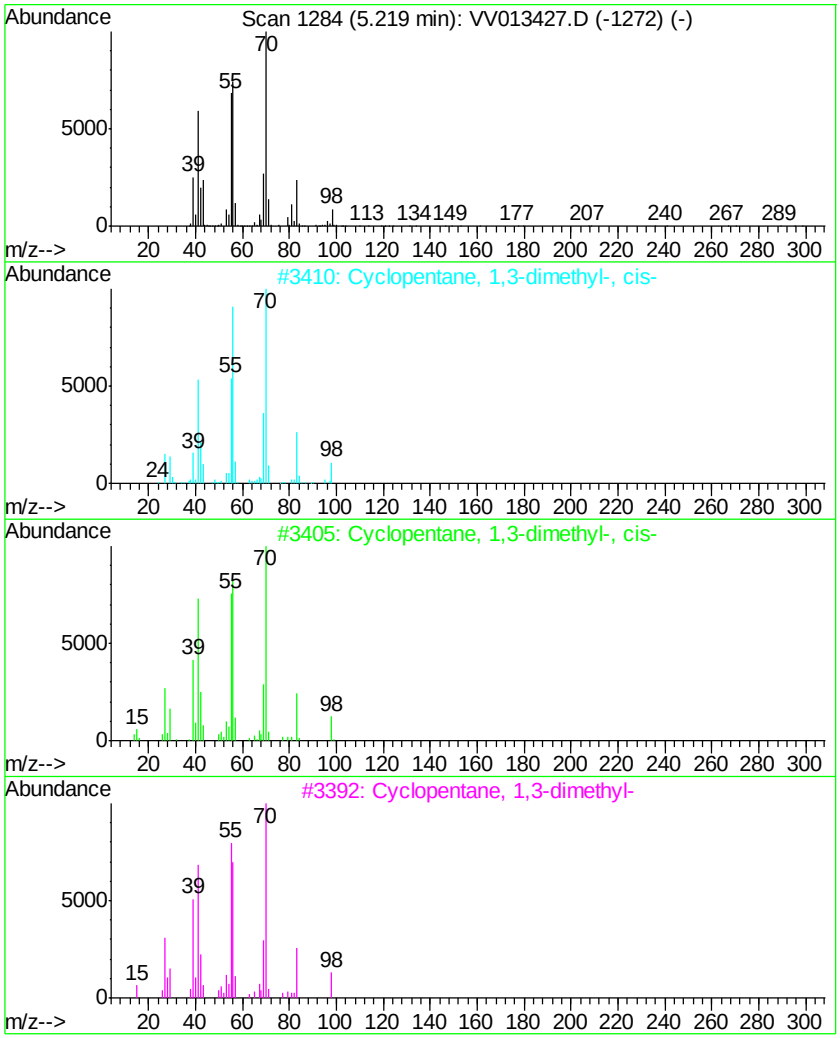
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

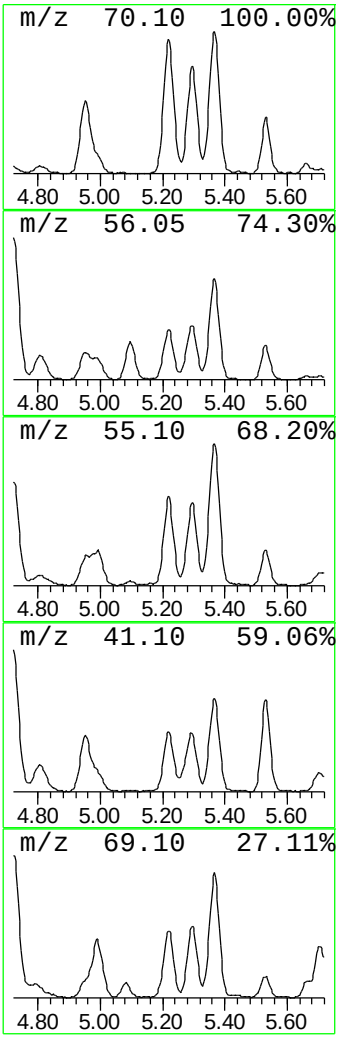
****

Peak Number 12 (DEL) Alkane: Cyclic-5.22 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	3.66 ug/L	937898	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	76
5	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	72





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Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

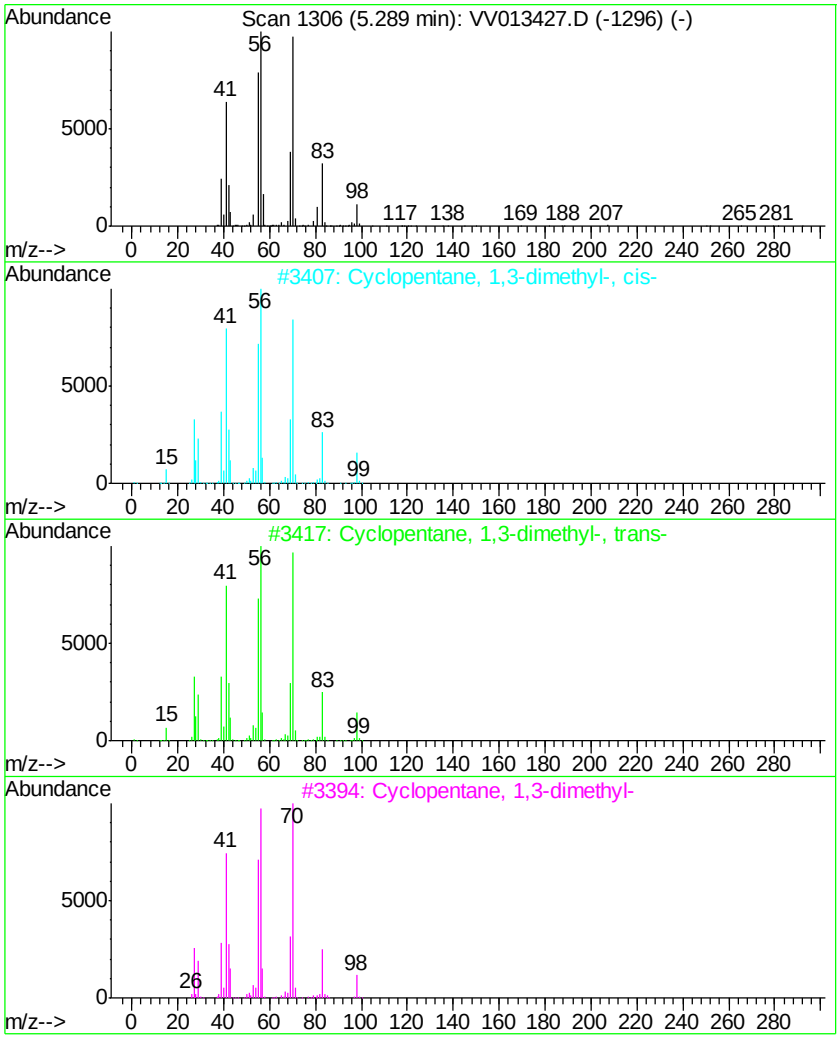
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

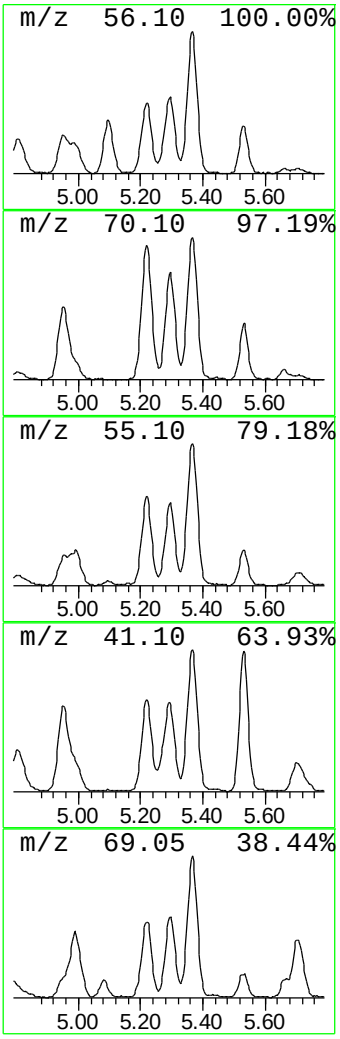
****

Peak Number 13 (DEL) Alkane: Cyclic-5.29 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	3.86 ug/L	988588	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	86





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

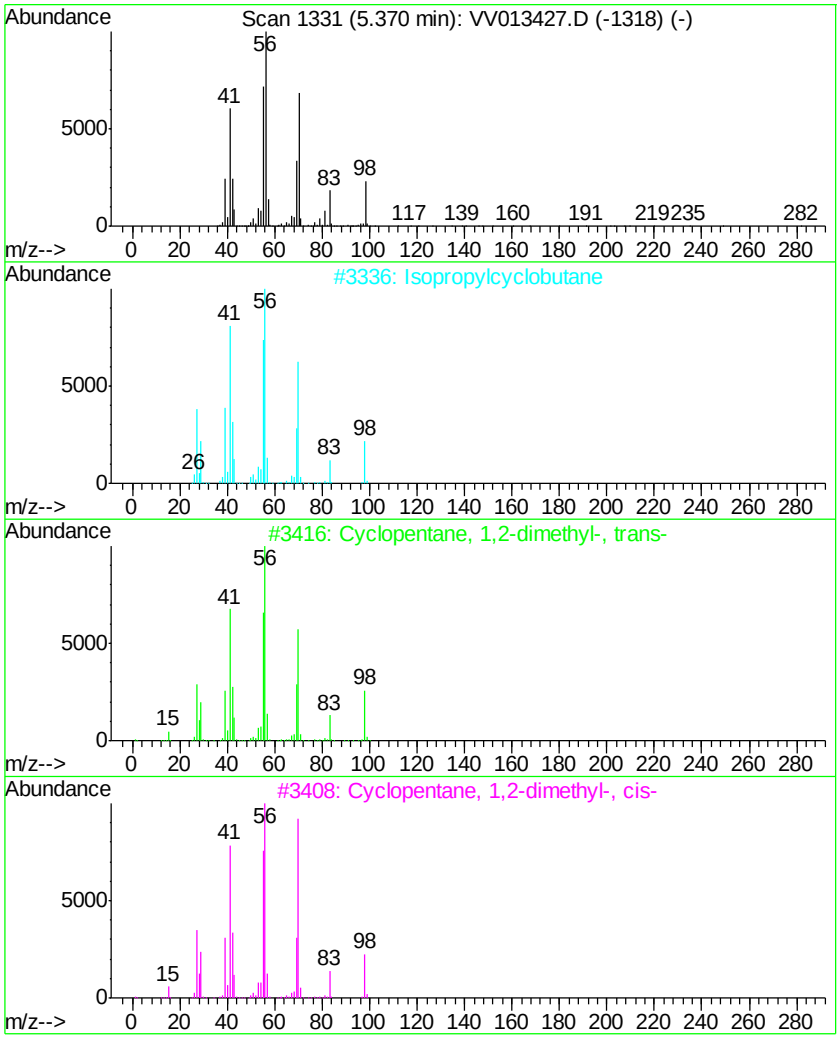
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

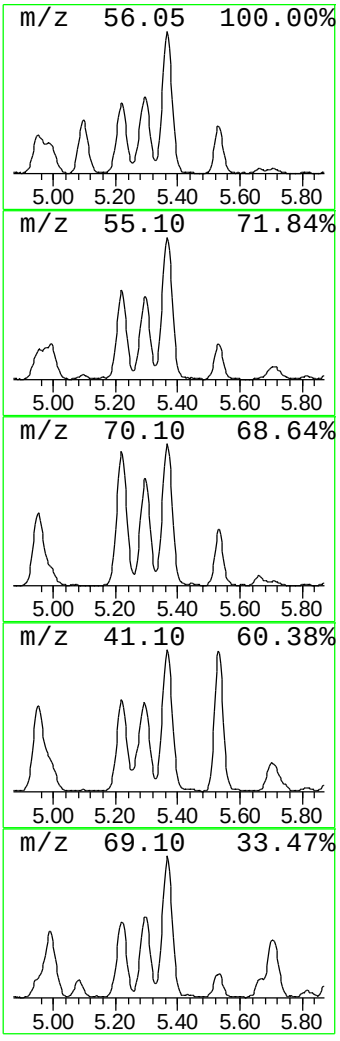
****

Peak Number 14 (DEL) Alkane: Cyclic-5.37 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	5.89 ug/L	1509320	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	93
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

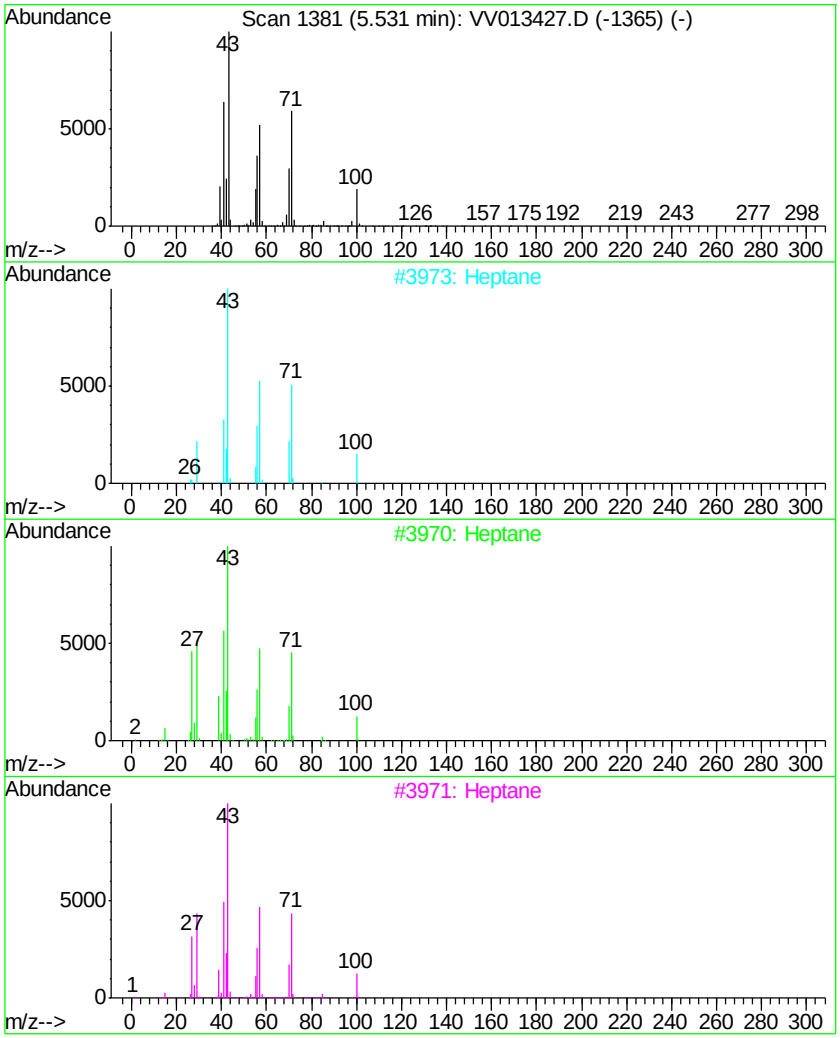
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

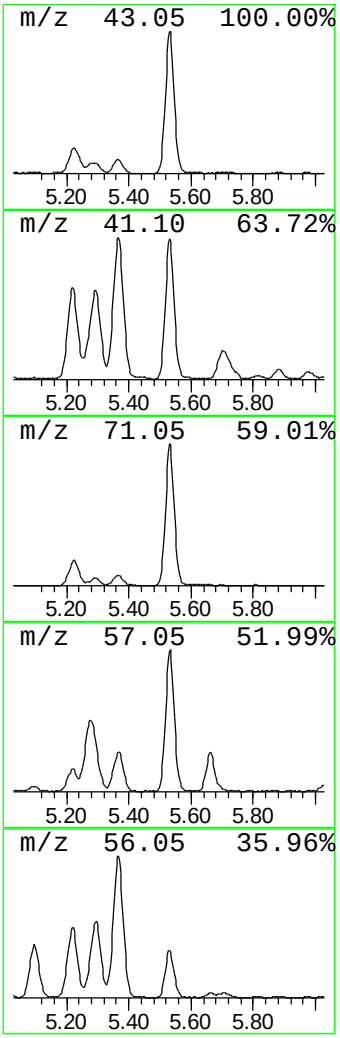
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	4.32 ug/L	1106530	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	72
3	Heptane	100	C7H16	000142-82-5	52
4	Heptane	100	C7H16	000142-82-5	52
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

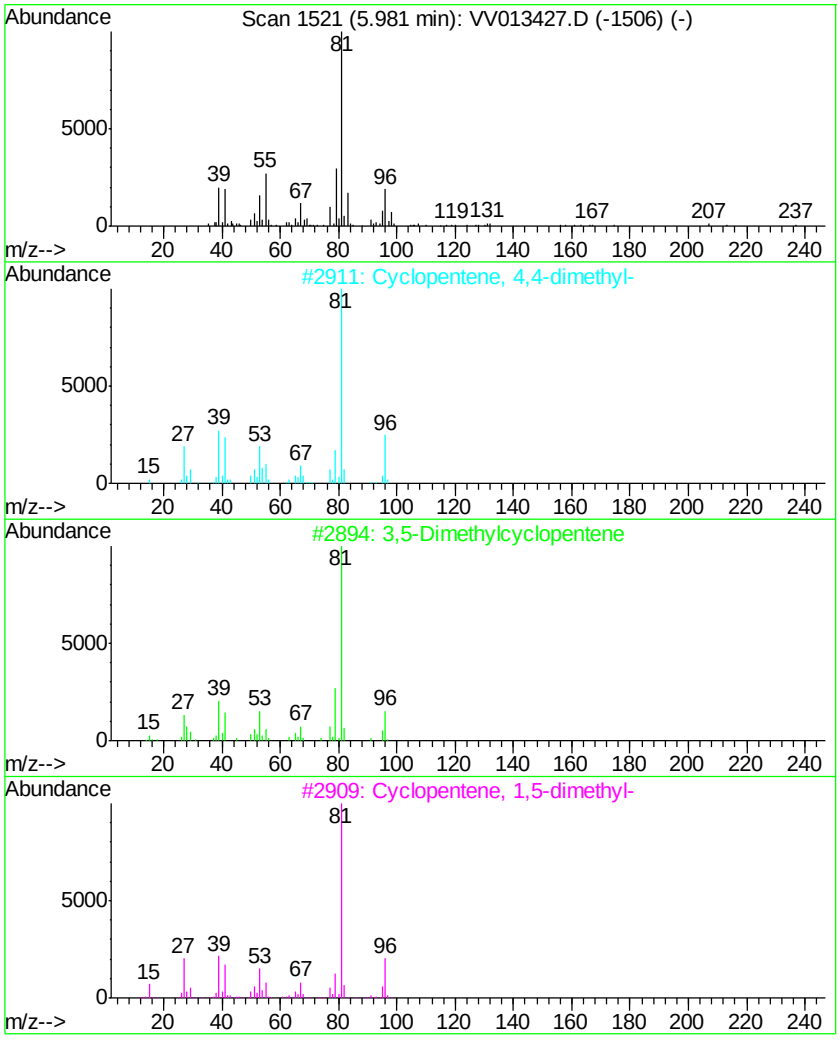
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

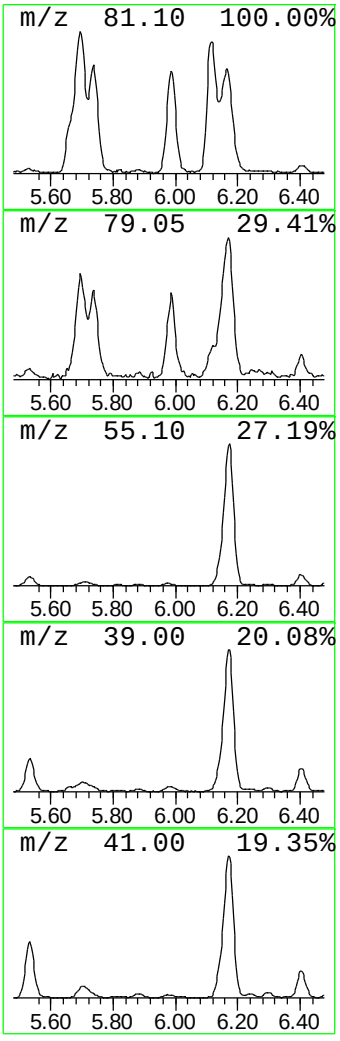
****

Peak Number 16 Cyclopentene, 4,4-dimethyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	0.58 ug/L	147611	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	87
2	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	87
3	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	83
4	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	74
5	Bicyclo[2.1.0]pentane, 1,4-dimet...	96	C7H12	017065-18-8	59





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Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

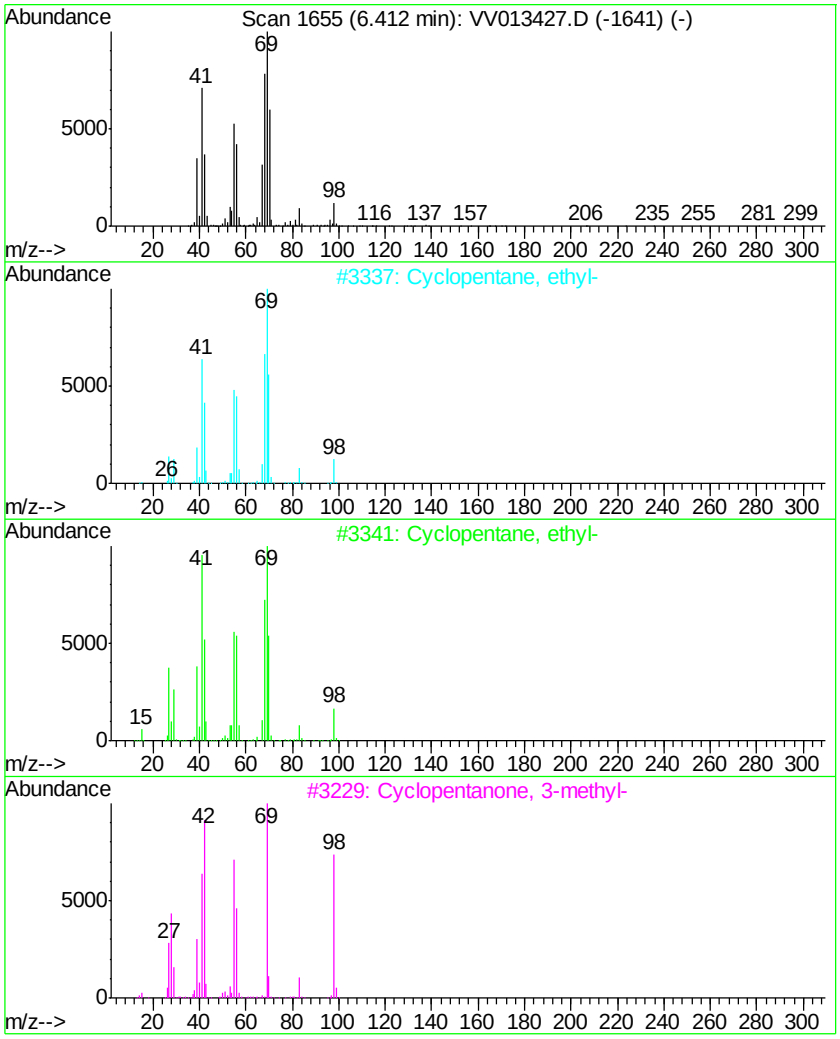
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

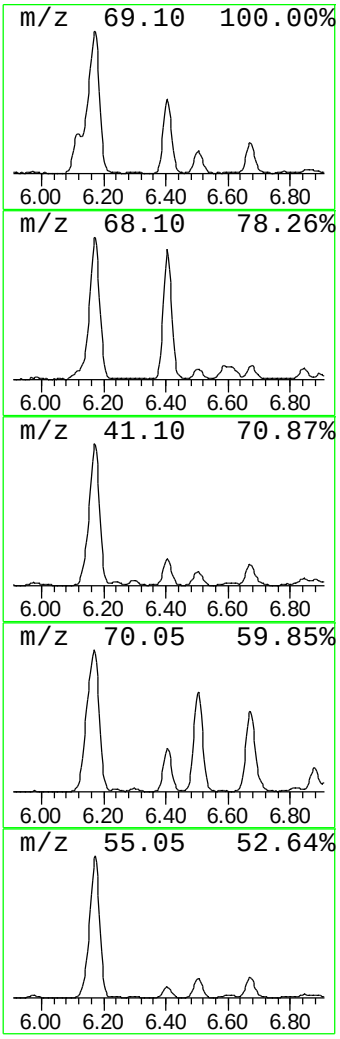
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic-6.41 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	2.24 ug/L	573825	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	94
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	81
3	Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	46
4	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38
5	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	35





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

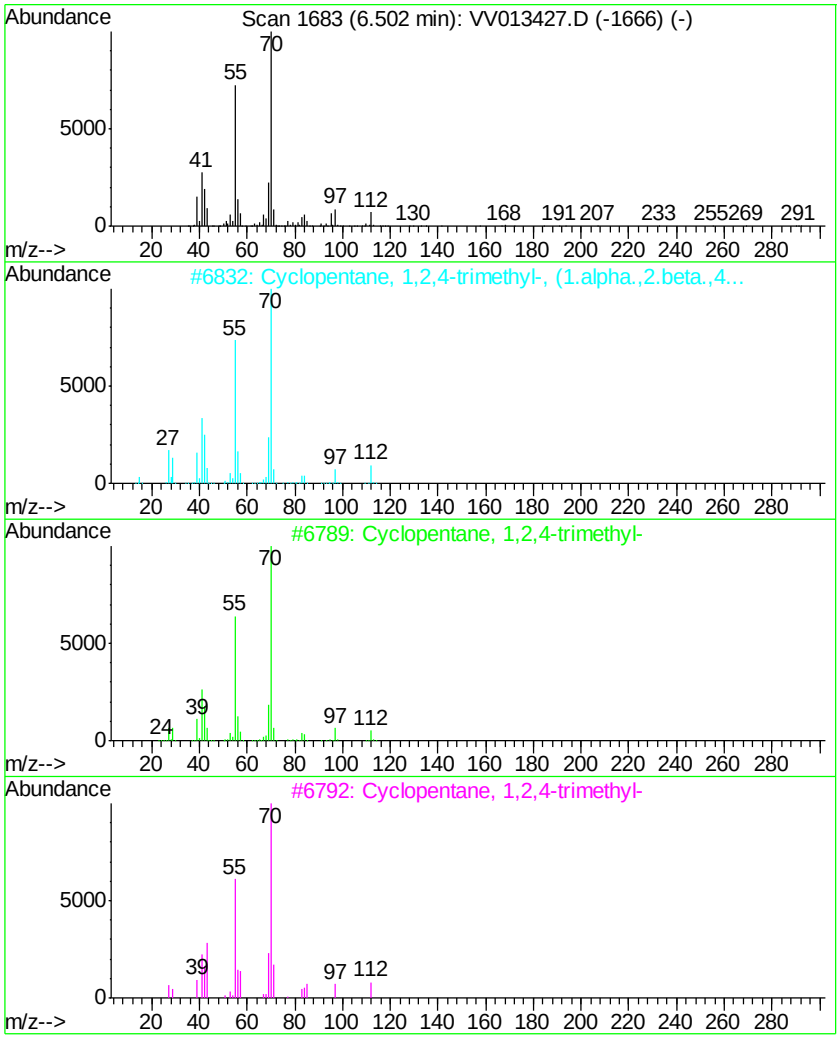
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

