LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.621	40	48	80	rBV	4881218	19989064	100.00%	26.064%
2	3.629	367	378	380	rBV	98974	207410	1.04%	0.270%
3	4.888	574	585	600	rBV4	53390	243531	1.22%	0.318%
4	6.470	839	845	857	rVB5	72156	228448	1.14%	0.298%
5	6.597	857	866	876	rVV	136013	402130	2.01%	0.524%
6	7.206	955	966	976	rBV	312958	855872	4.28%	1.116%
7	7.522	1008	1018	1024	rBV5	95223	289967	1.45%	0.378%
8	7.613	1024	1033	1046	rVB2	293666	968845	4.85%	1.263%
9	7.857	1059	1073	1089	rVB2	660938	2000763	10.01%	2.609%
10	8.027	1091	1101	1102	rBV	141057	253954	1.27%	0.331%
11	8.100	1102	1113	1123	rVB	1899034	5997541	30.00%	7.820%
12	8.459	1164	1172	1180	rBV	715577	1310372	6.56%	1.709%
13	8.903	1236	1245	1249	rBV	434248	953544	4.77%	1.243%
14	8.958	1249	1254	1259	rVV2	720783	1557980	7.79%	2.031%
15	9.019	1259	1264	1272	rVV2	570209	1185311	5.93%	1.546%
16	9.116	1272	1280	1291	rVV2	174207	542131	2.71%	0.707%
17	9.244	1291	1301	1309	rVB4	81249	206879	1.03%	0.270%
18	9.402	1318	1327	1341	rBV	2205975	5526744	27.65%	7.206%
19	9.542	1341	1350	1367	rVV	2912315	6812971	34.08%	8.884%
20	9.682	1367	1373	1376	rVV	165545	289620	1.45%	0.378%
21	9.724	1376	1380	1386	rVV	236602	453579	2.27%	0.591%
22	9.907	1397	1410	1415	rBV	941853	1702378	8.52%	2.220%
23	9.968	1415	1420	1433	rVB	1336889	2500466	12.51%	3.260%
24	10.150	1444	1450	1459	rVB4	140059	357746	1.79%	0.466%
25	10.314	1471	1477	1487	rVV2	371805	705737	3.53%	0.920%
26	10.430	1487	1496	1504	rVV4	276794	698773	3.50%	0.911%
27	10.588	1514	1522	1530	rBV	654400	1105598	5.53%	1.442%
28	10.832	1559	1562	1567	rVV2	266322	381493	1.91%	0.497%
29	10.886	1567	1571	1576	rVB	256043	417123	2.09%	0.544%
30	11.093	1601	1605	1615	rVB2	168746	276047	1.38%	0.360%
31	11.288	1631	1637	1642	rBV	991963	1542729	7.72%	2.012%
32	11.373	1647	1651	1656	rVB3	215709	330081	1.65%	0.430%
33	11.543	1672	1679	1683	rBV4	263383	521069	2.61%	0.679%
34	11.799	1714	1721	1726	rBV5	148937	312597	1.56%	0.408%

LSC Area Percent Report

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Sample : J4002-03DL 20X
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ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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Peak separation: 5

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

35	12.000	1750	1754	1758	rBV2	173168	247592	1.24%	0.323%
36	12.267	1793	1798	1806	rVB	273672	416973	2.09%	0.544%
37	12.359	1806	1813	1819	rBV2	282181	550050	2.75%	0.717%
38	12.438	1819	1826	1829	rBV4	176771	350157	1.75%	0.457%
39	12.608	1847	1854	1860	rBV5	146272	380328	1.90%	0.496%
40	12.845	1889	1893	1895	rVV2	279026	433347	2.17%	0.565%
41	13.052	1919	1927	1930	rBV2	181655	434039	2.17%	0.566%
42	13.222	1949	1955	1961	rVB	669605	1025824	5.13%	1.338%
43	13.393	1979	1983	1985	rBV	205715	278015	1.39%	0.363%
44	13.417	1985	1987	1992	rVB2	207817	289615	1.45%	0.378%
45	13.514	1998	2003	2006	rBV	519594	873662	4.37%	1.139%
46	13.764	2040	2044	2049	rVB	423054	584279	2.92%	0.762%
47	13.873	2057	2062	2066	rVB3	372654	590827	2.96%	0.770%
48	13.946	2070	2074	2078	rVB3	127643	204792	1.02%	0.267%
49	14.007	2078	2084	2086	rBV4	128934	258048	1.29%	0.336%
50	14.062	2087	2093	2094	rVV4	236565	467378	2.34%	0.609%
51	14.086	2094	2097	2104	rVB	427147	676133	3.38%	0.882%
52	14.171	2106	2111	2114	rBV	192506	277863	1.39%	0.362%
53	14.463	2153	2159	2165	rBV3	492357	959985	4.80%	1.252%
54	14.524	2165	2169	2175	rVB4	519614	827126	4.14%	1.079%
55	14.731	2198	2203	2206	rBV2	237611	312588	1.56%	0.408%
56	14.828	2215	2219	2224	rVB2	330648	591686	2.96%	0.772%
57	14.920	2230	2234	2238	rVB3	208434	303452	1.52%	0.396%
58	14.987	2238	2245	2252	rBV3	341458	586337	2.93%	0.765%
59	15.060	2252	2257	2260	rBV2	141264	207920	1.04%	0.271%
60	15.108	2260	2265	2269	rBV5	193493	347508	1.74%	0.453%
61	15.279	2287	2293	2295	rBV2	142470	257778	1.29%	0.336%
62	15.364	2301	2307	2311	rBV4	127768	250377	1.25%	0.326%
63	15.425	2311	2317	2322	rVV7	145403	370175	1.85%	0.483%
64	15.552	2333	2338	2343	rBV5	135194	250800	1.25%	0.327%
65	15.619	2344	2349	2353	rBV4	121608	254132	1.27%	0.331%
66	15.759	2366	2372	2377	rBV2	238110	430991	2.16%	0.562%
67	15.887	2388	2393	2396	rBV3	184446	294275	1.47%	0.384%
68	15.948	2399	2403	2409	rVB2	186067	344959	1.73%	0.450%
69	16.185	2437	2442	2449	rBV7	163959	387088	1.94%	0.505%
70	16.720	2525	2530	2537	rBV5	133636	247325	1.24%	0.322%

LSC Area Percent Report

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Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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

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

Sum of corrected areas: 76691917

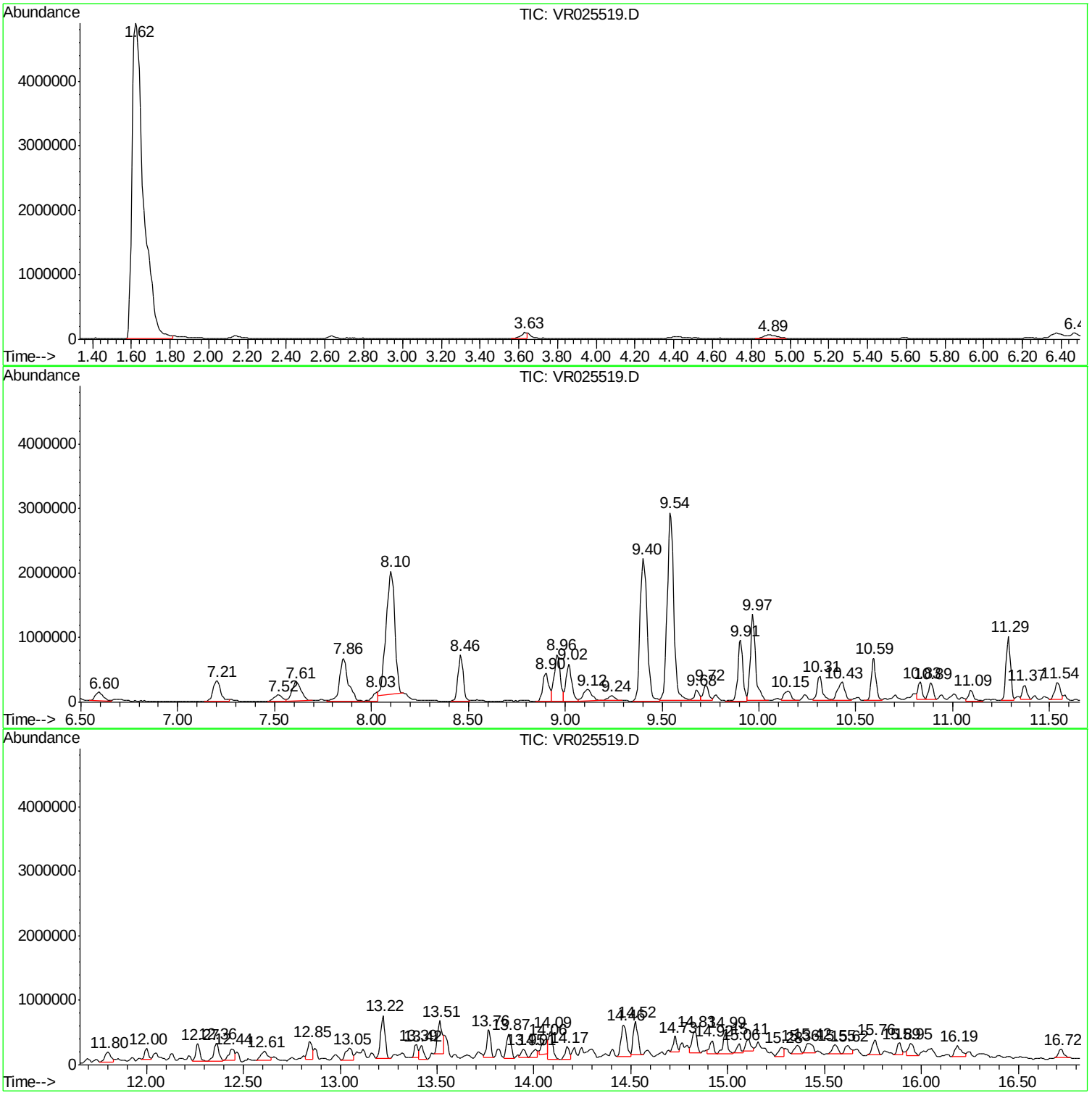
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

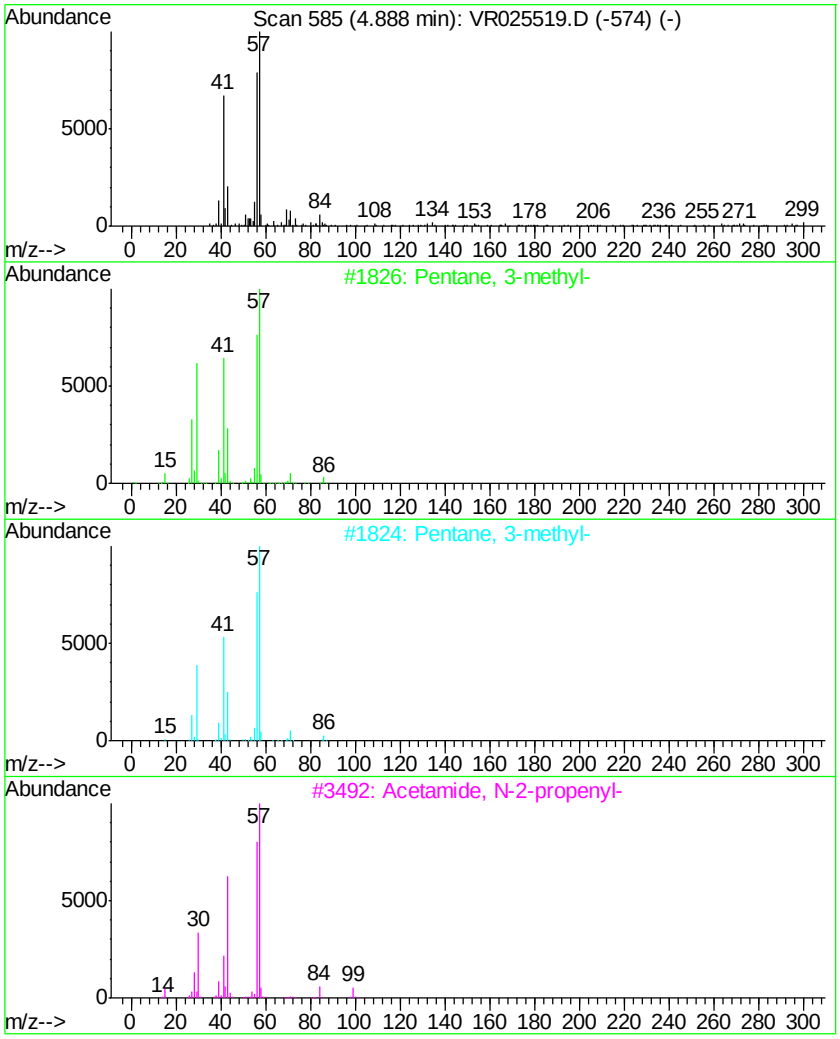
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

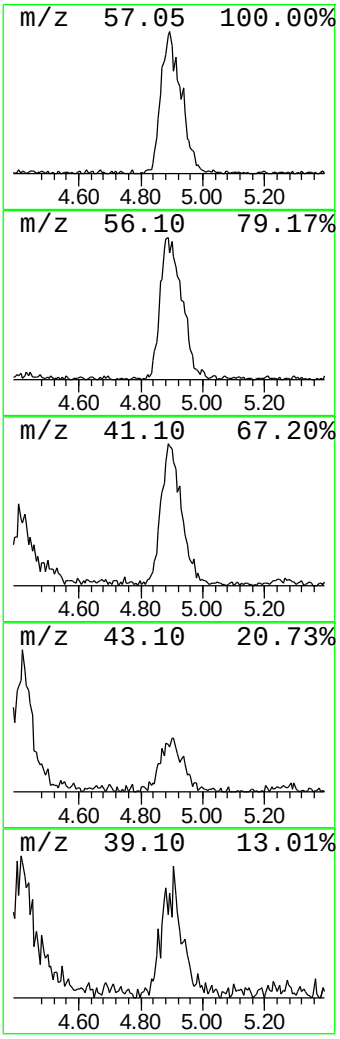
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	0.93 ug/L	243531	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	72
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	64
3	Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	64
4	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	64
5	2-Chloropropanoic acid butyl ester	164	C7H13ClO2	054819-86-2	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

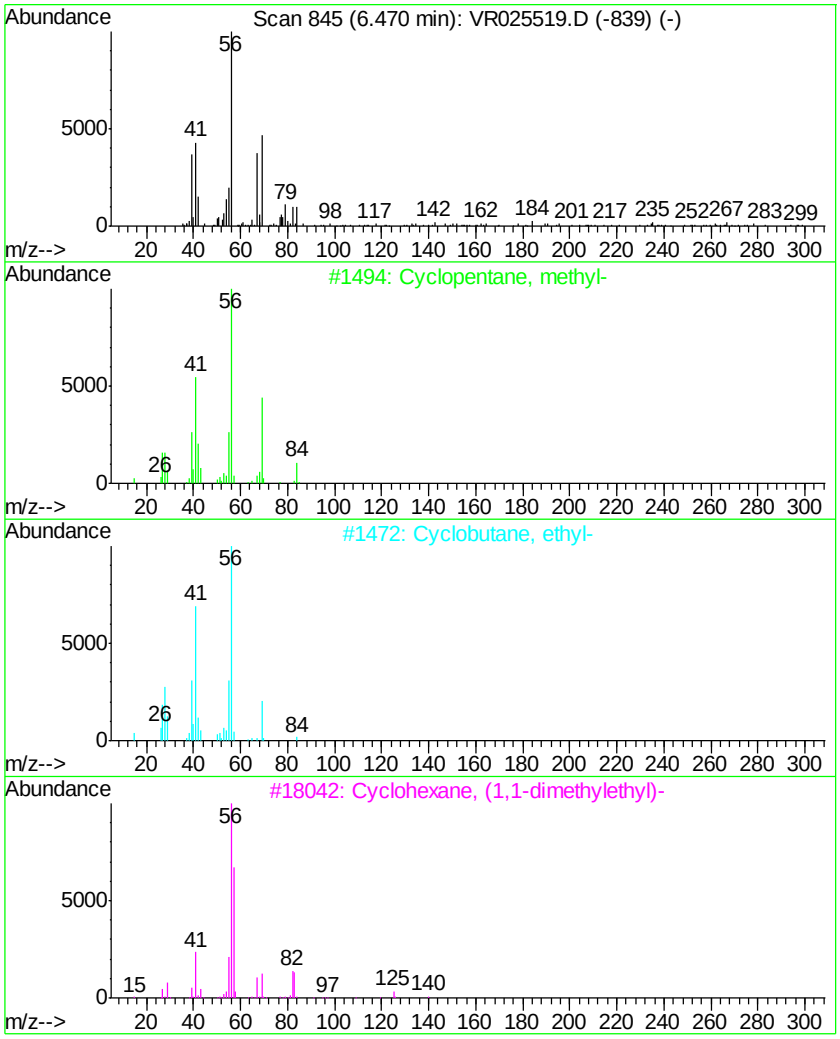
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

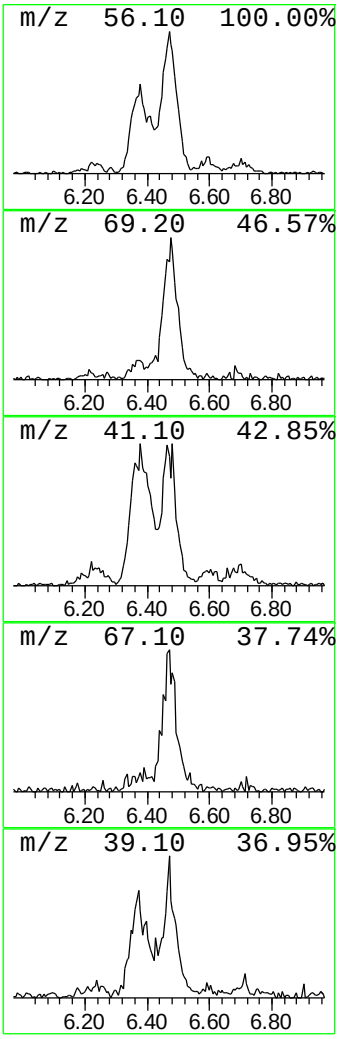
****

Peak Number 3 (DEL) Alkane: Cyclic6.47 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	0.87 ug/L	228448	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	49
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	47
3	Cyclohexane, (1,1-dimethylethyl)-	140	C10H20	003178-22-1	40
4	Cyclopentanone, 2,2-dimethyl-	112	C7H12O	004541-32-6	38
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

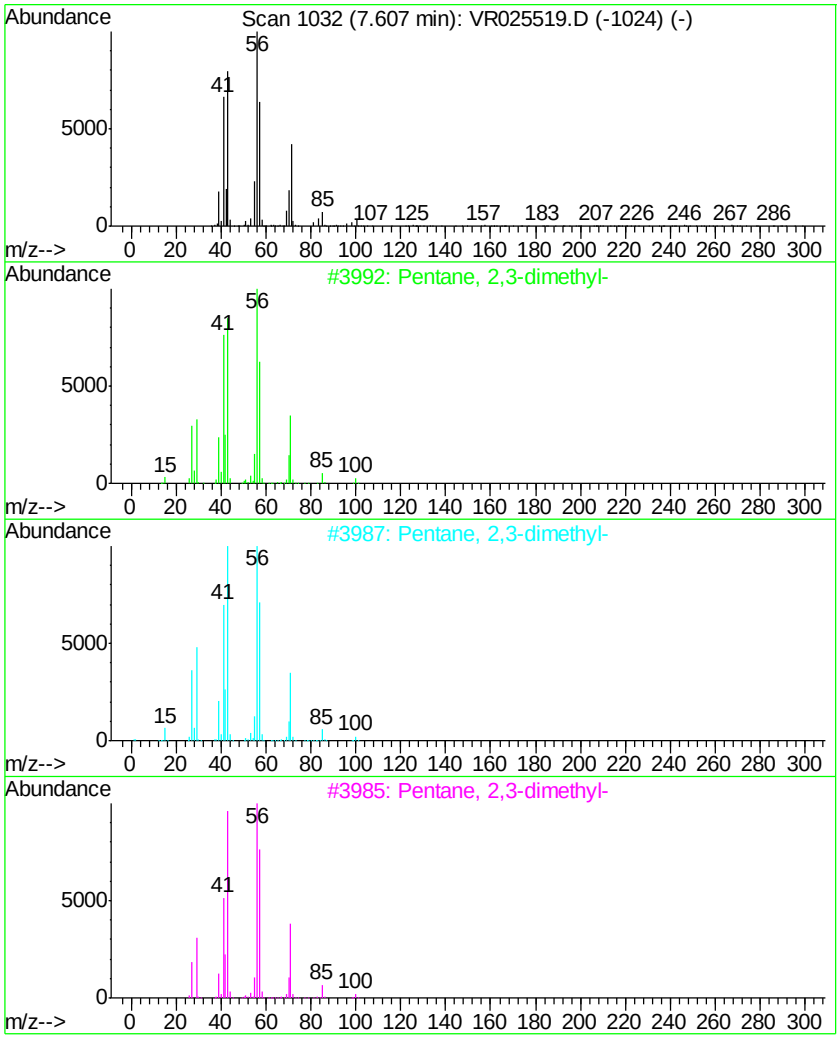
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

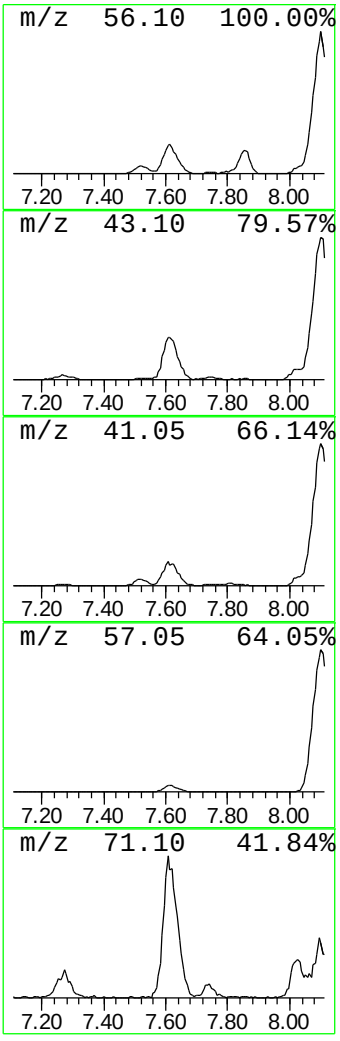
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	3.70 ug/L	968845	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
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	53
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
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Acq On : 19 Jul 2018 12:42
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Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

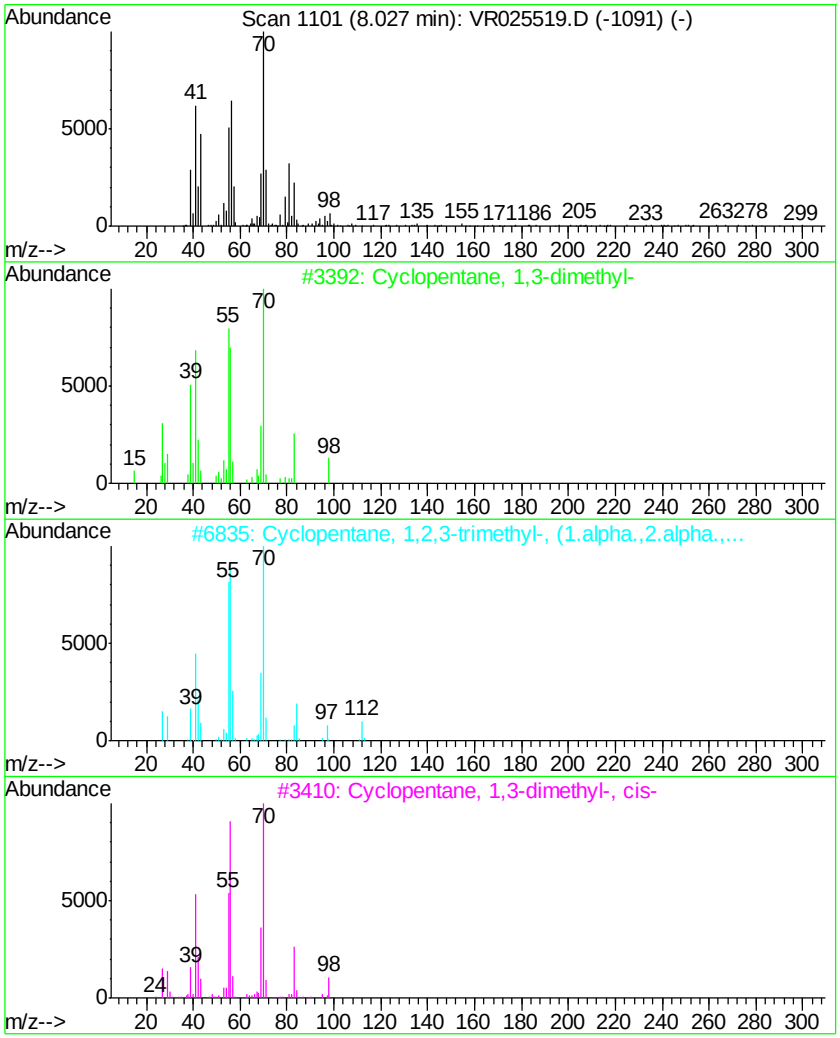
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

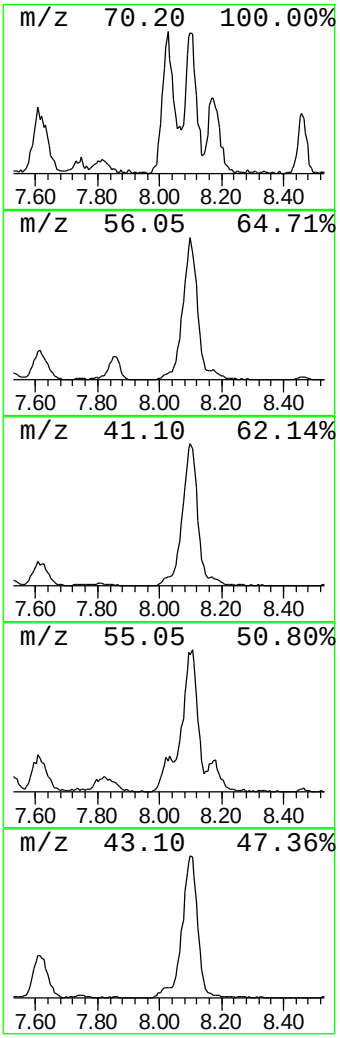
****

Peak Number 5 (DEL) Alkane: Cyclic8.03 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	0.97 ug/L	253954	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	59
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	50
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	50
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	46
5	Isopropylcyclobutane	98	C7H14	000872-56-0	43