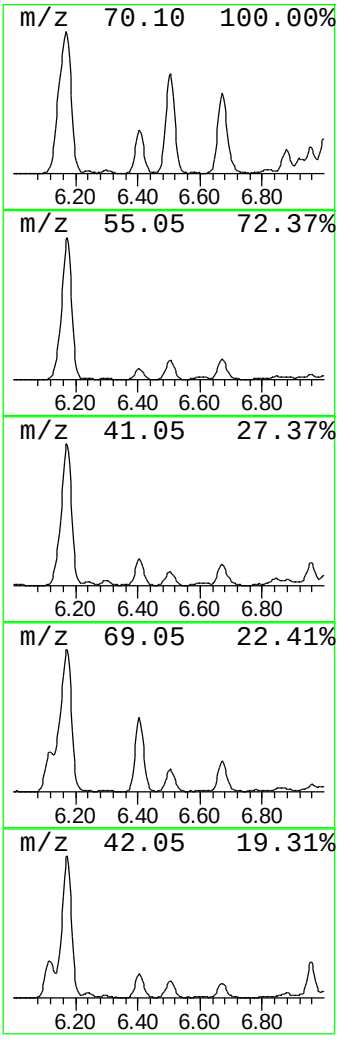
****

Peak Number 18 (DEL) Alkane: Cyclic-6.5 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	1.99 ug/L	509839	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	93
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
4	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	86
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	80





Library Search Compound Report

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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

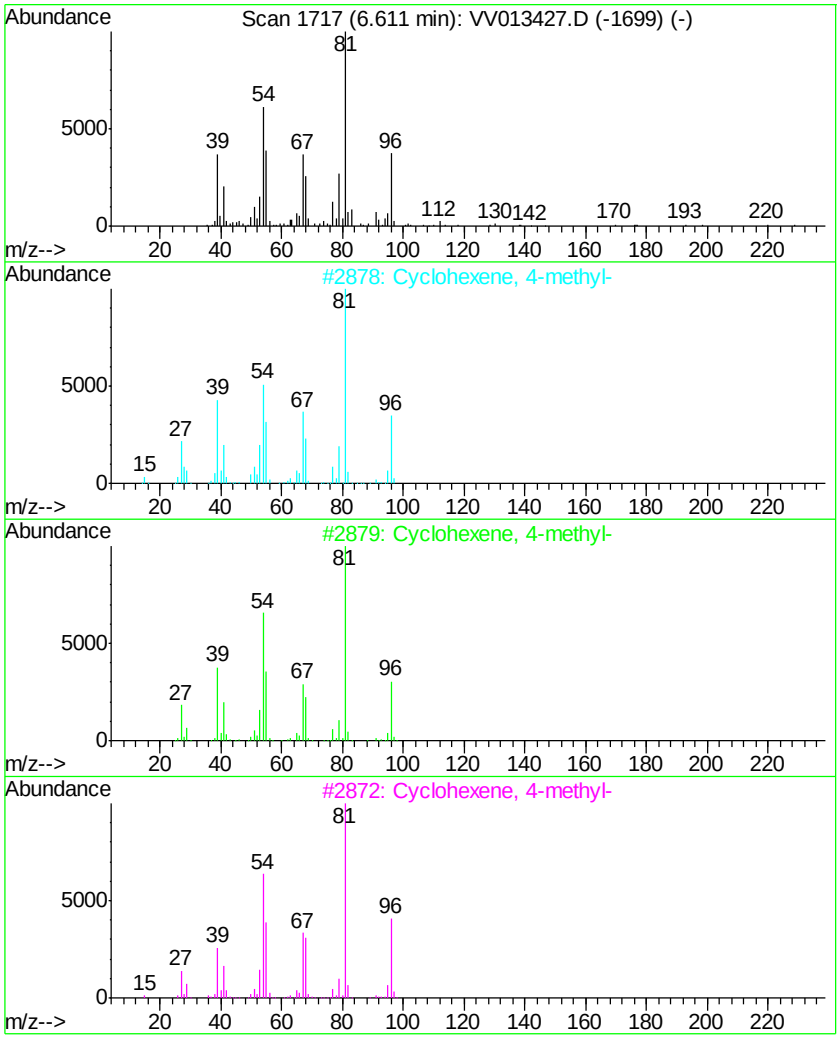
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

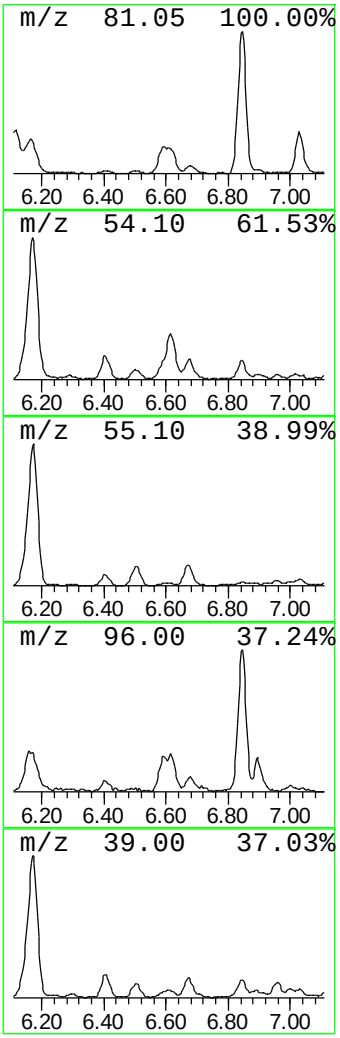
****

Peak Number 19 Cyclohexene, 4-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	0.92 ug/L	236468	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	93
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	90
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	74
4	1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	64
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	62





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

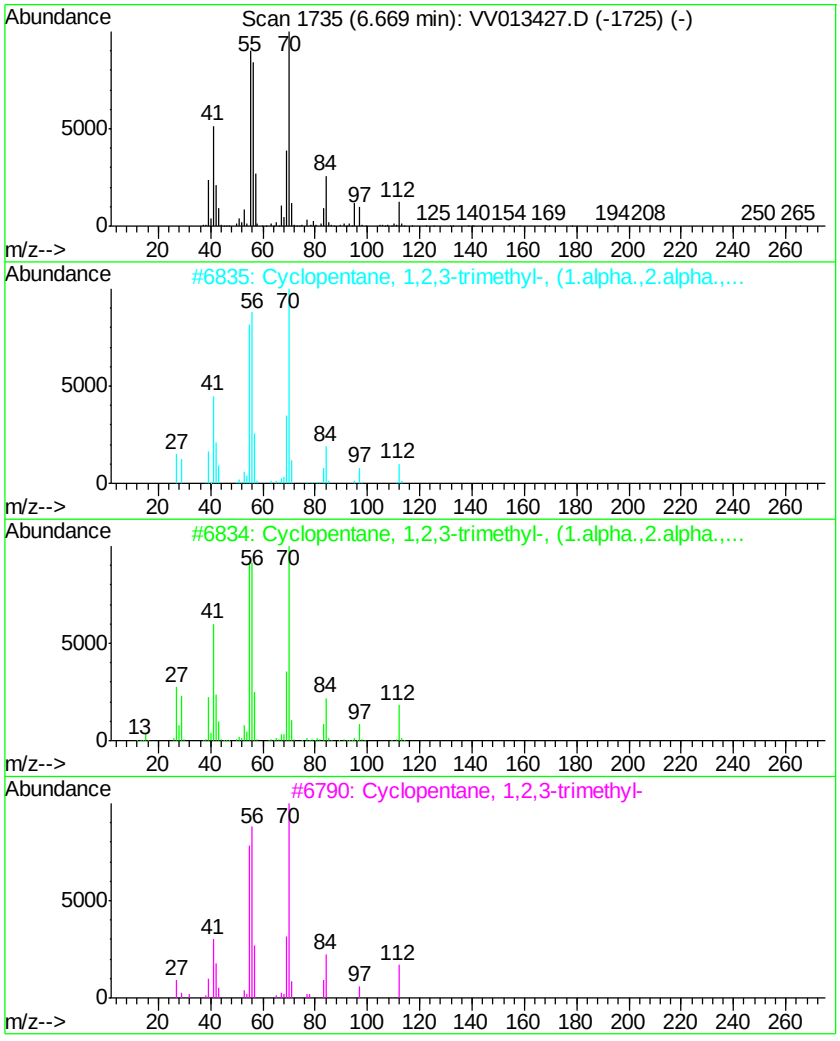
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

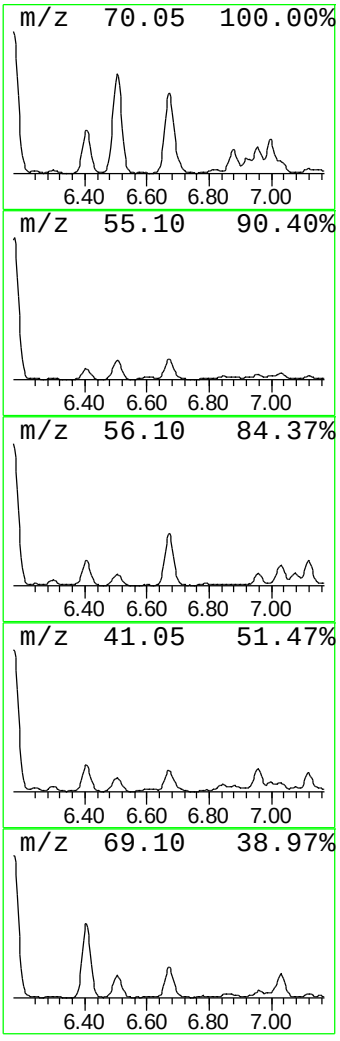
****

Peak Number 20 (DEL) Alkane: Cyclic-6.67 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	3.00 ug/L	770012	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	95
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
4	1-Octene, 3-methyl-	126	C9H18	013151-08-1	72
5	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

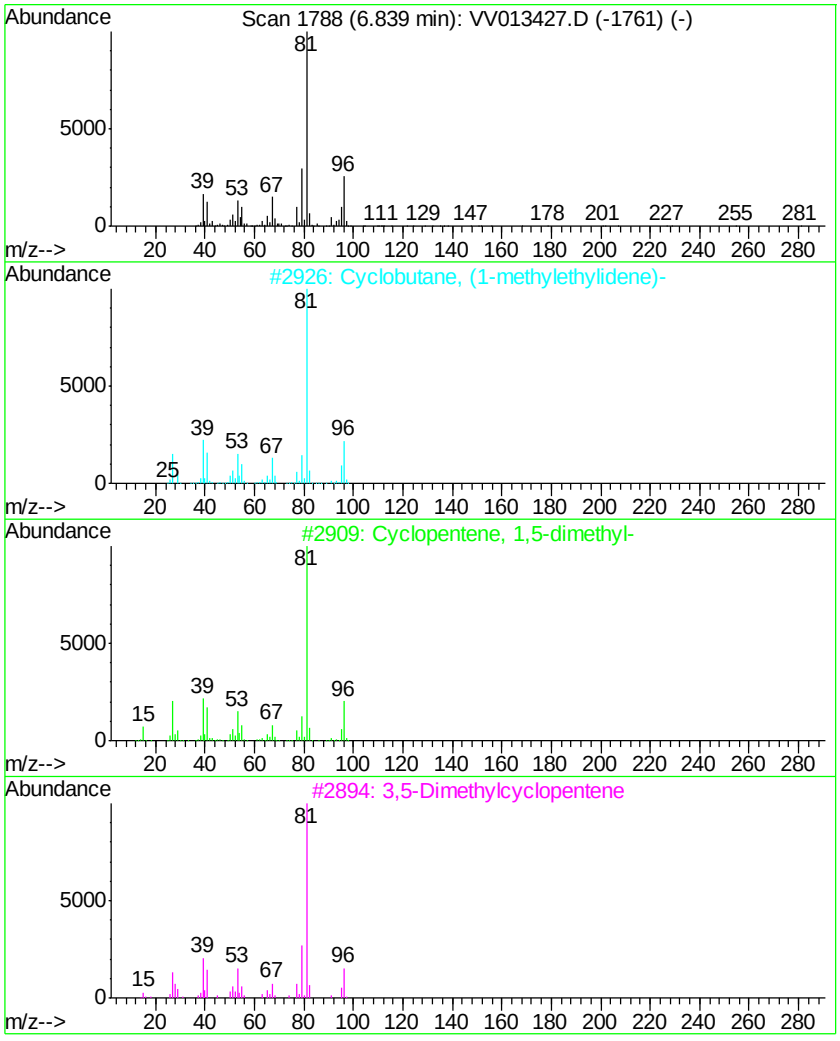
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

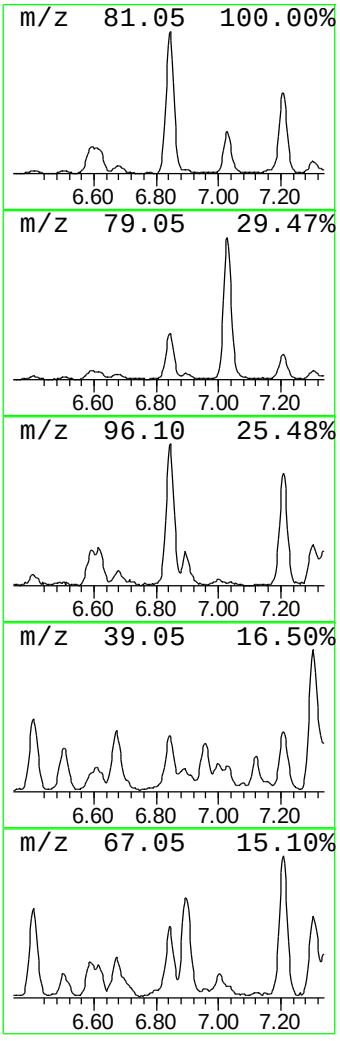
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Cyclobutane, (1-methylethyl... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	2.30 ug/L	590589	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	83
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
4	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72
5	Bicyclo[2.1.0]pentane, 1,4-dimet...	96	C7H12	017065-18-8	64





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

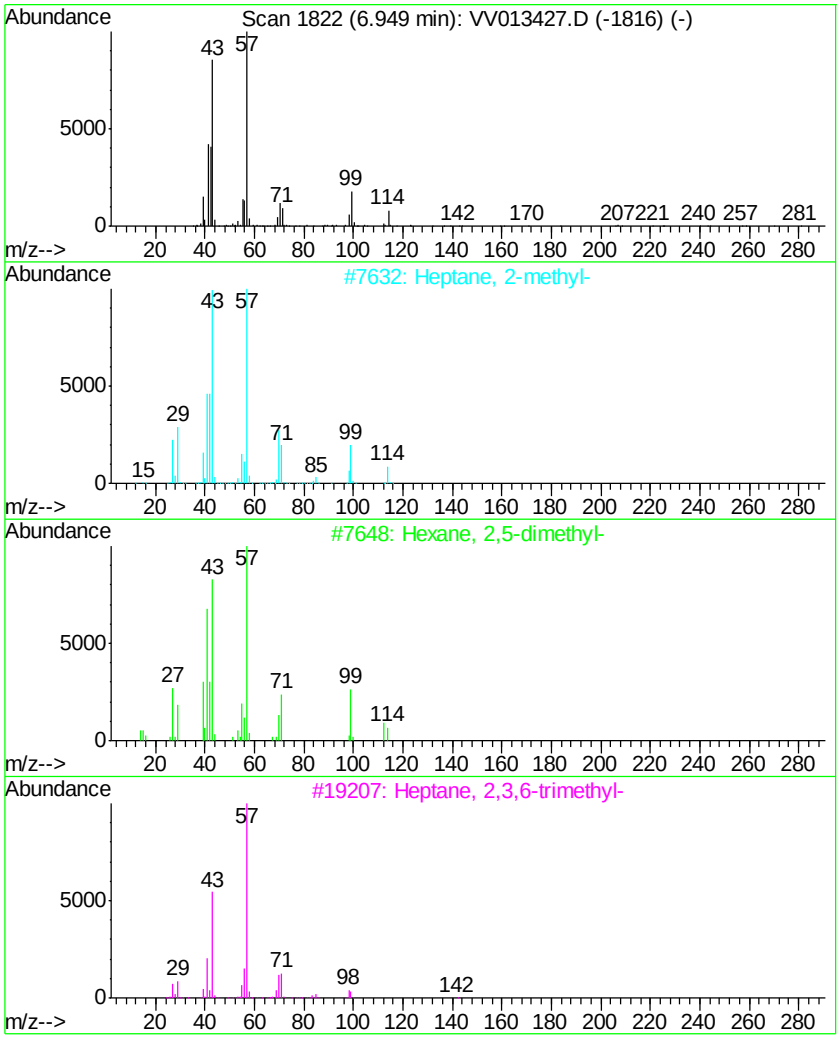
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

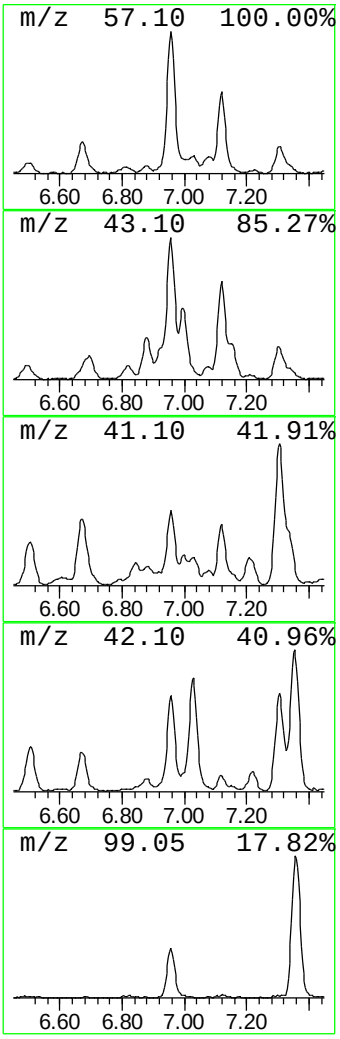
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	1.44 ug/L	367930	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	74
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	53
3	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	50
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	50
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	43





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

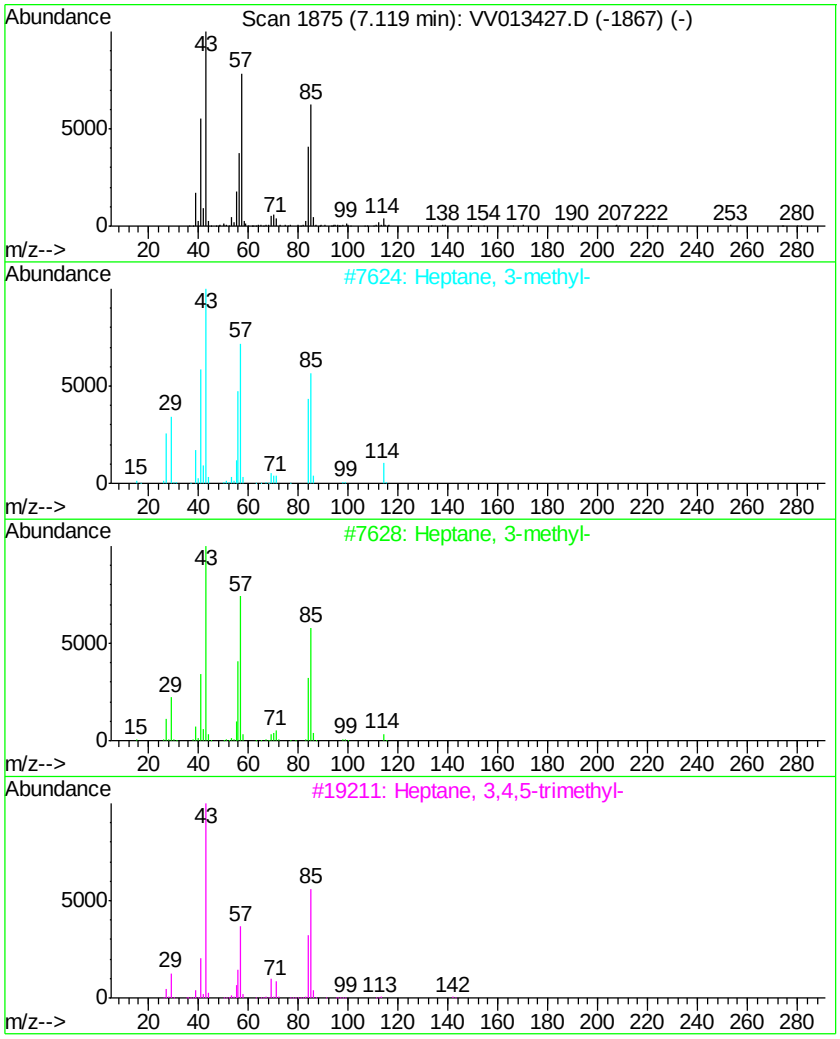
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

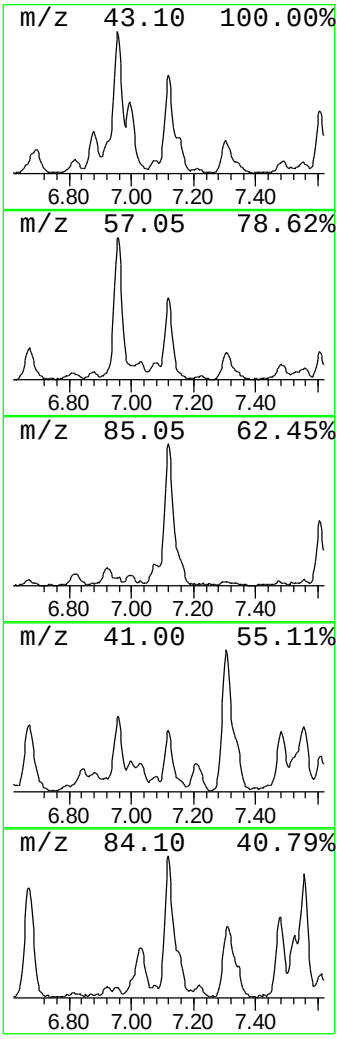
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	1.40 ug/L	357978	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	87
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	87
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	78
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
5	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

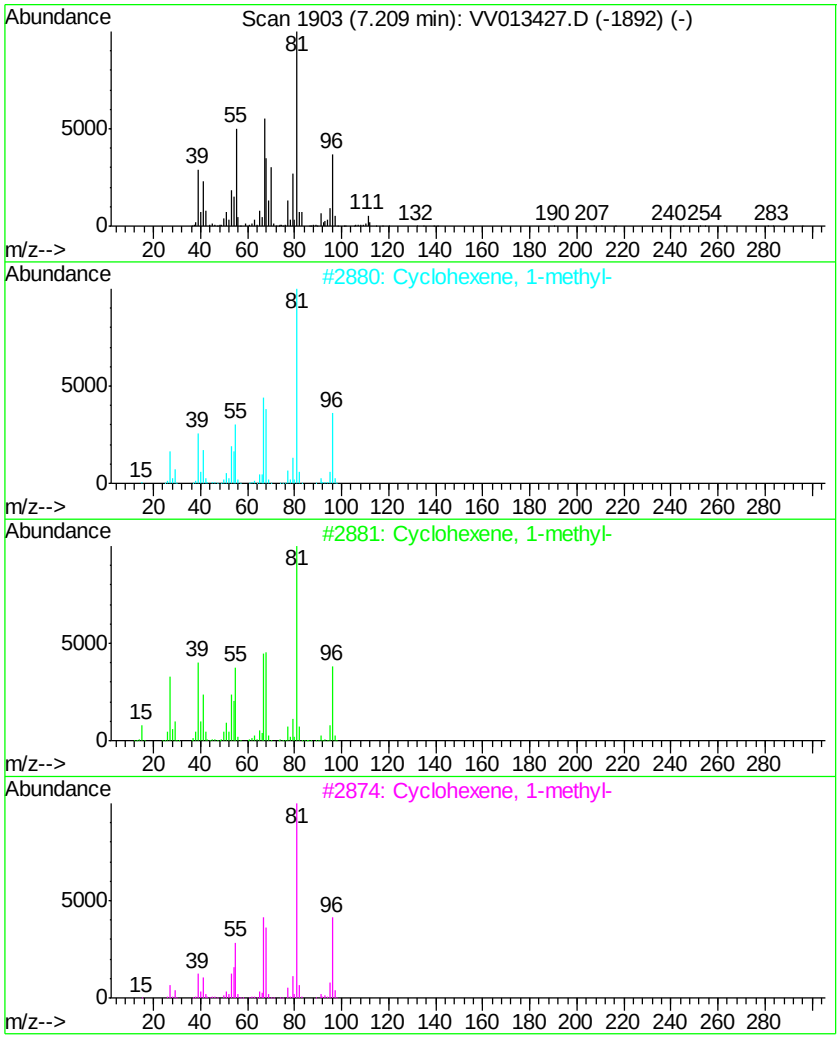
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

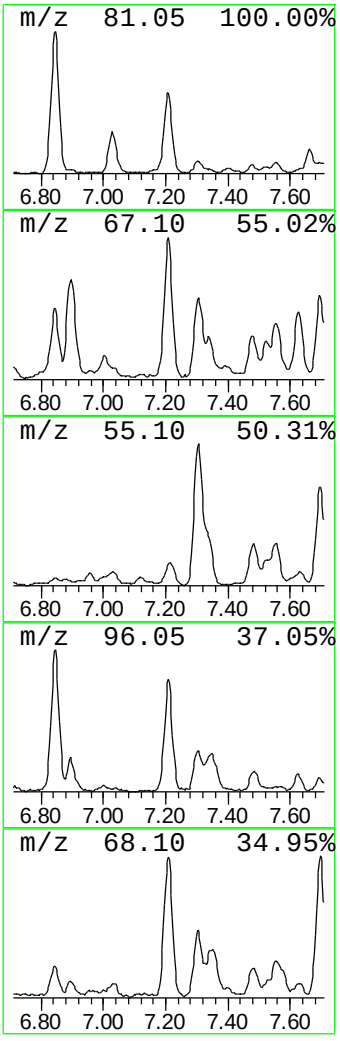
****

Peak Number 25 Cyclohexene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	2.15 ug/L	550738	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	91
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	81
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	76
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	70