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Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

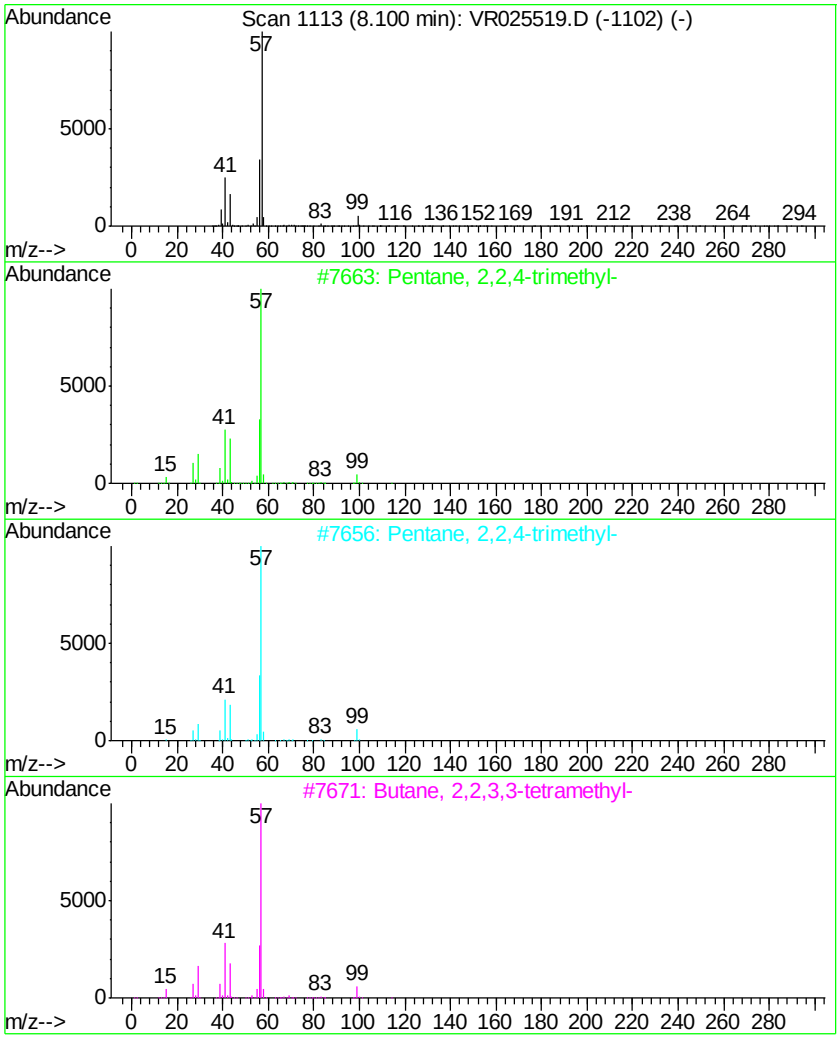
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

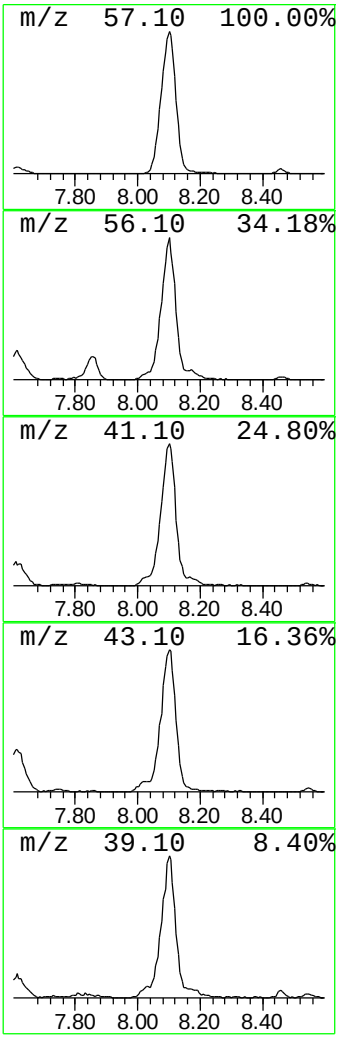
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	22.88 ug/L	5997540	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83





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Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

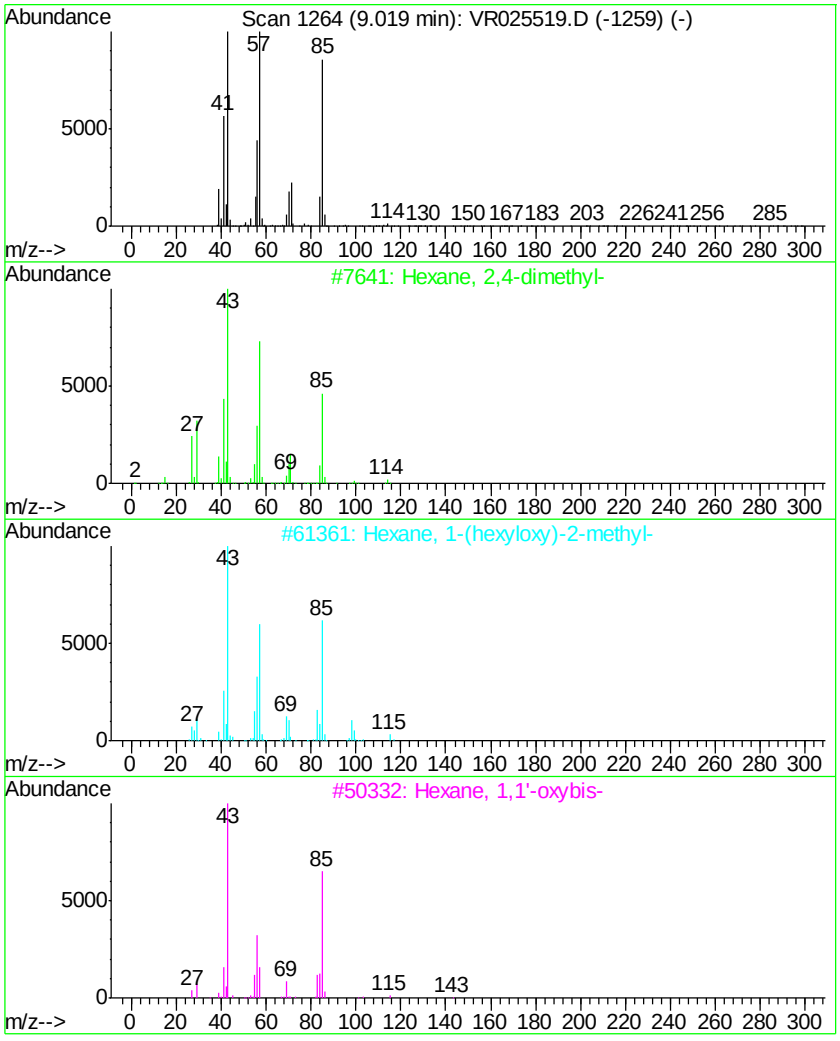
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

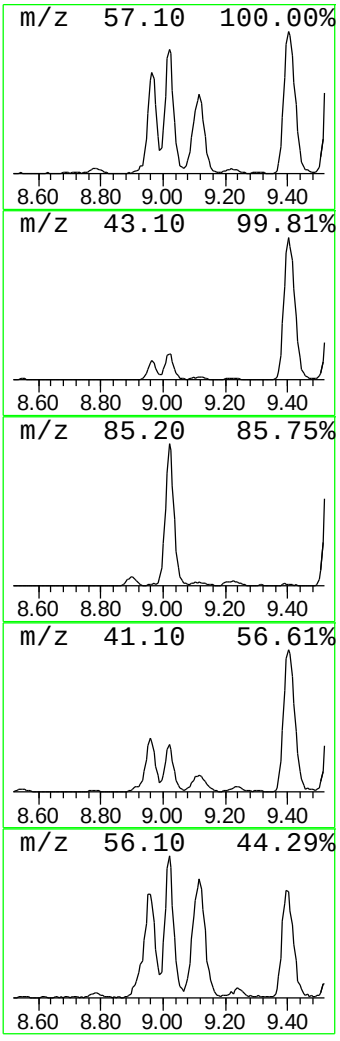
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	4.52 ug/L	1185310	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
2	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	78
3	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
5	4,4-Dimethyl octane	142	C10H22	015869-95-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

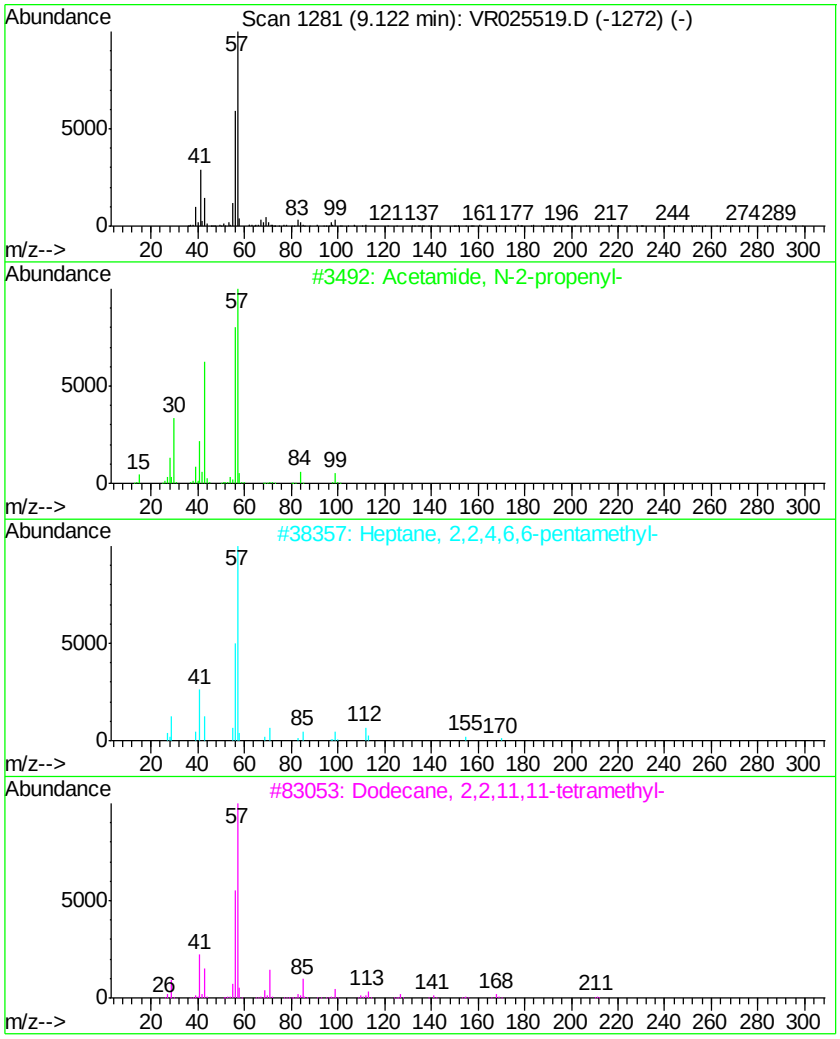
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

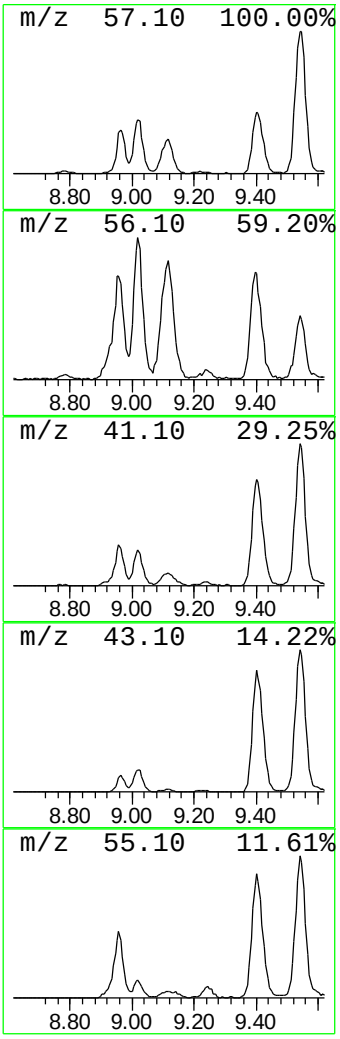
****

Peak Number 8 Acetamide, N-2-propenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	2.07 ug/L	542131	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	59
2	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	45
3	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	45
4	Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	45
5	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

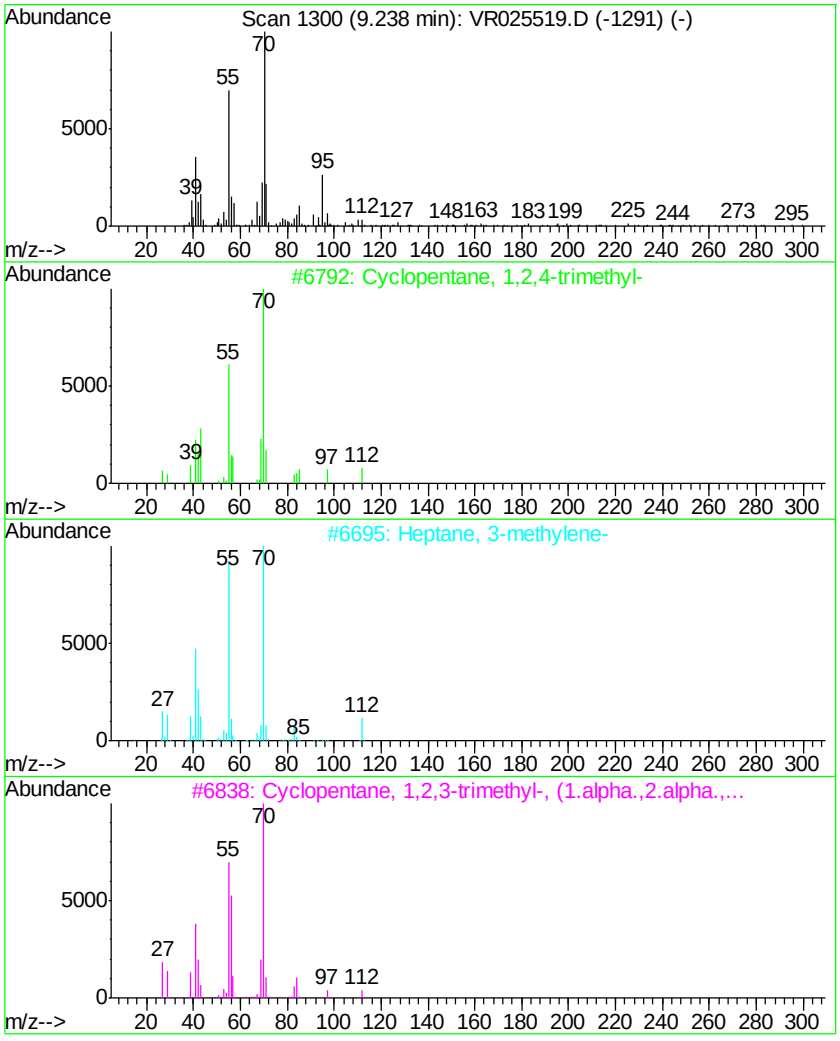
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

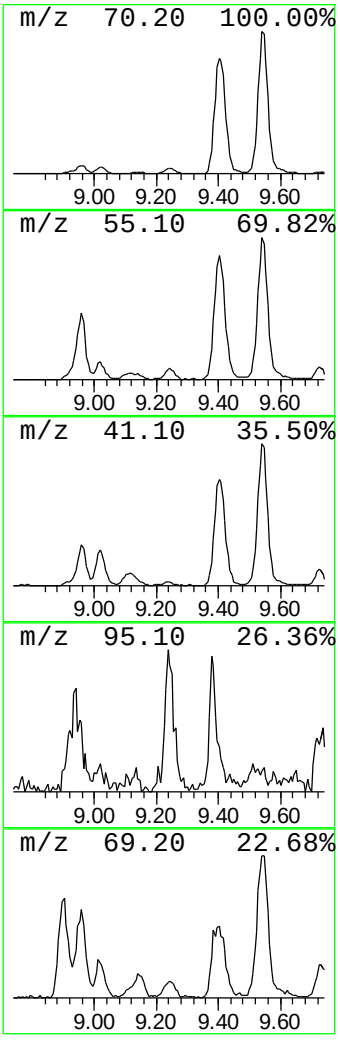
****

Peak Number 9 (DEL) Alkane: Cyclic9.24 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	0.79 ug/L	206879	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	76
2	Heptane, 3-methylene-	112	C8H16	001632-16-2	64
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
4	Nonane, 3-methylene-	140	C10H20	051655-64-2	59
5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

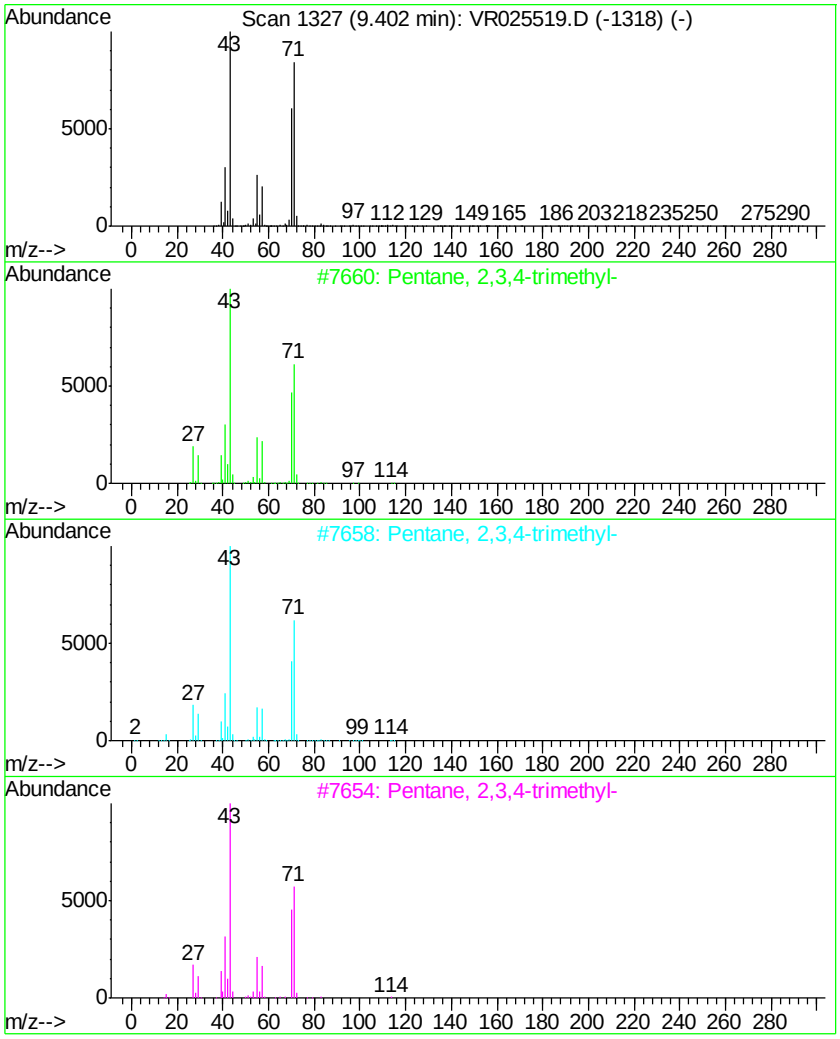
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

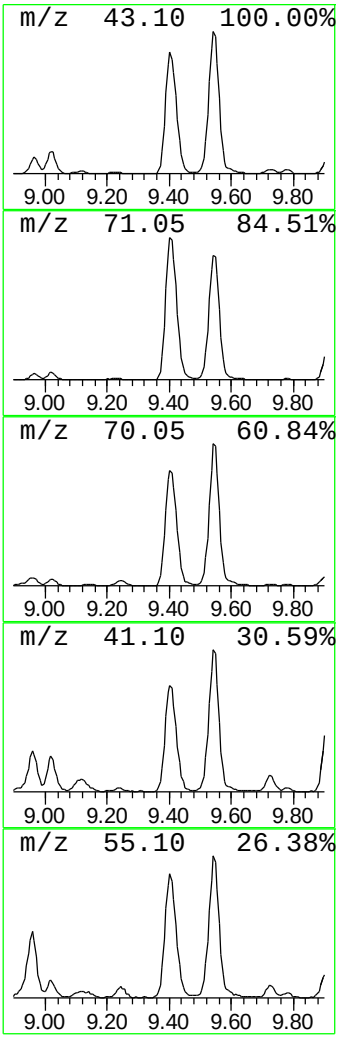
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	21.09 ug/L	5526740	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

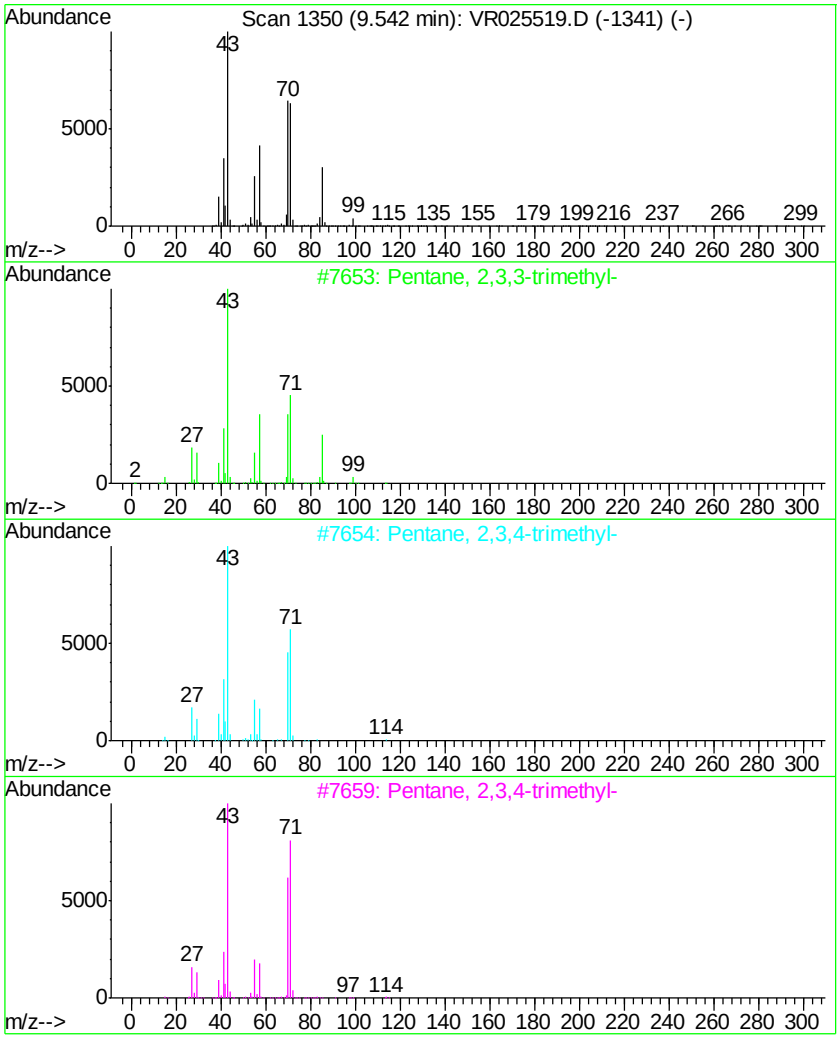
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

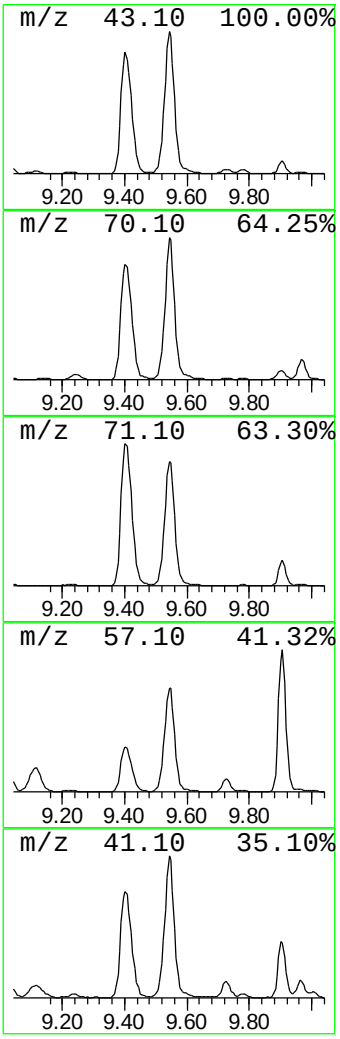
****

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	26.00 ug/L	6812970	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	74
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

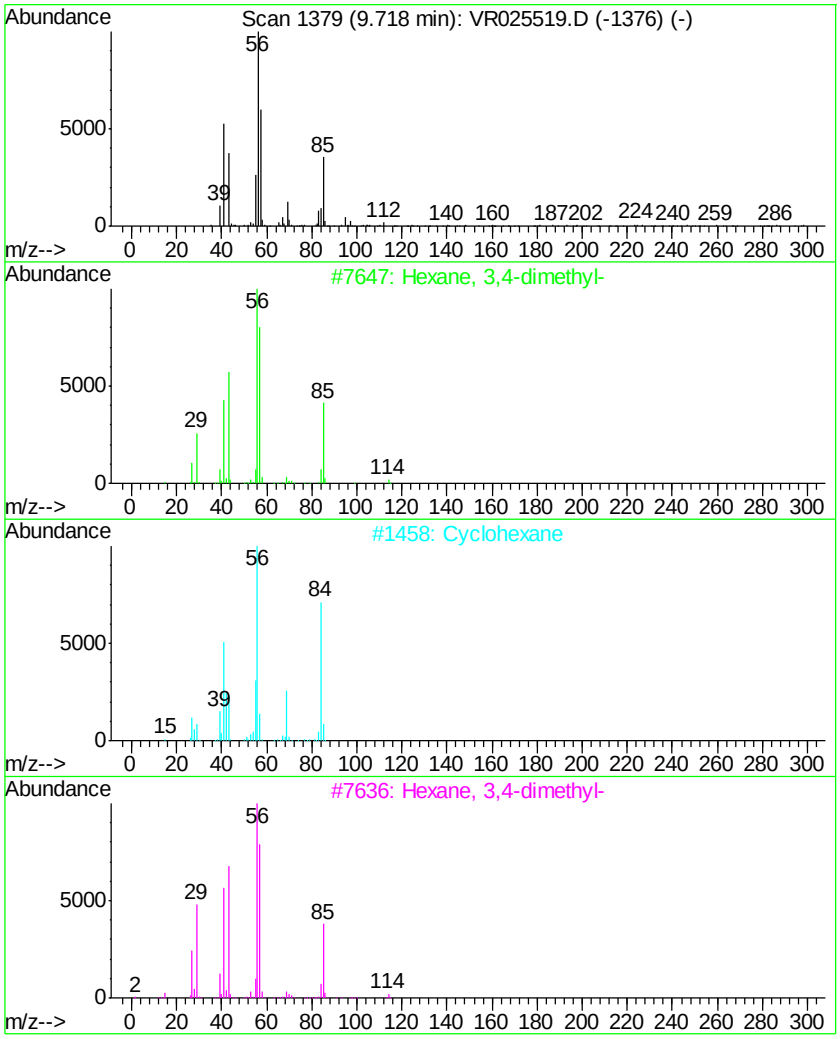
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

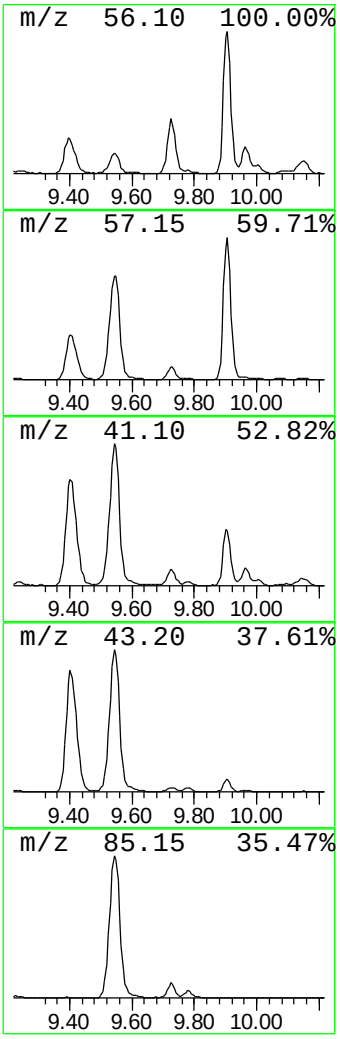
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	1.73 ug/L	453579	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	50
2	Cyclohexane	84	C6H12	000110-82-7	50
3	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	50
4	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	50
5	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

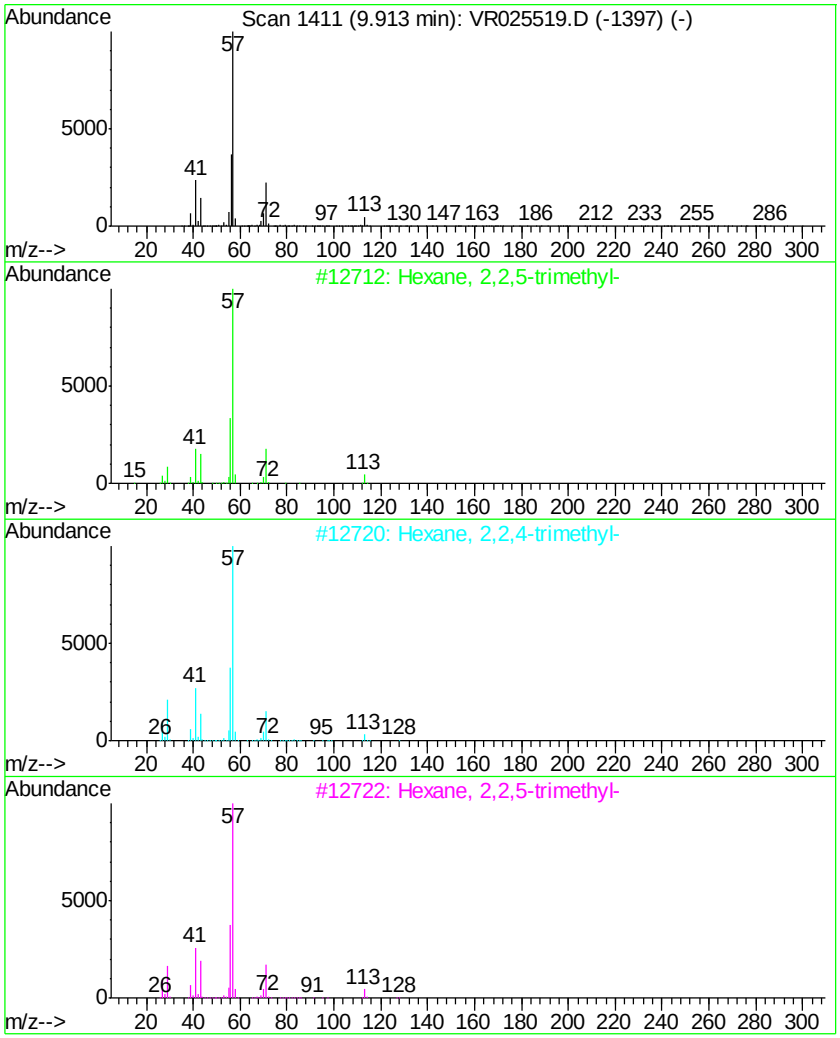
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

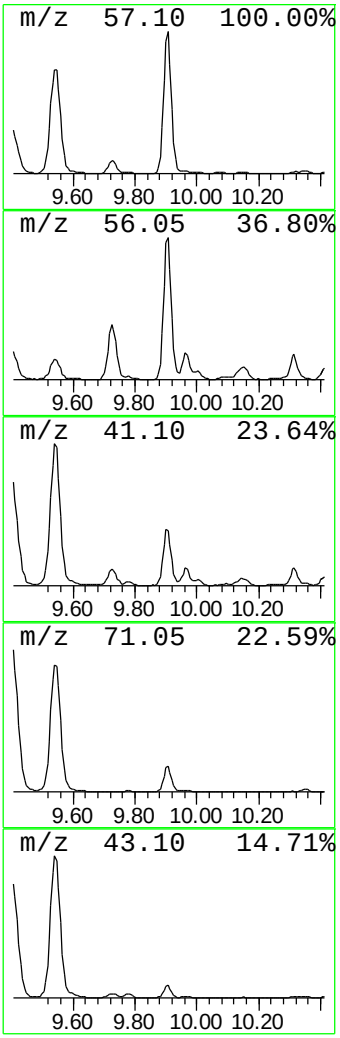
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	5.52 ug/L	1702380	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	74
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	72
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

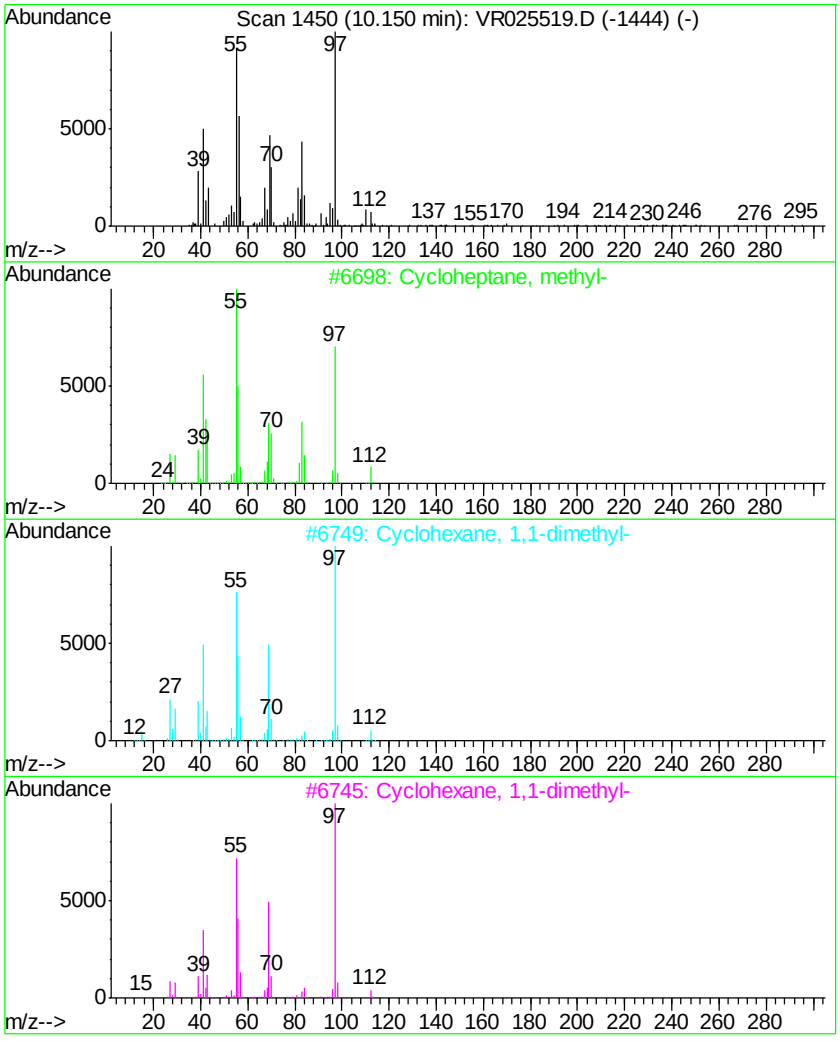
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

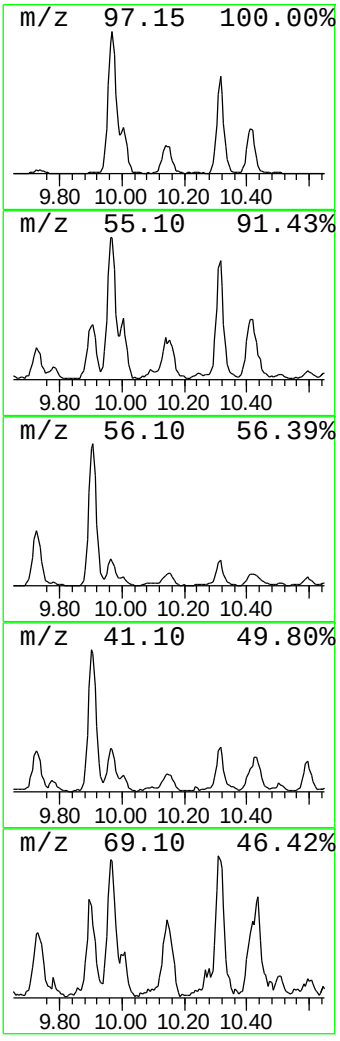
****

Peak Number 15 (DEL) Alkane: Cyclic10.15 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	1.16 ug/L	357746	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, methyl-	112	C8H16	004126-78-7	74
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	52
4	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	50
5	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

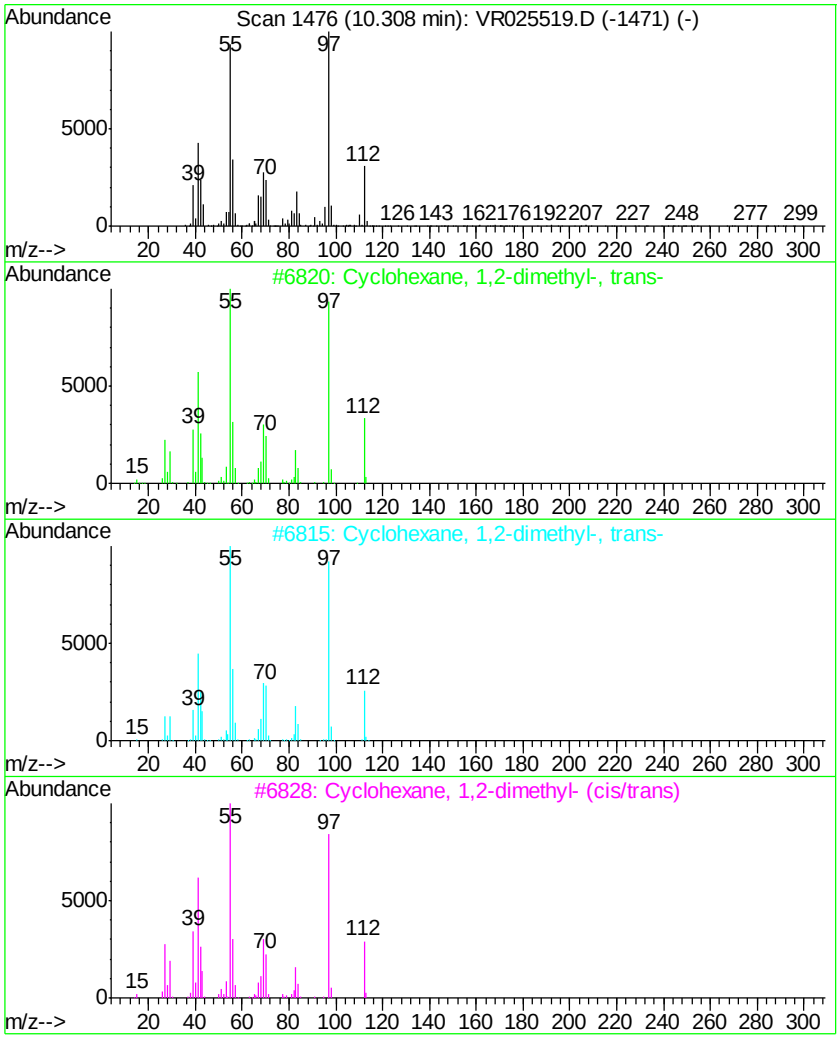
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

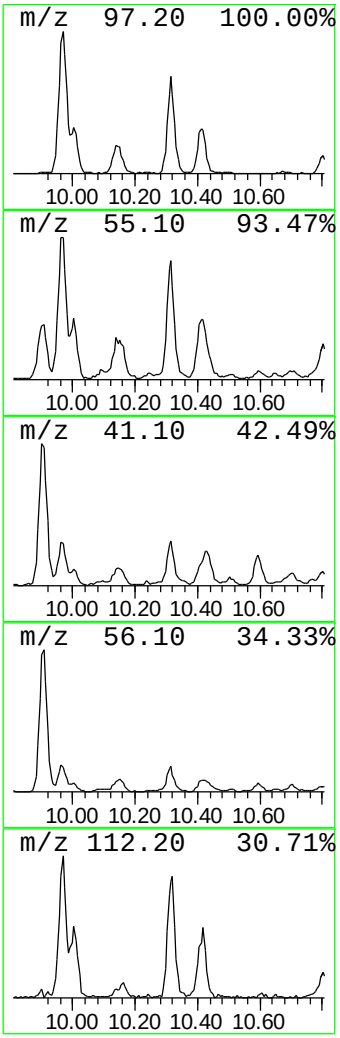
****

Peak Number 16 (DEL) Alkane: Cyclic10.31 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	2.29 ug/L	705737	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

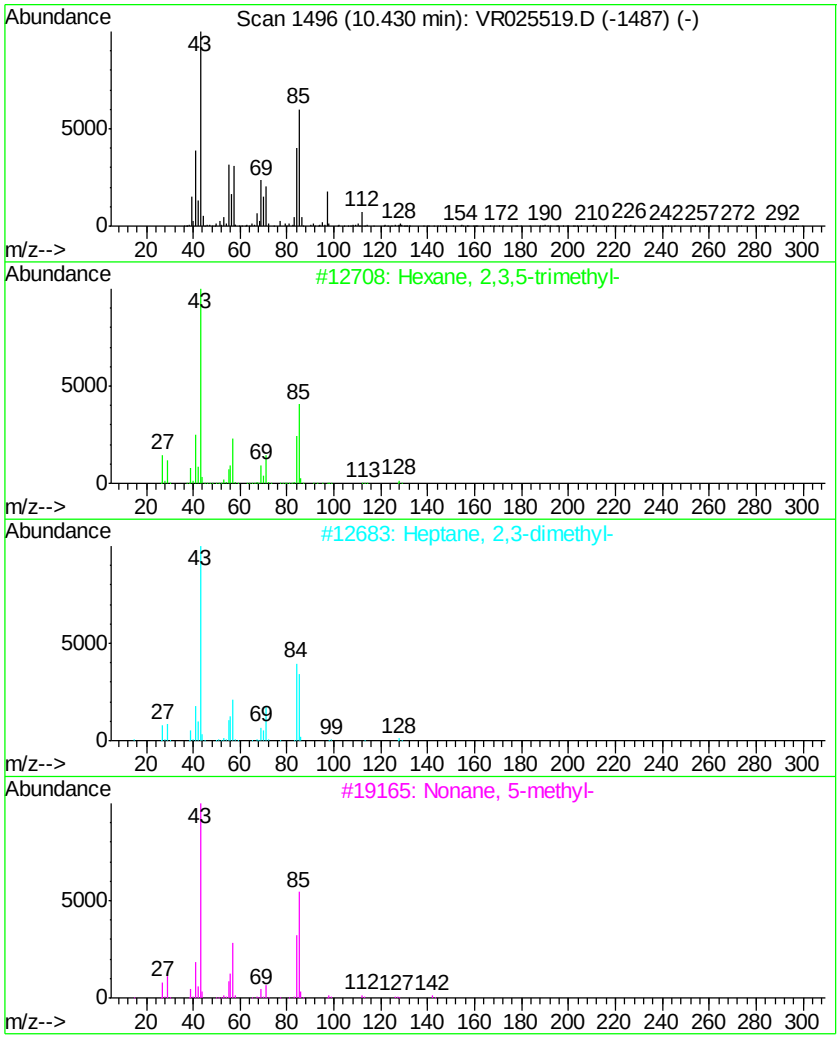
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

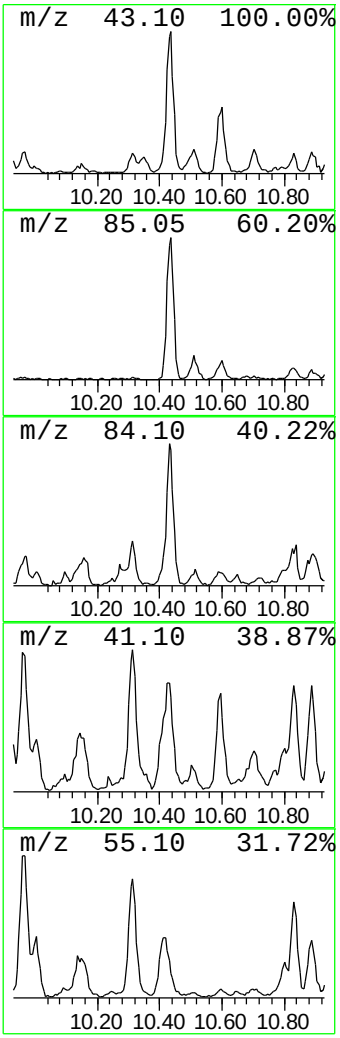
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	2.26 ug/L	698773	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	58
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
3	Nonane, 5-methyl-	142	C10H22	015869-85-9	53
4	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	50
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

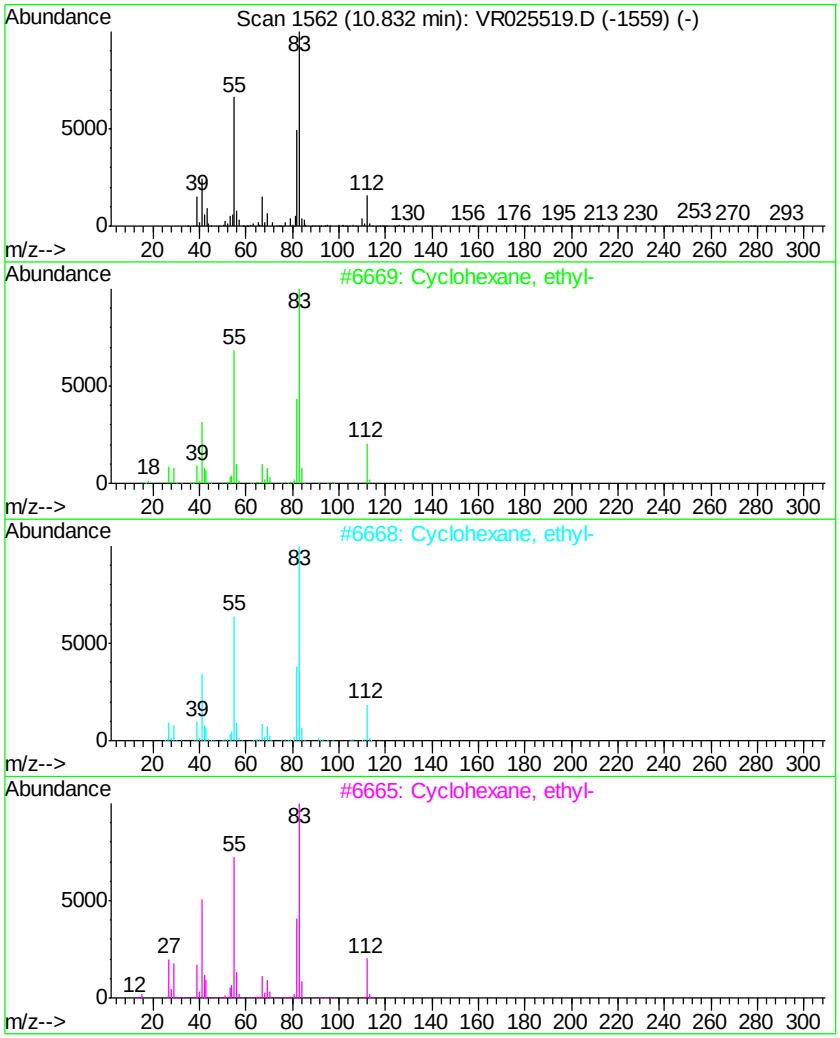
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

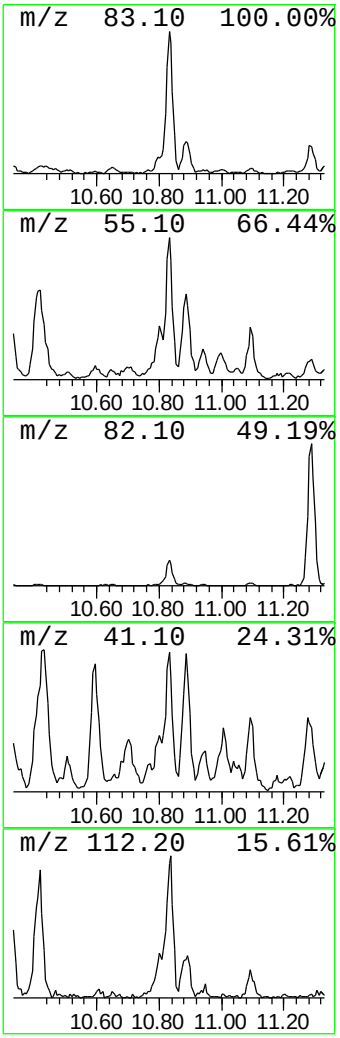
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic10.83 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	1.24 ug/L	381493	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	55
5	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

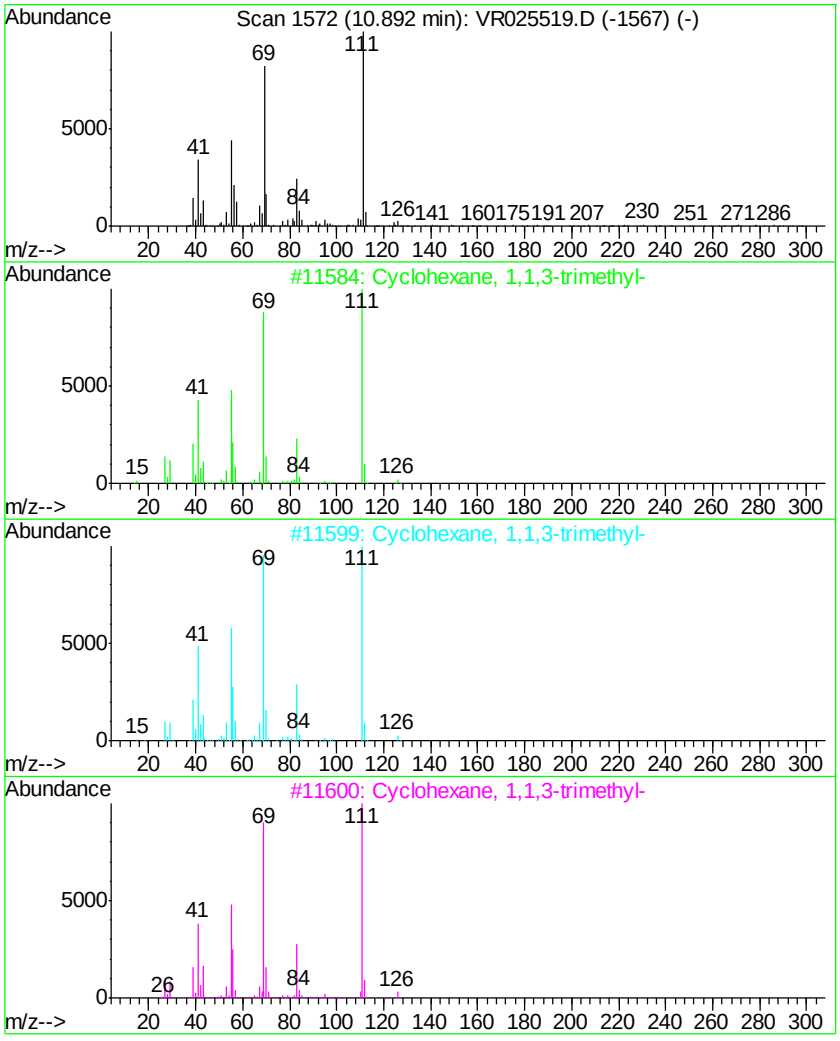
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

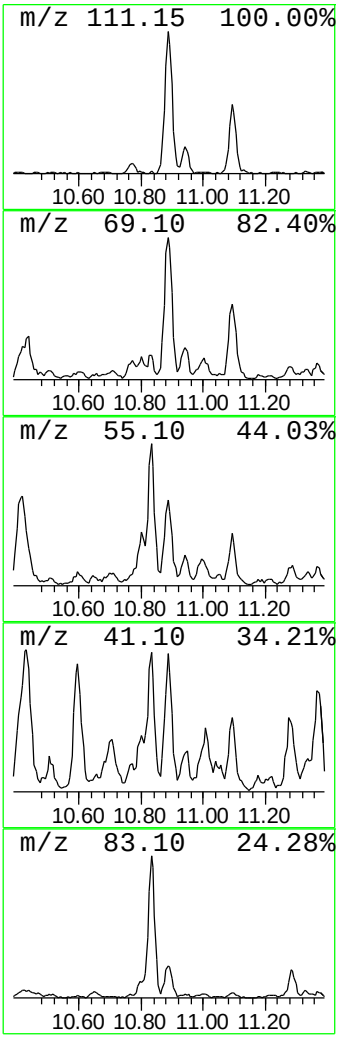
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic10.89 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	1.35 ug/L	417123	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	64
5	Cyclooctanemethanol	142	C9H18O	003637-63-6	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