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

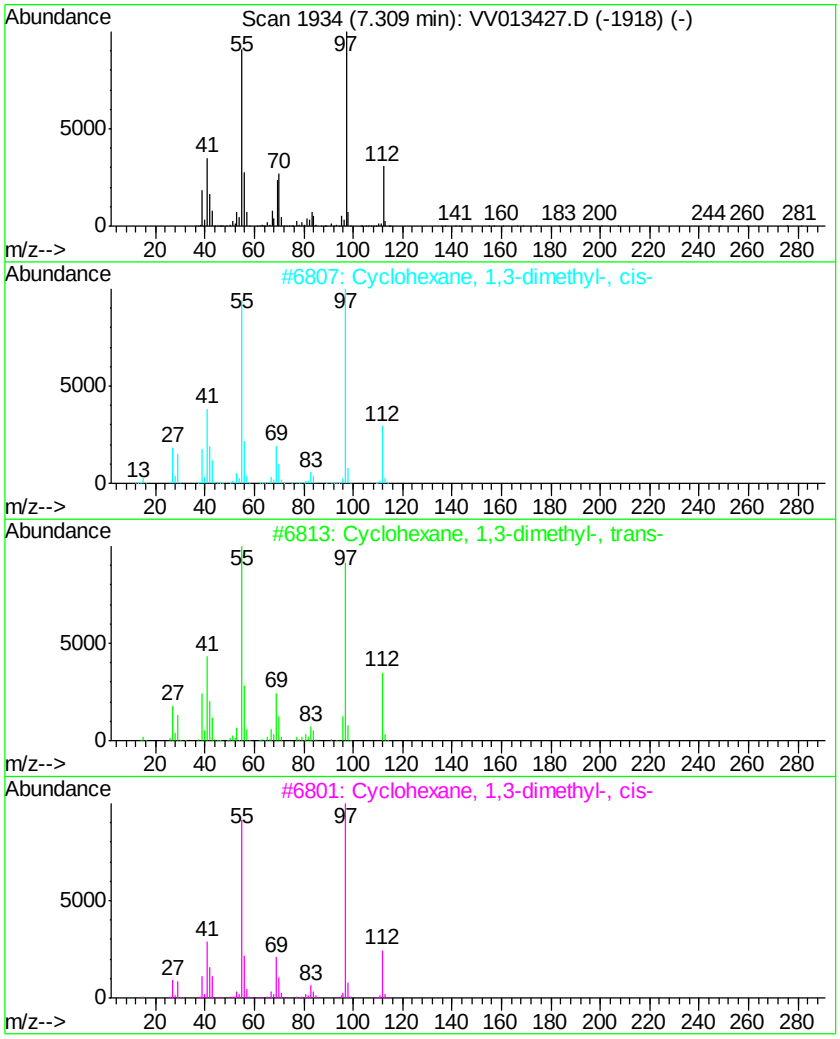
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

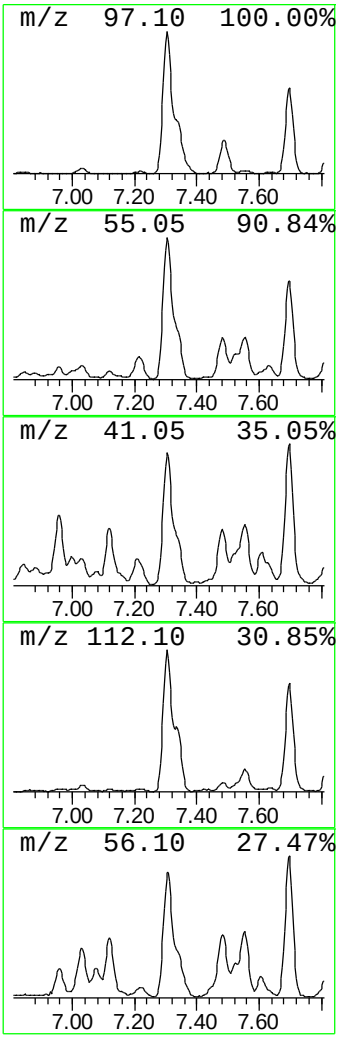
****

Peak Number 26 (DEL) Alkane: Cyclic-7.31 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	7.11 ug/L	1622260	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	93
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90





Library Search Compound Report

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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

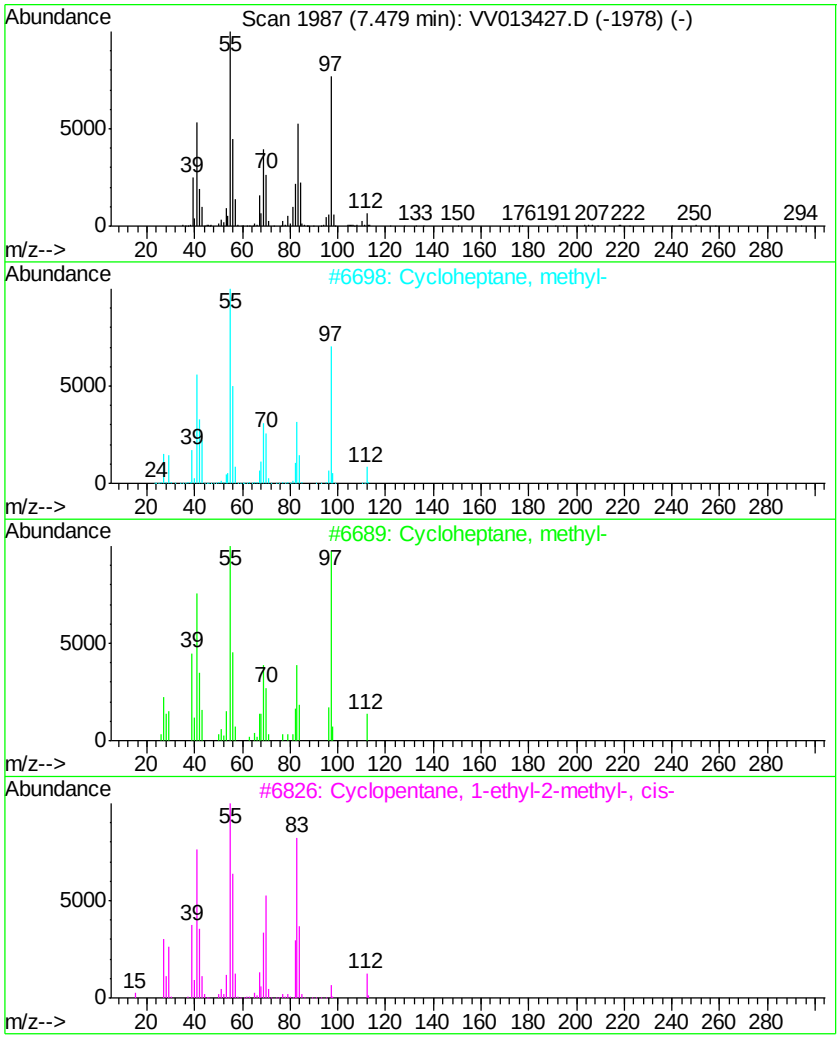
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

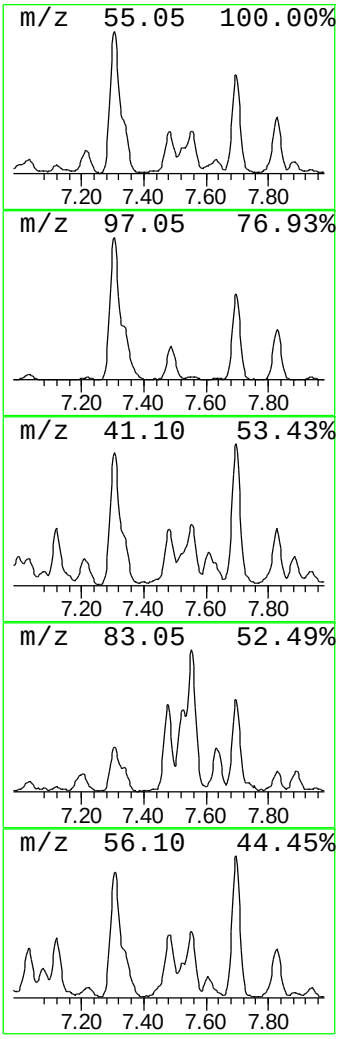
****

Peak Number 27 (DEL) Alkane: Cyclic-7.48 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	2.12 ug/L	483321	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, methyl-	112	C8H16	004126-78-7	91
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	91
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	60
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

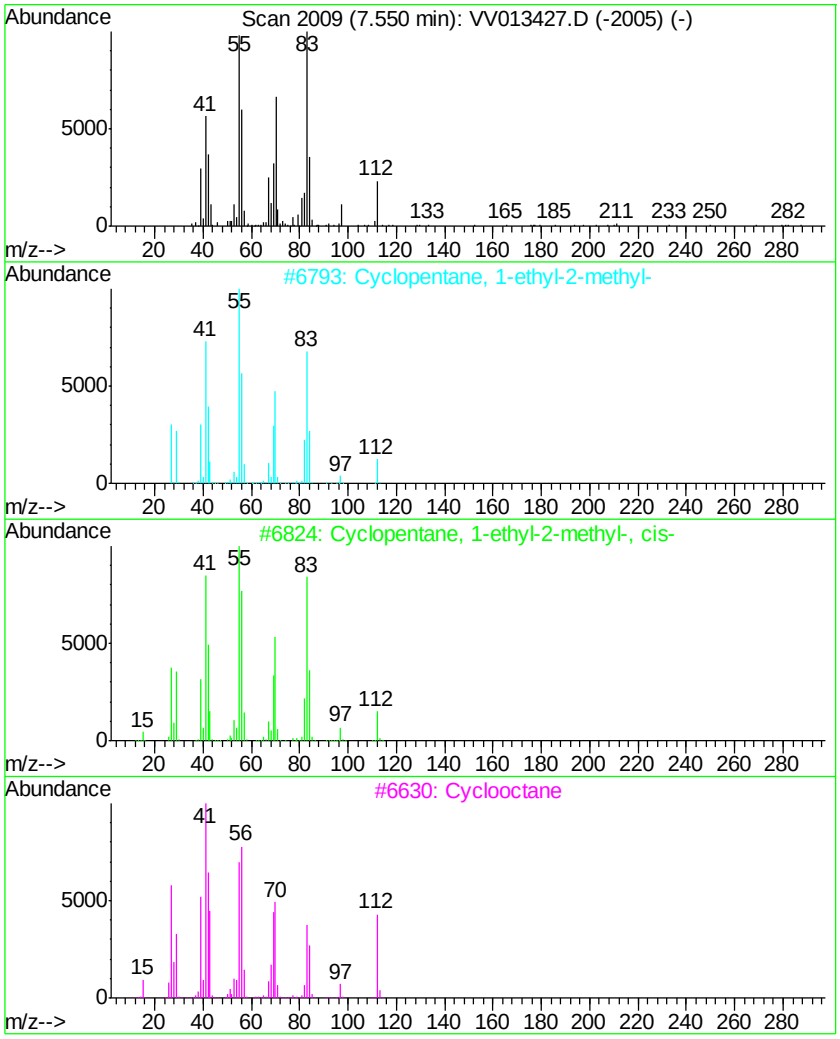
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

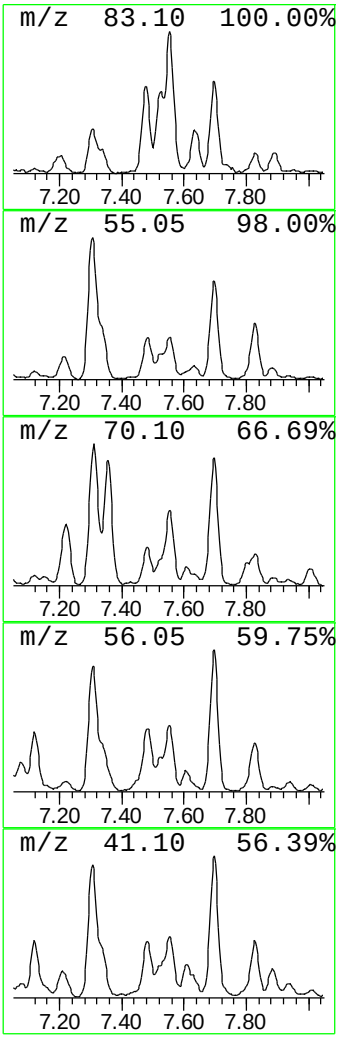
****

Peak Number 28 (DEL) Alkane: Cyclic-7.55 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	1.84 ug/L	419756	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	86
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	52
3	Cyclooctane	112	C8H16	000292-64-8	46
4	Cyclopropane, pentyl-	112	C8H16	002511-91-3	46
5	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

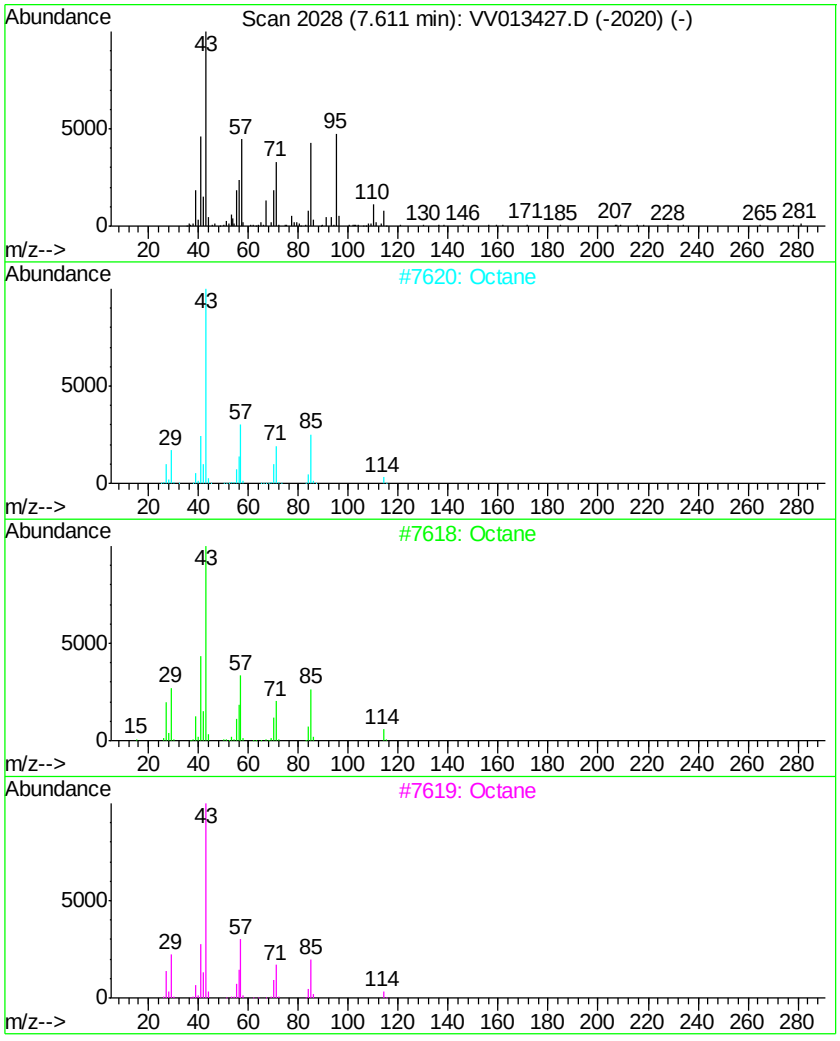
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

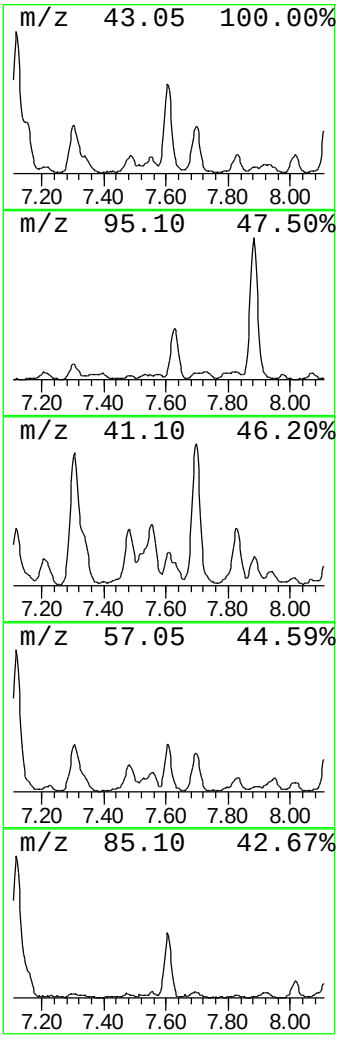
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	0.58 ug/L	131444	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	60
2	Octane	114	C8H18	000111-65-9	60
3	Octane	114	C8H18	000111-65-9	60
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	38
5	Nonane	128	C9H20	000111-84-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

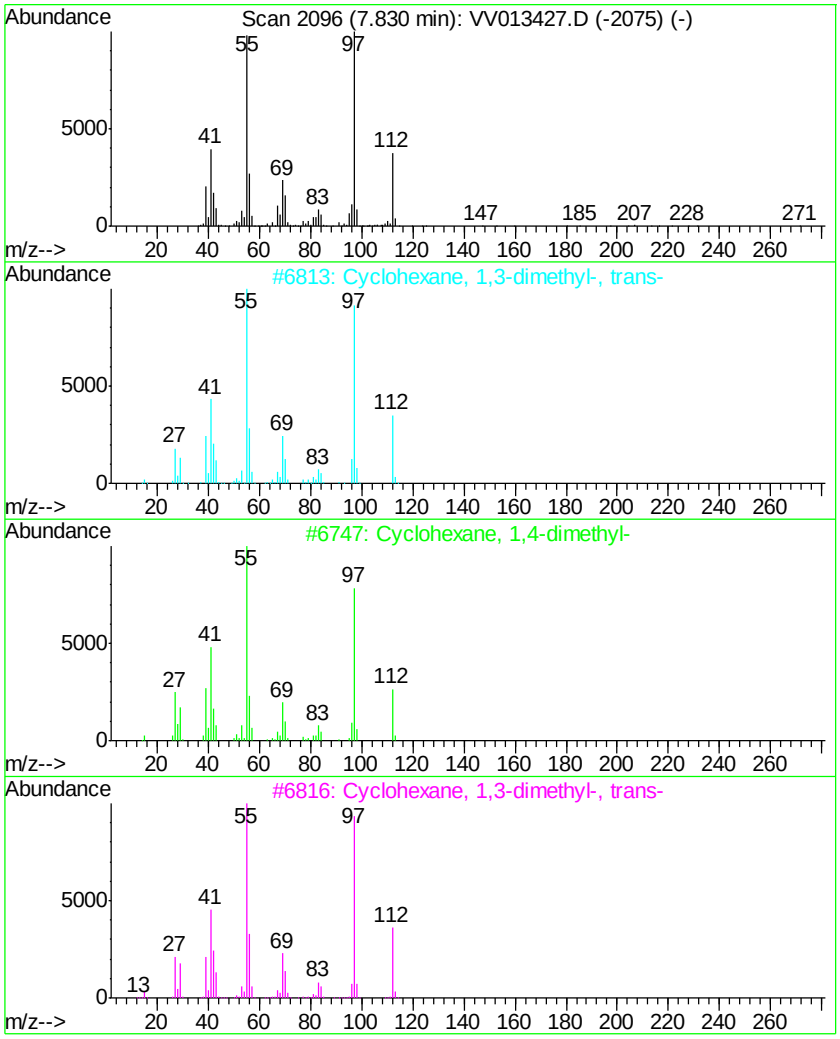
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

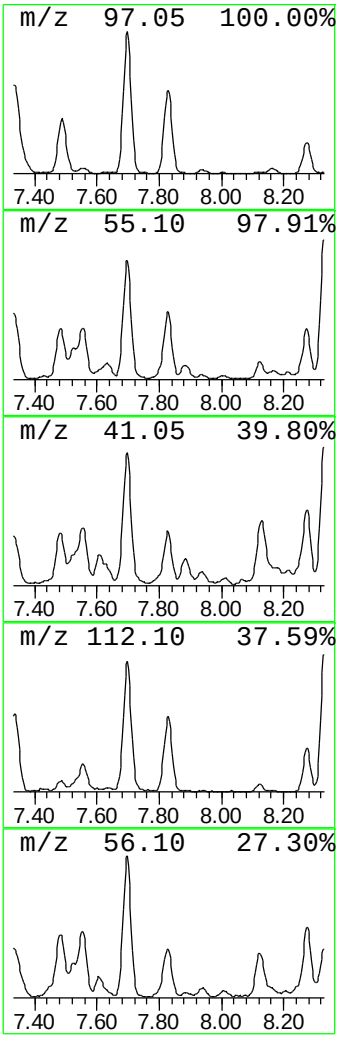
****

Peak Number 30 (DEL) Alkane: Cyclic-7.83 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	2.93 ug/L	669207	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	95
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	93
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

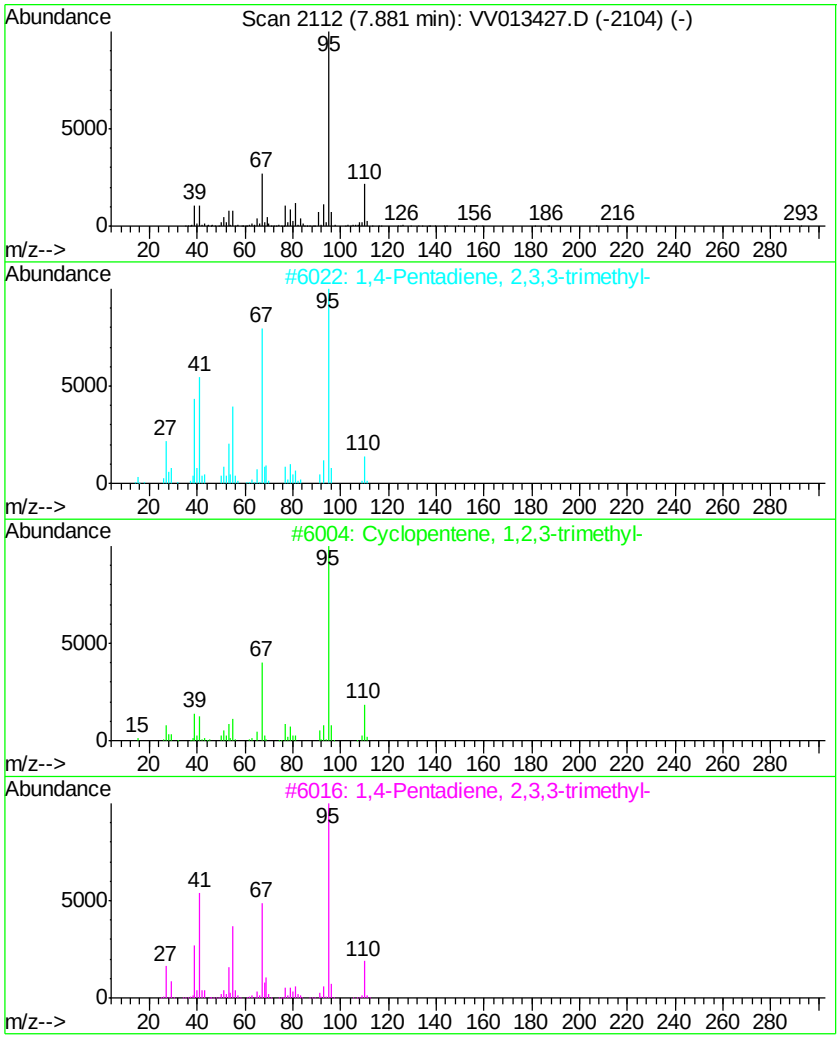
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

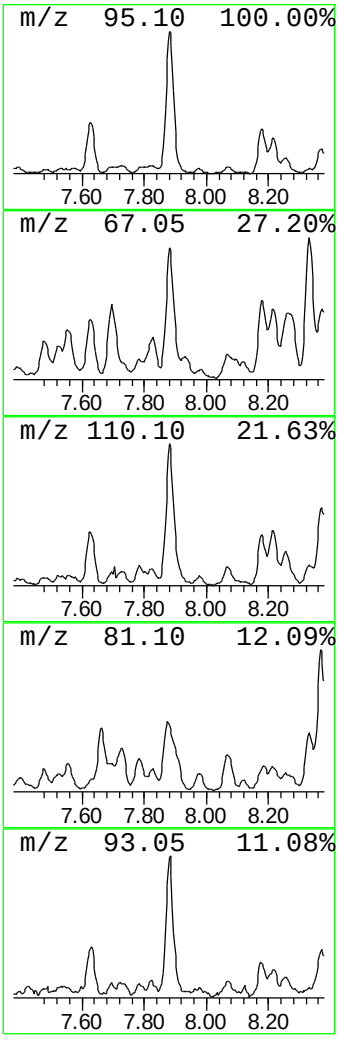
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 1,4-Pentadiene, 2,3,3-trime... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	1.89 ug/L	430171	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	87
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	81
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	80
4	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	74
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

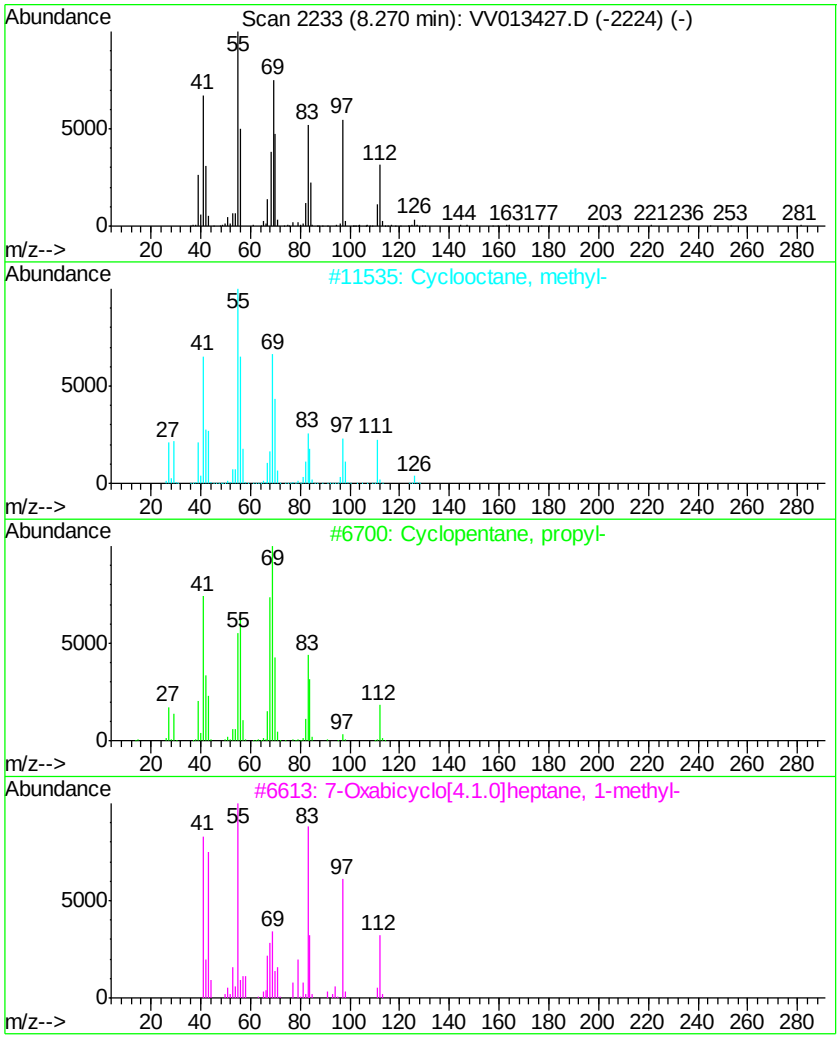
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