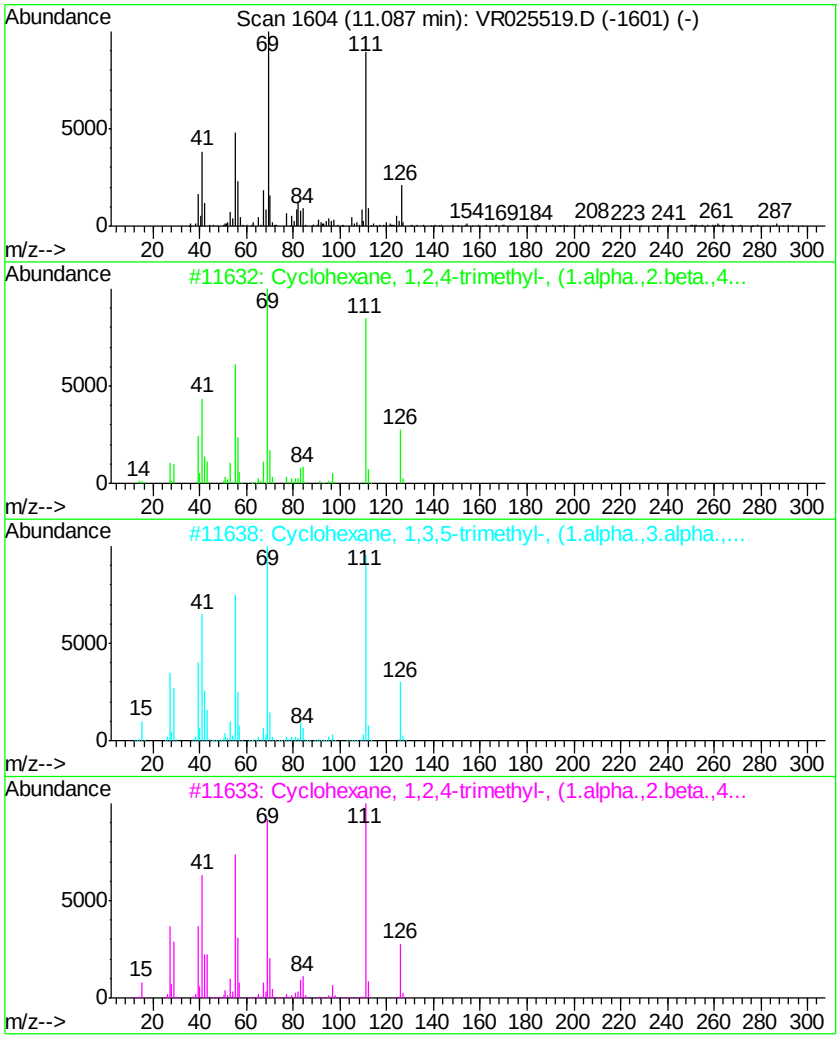
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

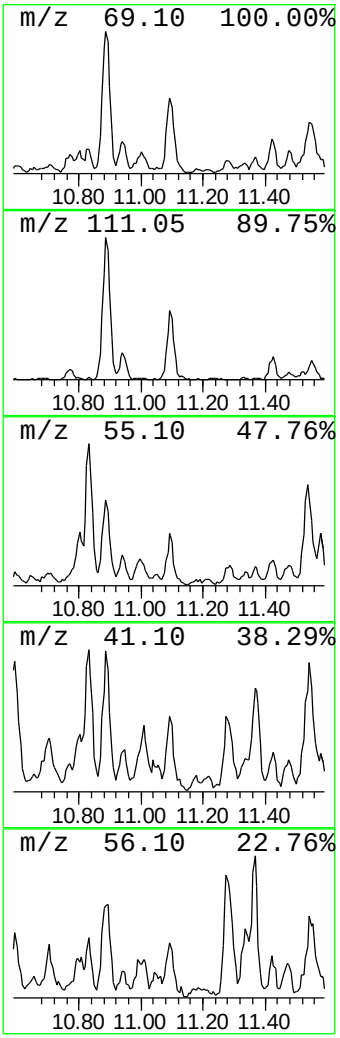
****

Peak Number 20 (DEL) Alkane: Cyclic11.09 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	0.89 ug/L	276047	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	92
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

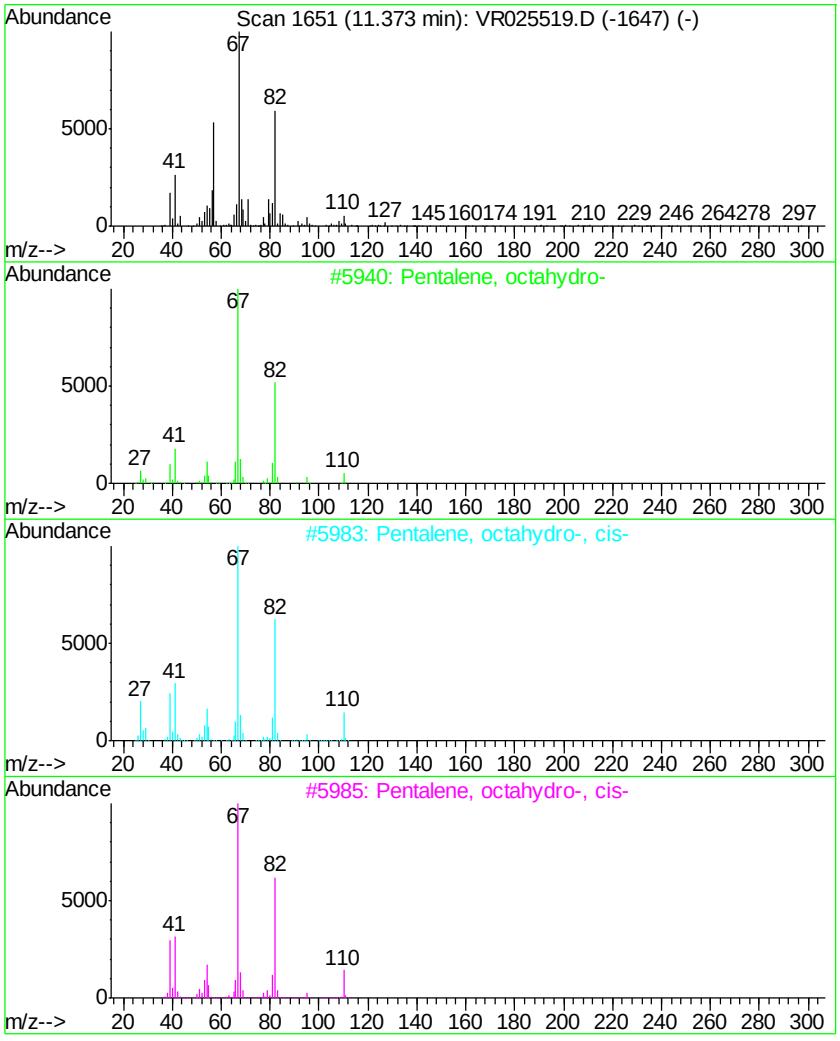
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

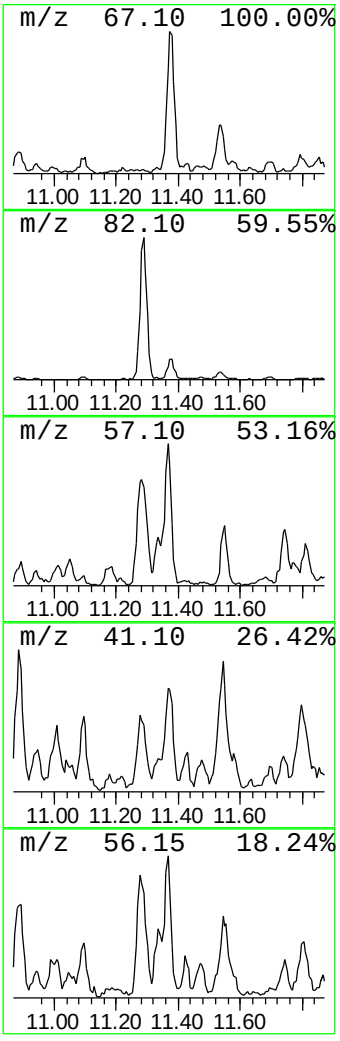
****

Peak Number 21 Pentalene, octahydro- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	1.07 ug/L	330081	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	83
2	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	80
3	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	72
4	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	72
5	4-Methyl-2-pentyne	82	C6H10	021020-27-9	64





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Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

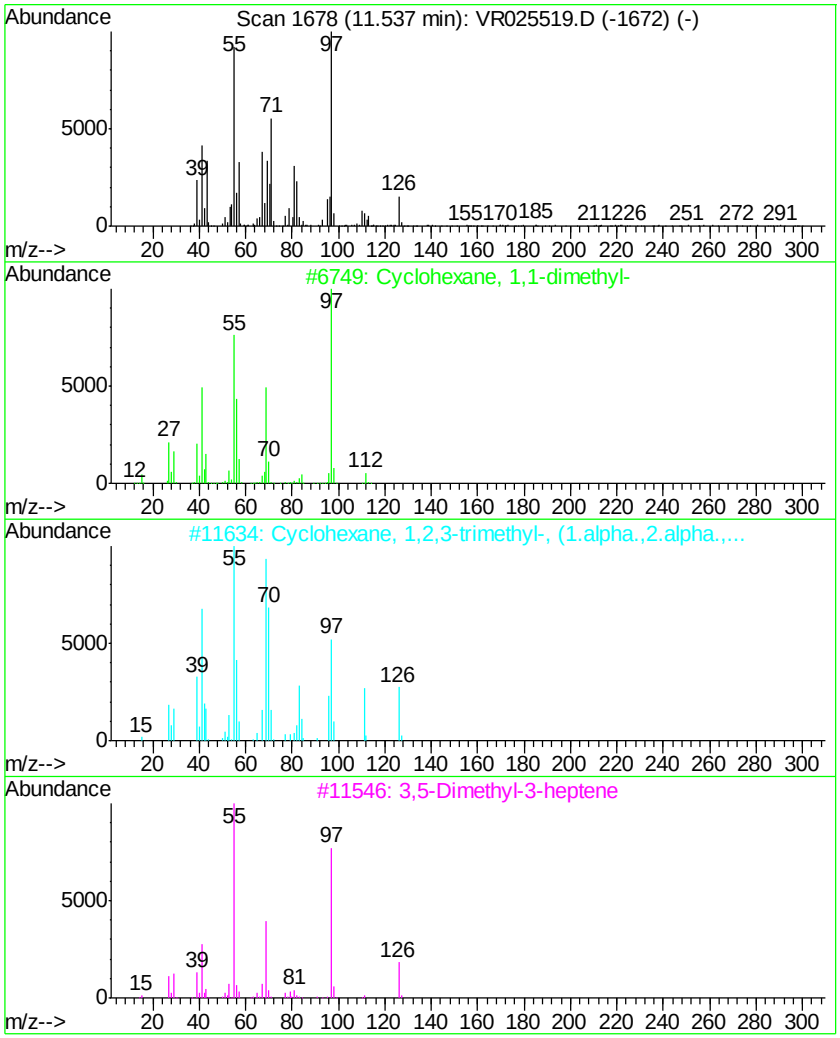
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

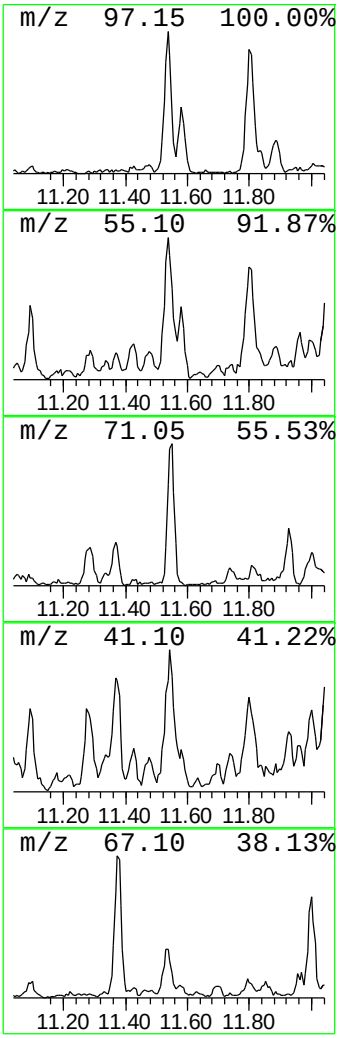
****

Peak Number 22 (DEL) Alkane: Cyclic11.54 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	1.69 ug/L	521069	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	30
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	30
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	30
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	30
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	30





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Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

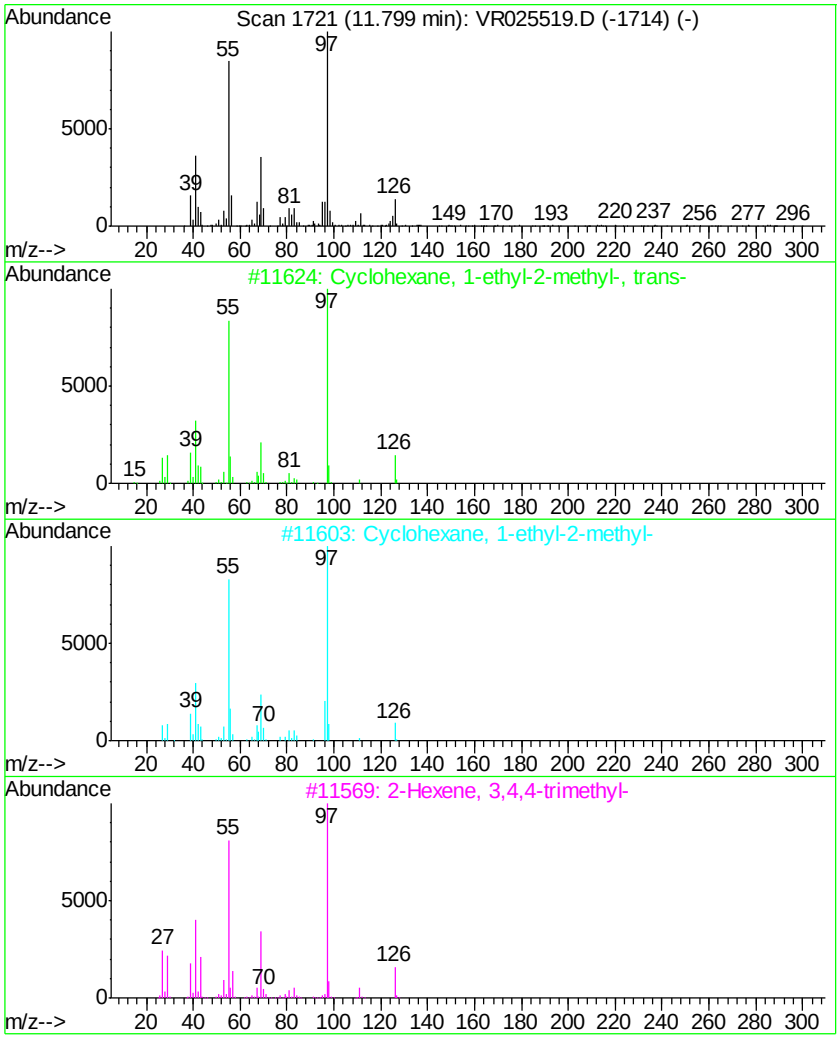
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

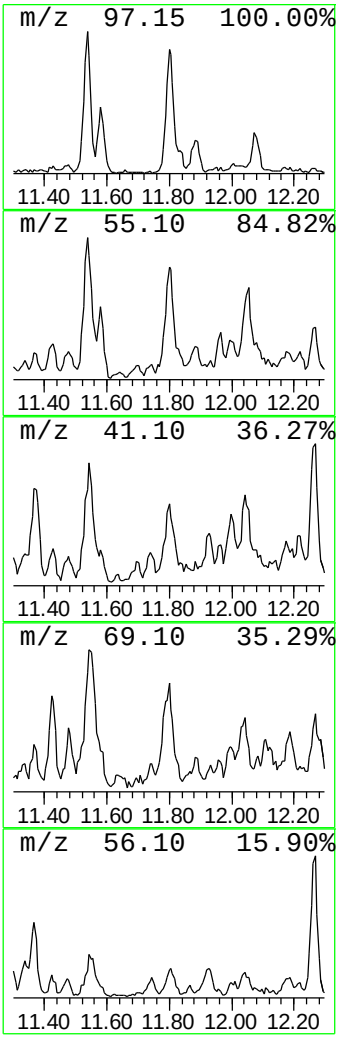
****

Peak Number 23 (DEL) Alkane: Cyclic11.80 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	1.01 ug/L	312597	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	76
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72
3	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	72
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
5	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

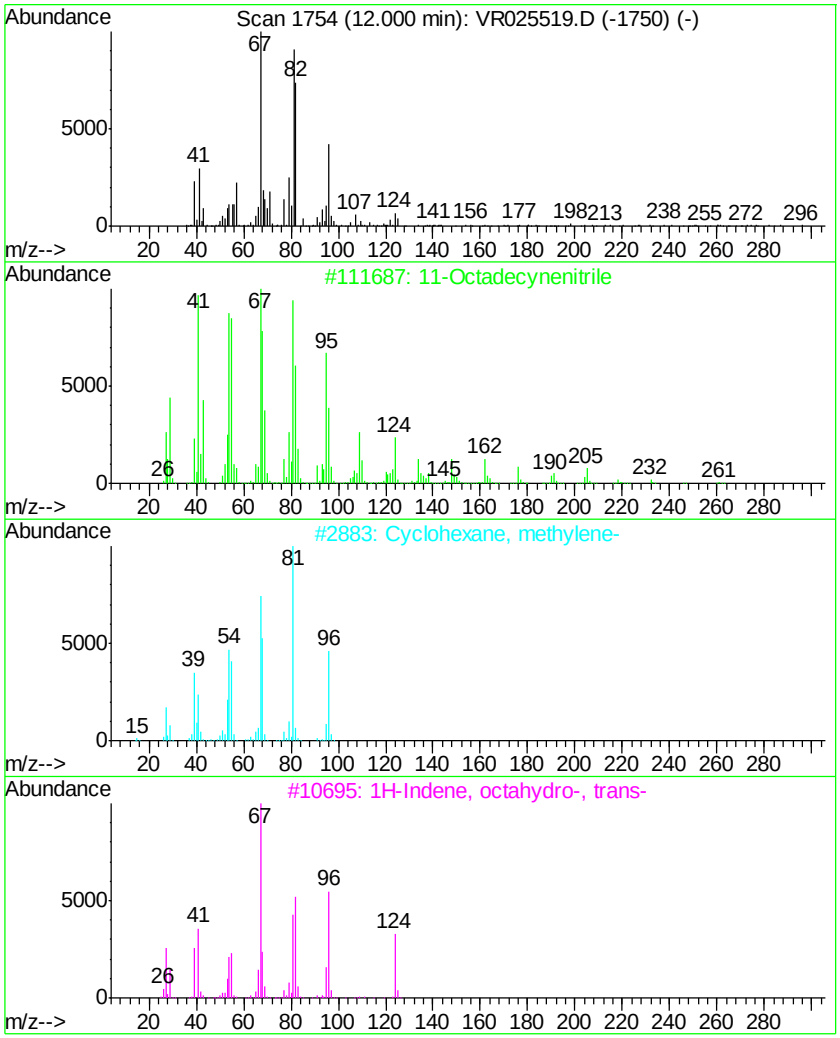
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

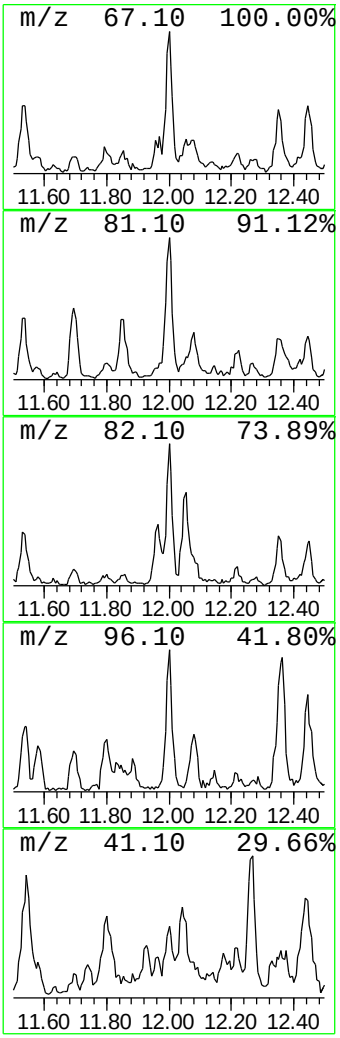
****

Peak Number 24 11-Octadecynenitrile Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	0.80 ug/L	247592	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecynenitrile	261	C18H31N	056599-92-9	64
2	Cyclohexane, methylene-	96	C7H12	001192-37-6	53
3	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	46
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	46
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

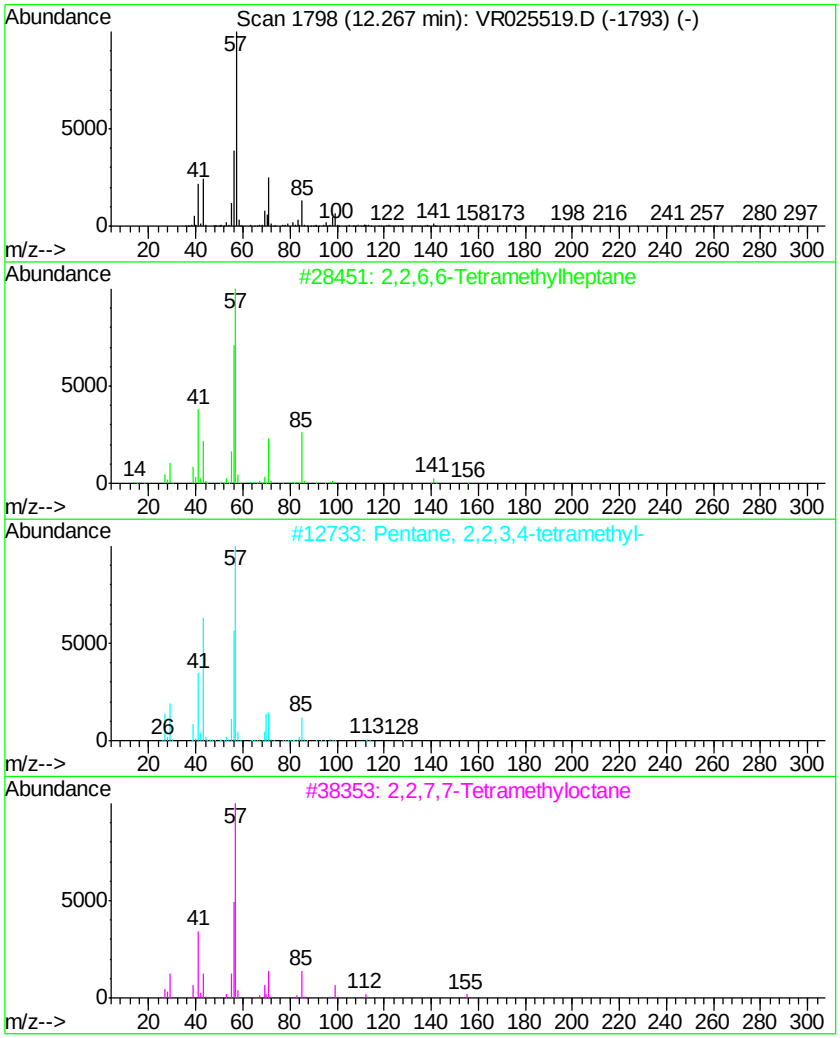
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

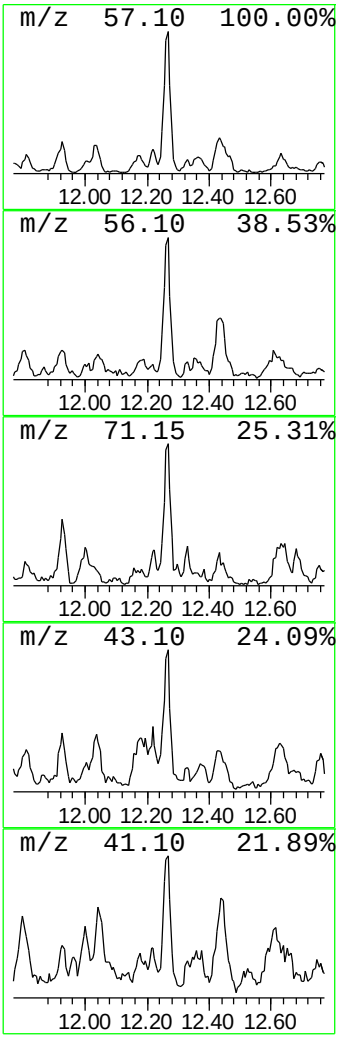
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	2.03 ug/L	416973	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	50
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	47
3	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	45
4	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	43
5	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

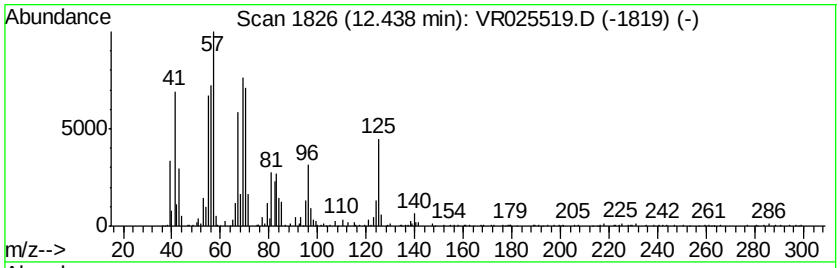
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

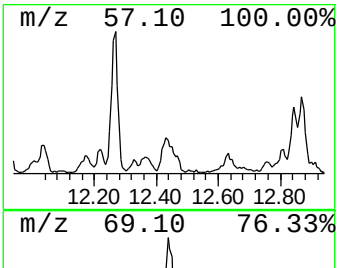
****

Peak Number 26 (DEL) Alkane: Cyclic12.44 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	1.71 ug/L	350157	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	64
2	3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	46
3	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	46
4	4-Nonene, 5-methyl-	140	C10H20	015918-07-7	43
5	4-Decene, 2-methyl-, (Z)-	154	C11H22	055499-07-5	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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

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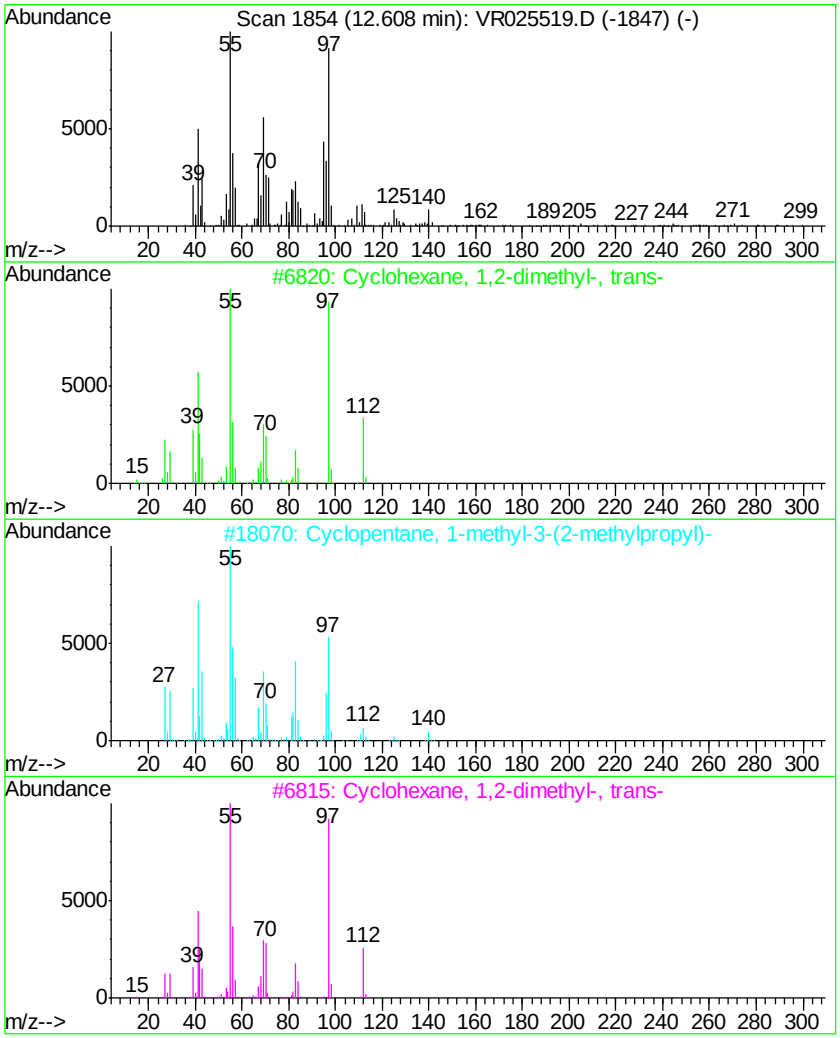
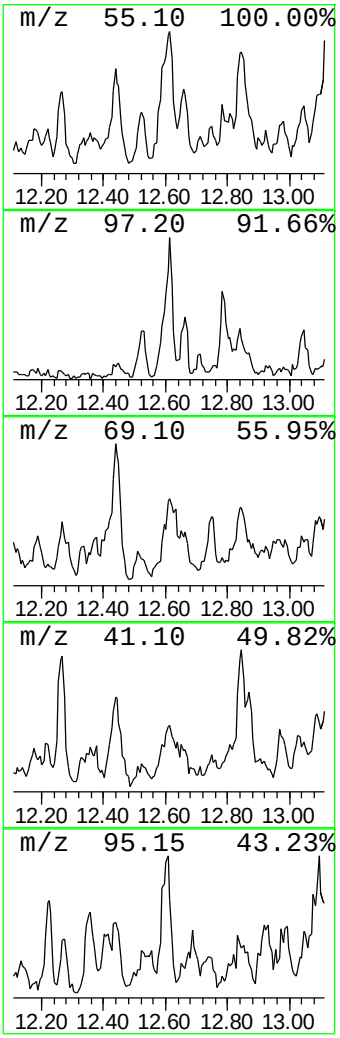
Peak Number 27 (DEL) Alkane: Cyclic12.61 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	1.85 ug/L	380328	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	55
2	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	49
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	49
4	Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	49
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	46





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Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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

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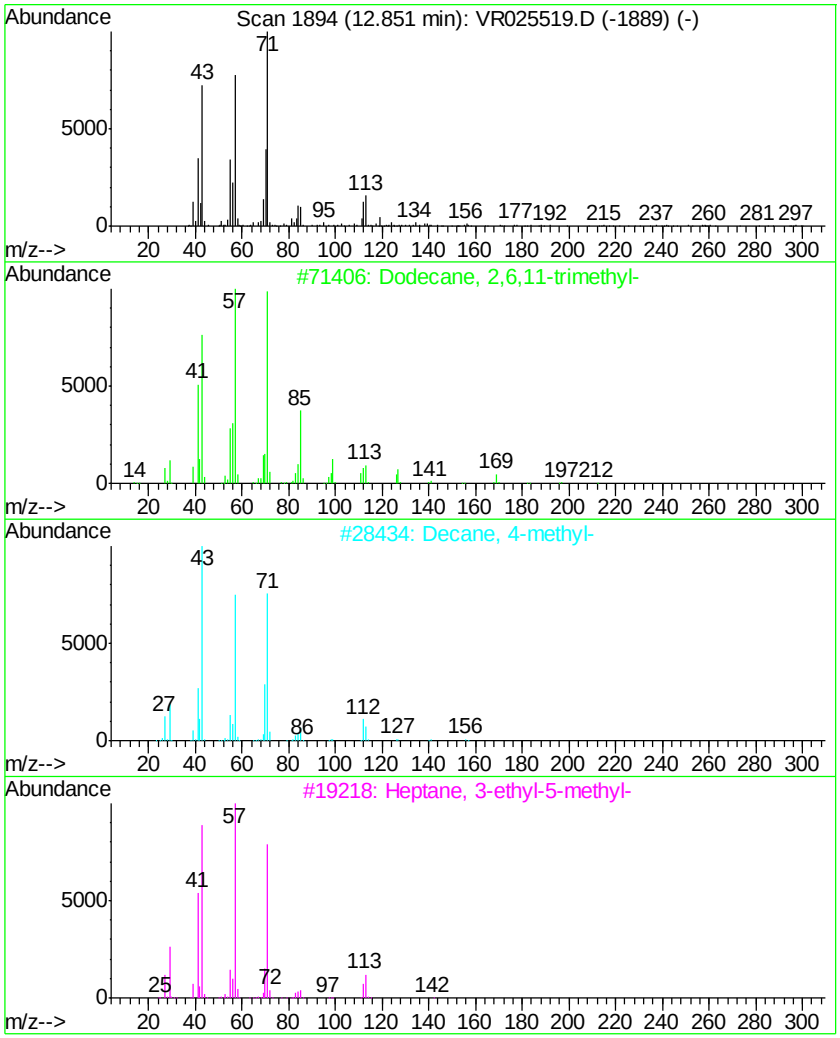
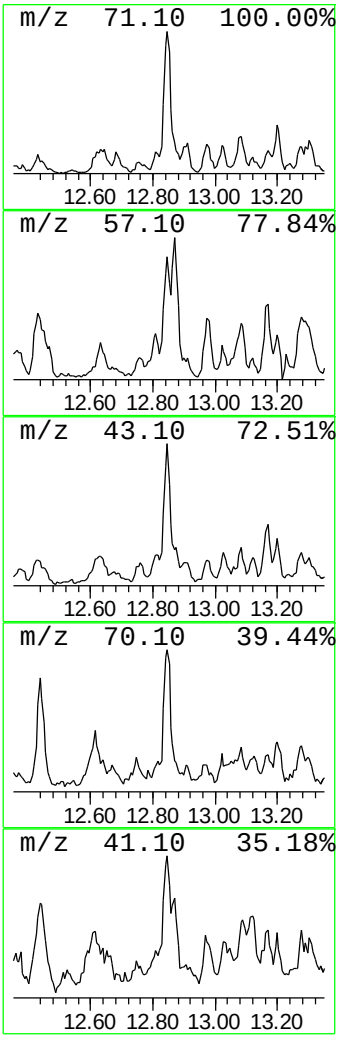
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	2.11 ug/L	433347	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	87
2	Decane, 4-methyl-	156	C11H24	002847-72-5	81
3	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64
4	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	50
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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

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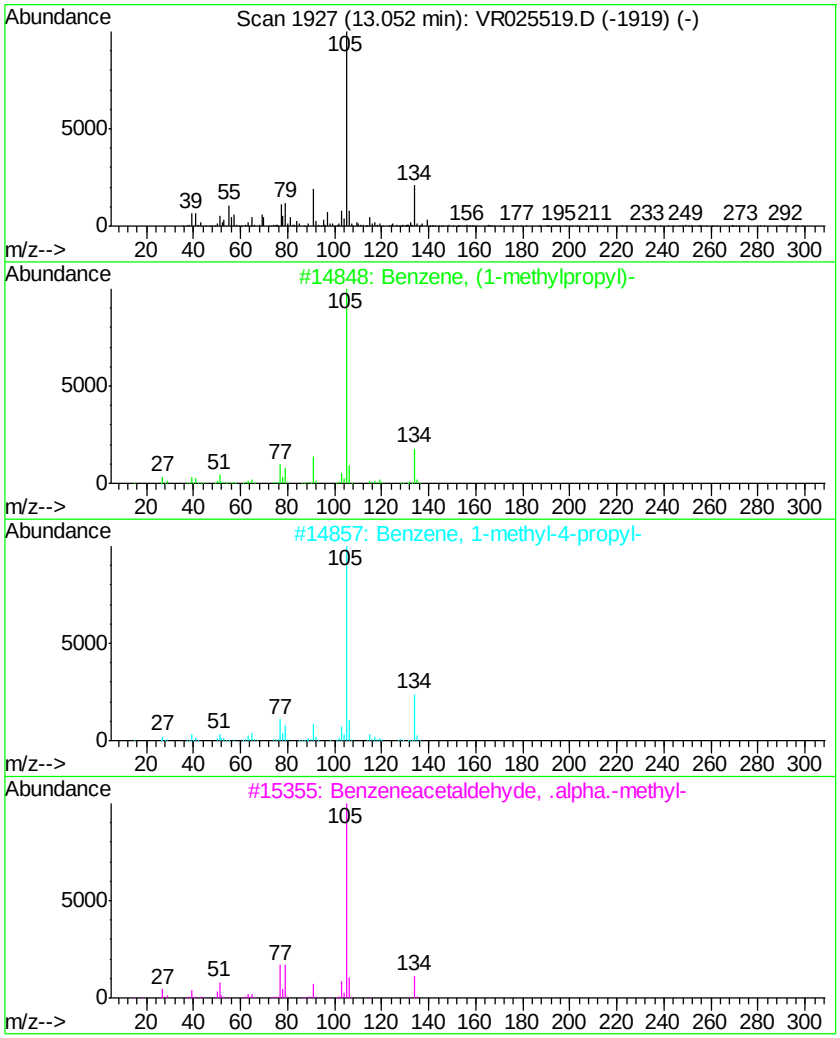
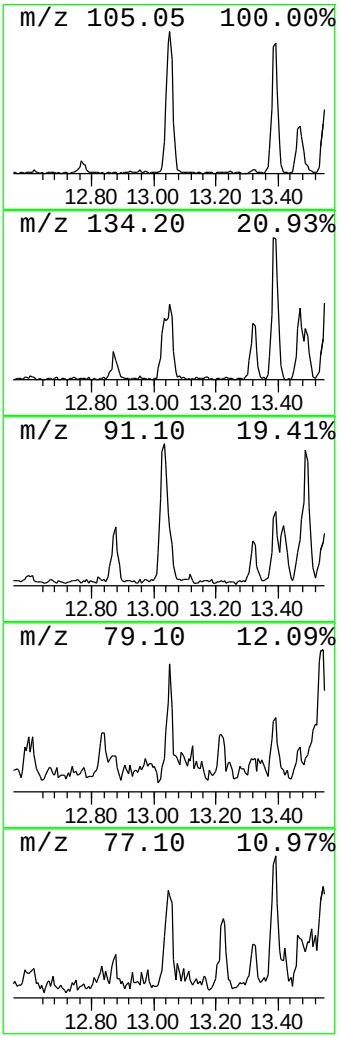
Peak Number 29 Benzene, (1-methylpropyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	2.12 ug/L	434039	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	74
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	72
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	72
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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

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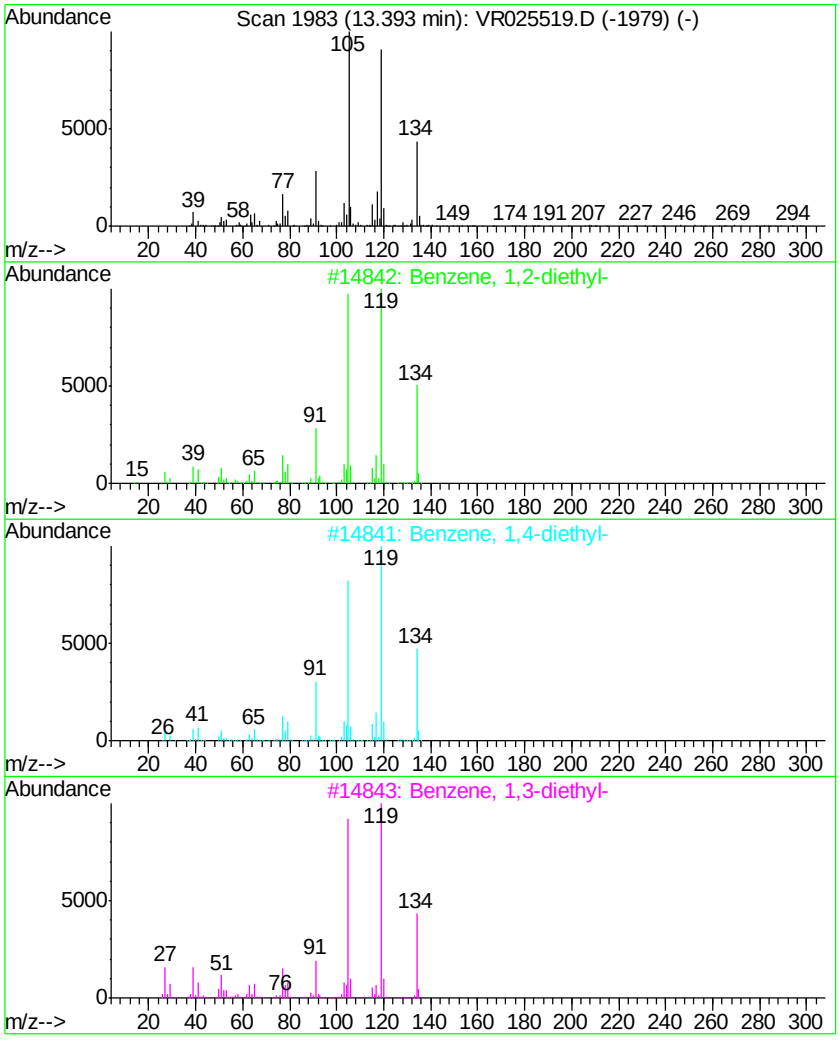
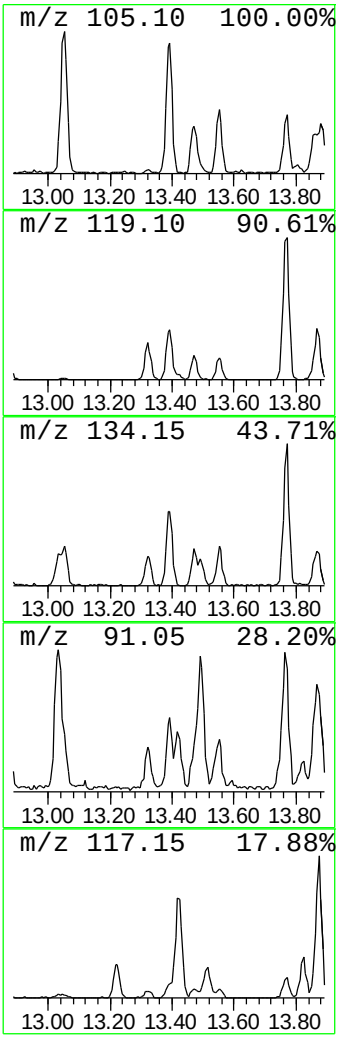
Peak Number 30 Benzene, 1,2-diethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	1.36 ug/L	278015	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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

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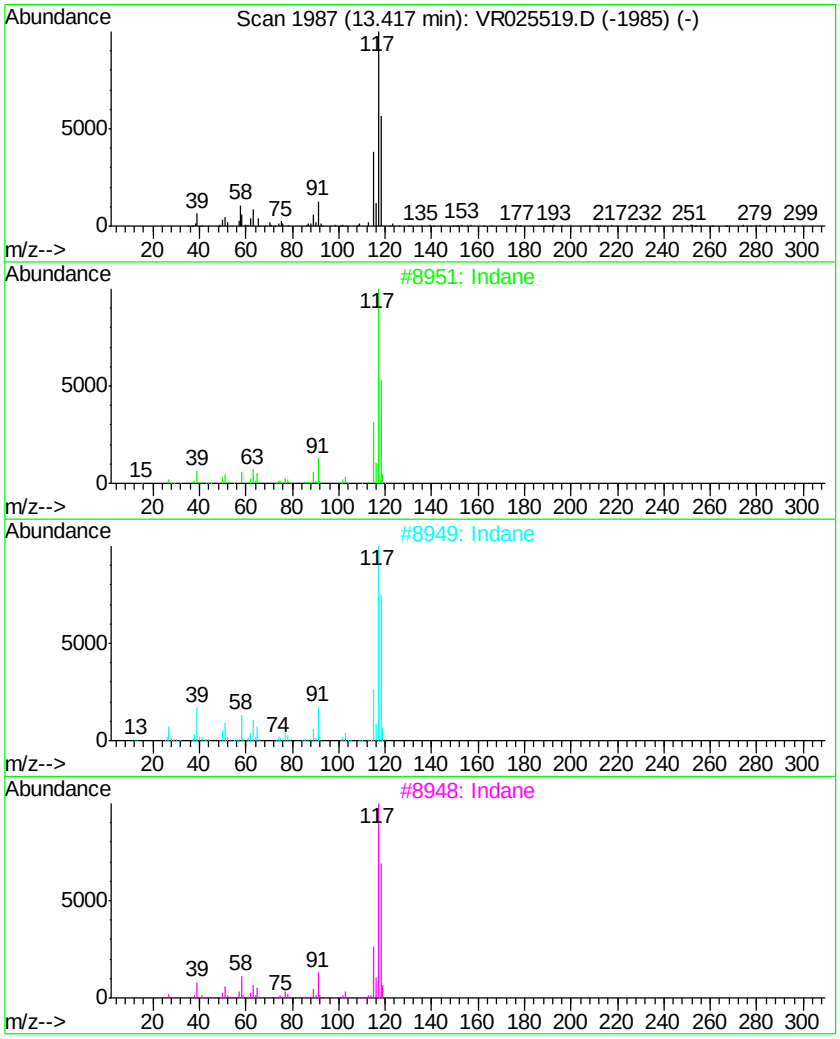
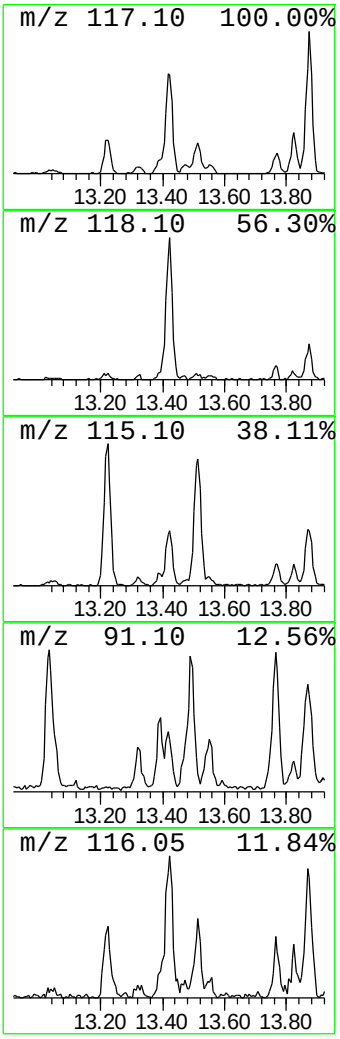
Peak Number 31 Indane Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	1.41 ug/L	289615	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	68
2	Indane	118	C9H10	000496-11-7	68
3	Indane	118	C9H10	000496-11-7	64
4	Benzene, (3-chloro-1-propenyl)-	152	C9H9Cl	002687-12-9	59
5	3-Bromo-1-phenyl-1-propene	196	C9H9Br	004392-24-9	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

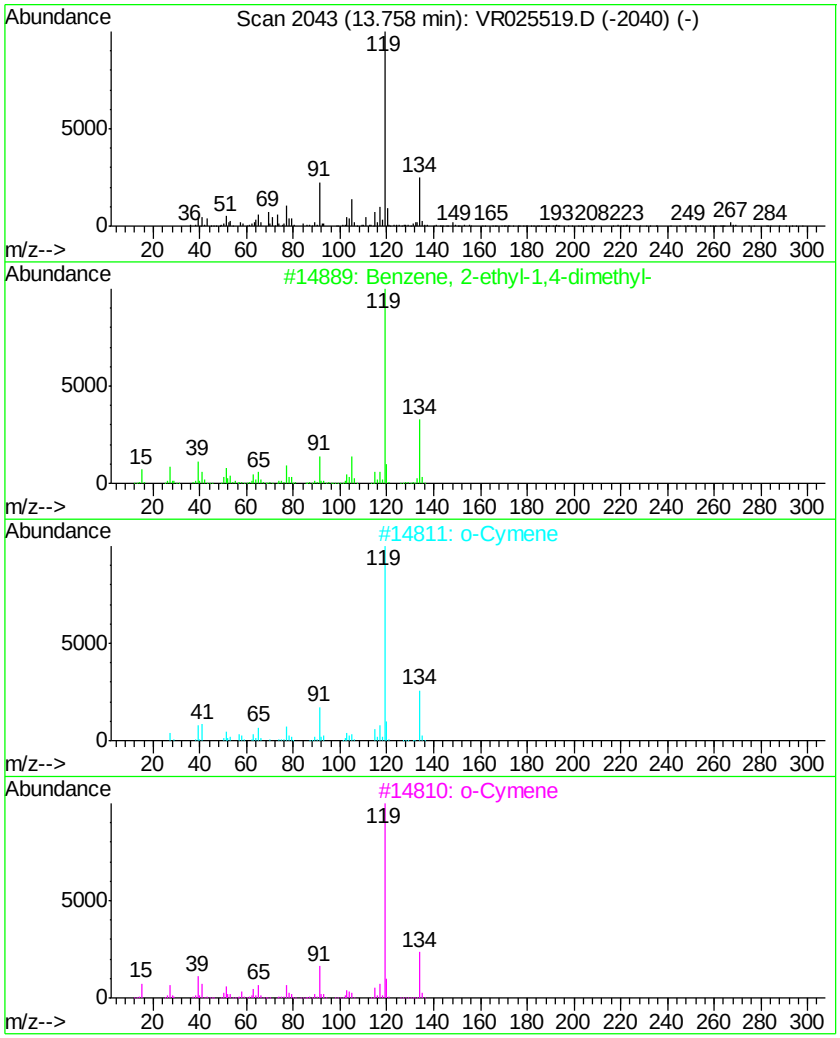
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

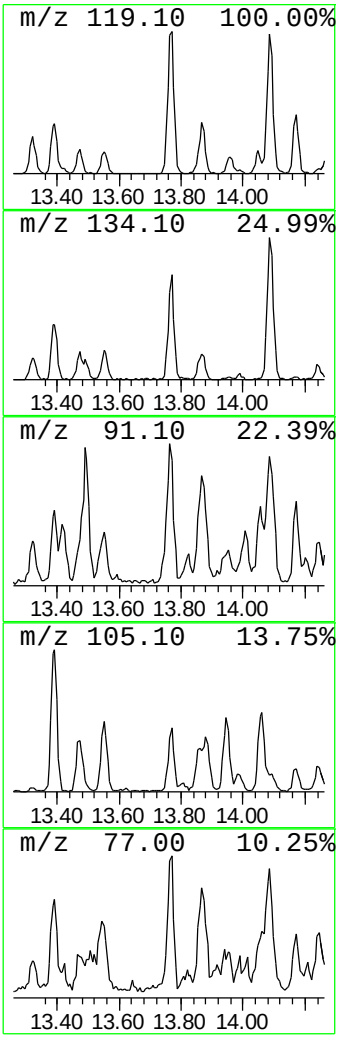
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.85 ug/L	584279	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	p-Cymene	134	C10H14	000099-87-6	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