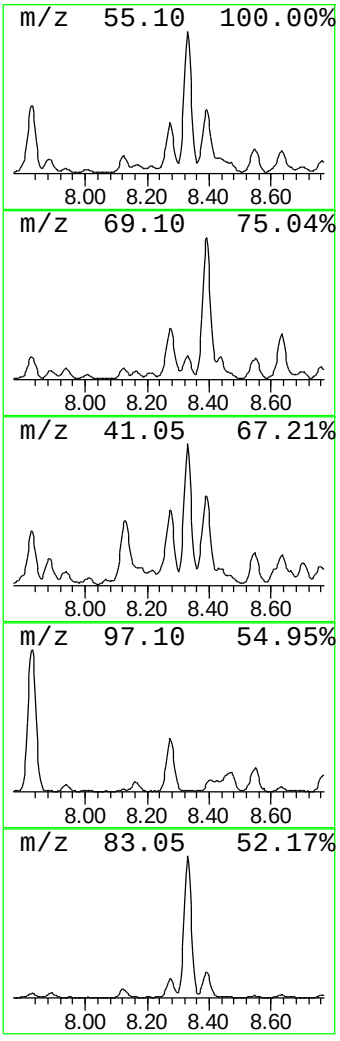
****

Peak Number 32 (DEL) Alkane: Cyclic-8.27 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	2.31 ug/L	526114	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, methyl-	126	C9H18	001502-38-1	64
2	Cyclopentane, propyl-	112	C8H16	002040-96-2	52
3	7-Oxabicyclo[4.1.0]heptane, 1-me...	112	C7H12O	001713-33-3	45
4	2-Octene	112	C8H16	000111-67-1	43
5	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

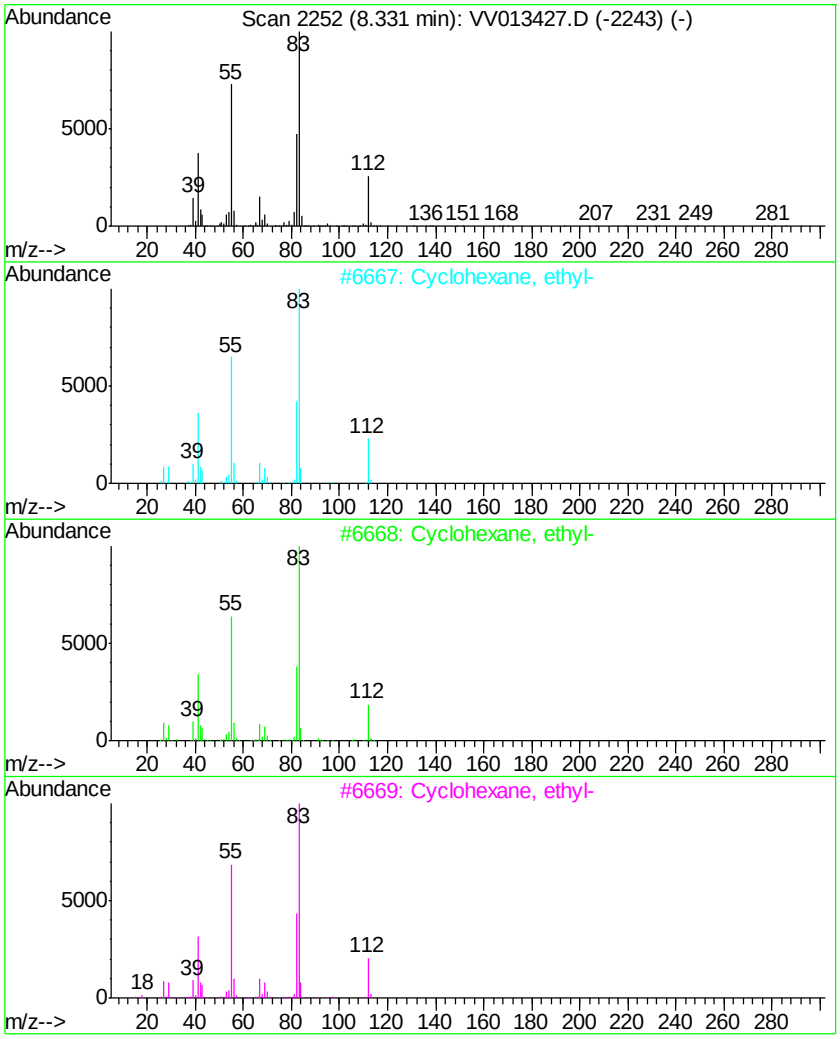
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

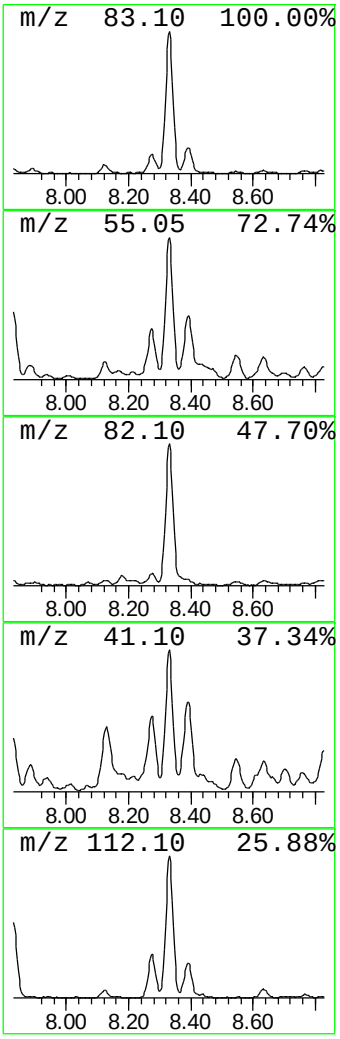
****

Peak Number 33 (DEL) Alkane: Cyclic8.33 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	4.52 ug/L	1030970	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	70
5	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

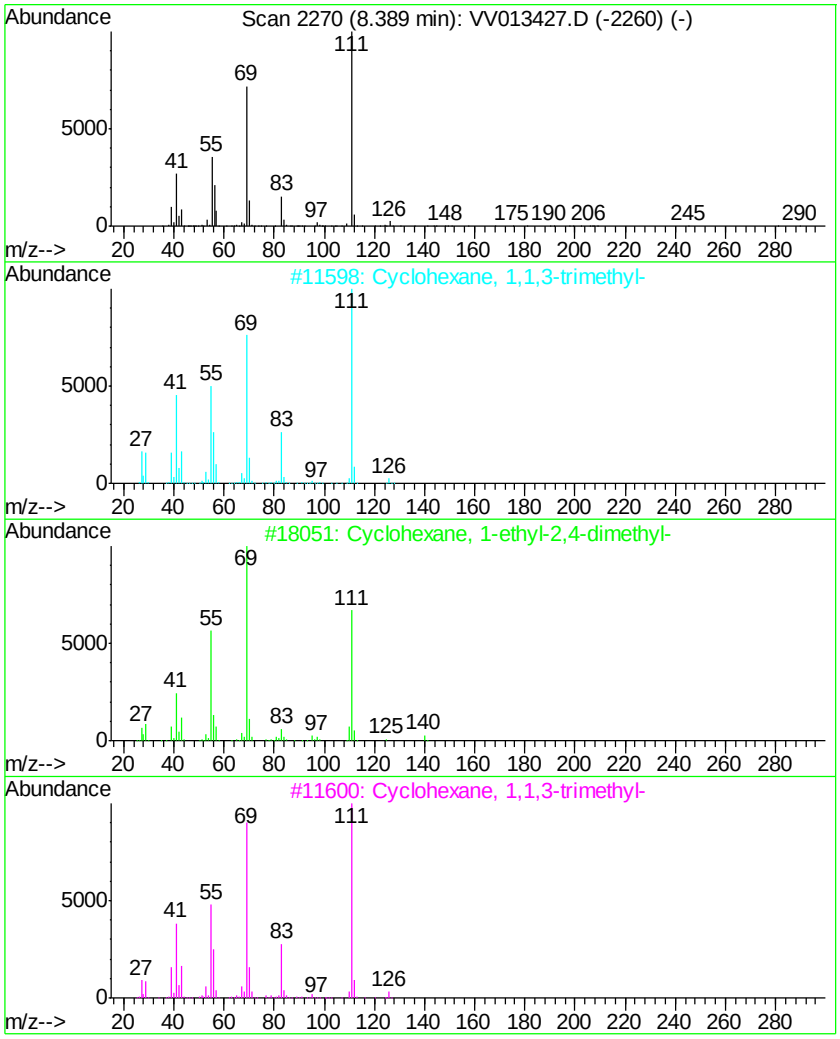
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

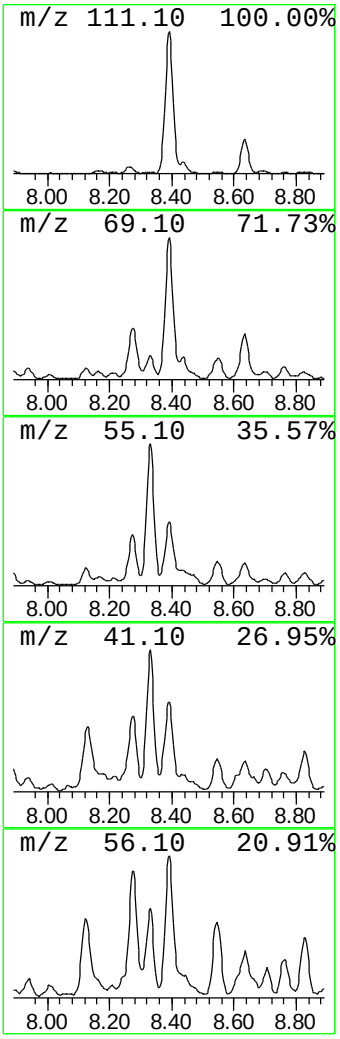
****

Peak Number 34 (DEL) Alkane: Cyclic-8.39 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	3.73 ug/L	850930	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	56
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	49
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	49
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

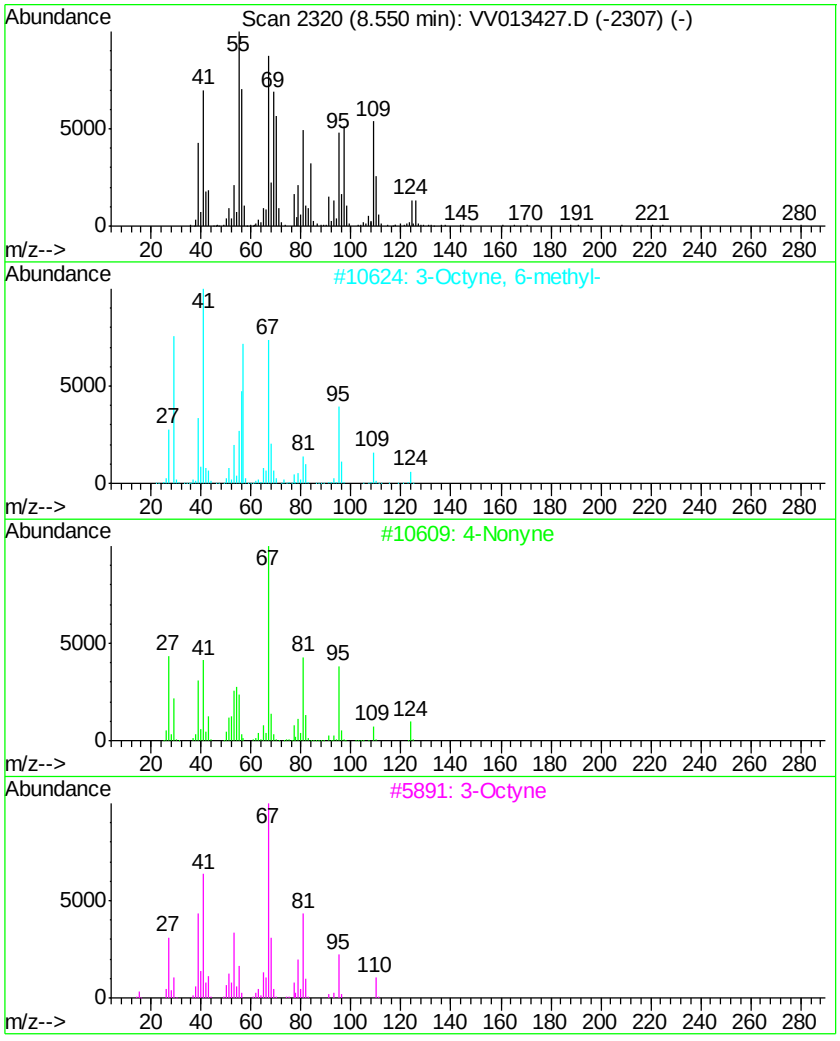
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

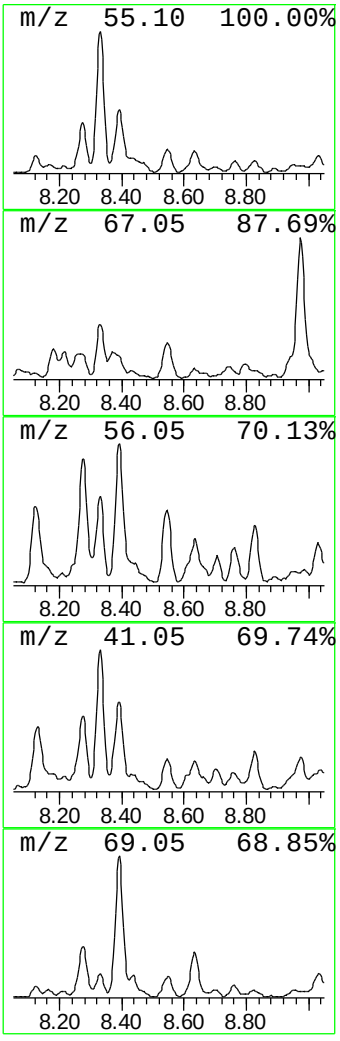
****

Peak Number 35 3-Octyne, 6-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	1.90 ug/L	433150	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octyne, 6-methyl-	124	C9H16	062108-34-3	50
2	4-Nonyne	124	C9H16	020184-91-2	38
3	3-Octyne	110	C8H14	015232-76-5	38
4	4-Octyne	110	C8H14	001942-45-6	35
5	2-Nonene, (E)-	126	C9H18	006434-78-2	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

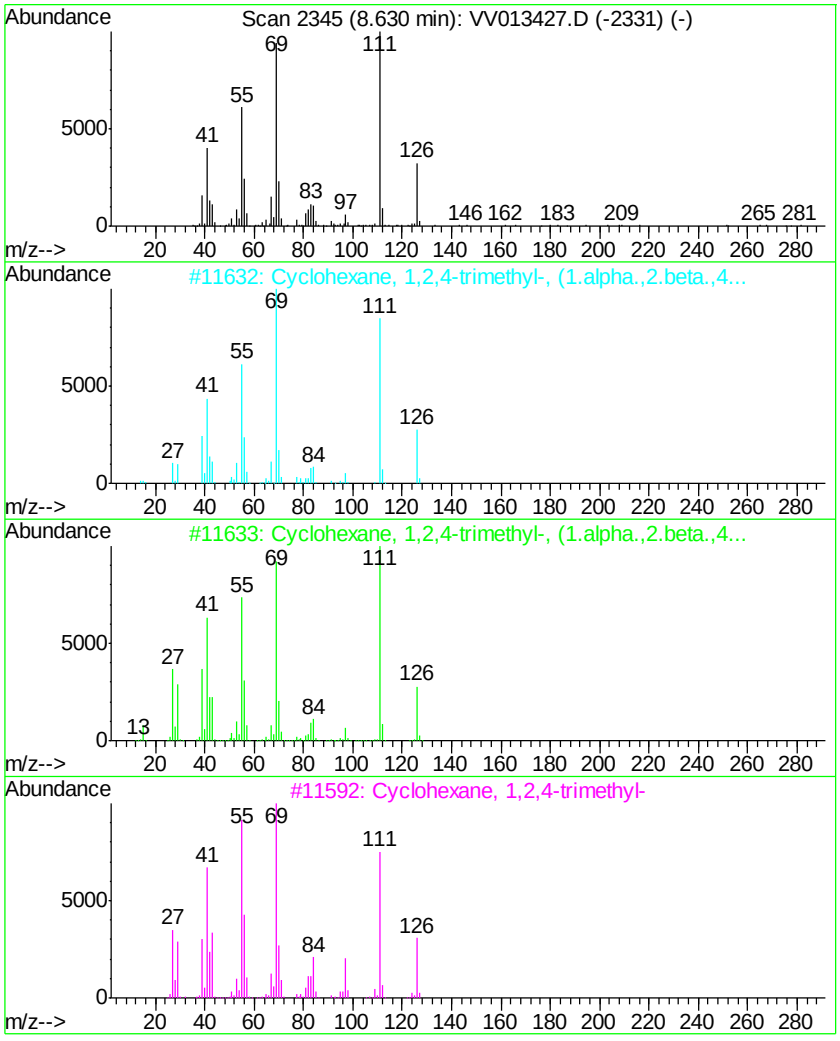
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

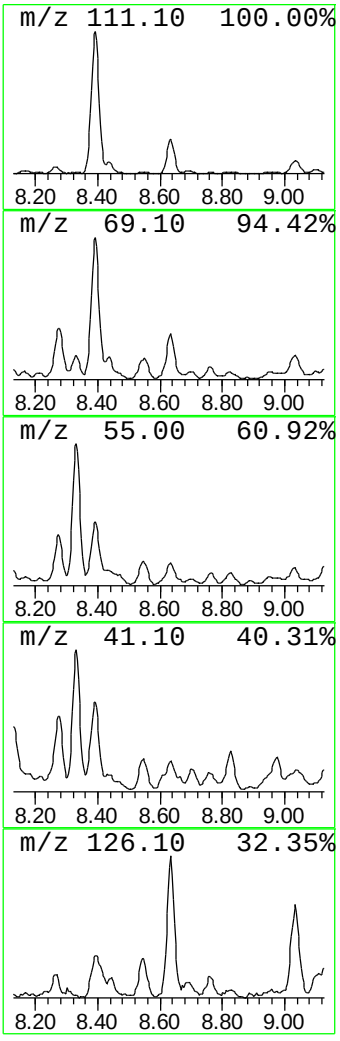
****

Peak Number 36 (DEL) Alkane: Cyclic-8.63 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	2.08 ug/L	473597	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

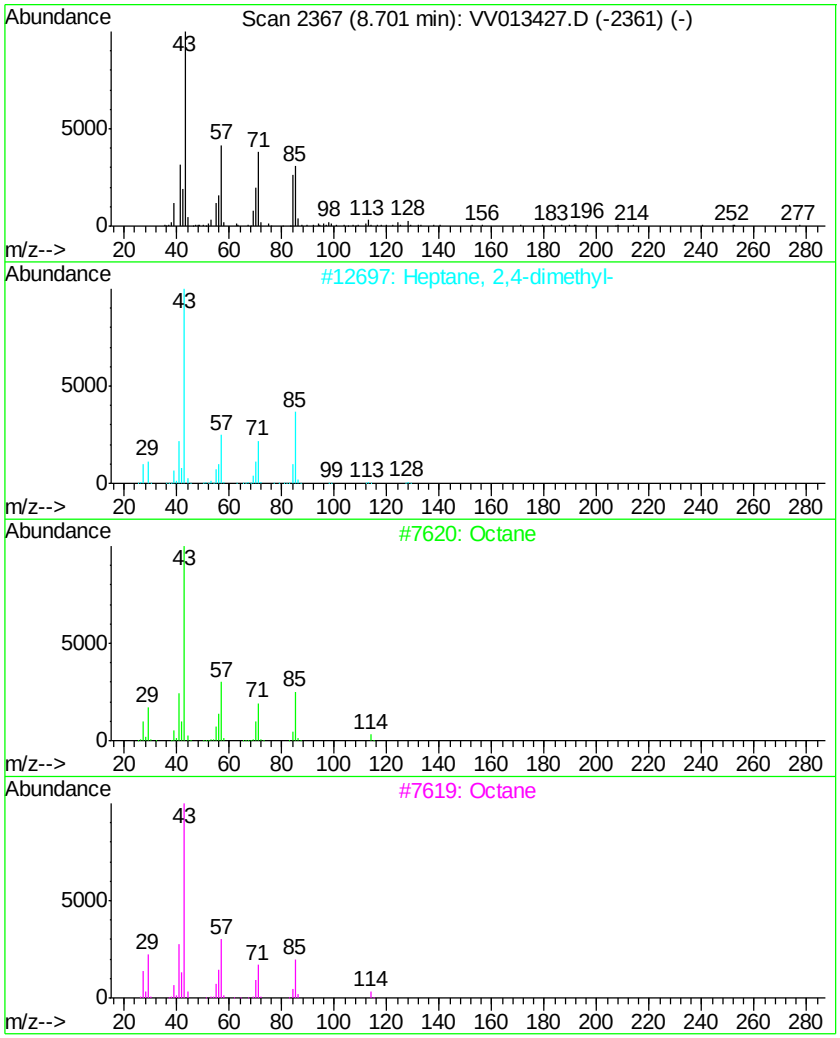
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

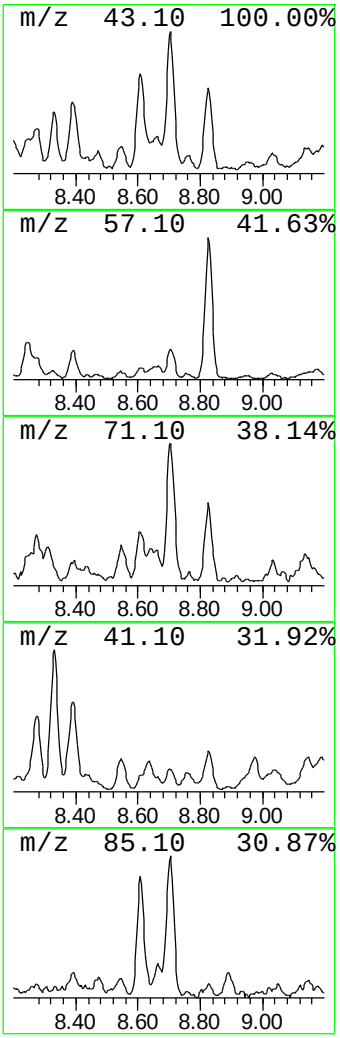
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	0.52 ug/L	118875	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2	Octane	114	C8H18	000111-65-9	62
3	Octane	114	C8H18	000111-65-9	59
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	59
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

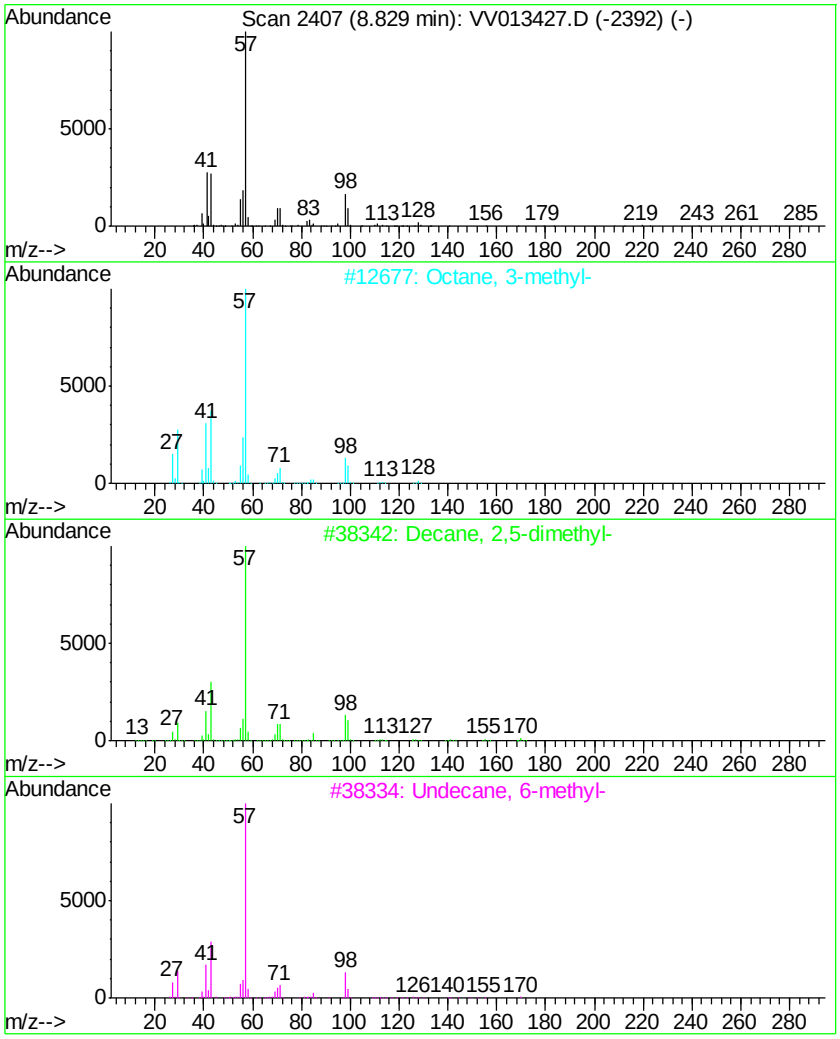
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

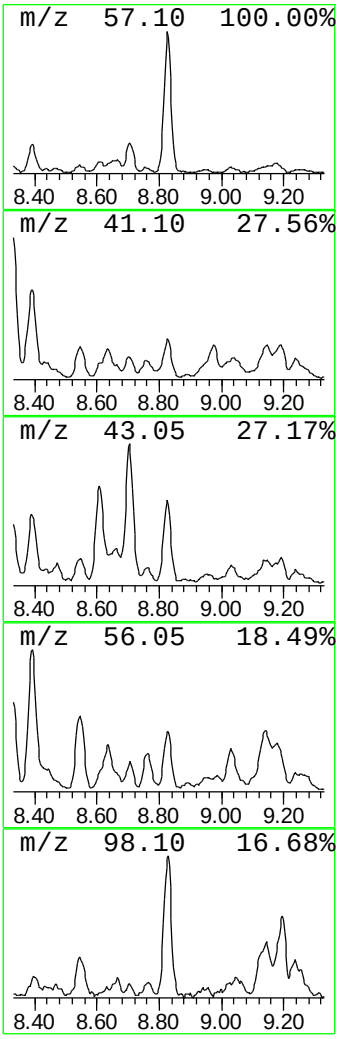
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	1.63 ug/L	371304	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	74
2	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	72
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	72
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	72
5	Octane, 3-methyl-	128	C9H20	002216-33-3	72