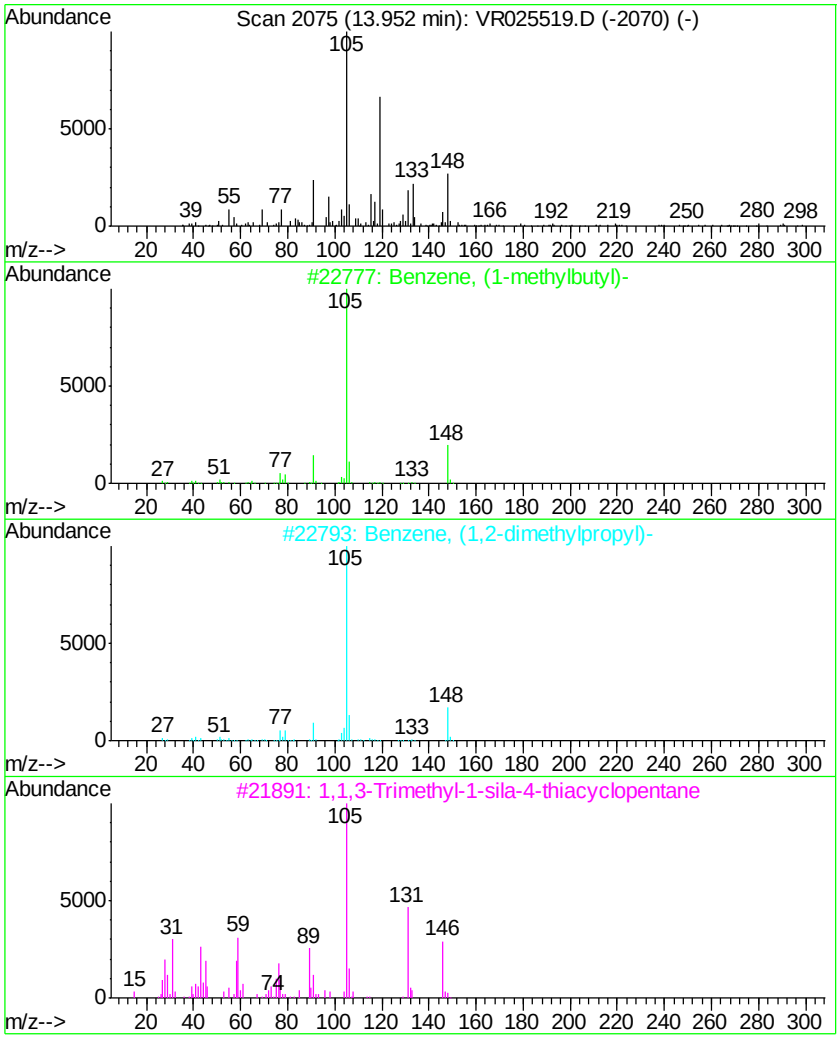
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

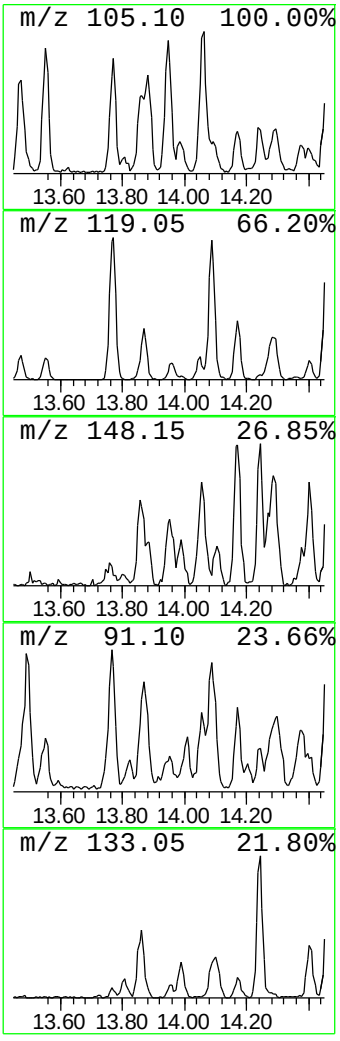
****

Peak Number 34 unknown-01 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	1.00 ug/L	204792	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	30
2	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	27
3	1,1,3-Trimethyl-1-sila-4-thiacyc...	146	C6H14SSi	085465-24-3	27
4	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	27
5	Isopropyl phenyl ketone	148	C10H12O	000611-70-1	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

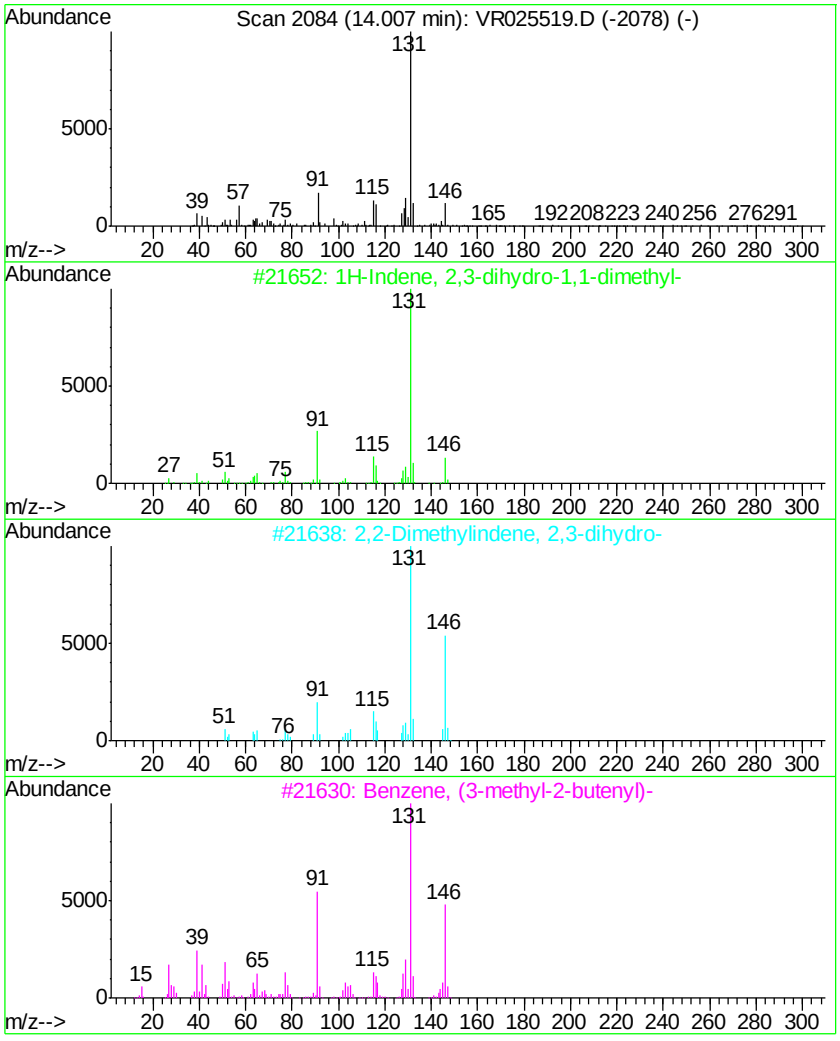
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

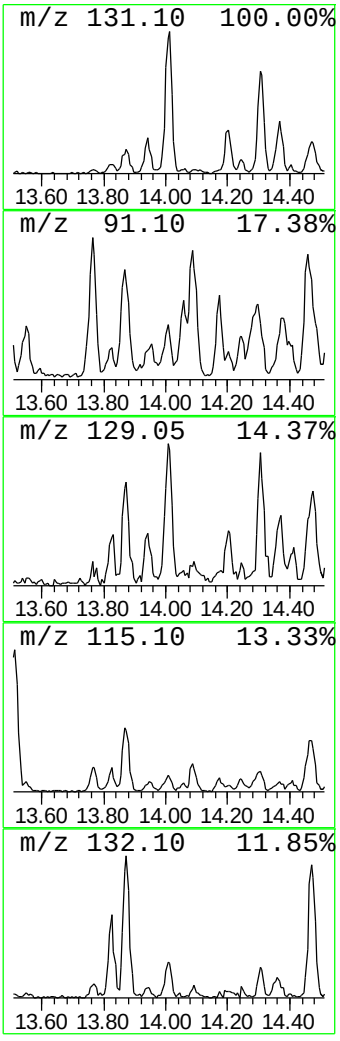
****

Peak Number 35 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	1.26 ug/L	258048	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

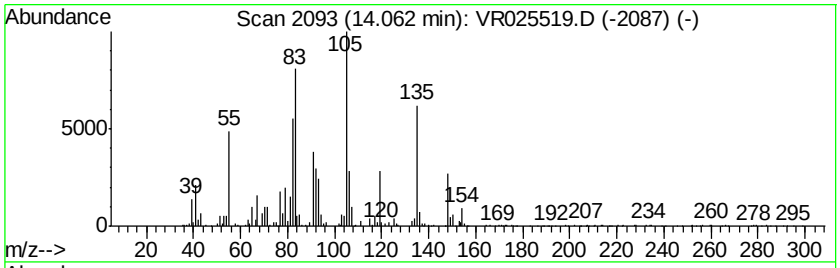
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

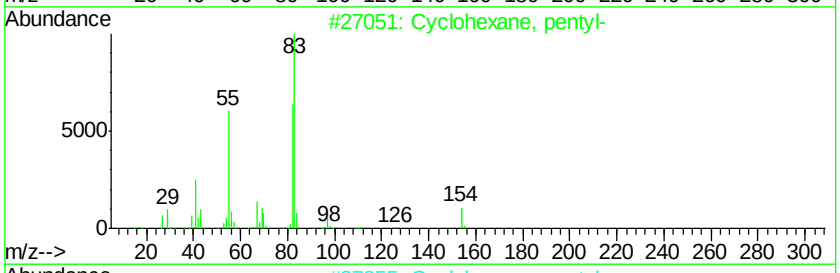
****

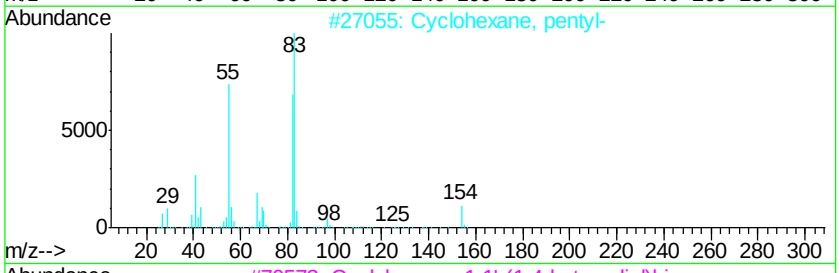
Peak Number 36 (DEL) Alkane: Cyclic14.06 Concentration Rank 16

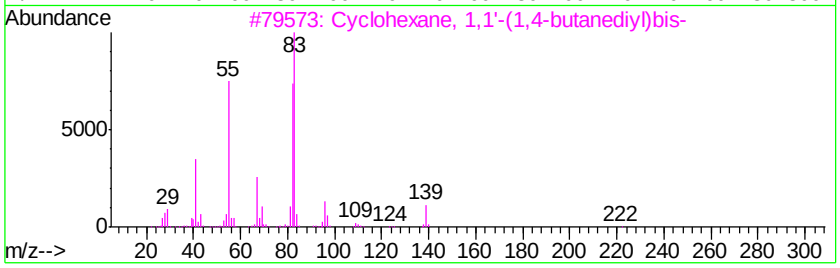
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	2.28 ug/L	467378	1,4-Dichlorobenzene-d4	13.22

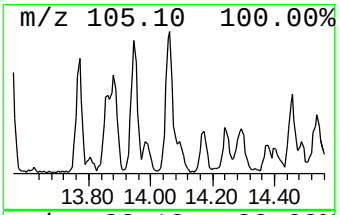
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
3	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	30
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	27
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	27

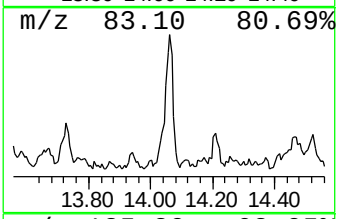


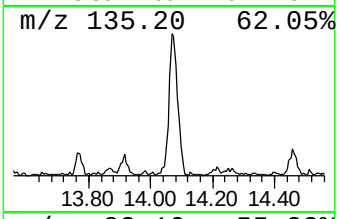


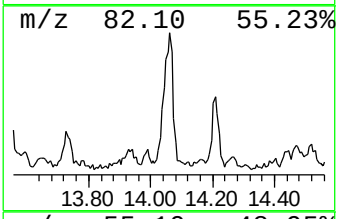


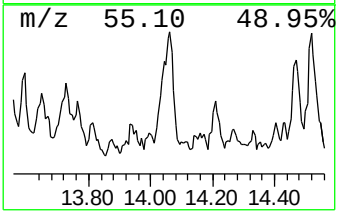












Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

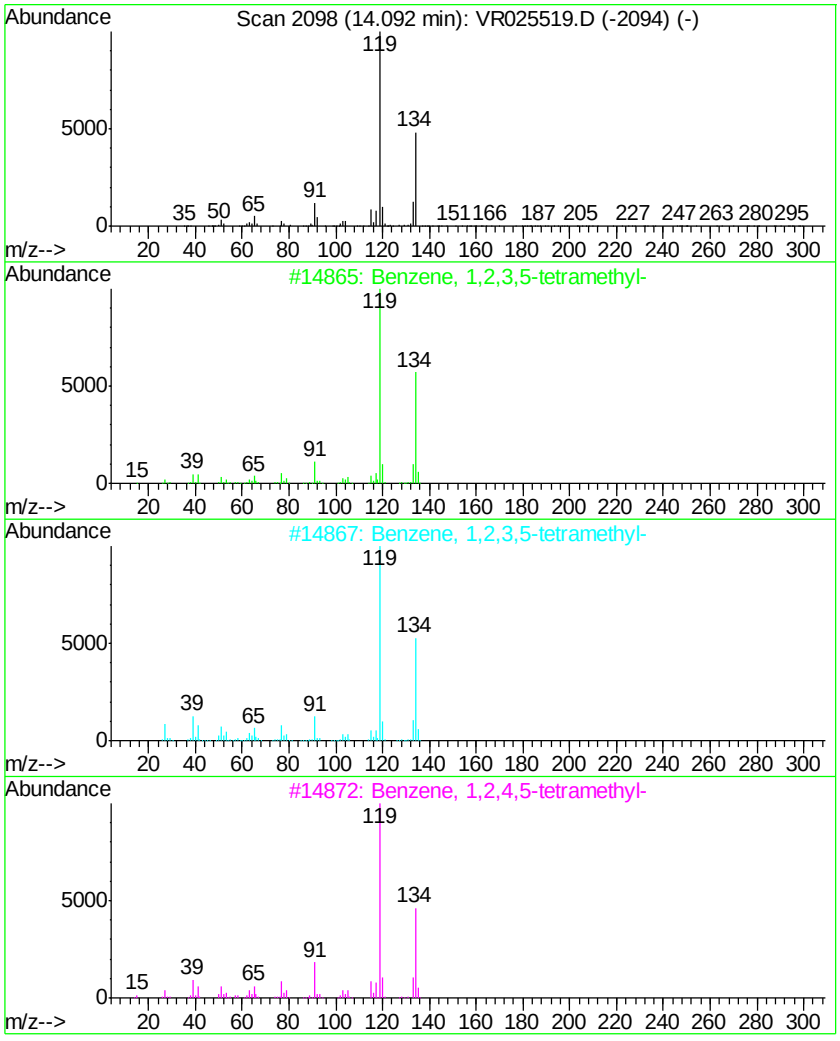
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

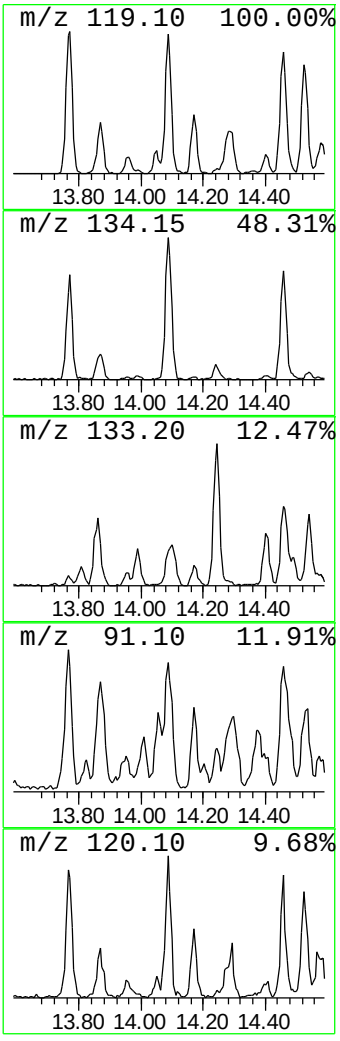
****

Peak Number 37 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	3.30 ug/L	676133	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

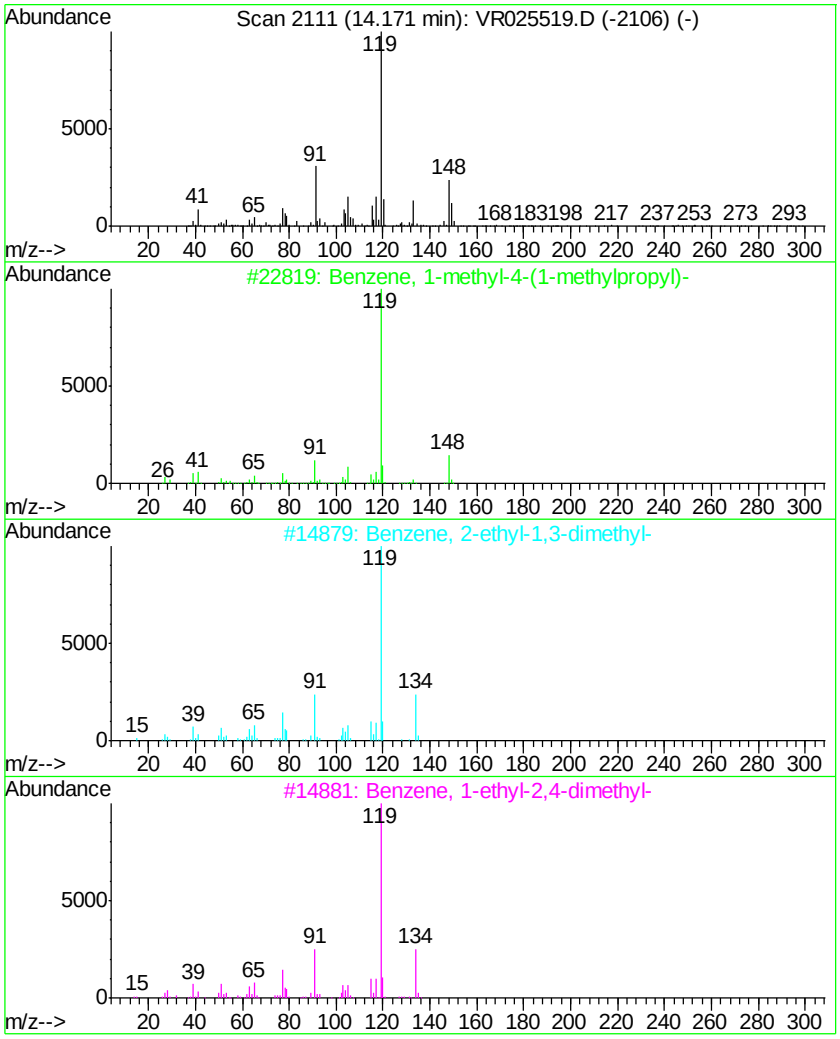
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

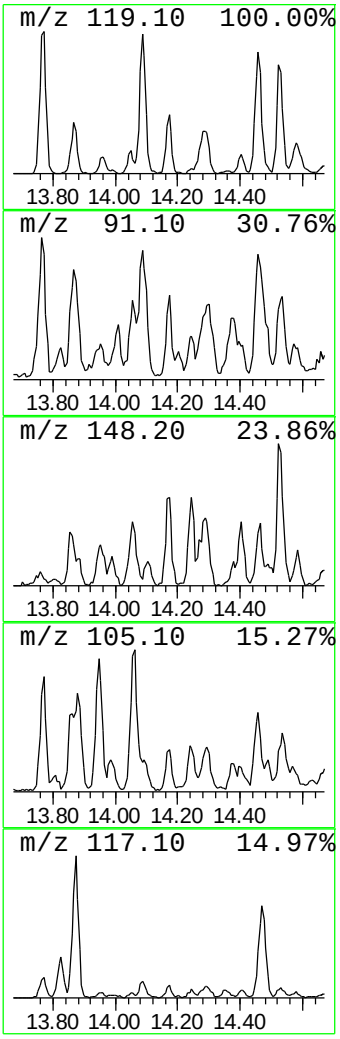
****

Peak Number 38 Benzene, 1-methyl-4-(1-meth... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	1.35 ug/L	277863	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	74
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70
5	o-Cymene	134	C10H14	000527-84-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

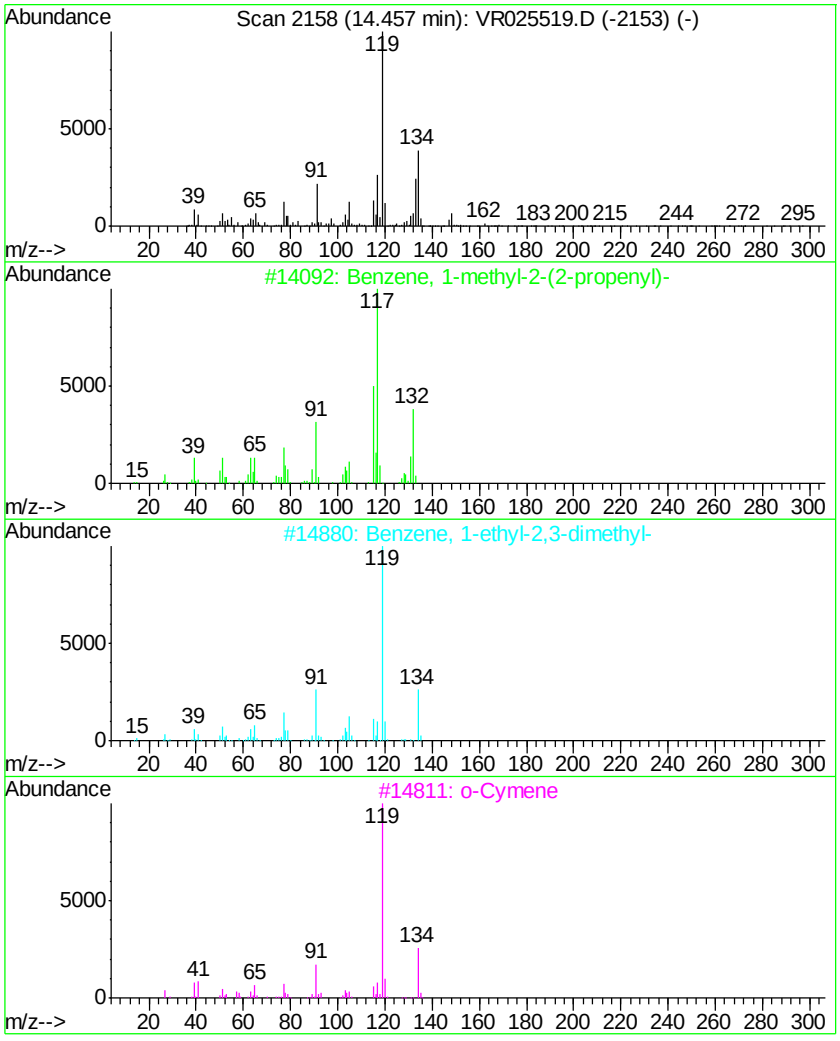
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

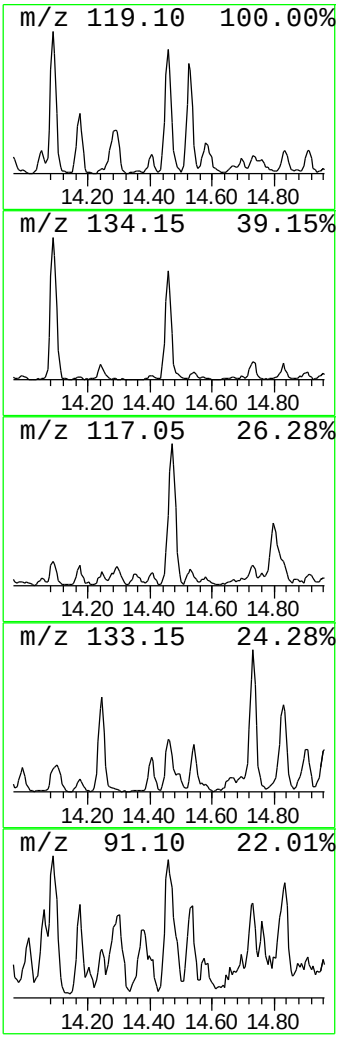
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1-methyl-2-(2-prop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	4.68 ug/L	959985	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	60
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
3	o-Cymene	134	C10H14	000527-84-4	49
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	49
5	o-Cymene	134	C10H14	000527-84-4	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

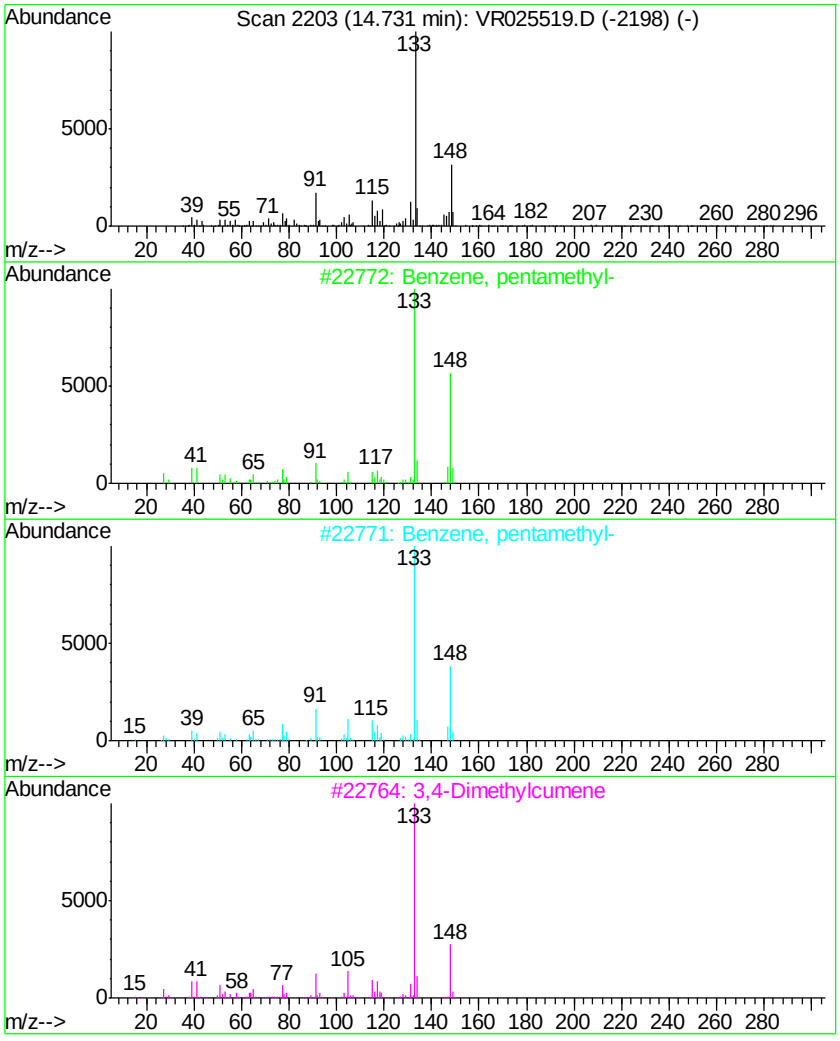
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