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

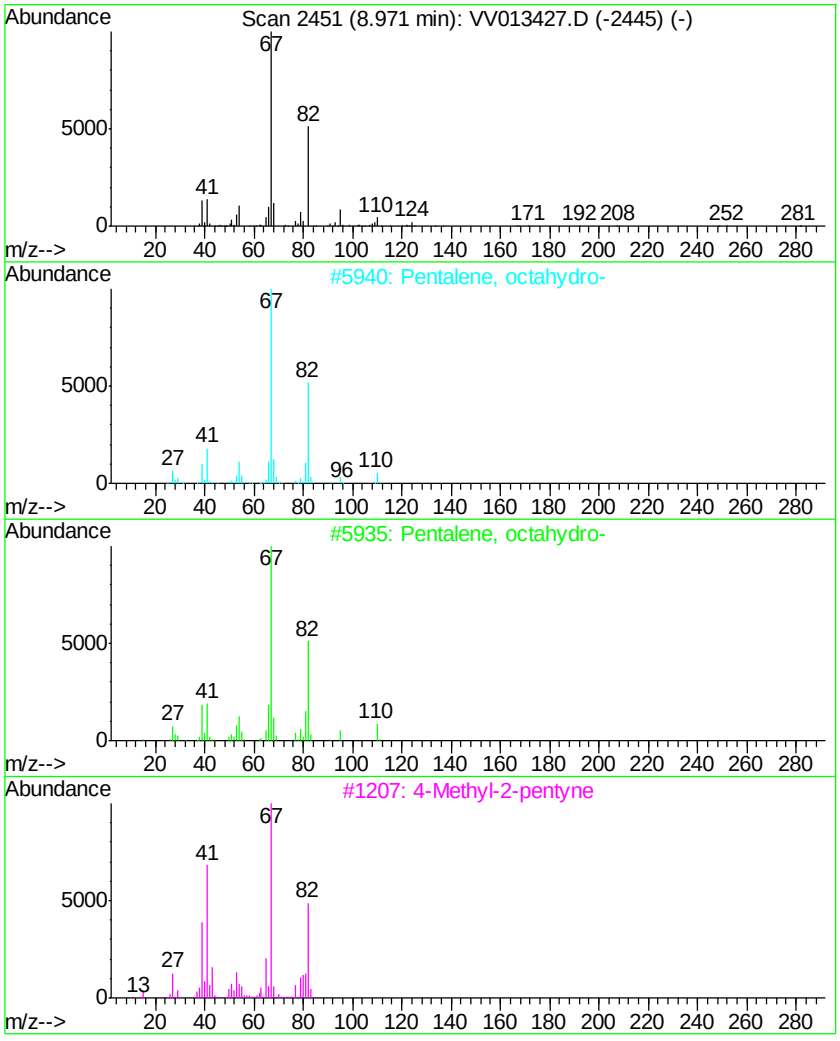
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

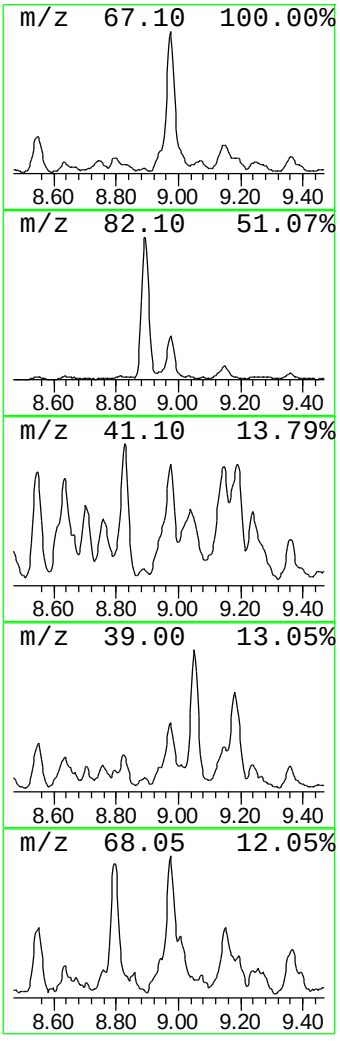
****

Peak Number 39 Pentalene, octahydro- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	1.19 ug/L	270706	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	90
2	Pentalene, octahydro-	110	C8H14	000694-72-4	87
3	4-Methyl-2-pentyne	82	C6H10	021020-27-9	78
4	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	72
5	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	64





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

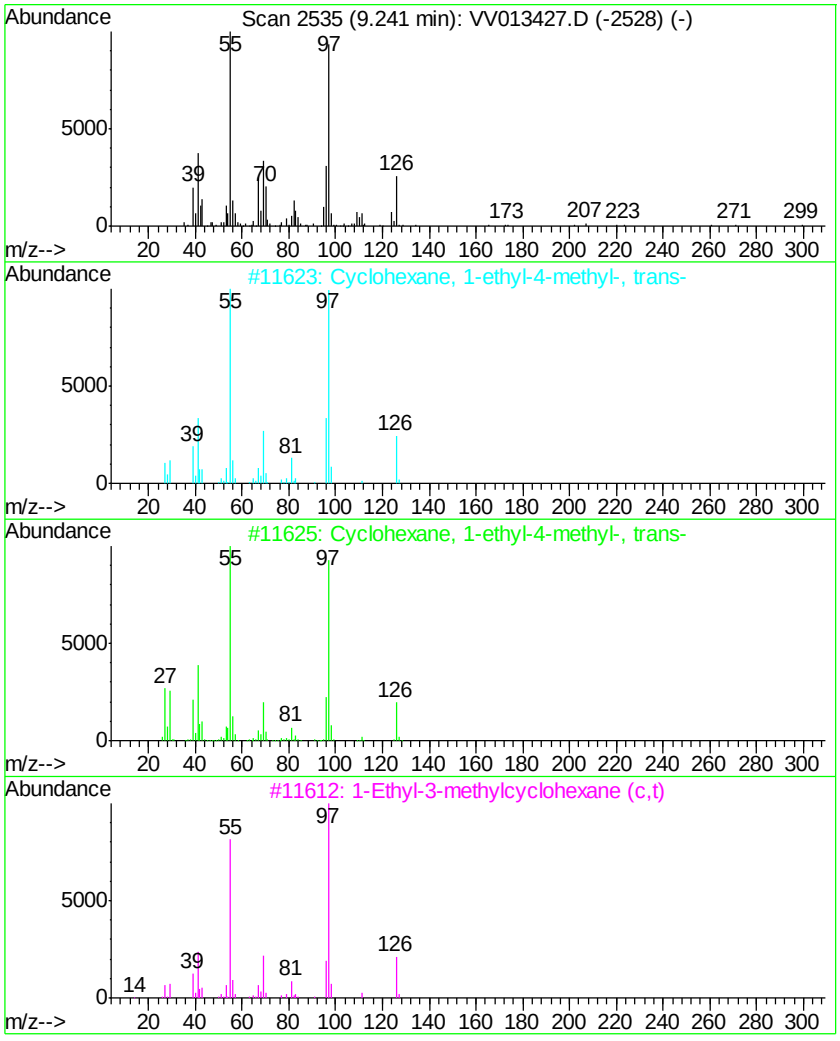
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

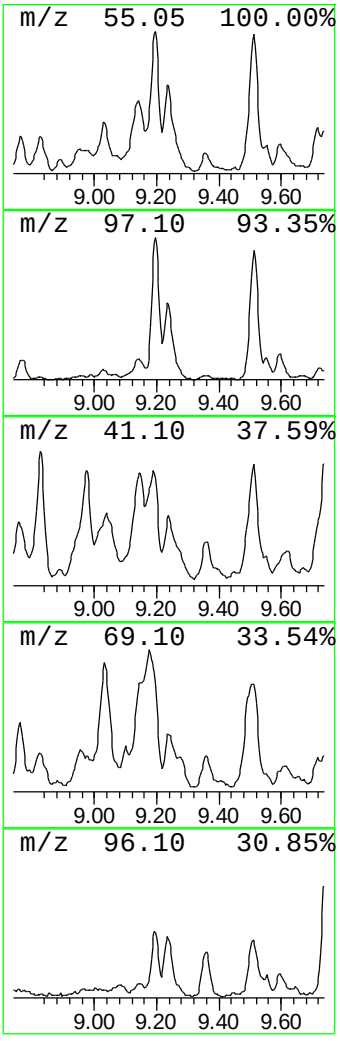
****

Peak Number 40 (DEL) Alkane: Cyclic-9.24 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	1.48 ug/L	337377	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	74
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
4	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	64
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

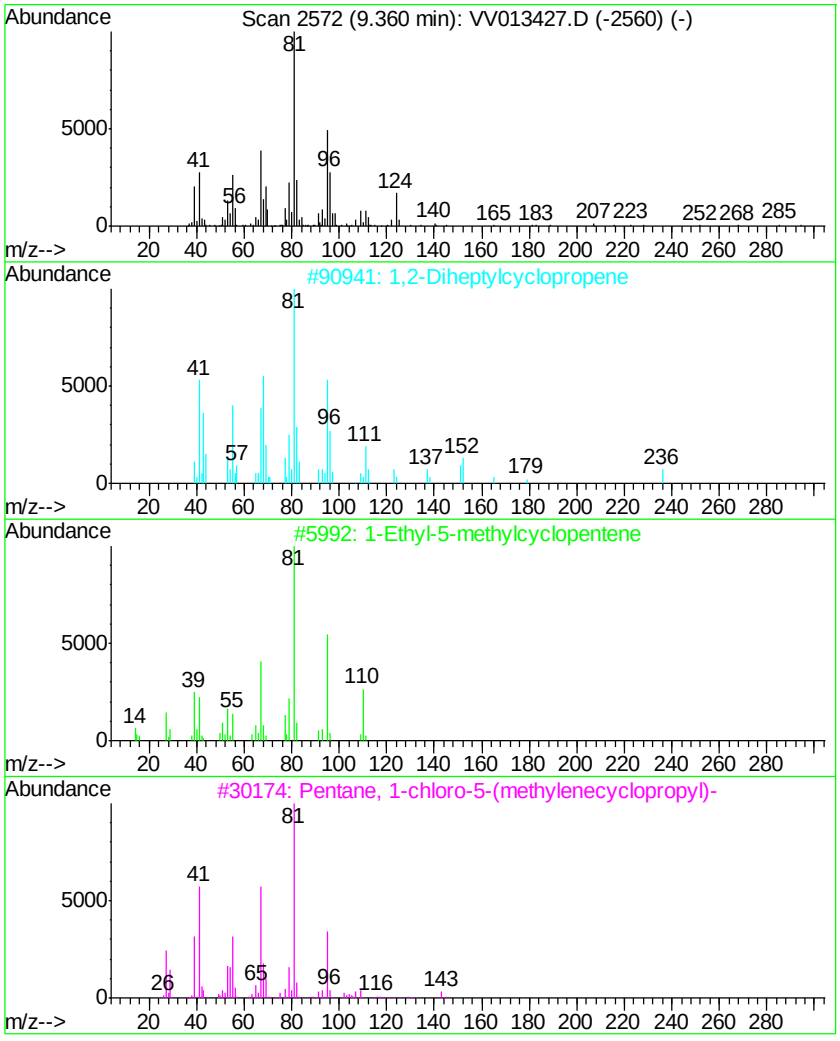
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

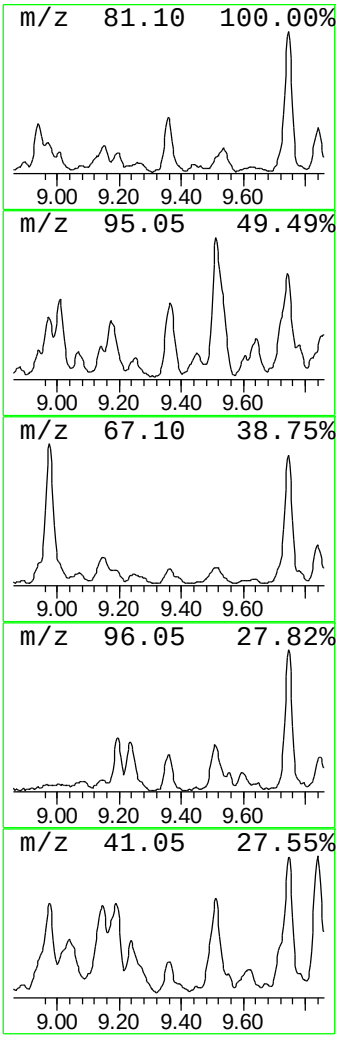
****

Peak Number 41 1,2-Diheptylcyclopropene Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	1.12 ug/L	256185	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Diheptylcyclopropene	236	C17H32	035365-53-8	78
2	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	59
3	Pentane, 1-chloro-5-(methylenecy...	158	C9H15Cl	1000158-49-0	59
4	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	58
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	58





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

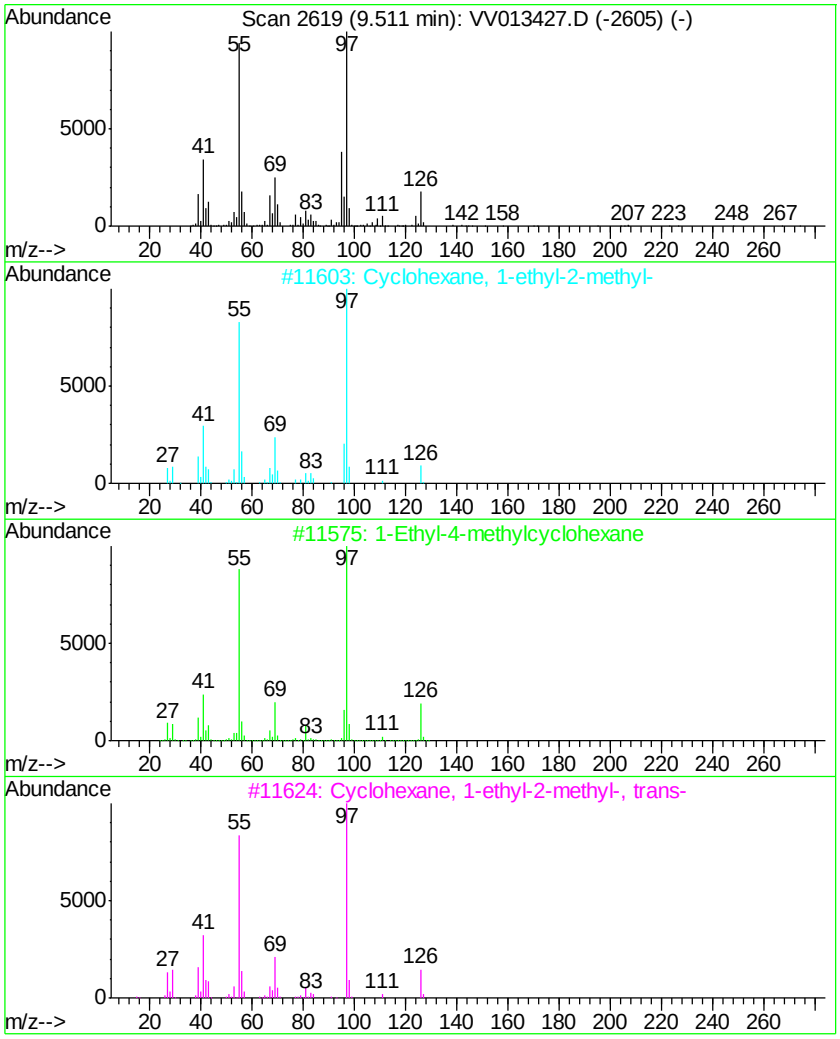
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

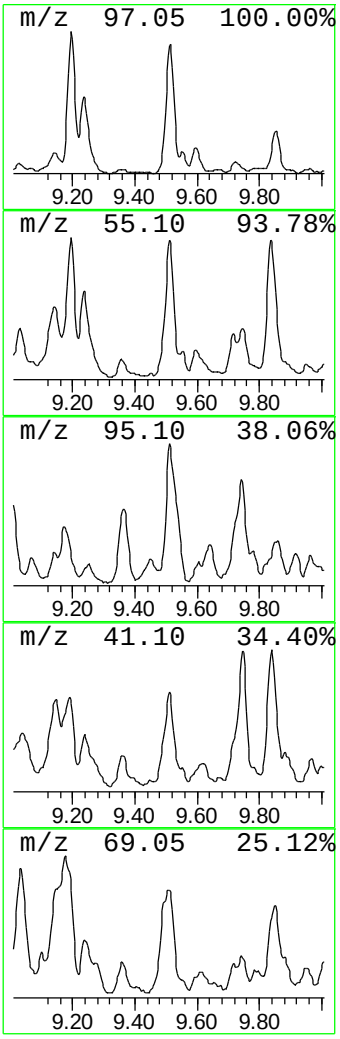
****

Peak Number 42 (DEL) Alkane: Cyclic-9.51 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	2.55 ug/L	580927	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	52





Library Search Compound Report

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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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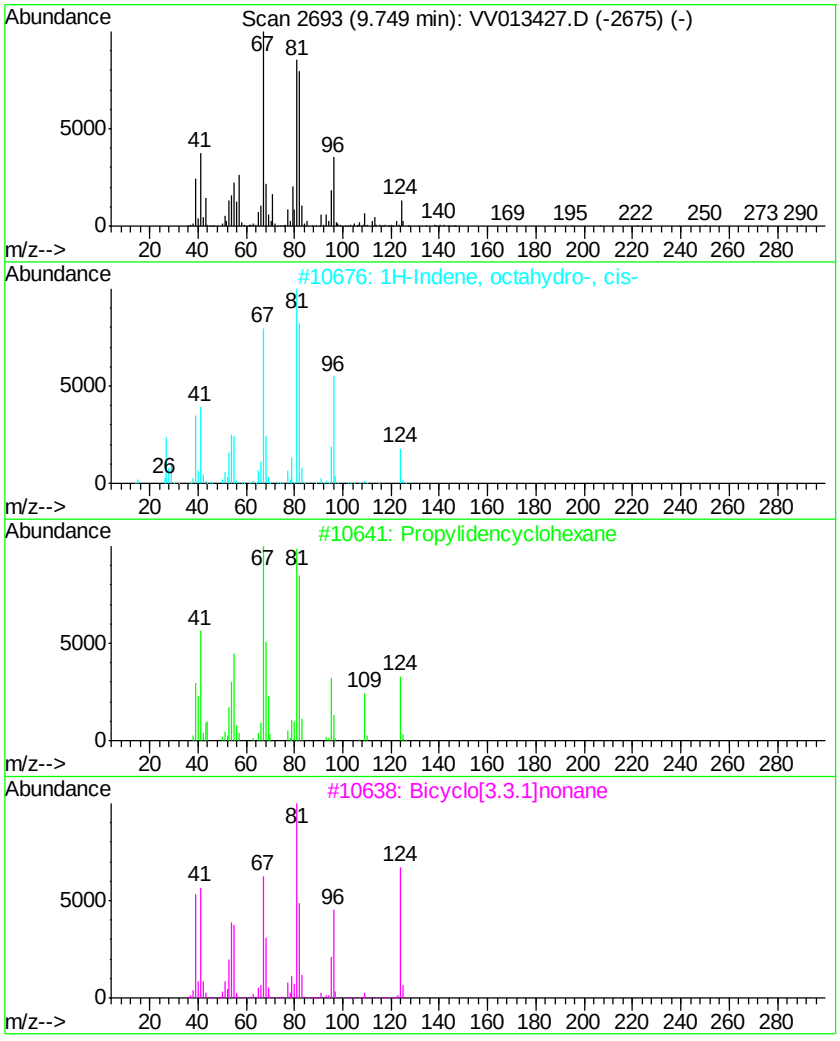
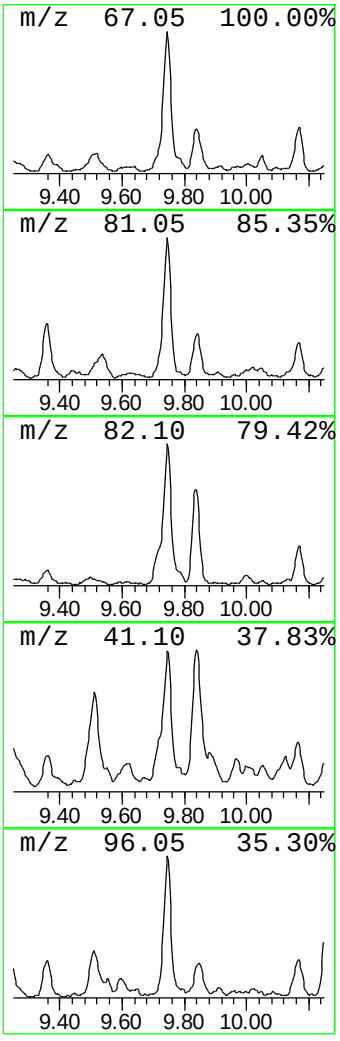
Peak Number 43 1H-Indene, octahydro-, cis- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	4.07 ug/L	929035	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	64
2	Propylidencyclohexane	124	C9H16	002129-93-3	62
3	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	49
4	Cyclohexane, 1-propenyl-	124	C9H16	005364-83-0	46
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	43





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

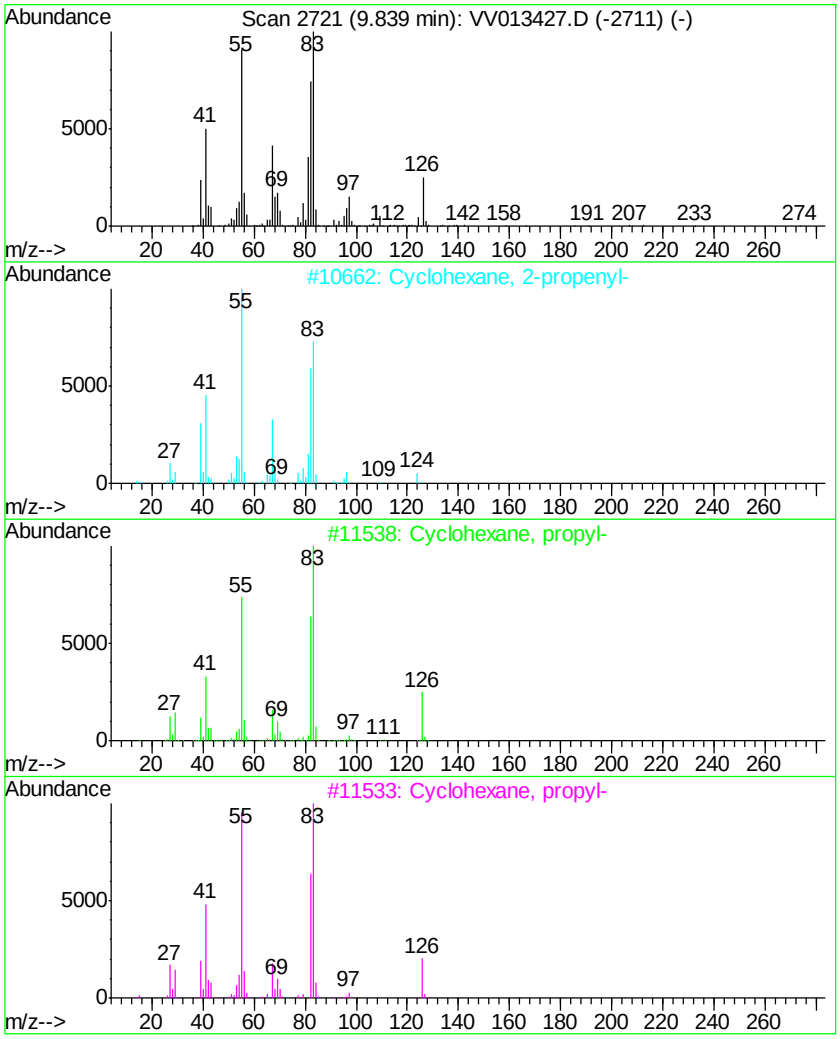
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

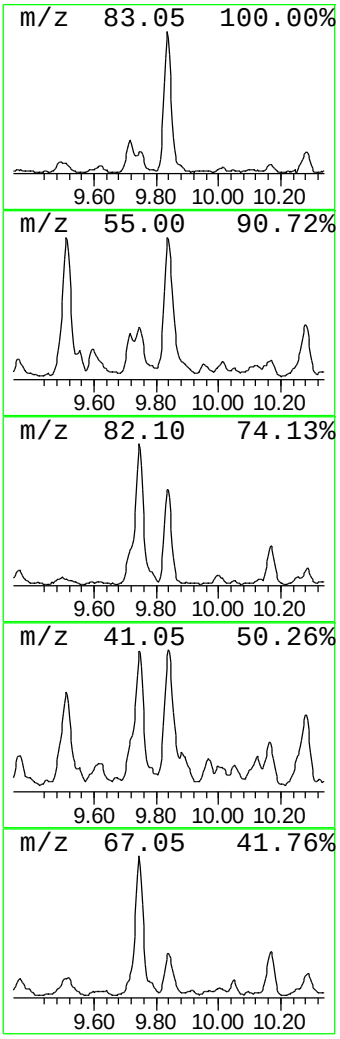
****

Peak Number 44 Cyclohexane, 2-propenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	2.52 ug/L	574023	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	94
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	76
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	76
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	68





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

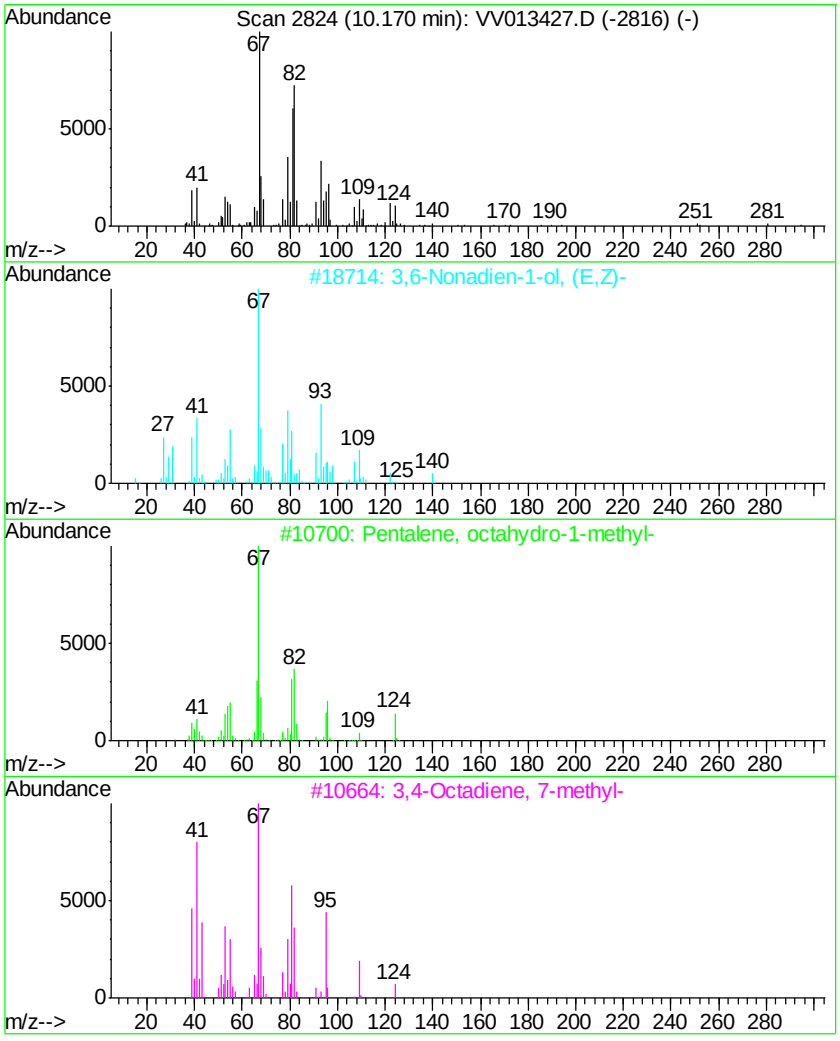
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