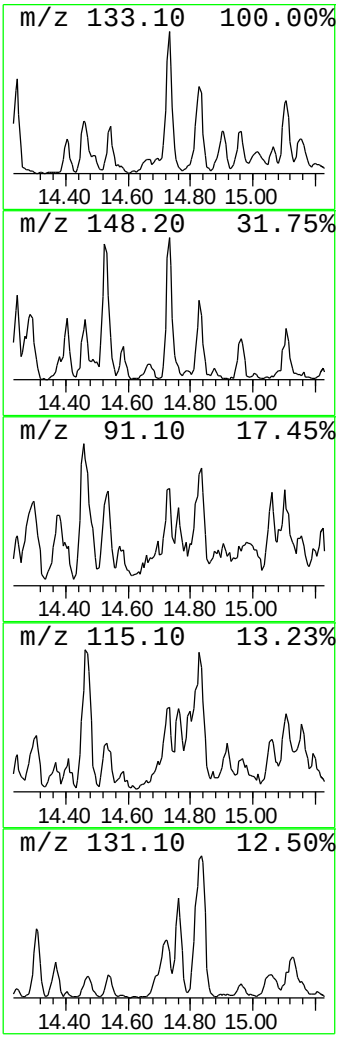
****

Peak Number 41 Benzene, pentamethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	1.52 ug/L	312588	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	87
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	83
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	74
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	72
5	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

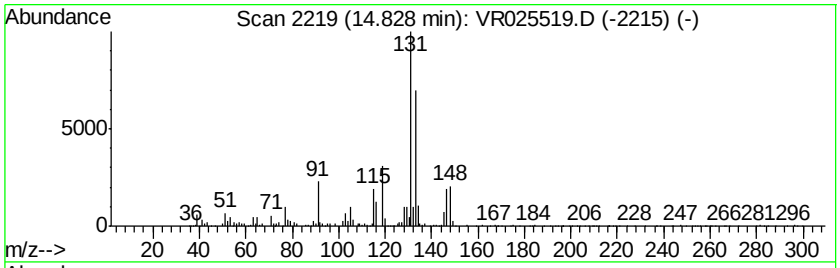
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

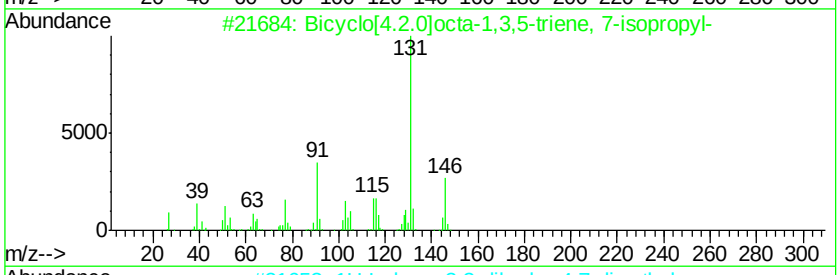
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

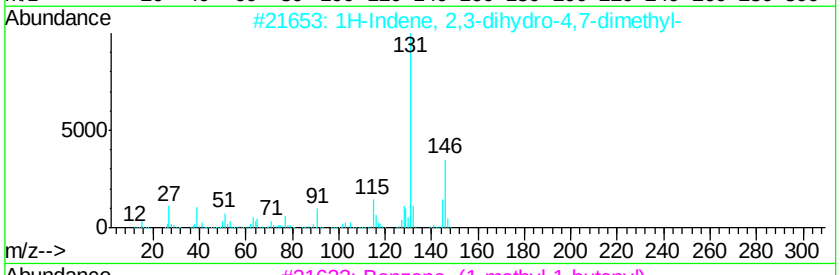
****
Peak Number 42 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 11

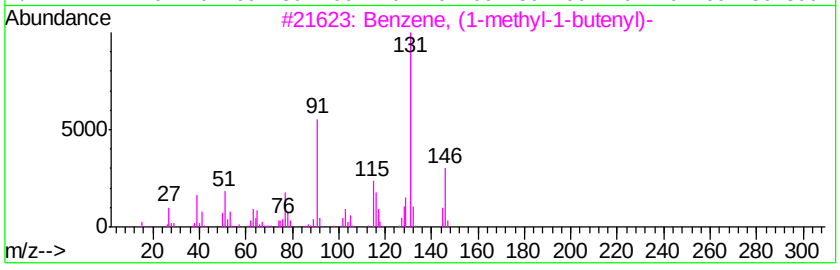
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	2.88 ug/L	591686	1,4-Dichlorobenzene-d4	13.22

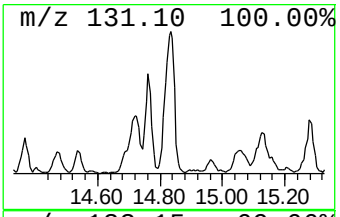
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	60
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	53
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	53

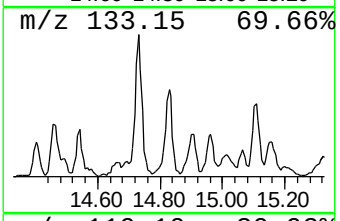


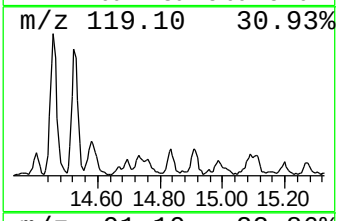


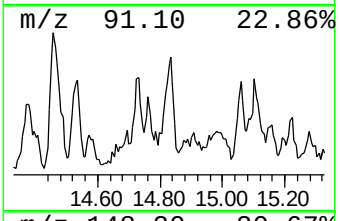


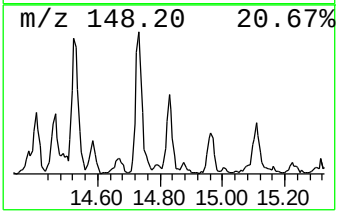












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

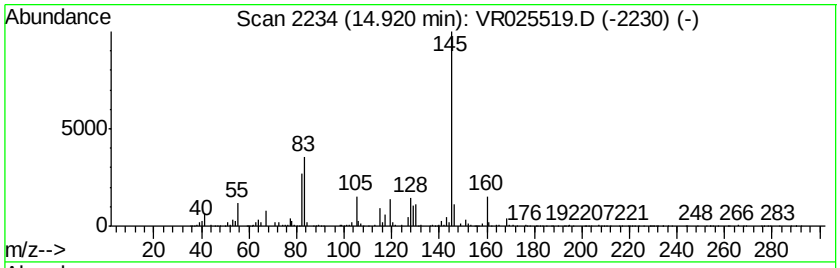
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0

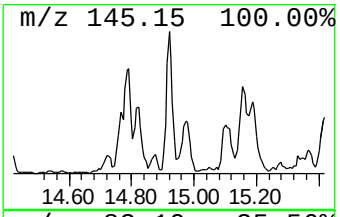
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

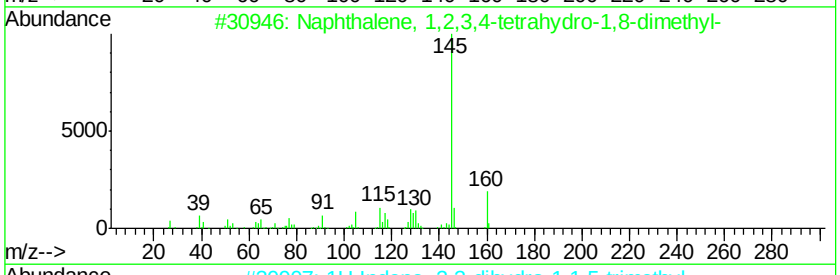
****
Peak Number 43 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 32

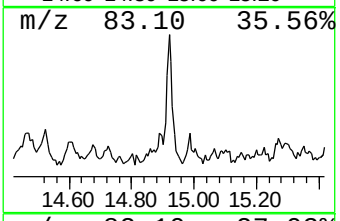
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	1.48 ug/L	303452	1,4-Dichlorobenzene-d4	13.22

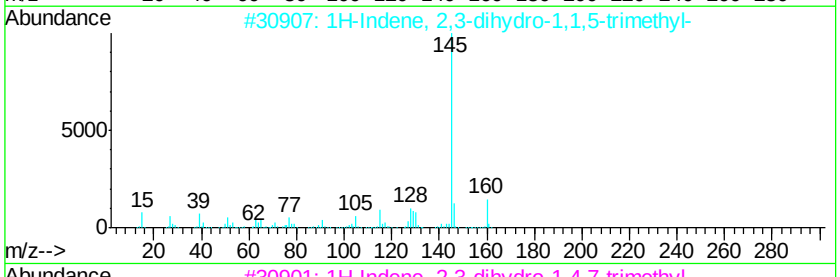
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	70
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	70
3	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	64
4	1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	64
5	1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	64

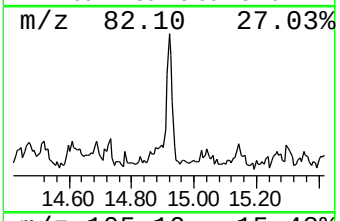


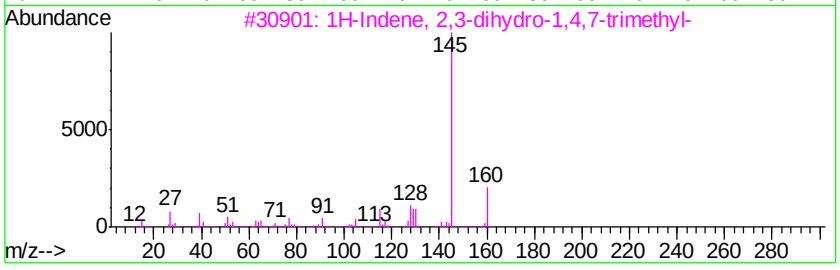


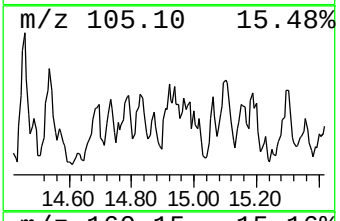


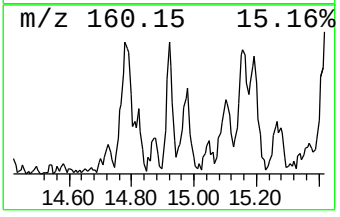












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

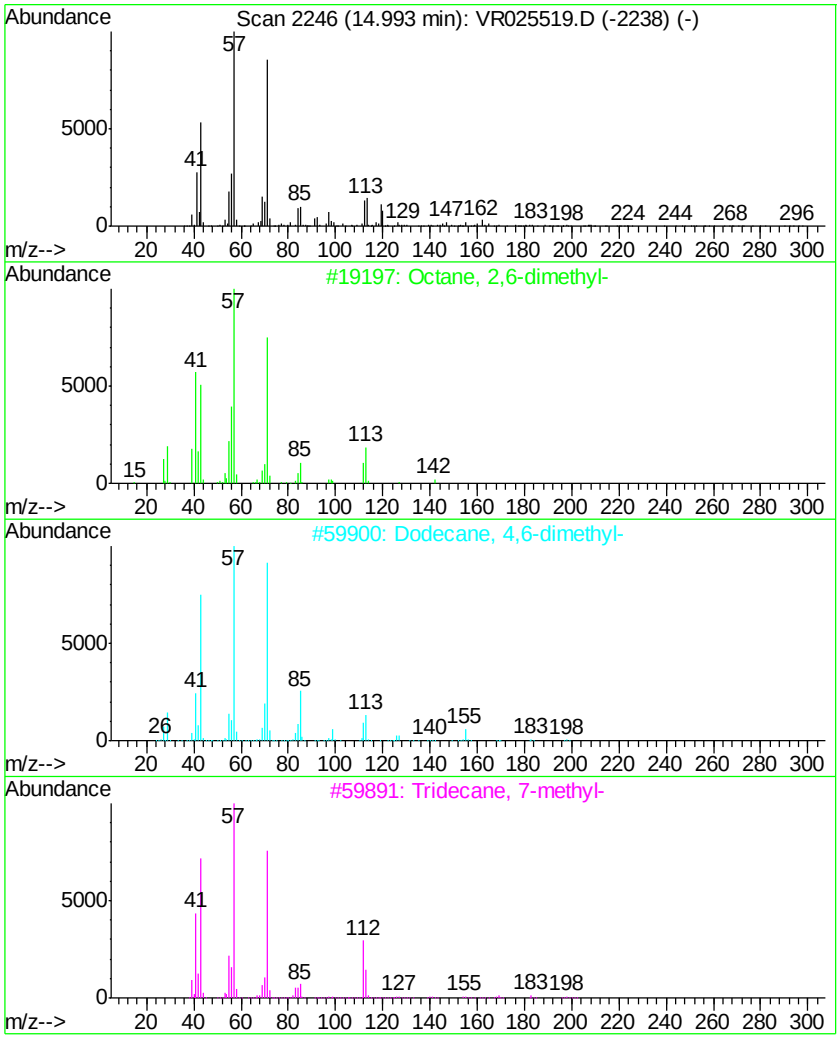
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

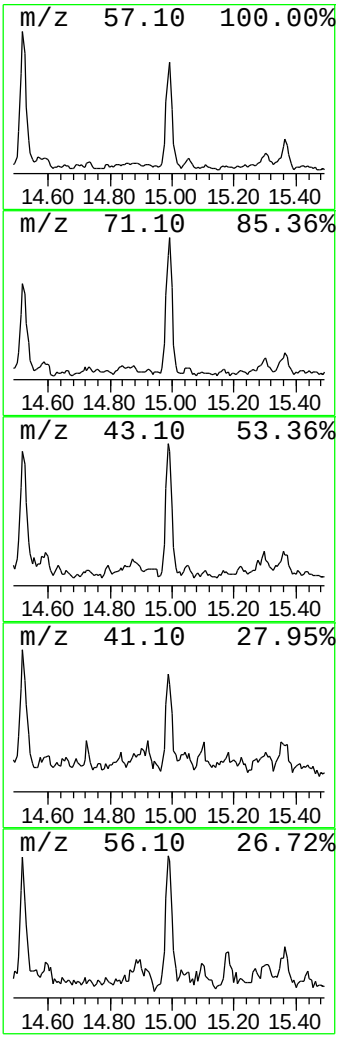
****

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	2.86 ug/L	586337	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	62
4	Sulfurous acid, 2-ethylhexyl oct...	446	C26H54O3S	1000309-20-1	59
5	Decane, 2-methyl-	156	C11H24	006975-98-0	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

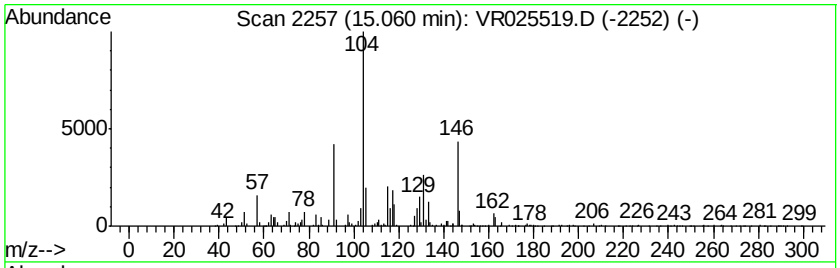
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

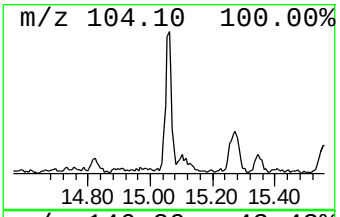
****

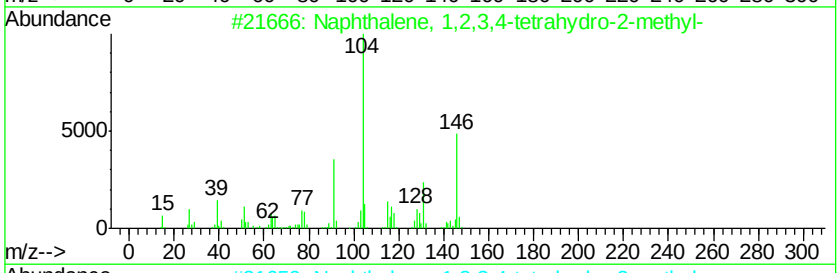
Peak Number 45 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 48

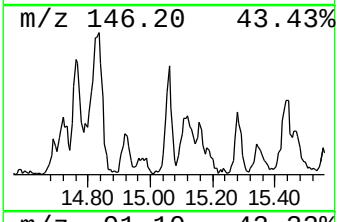
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	1.01 ug/L	207920	1,4-Dichlorobenzene-d4	13.22

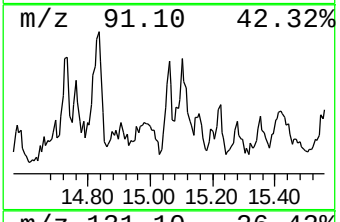
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	80
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	74
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	64
5	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	52

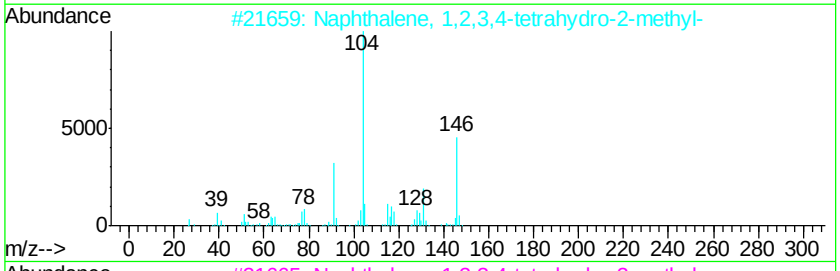


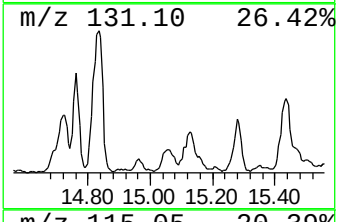


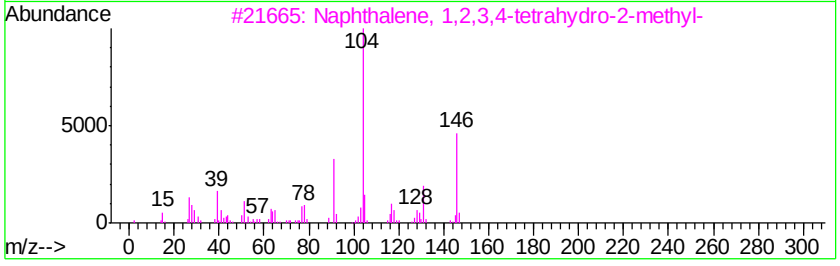


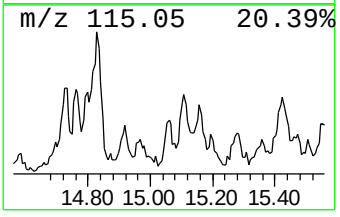












Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

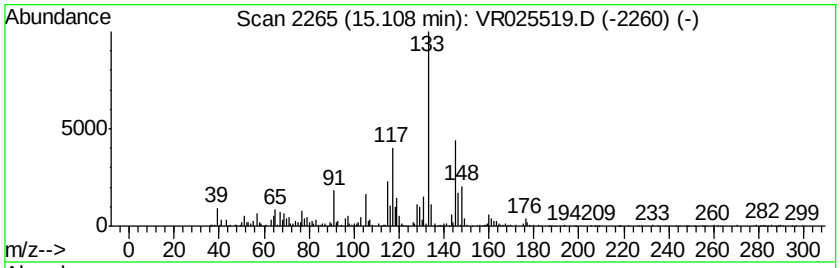
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

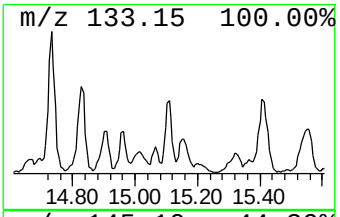
****

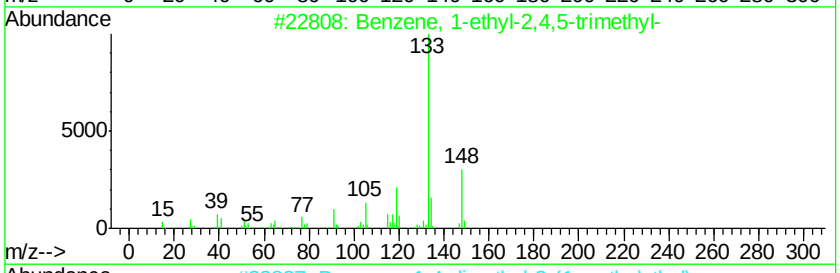
Peak Number 46 unknown-02 Concentration Rank 28

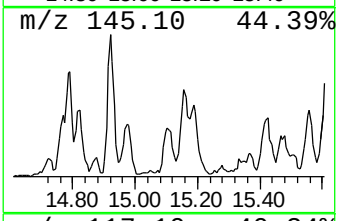
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	1.69 ug/L	347508	1,4-Dichlorobenzene-d4	13.22

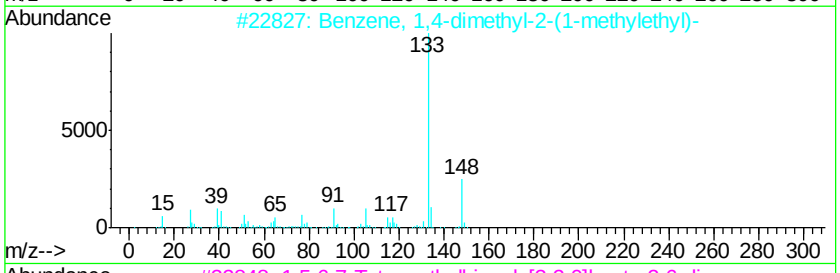
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	46
2	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	43
3	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	43
4	4-tert-Butyltoluene	148	C11H16	000098-51-1	38
5	1-Propanone, 3-cyclopentyl-1-(2,...	230	C16H22O	055191-11-2	38

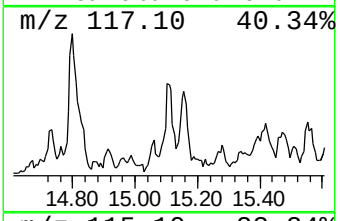


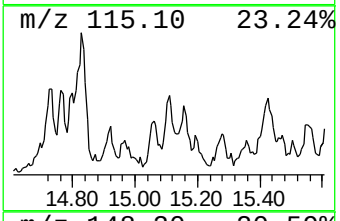


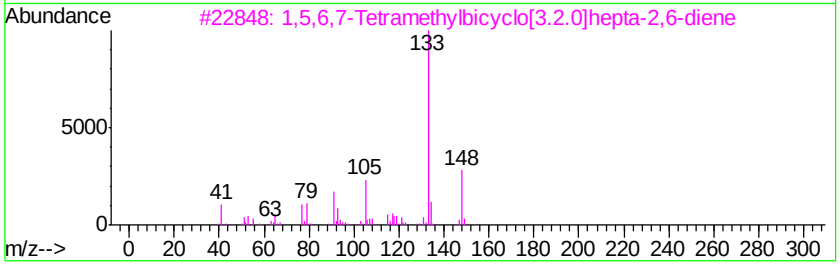


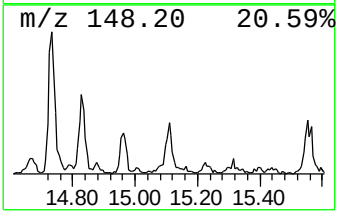












Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

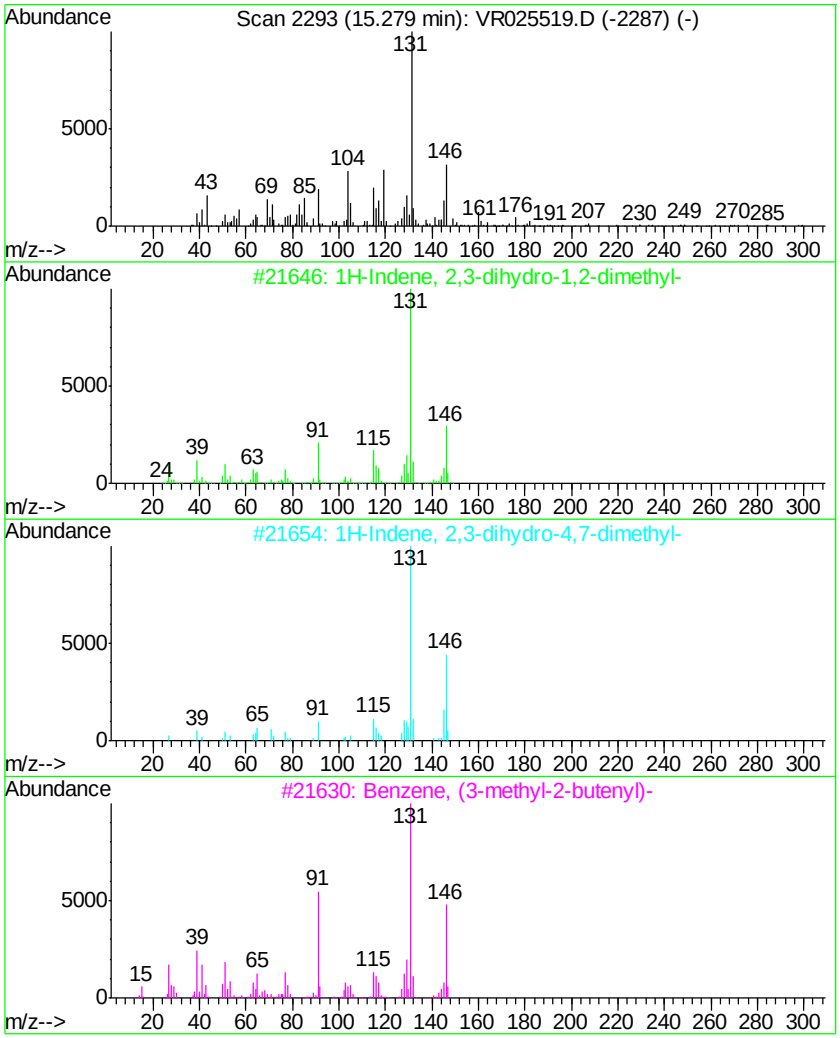
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