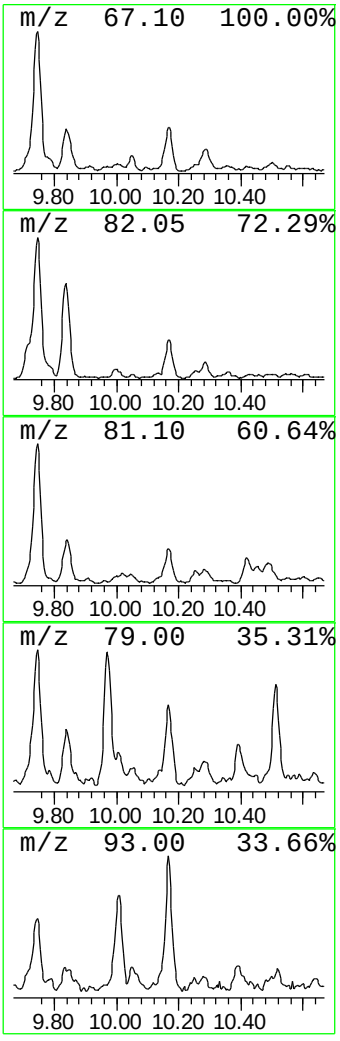
****

Peak Number 45 3,6-Nonadien-1-ol, (E,Z)- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	0.86 ug/L	265375	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Nonadien-1-ol, (E,Z)-	140	C9H16O	056805-23-3	60
2	Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	60
3	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	53
4	Propylidencyclohexane	124	C9H16	002129-93-3	50
5	Bicyclo[2.2.1]heptane, 2-ethenyl-	122	C9H14	002146-39-6	49





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

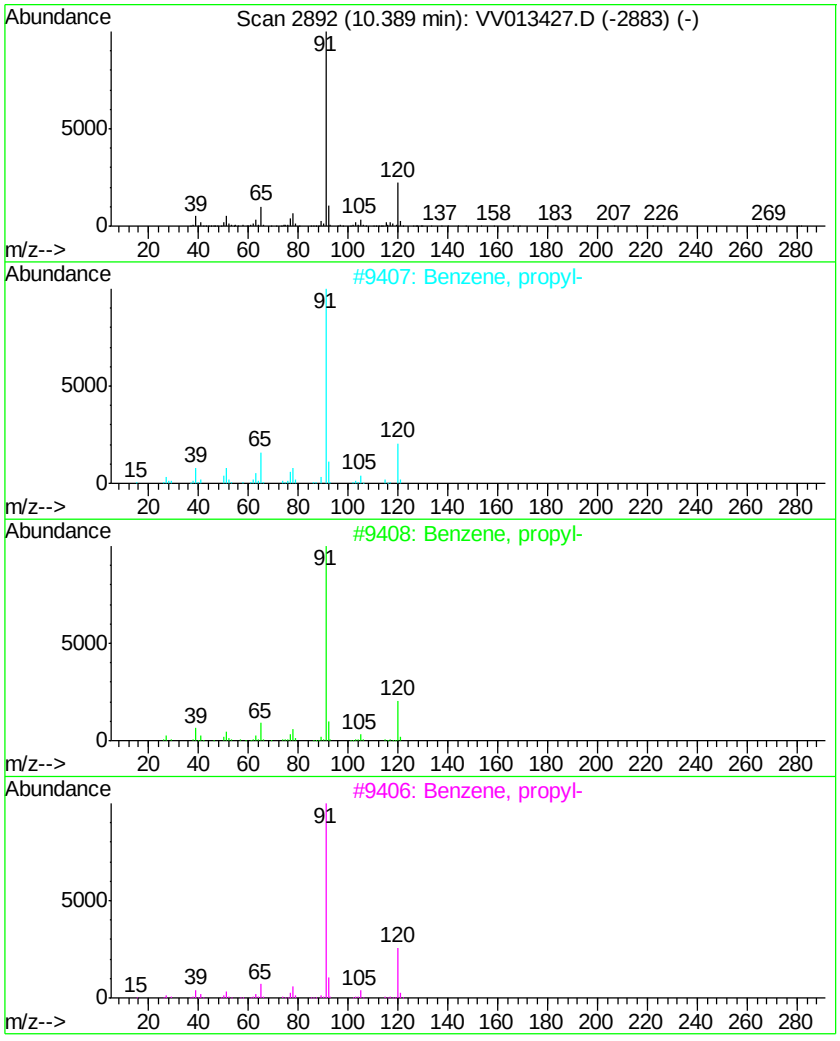
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

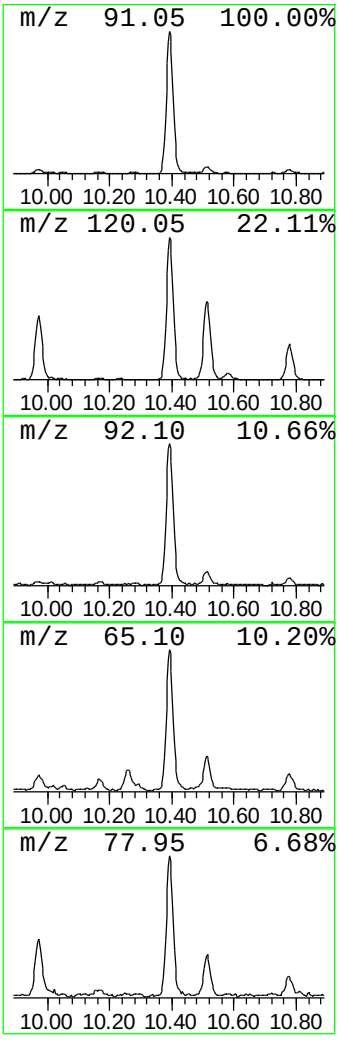
****

Peak Number 46 Benzene, propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	2.94 ug/L	904673	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	64





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Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

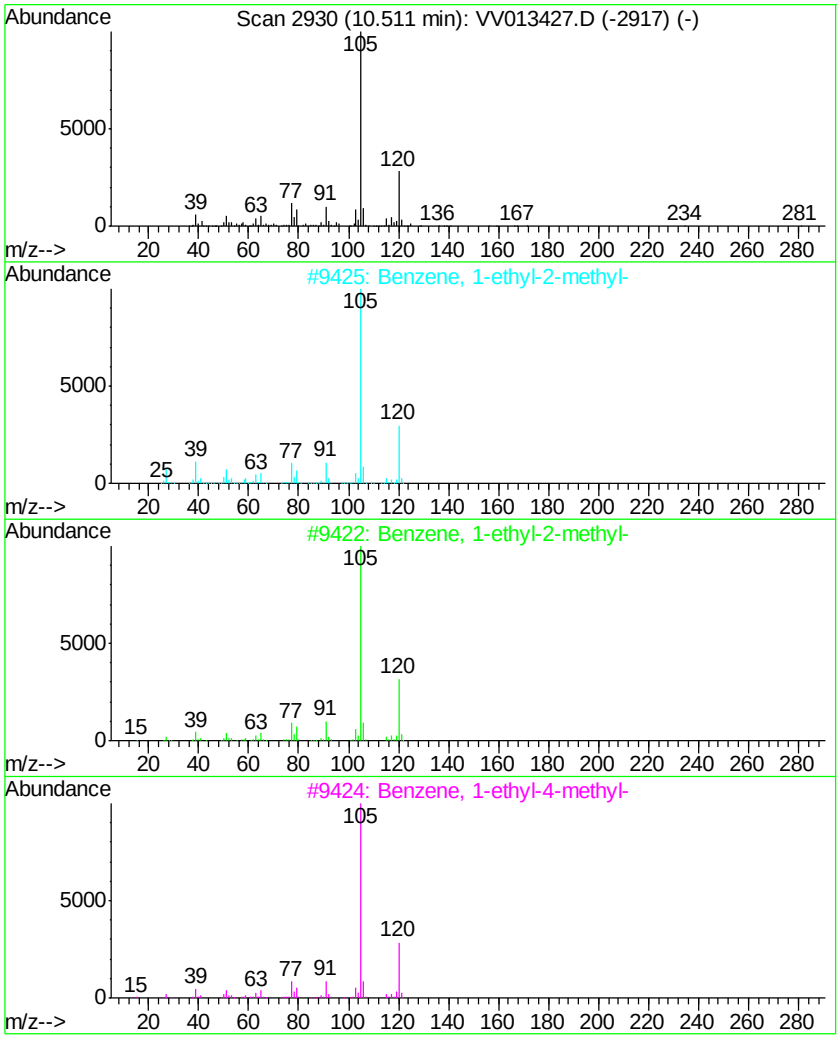
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

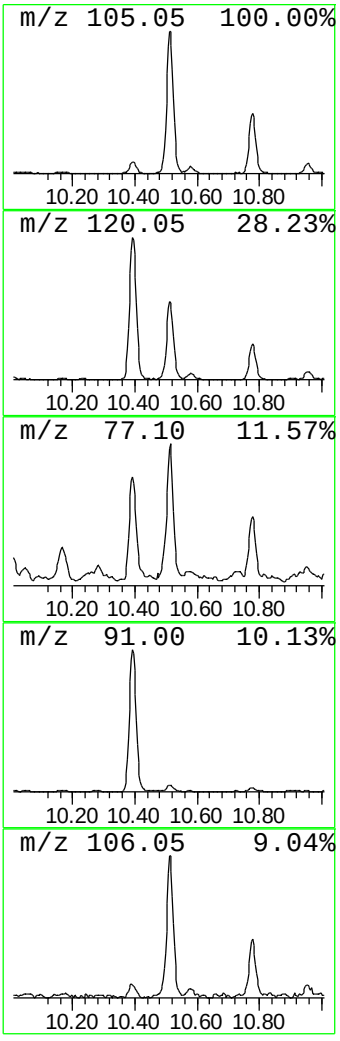
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 1-ethyl-2-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	1.66 ug/L	510402	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

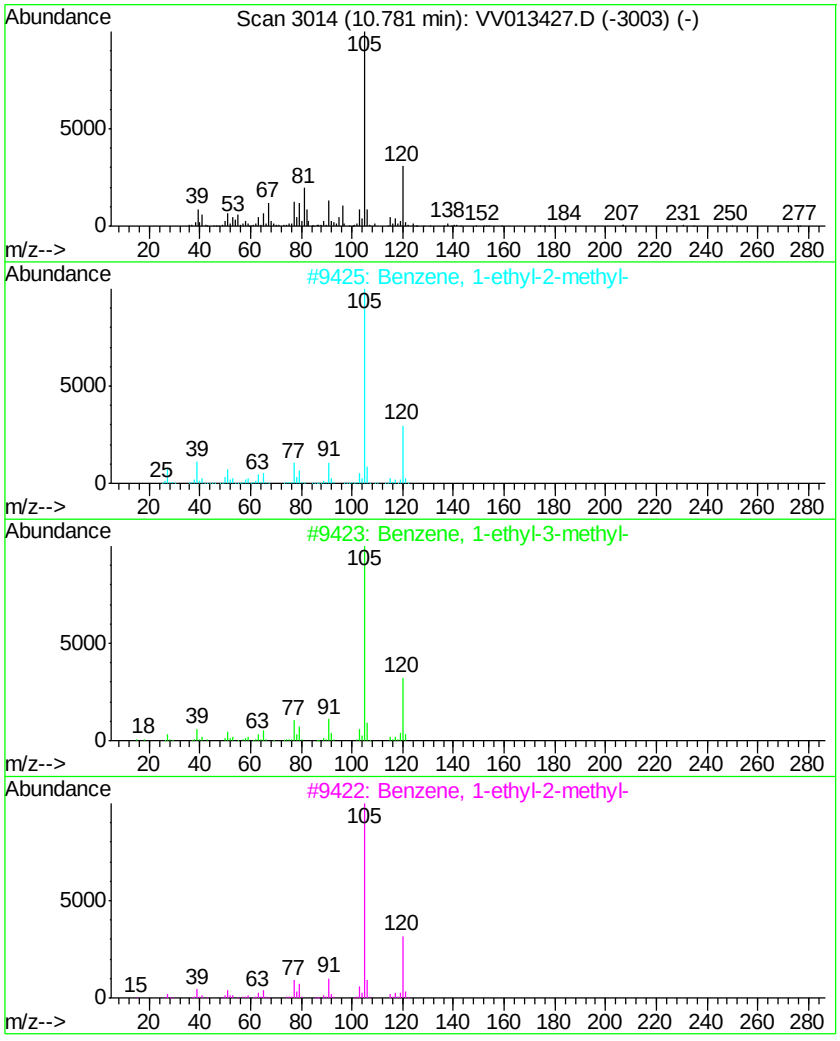
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

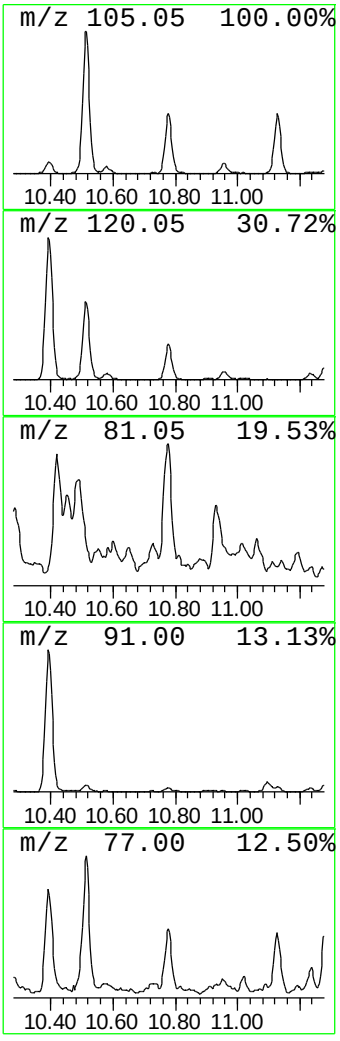
****

Peak Number 48 Benzene, 1-ethyl-3-methyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	1.10 ug/L	339878	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	92
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	70
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	70
5	Mesitylene	120	C9H12	000108-67-8	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

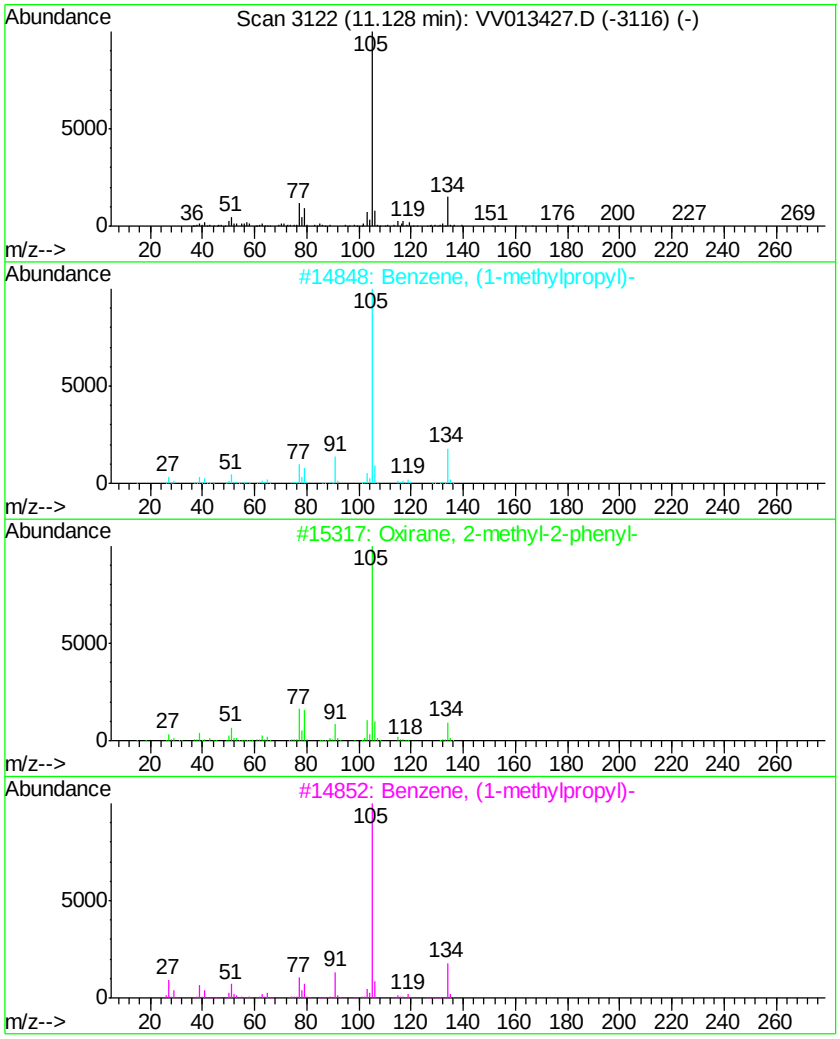
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

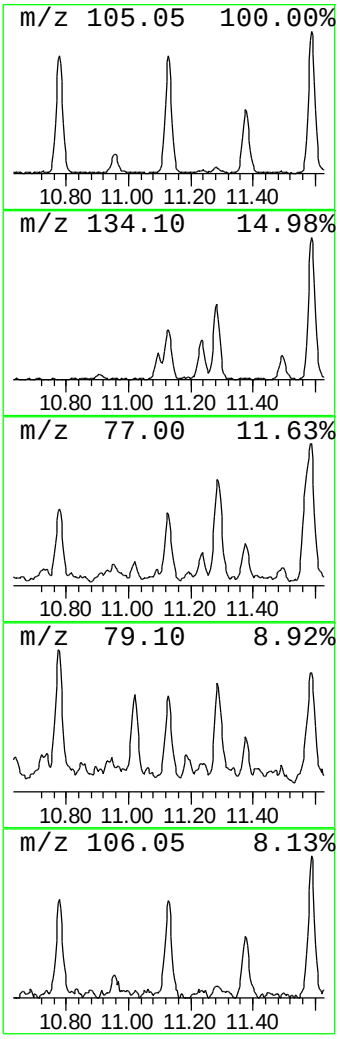
****

Peak Number 49 Benzene, (1-methylpropyl)- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	0.61 ug/L	188962	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
2	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	74
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

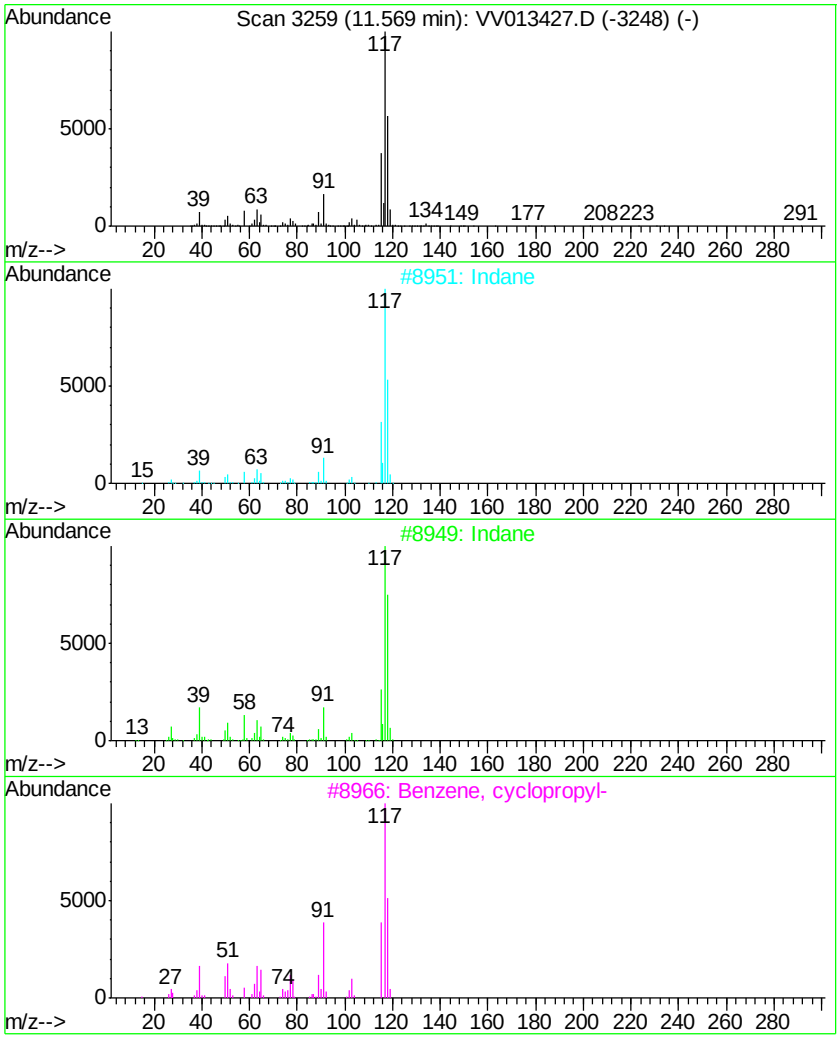
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

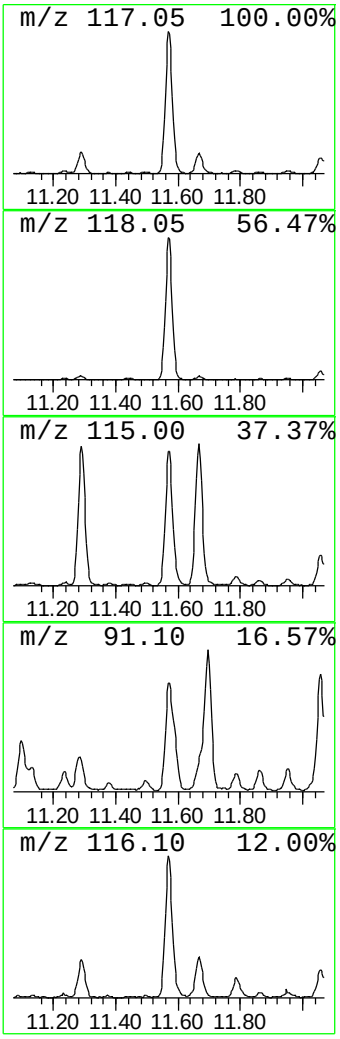
****

Peak Number 50 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	5.04 ug/L	1552610	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
5	Deltacyclene	118	C9H10	007785-10-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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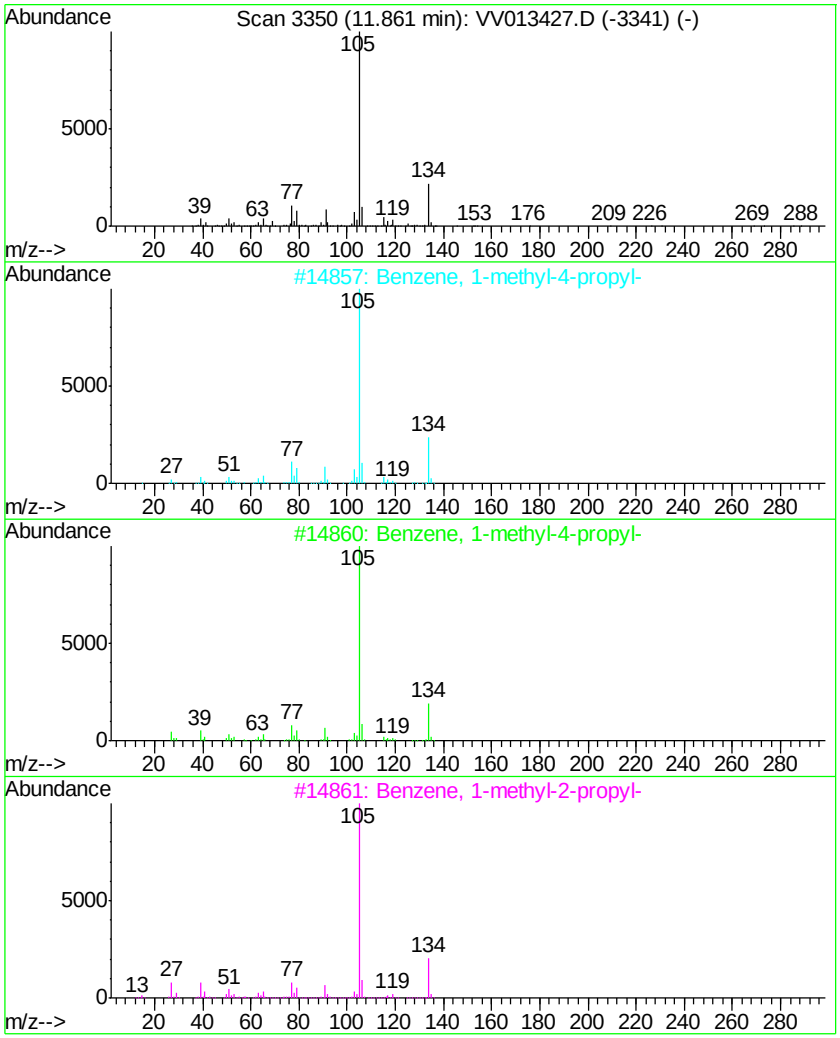
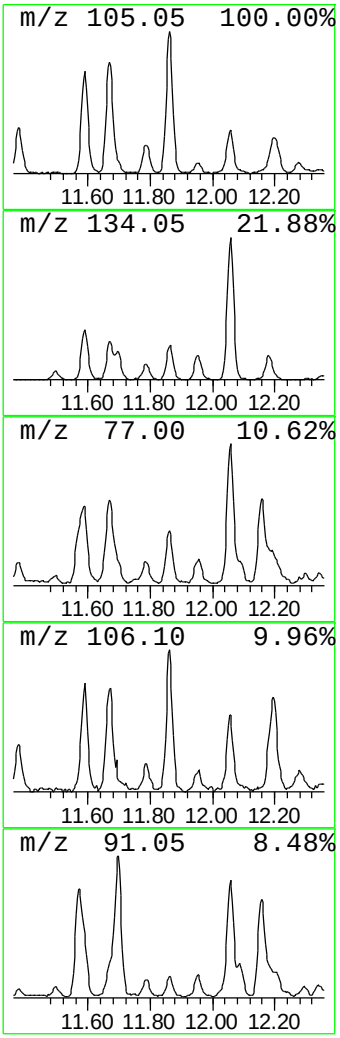
Peak Number 51 Benzene, 1-methyl-4-propyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	0.88 ug/L	271779	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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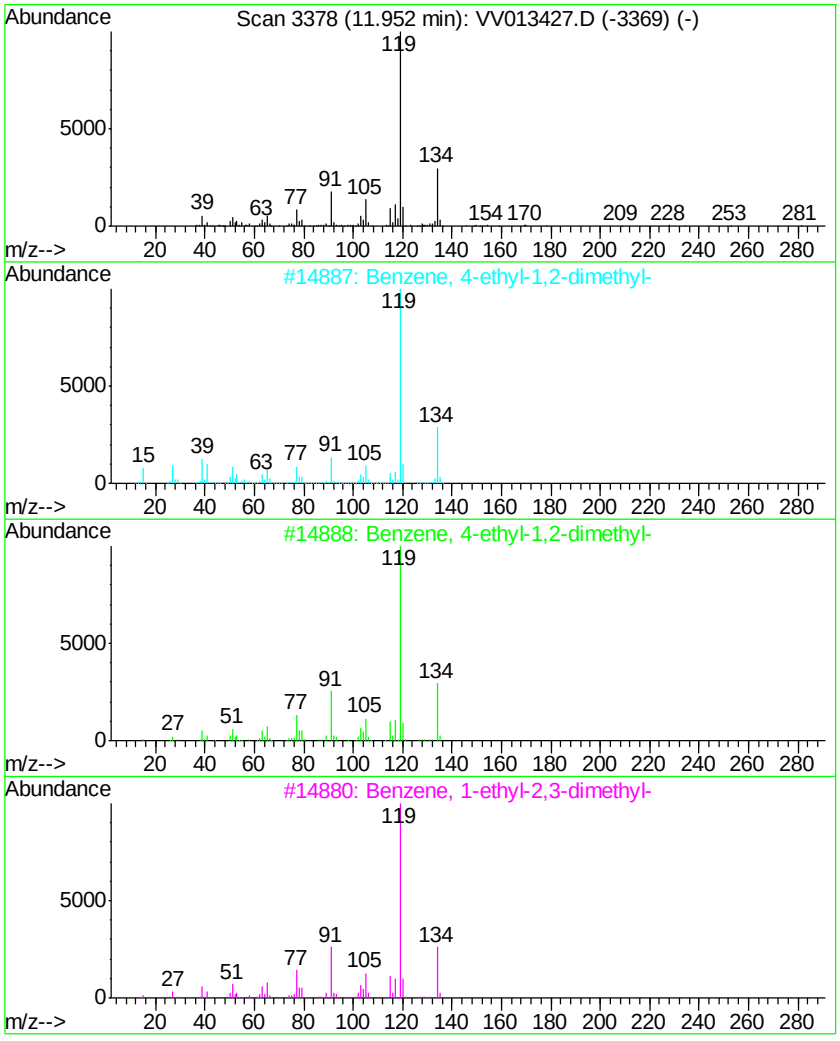
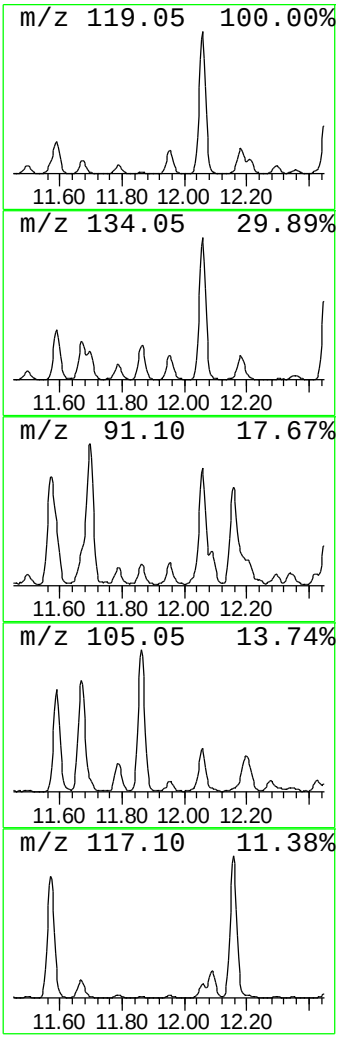
Peak Number 52 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	0.66 ug/L	204011	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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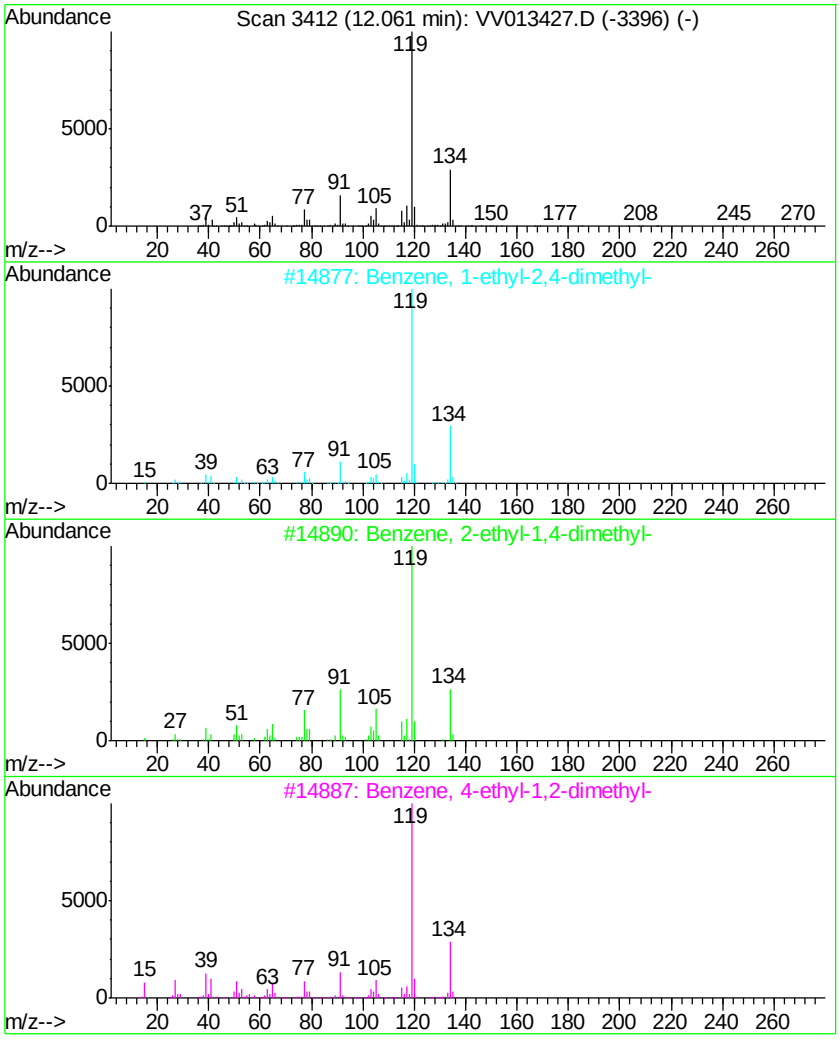
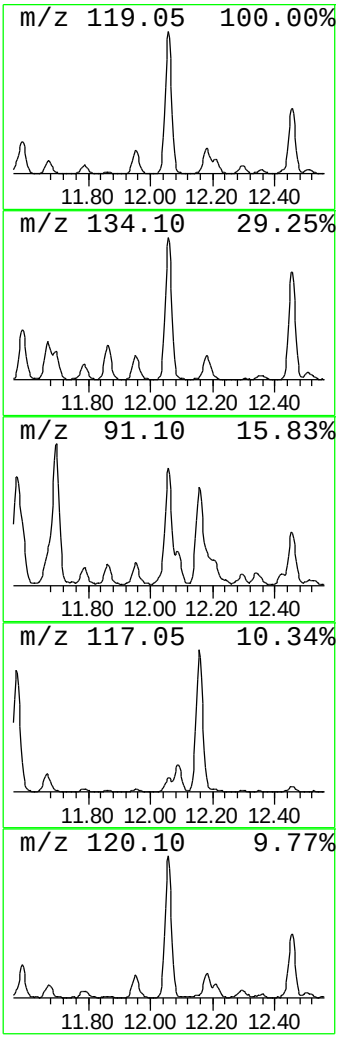
Peak Number 53 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.61 ug/L	1111950	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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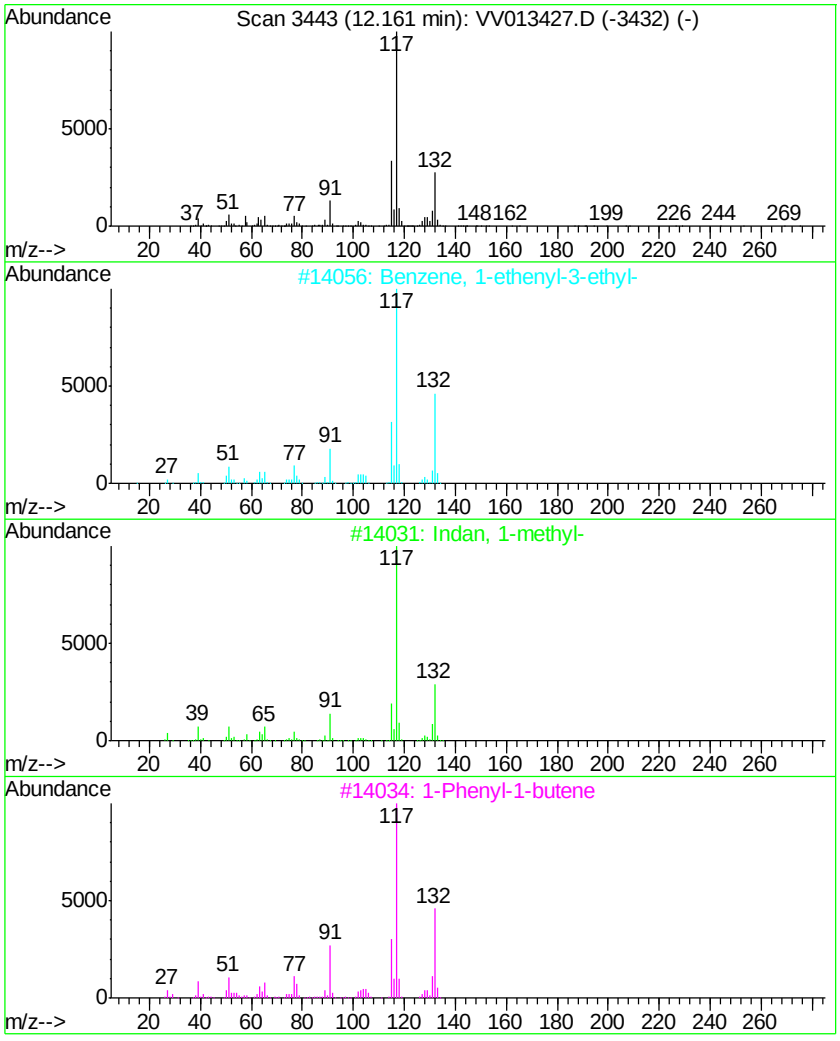
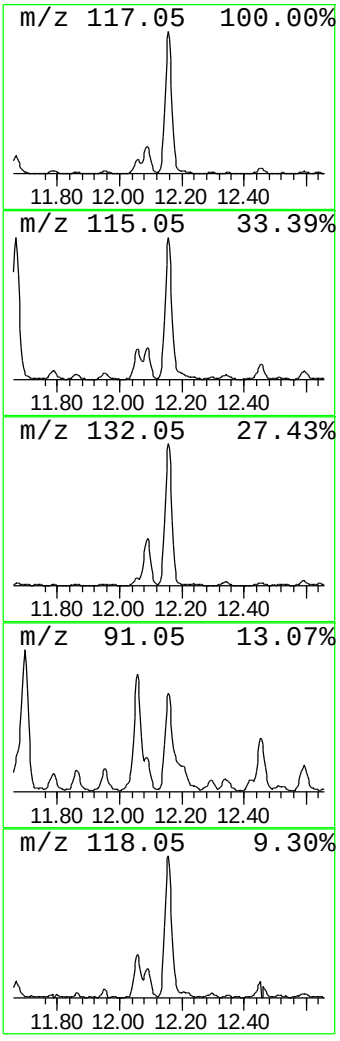
Peak Number 54 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	5.28 ug/L	1626520	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

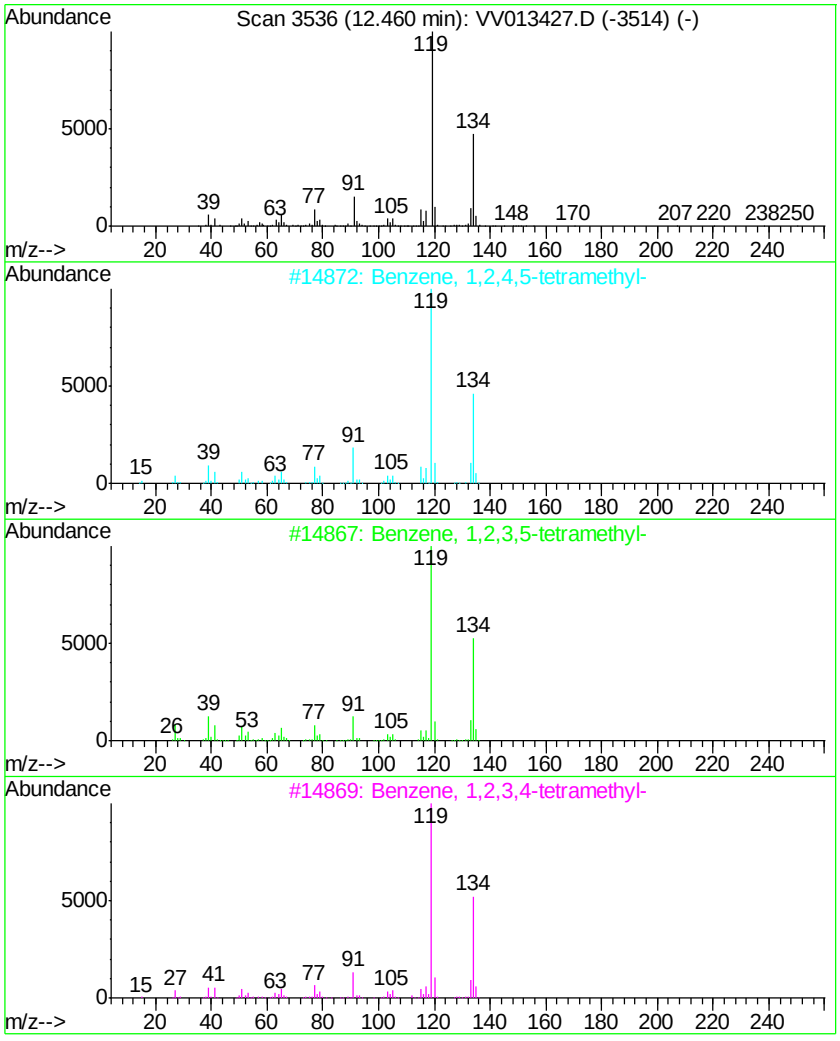
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

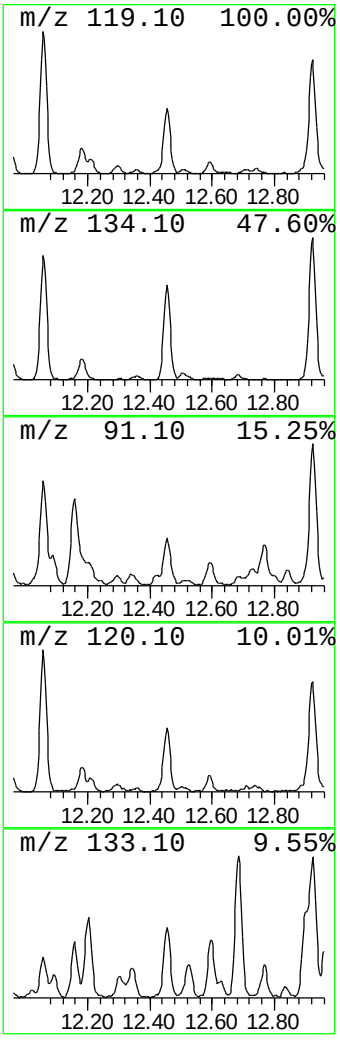
****

Peak Number 55 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	1.97 ug/L	606671	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

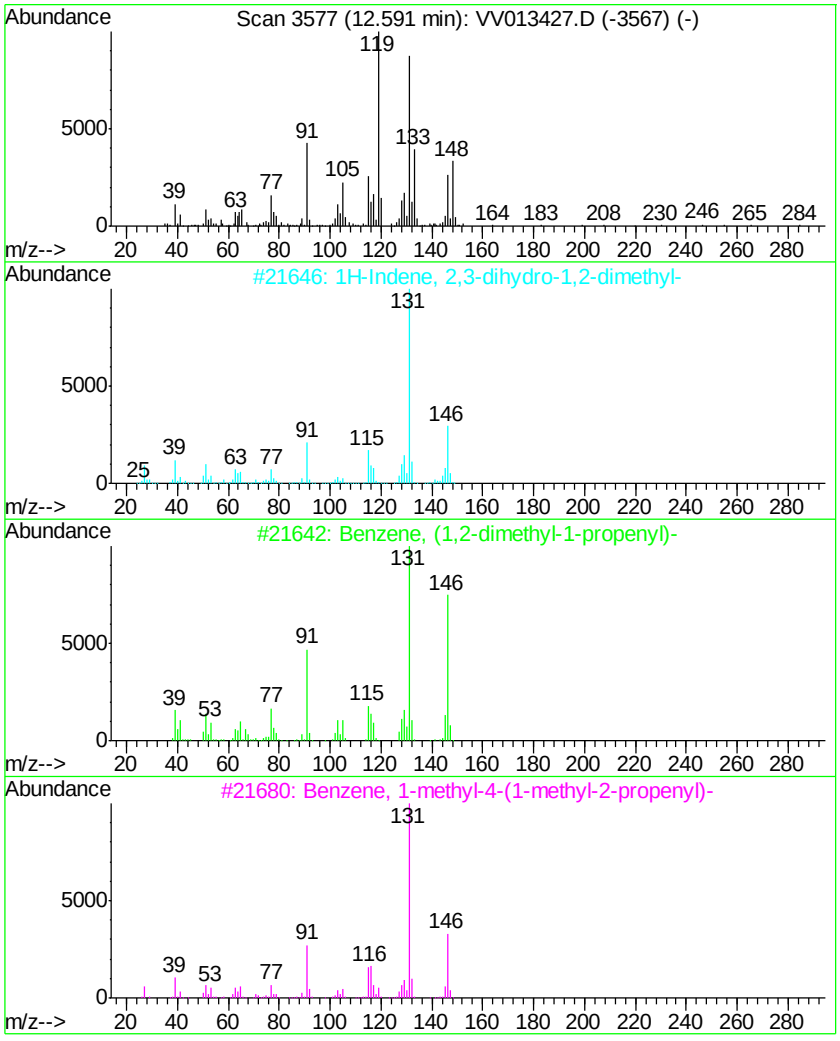
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

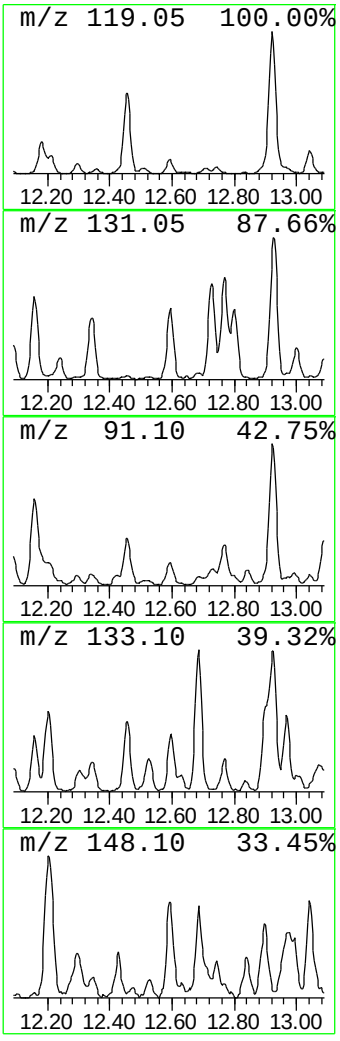
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	0.69 ug/L	212473	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	60
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	52
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	50
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	46
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	46





Library Search Compound Report

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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

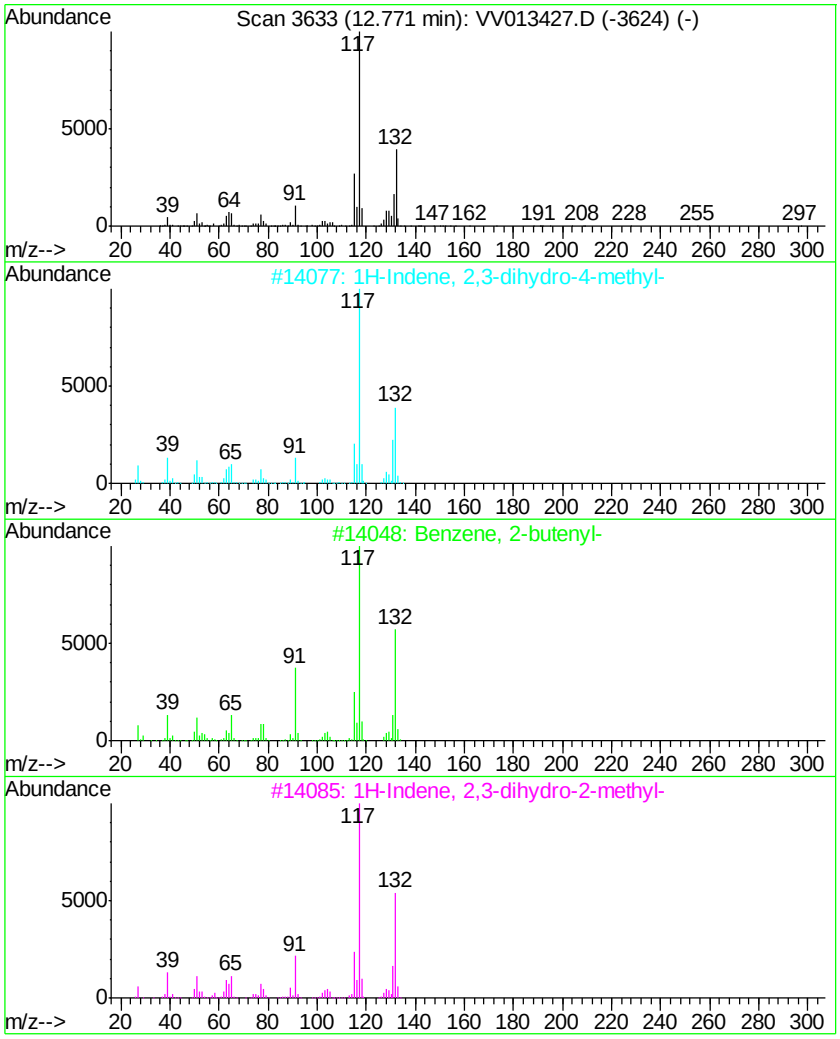
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

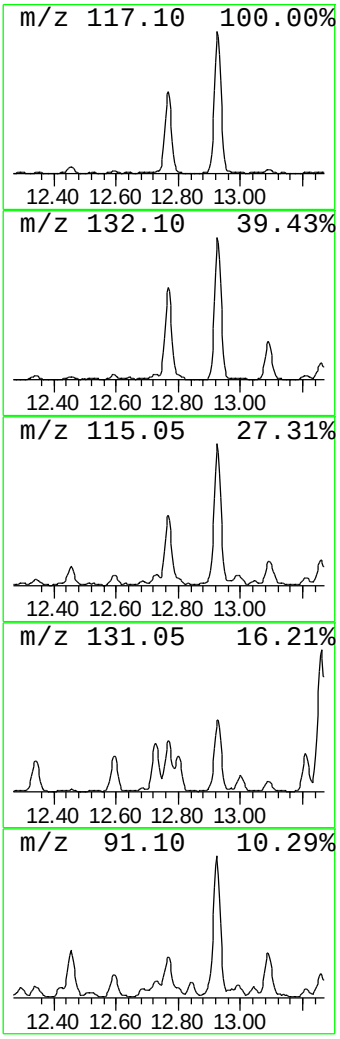
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	2.25 ug/L	693373	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





Library Search Compound Report

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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

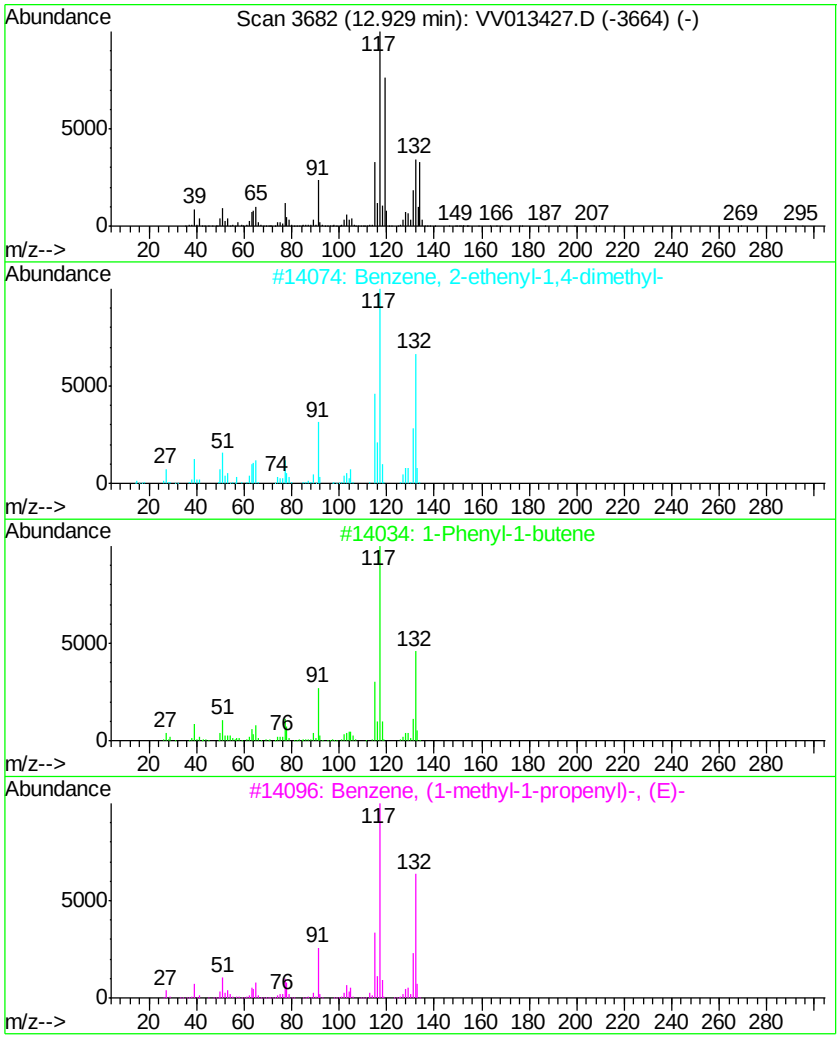
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

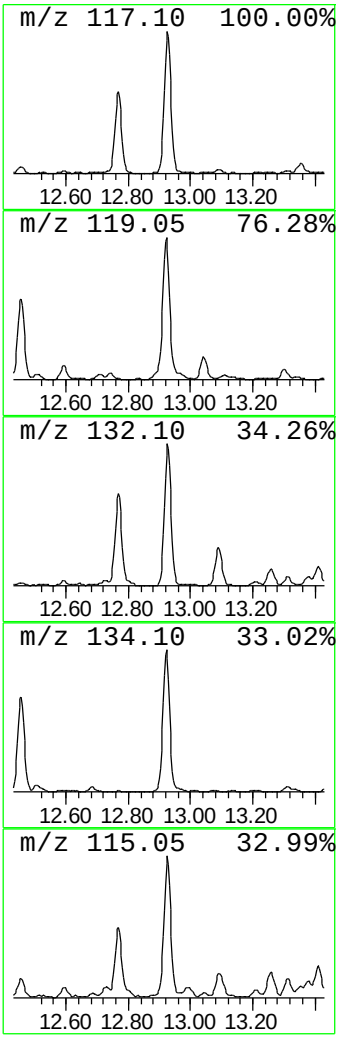
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	6.18 ug/L	1903830	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	80
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	55
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	55





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

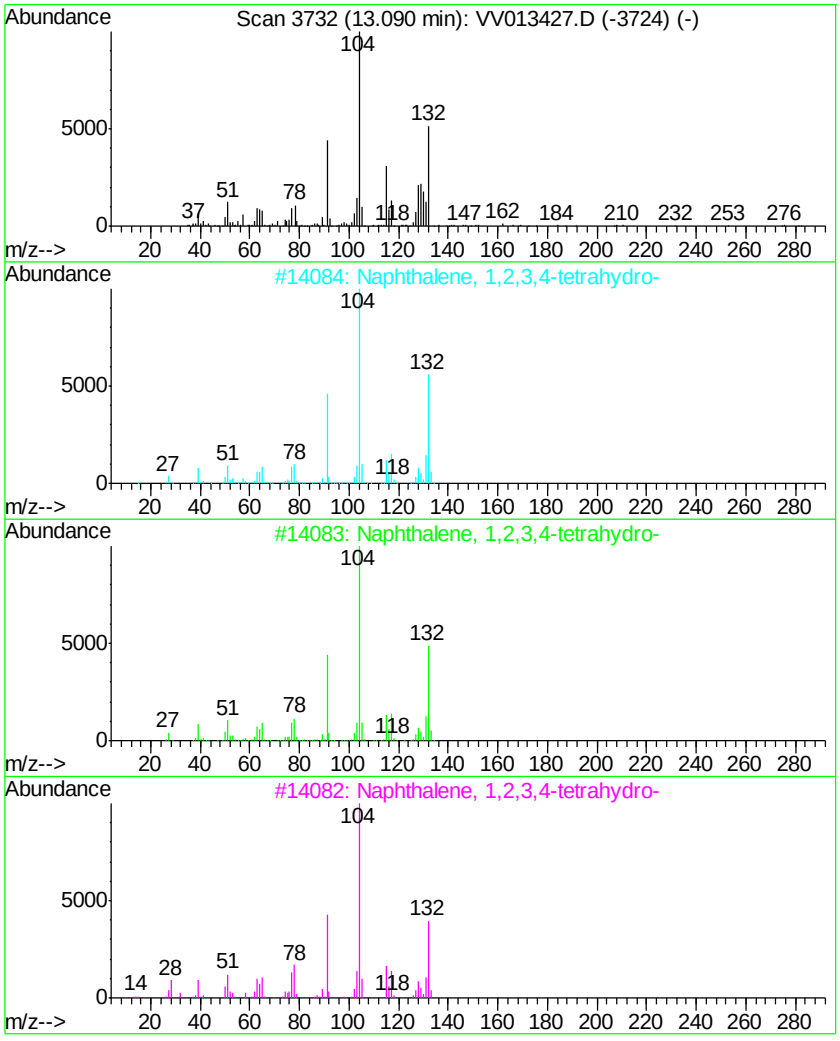
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

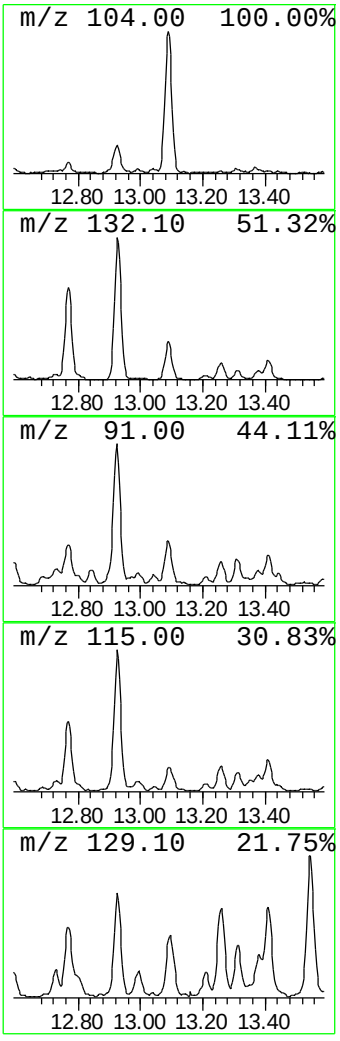
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	1.29 ug/L	398788	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	92
5	Indan, epoxide	132	C9H8O	000768-22-9	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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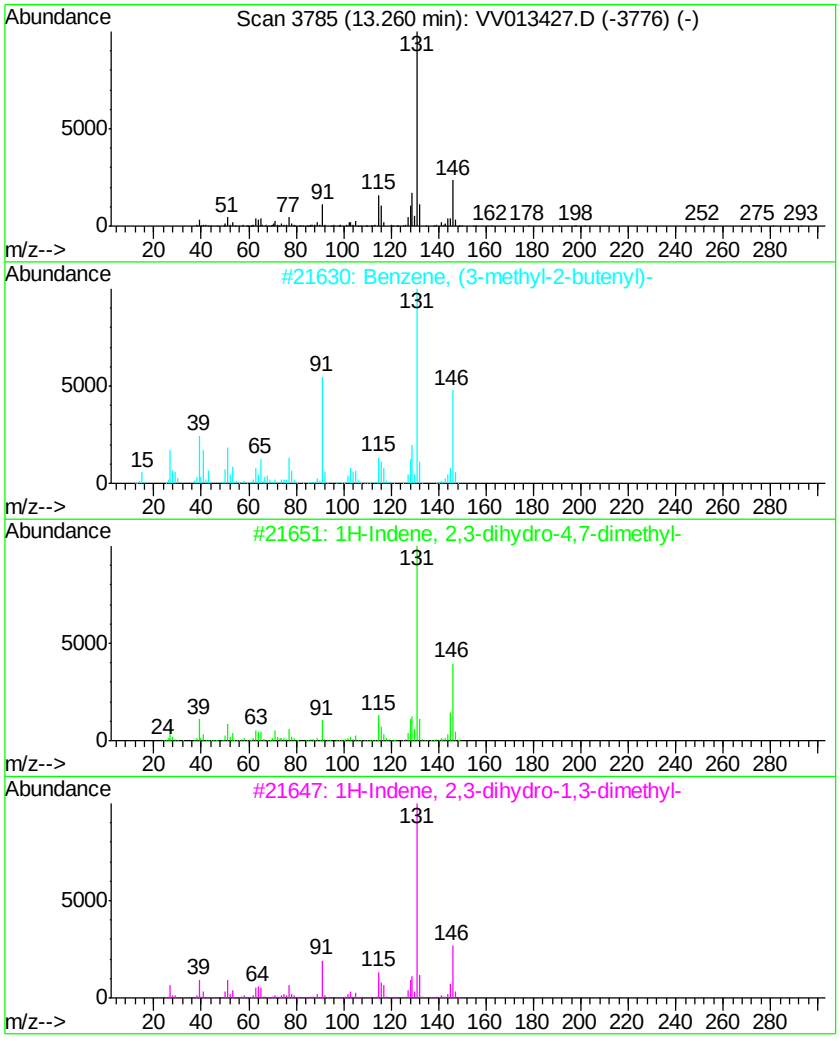
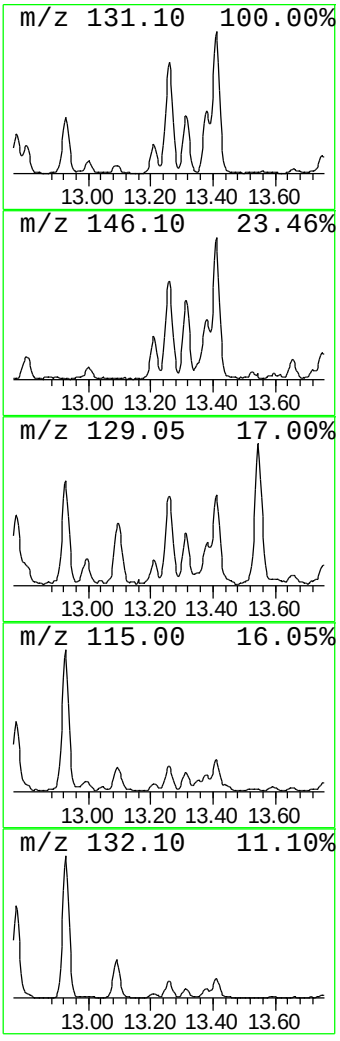
Peak Number 60 Benzene, (3-methyl-2-butenyl)- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	1.01 ug/L	310572	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





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Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

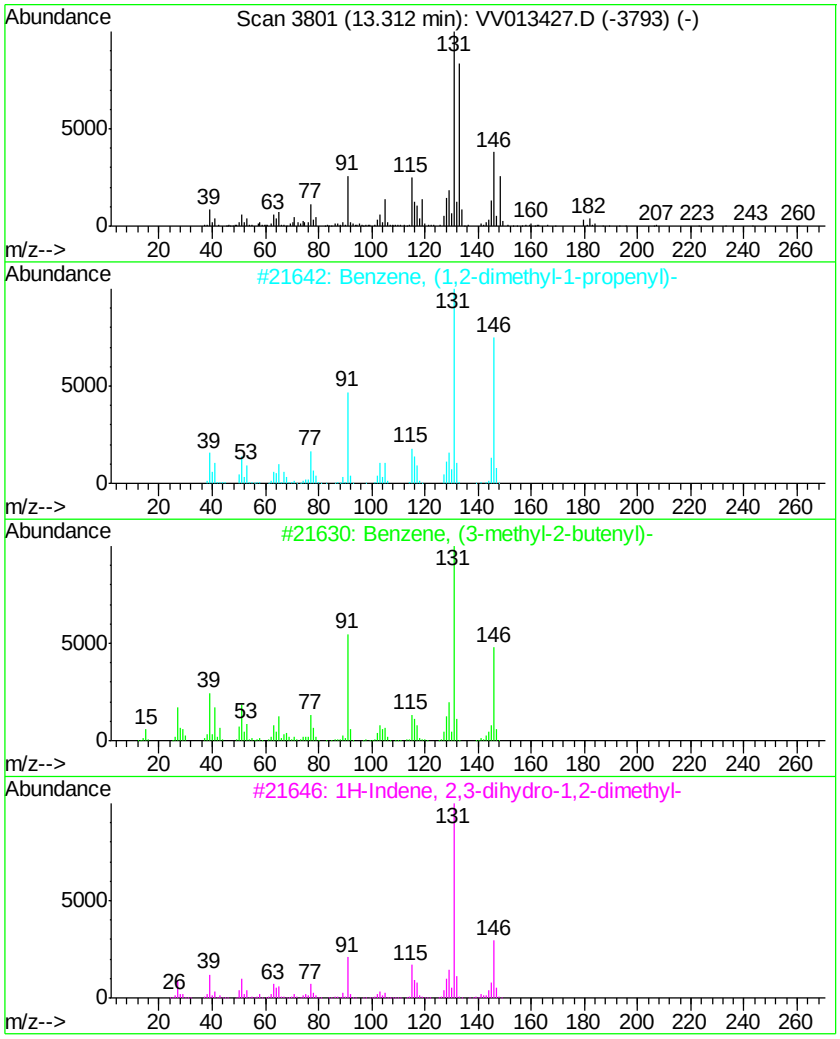
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

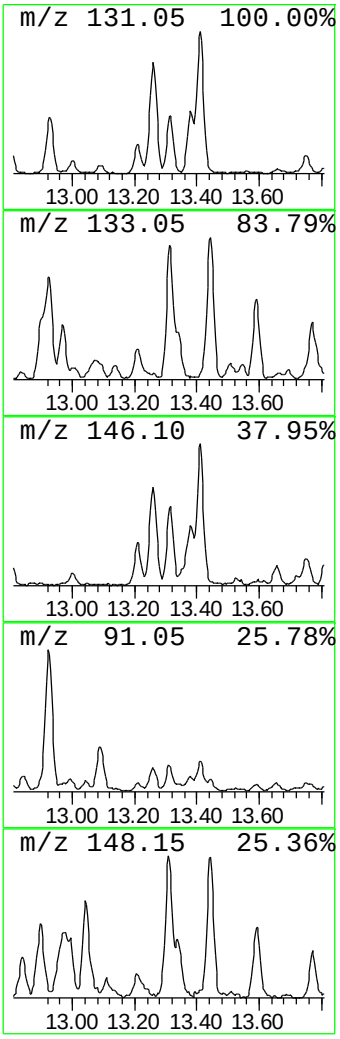
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 61 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	1.01 ug/L	310316	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	89
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

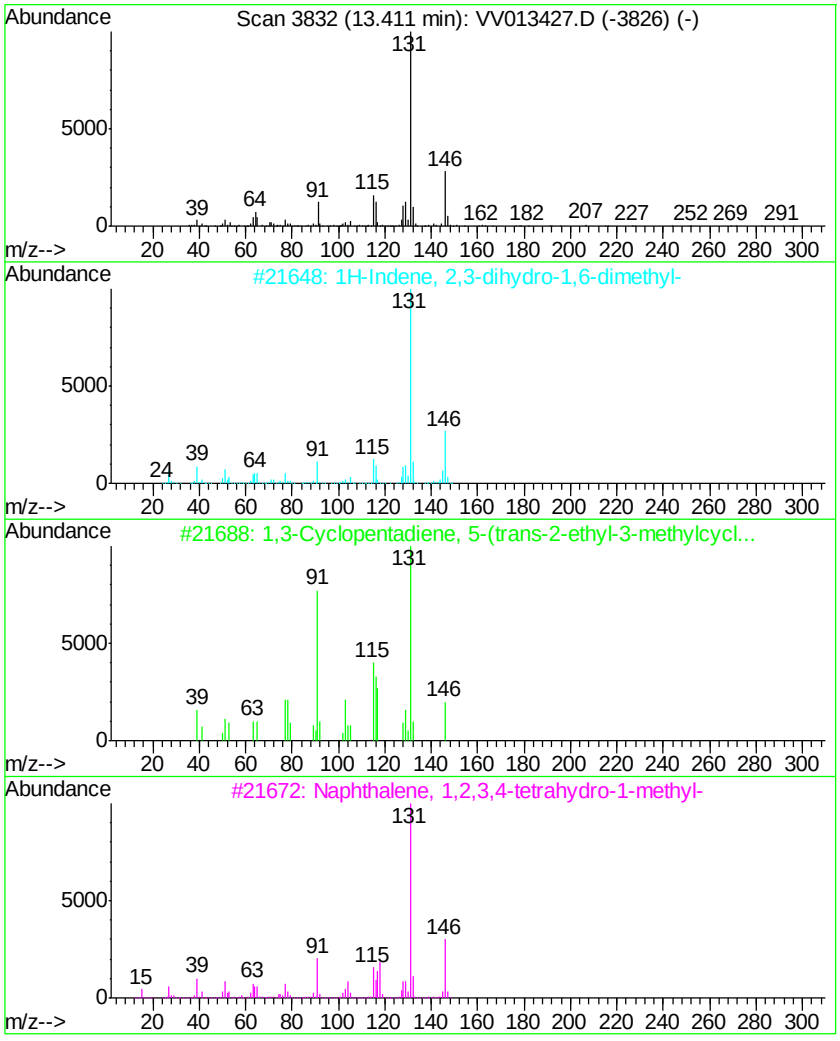
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

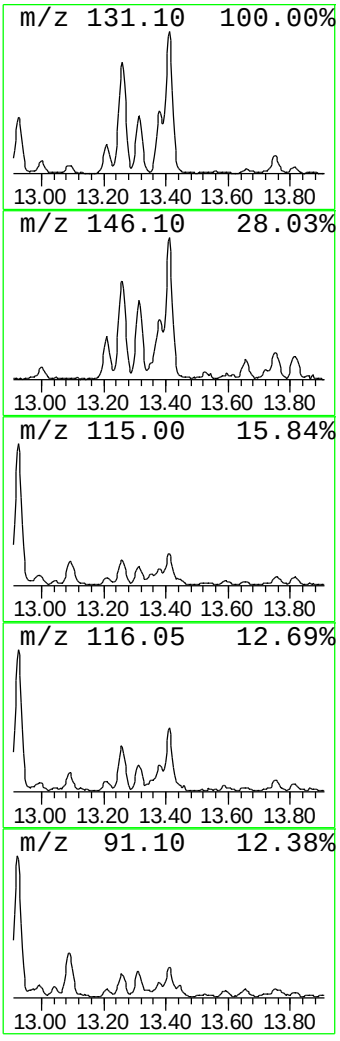
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	0.82 ug/L	252545	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	95
2	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

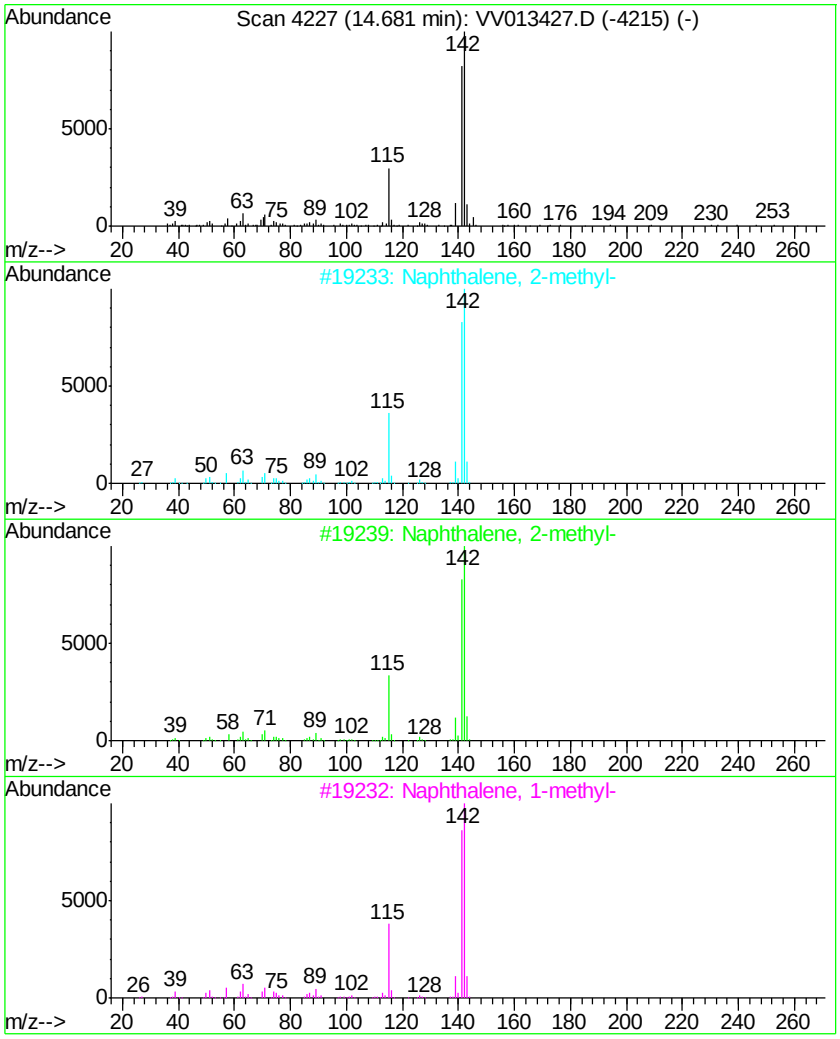
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

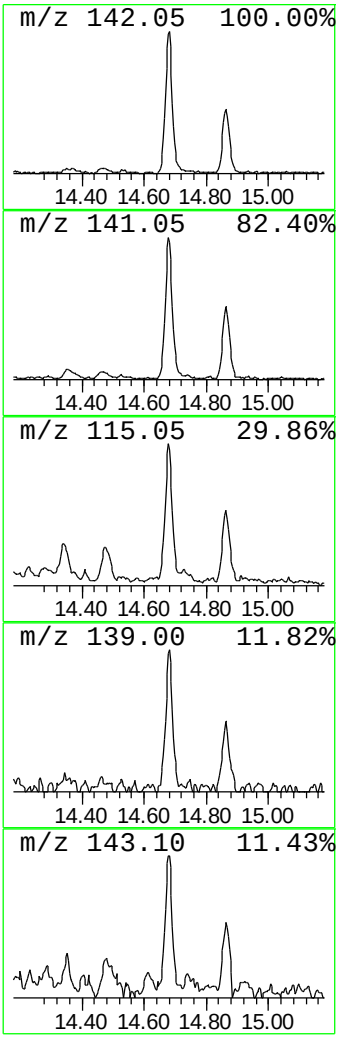
****

Peak Number 65 Naphthalene, 2-methyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	0.58 ug/L	177268	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.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...	1.65	1.7	ug/L	427907	1	5.66	1281320	5.0
(DEL) Alkane: Str...	1.82	1.4	ug/L	363382	1	5.66	1281320	5.0
(DEL) Alkane: Str...	2.55	4.7	ug/L	1214650	1	5.66	1281320	5.0
(DEL) Alkane: Cyc...	2.60	1.1	ug/L	288557	1	5.66	1281320	5.0
(DEL) Alkane: Str...	2.79	3.2	ug/L	809323	1	5.66	1281320	5.0
(DEL) Alkane: Str...	3.07	4.4	ug/L	1121290	1	5.66	1281320	5.0
(DEL) Alkane: Cyc...	3.31	0.6	ug/L	157230	1	5.66	1281320	5.0
(DEL) Alkane: Cyc...	3.80	7.7	ug/L	1968430	1	5.66	1281320	5.0
Cyclopentene, 4-m...	4.50	0.6	ug/L	140430	1	5.66	1281320	5.0
(DEL) Alkane: Str...	4.80	1.8	ug/L	447214	1	5.66	1281320	5.0
(DEL) Alkane: Str...	4.95	4.9	ug/L	1252890	1	5.66	1281320	5.0
(DEL) Alkane: Cyc...	5.22	3.7	ug/L	937898	1	5.66	1281320	5.0
(DEL) Alkane: Cyc...	5.29	3.9	ug/L	988588	1	5.66	1281320	5.0
(DEL) Alkane: Cyc...	5.37	5.9	ug/L	1509320	1	5.66	1281320	5.0
(DEL) Alkane: Str...	5.53	4.3	ug/L	1106530	1	5.66	1281320	5.0
Cyclopentene, 4,4...	5.98	0.6	ug/L	147611	1	5.66	1281320	5.0
(DEL) Alkane: Cyc...	6.41	2.2	ug/L	573825	1	5.66	1281320	5.0
(DEL) Alkane: Cyc...	6.50	2.0	ug/L	509839	1	5.66	1281320	5.0
Cyclohexene, 4-me...	6.61	0.9	ug/L	236468	1	5.66	1281320	5.0
(DEL) Alkane: Cyc...	6.67	3.0	ug/L	770012	1	5.66	1281320	5.0
Cyclobutane, (1-m...	6.84	2.3	ug/L	590589	1	5.66	1281320	5.0
(DEL) Alkane: Str...	6.95	1.4	ug/L	367930	1	5.66	1281320	5.0
(DEL) Alkane: Str...	7.12	1.4	ug/L	357978	1	5.66	1281320	5.0
Cyclohexene, 1-me...	7.21	2.1	ug/L	550738	1	5.66	1281320	5.0
(DEL) Alkane: Cyc...	7.31	7.1	ug/L	1622260	2	8.89	1140490	5.0
(DEL) Alkane: Cyc...	7.48	2.1	ug/L	483321	2	8.89	1140490	5.0
(DEL) Alkane: Cyc...	7.55	1.8	ug/L	419756	2	8.89	1140490	5.0
(DEL) Alkane: Str...	7.61	0.6	ug/L	131444	2	8.89	1140490	5.0
(DEL) Alkane: Cyc...	7.83	2.9	ug/L	669207	2	8.89	1140490	5.0
1,4-Pentadiene, 2...	7.88	1.9	ug/L	430171	2	8.89	1140490	5.0
(DEL) Alkane: Cyc...	8.27	2.3	ug/L	526114	2	8.89	1140490	5.0
(DEL) Alkane: Cyc...	8.33	4.5	ug/L	1030970	2	8.89	1140490	5.0
(DEL) Alkane: Cyc...	8.39	3.7	ug/L	850930	2	8.89	1140490	5.0
3-Octyne, 6-methyl-	8.55	1.9	ug/L	433150	2	8.89	1140490	5.0
(DEL) Alkane: Cyc...	8.63	2.1	ug/L	473597	2	8.89	1140490	5.0
(DEL) Alkane: Str...	8.70	0.5	ug/L	118875	2	8.89	1140490	5.0
(DEL) Alkane: Str...	8.83	1.6	ug/L	371304	2	8.89	1140490	5.0
Pentalene, octahy...	8.97	1.2	ug/L	270706	2	8.89	1140490	5.0
(DEL) Alkane: Cyc...	9.24	1.5	ug/L	337377	2	8.89	1140490	5.0
1,2-Diheptylcyclo...	9.36	1.1	ug/L	256185	2	8.89	1140490	5.0
(DEL) Alkane: Cyc...	9.51	2.5	ug/L	580927	2	8.89	1140490	5.0
1H-Indene, octahy...	9.75	4.1	ug/L	929035	2	8.89	1140490	5.0
Cyclohexane, 2-pr...	9.84	2.5	ug/L	574023	2	8.89	1140490	5.0
3,6-Nonadien-1-ol...	10.17	0.9	ug/L	265375	3	11.29	1540760	5.0
Benzene, propyl-	10.39	2.9	ug/L	904673	3	11.29	1540760	5.0
Benzene, 1-ethyl-...	10.51	1.7	ug/L	510402	3	11.29	1540760	5.0
Benzene, 1-ethyl-...	10.78	1.1	ug/L	339878	3	11.29	1540760	5.0
Benzene, (1-methy...	11.13	0.6	ug/L	188962	3	11.29	1540760	5.0
Indane	11.57	5.0	ug/L	1552610	3	11.29	1540760	5.0

Benzene, 1-methyl...	11.86	0.9	ug/L	271779	3	11.29	1540760	5.0
Benzene, 4-ethyl-...	11.95	0.7	ug/L	204011	3	11.29	1540760	5.0
Benzene, 1-ethyl-...	12.06	3.6	ug/L	1111950	3	11.29	1540760	5.0
Benzene, 1-etheny...	12.16	5.3	ug/L	1626520	3	11.29	1540760	5.0
Benzene, 1,2,4,5-...	12.46	2.0	ug/L	606671	3	11.29	1540760	5.0
1H-Indene, 2,3-di...	12.59	0.7	ug/L	212473	3	11.29	1540760	5.0
1H-Indene, 2,3-di...	12.77	2.3	ug/L	693373	3	11.29	1540760	5.0
Benzene, 2-etheny...	12.93	6.2	ug/L	1903830	3	11.29	1540760	5.0
Naphthalene, 1,2,...	13.09	1.3	ug/L	398788	3	11.29	1540760	5.0
Benzene, (3-methy...	13.26	1.0	ug/L	310572	3	11.29	1540760	5.0
Benzene, (1,2-dim...	13.31	1.0	ug/L	310316	3	11.29	1540760	5.0
1H-Indene, 2,3-di...	13.41	0.8	ug/L	252545	3	11.29	1540760	5.0
Naphthalene, 2-me...	14.68	0.6	ug/L	177268	3	11.29	1540760	5.0

Instrument :
MSVOA_V
ClientSampleId :
GAQD5