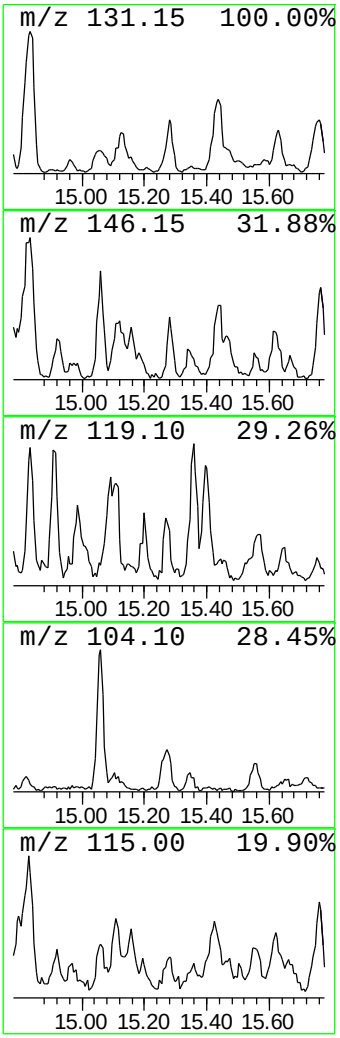
****

Peak Number 47 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	1.26 ug/L	257778	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

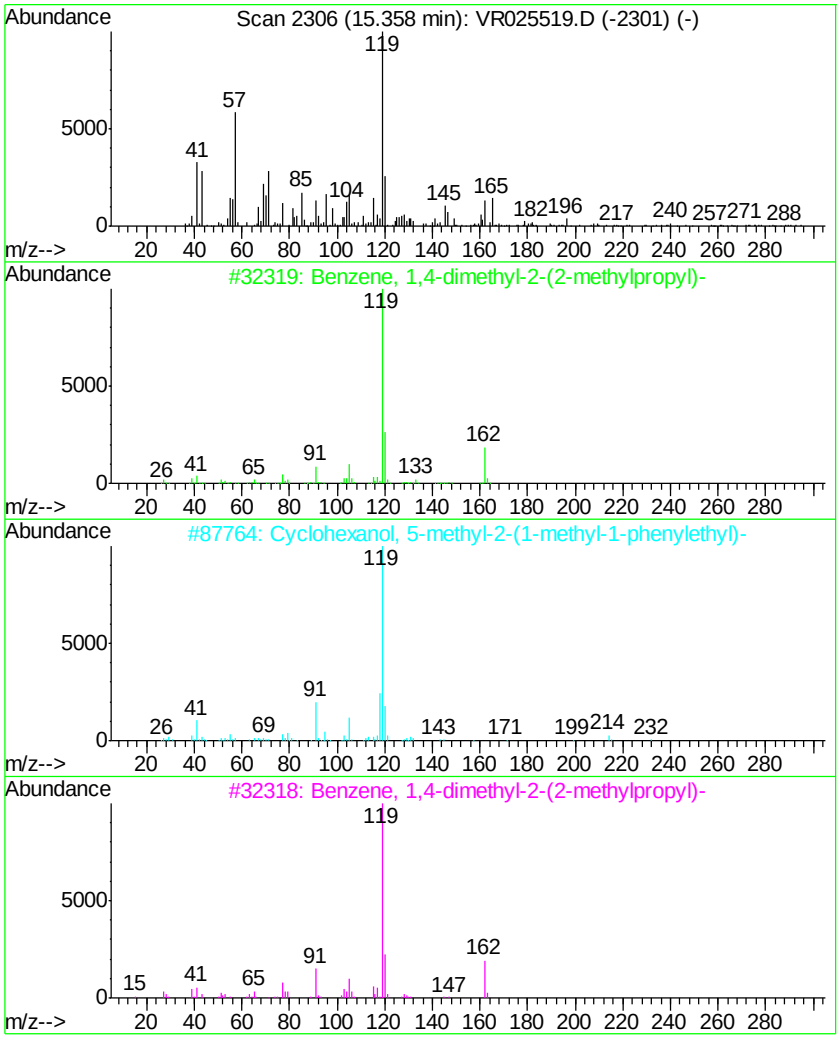
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

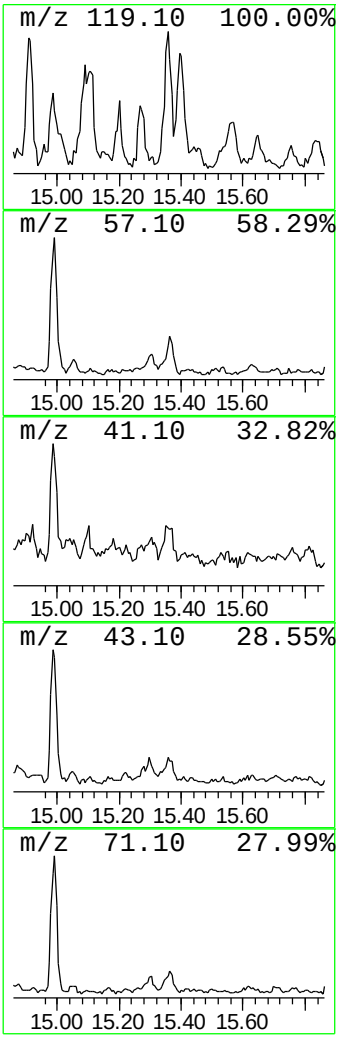
****

Peak Number 48 unknown-03 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	1.22 ug/L	250377	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	41
2	Cyclohexanol, 5-methyl-2-(1-meth...	232	C16H24O	134256-18-1	38
3	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	38
4	Benzene, 1-(3-cyclopentylpropyl)...	216	C16H24	054815-16-6	27
5	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

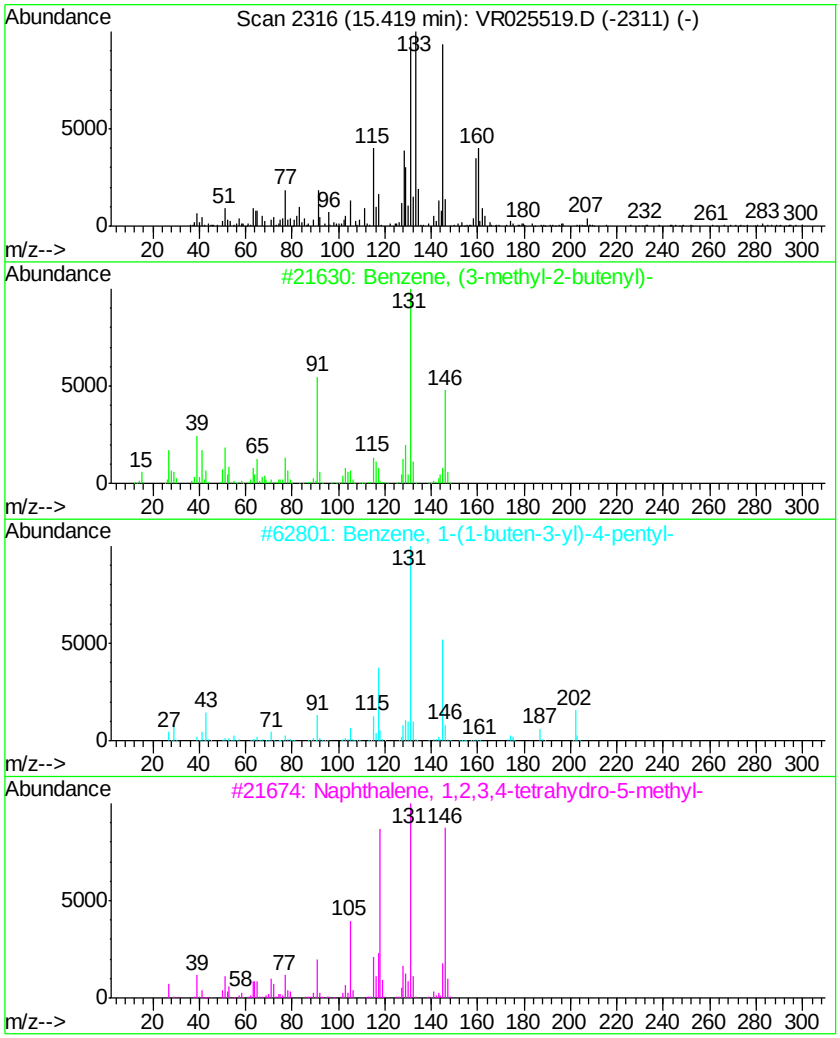
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

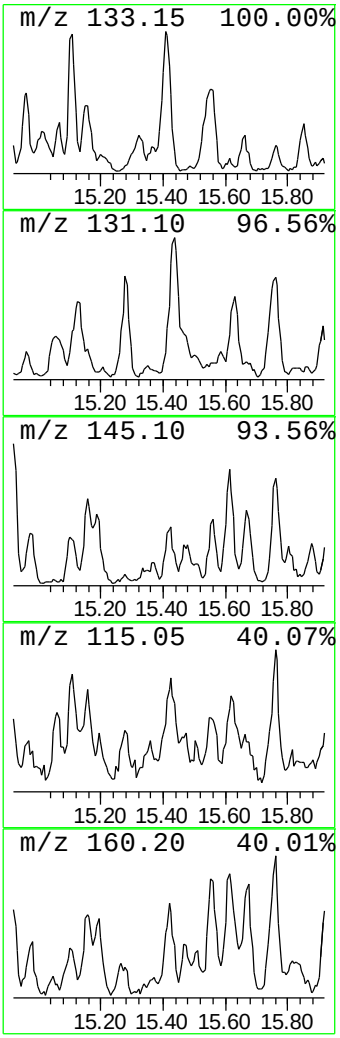
****

Peak Number 49 unknown-04 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	1.80 ug/L	370175	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	49
2	Benzene, 1-(1-buten-3-yl)-4-pentyl-	202	C15H22	1000161-70-6	47
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	46
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	43
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

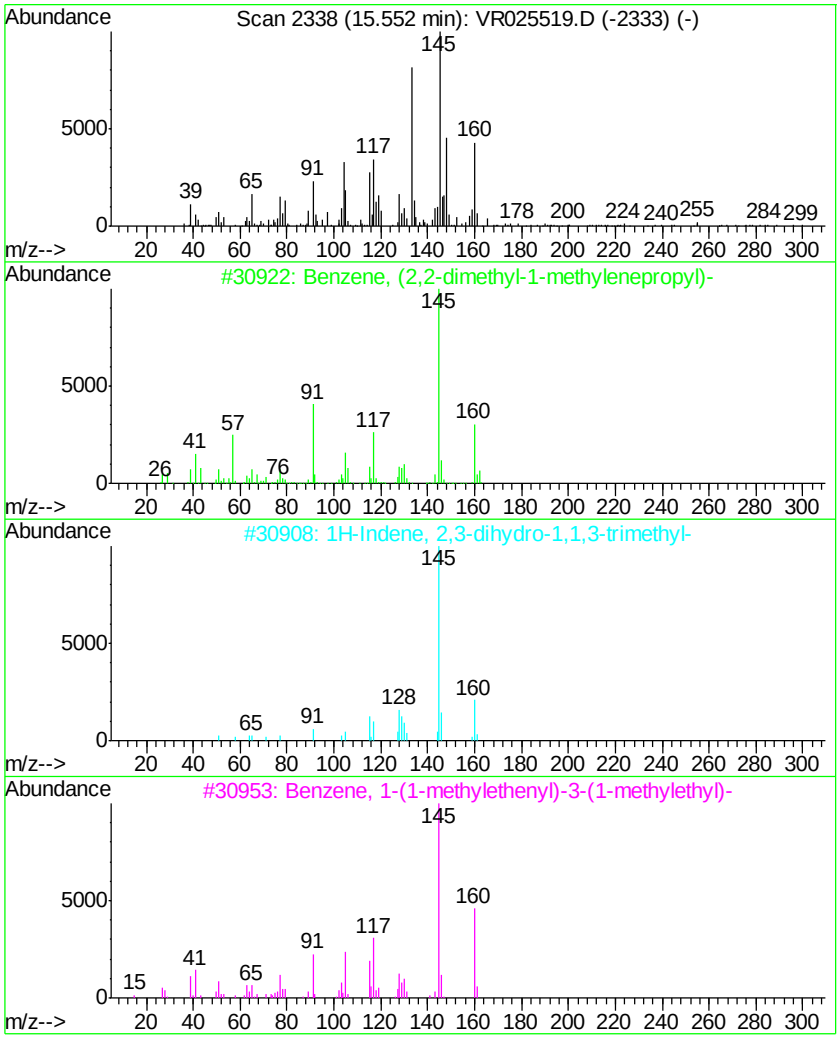
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

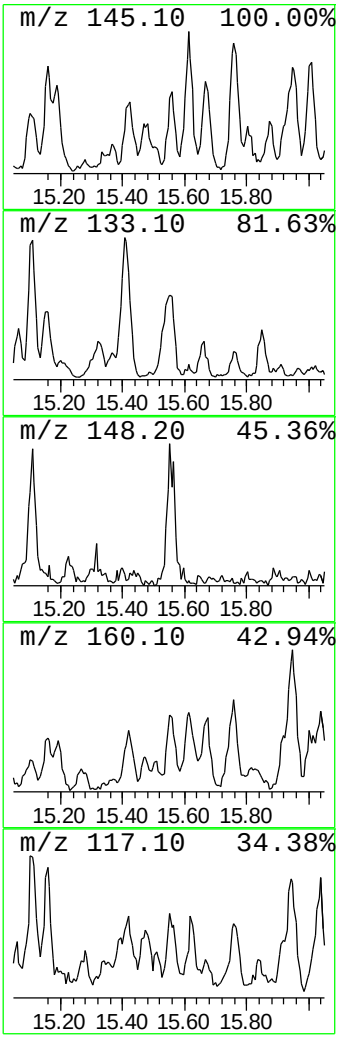
****

Peak Number 50 Benzene, (2,2-dimethyl-1-me... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	1.22 ug/L	250800	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	60
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	46
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	46
4	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	46
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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

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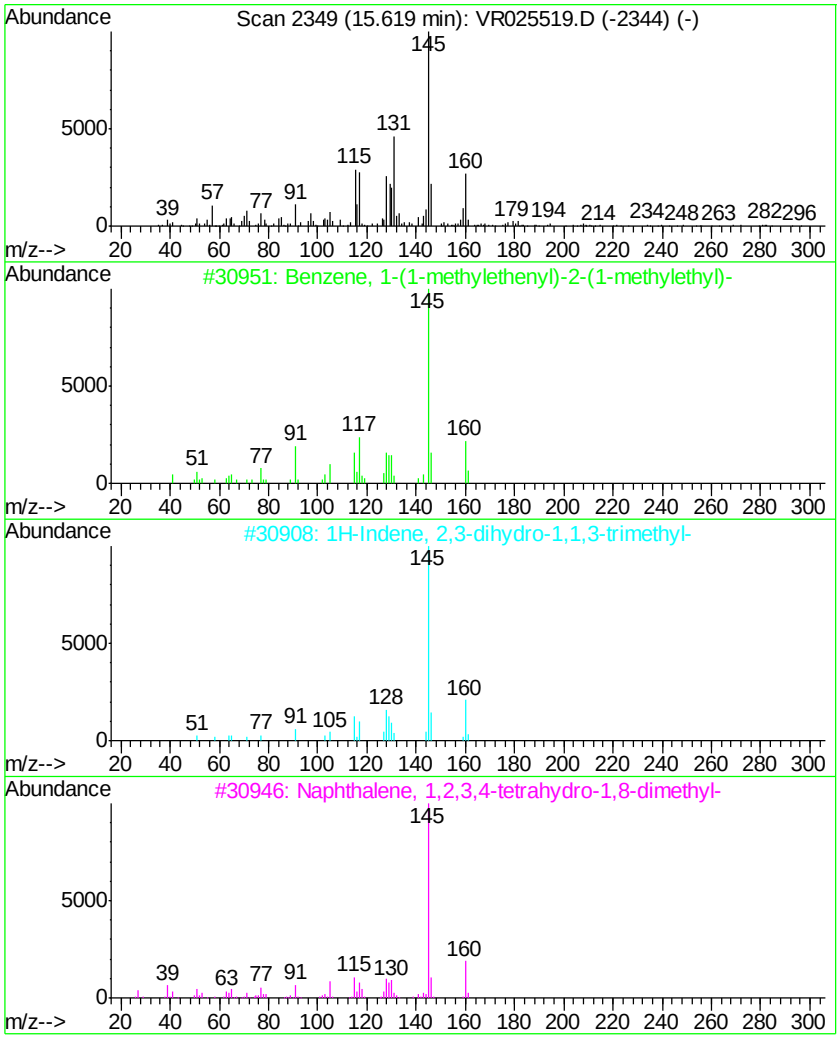
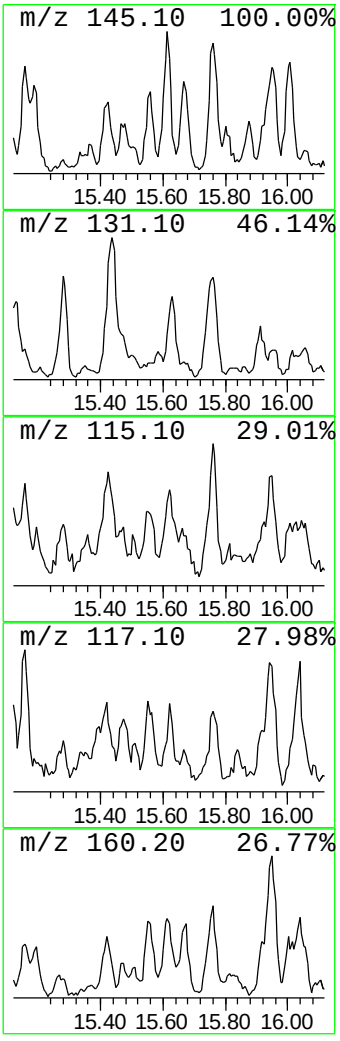
Peak Number 51 Benzene, 1-(1-methylethenyl... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	1.24 ug/L	254132	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	68
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	68
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	53
4	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	53
5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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

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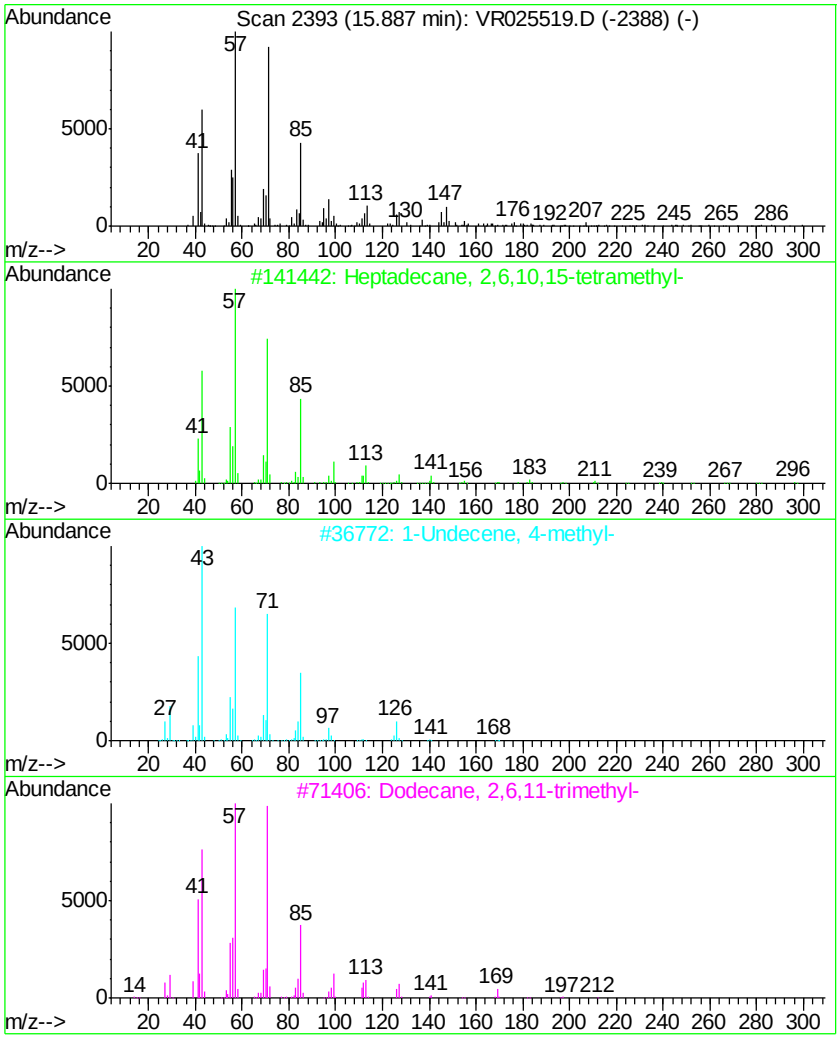
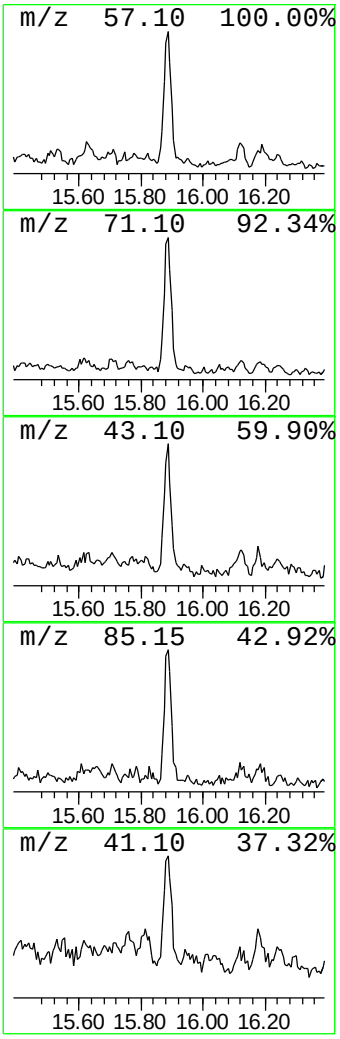
Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	1.43 ug/L	294275	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
2	1-Undecene, 4-methyl-	168	C12H24	074630-39-0	72
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	60
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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

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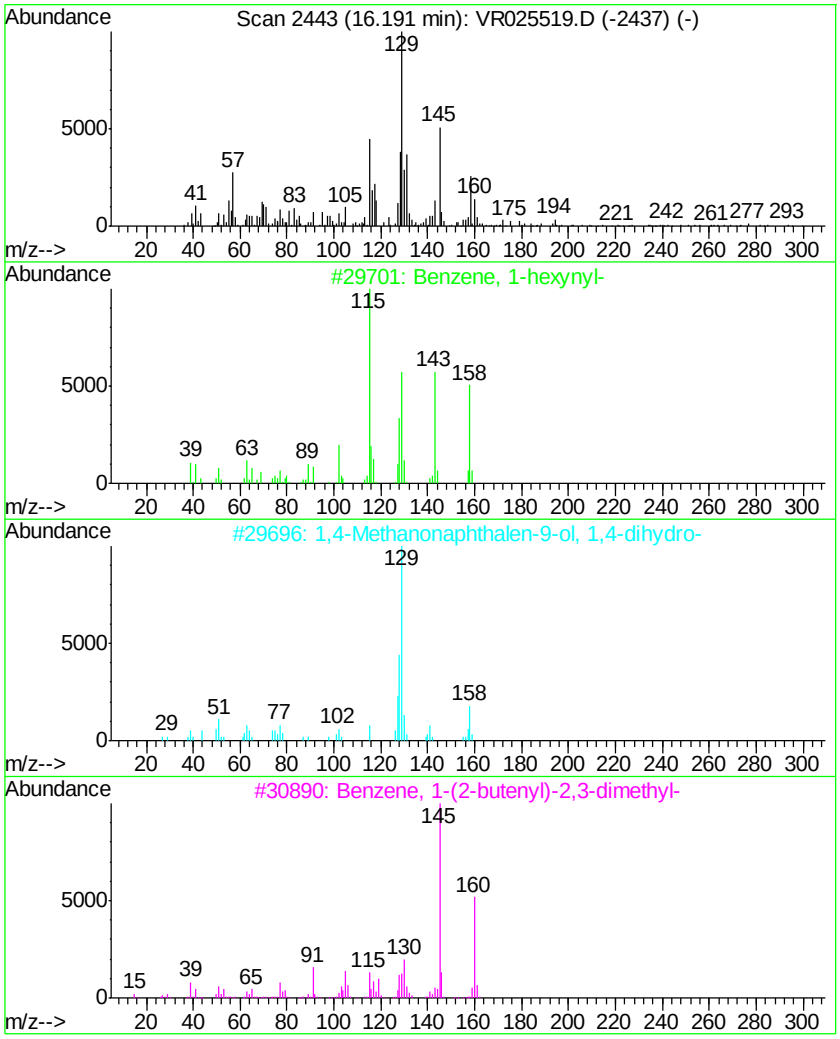
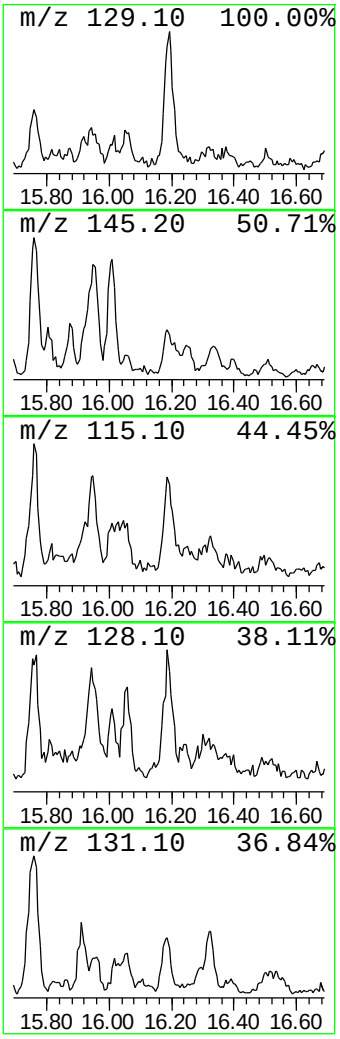
Peak Number 55 Benzene, 1-hexynyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	1.89 ug/L	387088	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-hexynyl-	158	C12H14	001129-65-3	58
2	1,4-Methanonaphthalen-9-ol, 1,4-...	158	C11H10O	004796-33-2	38
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	38
4	1,4-Ethanonaphthalene, 1,2,3,4-t...	158	C12H14	004175-52-4	38
5	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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

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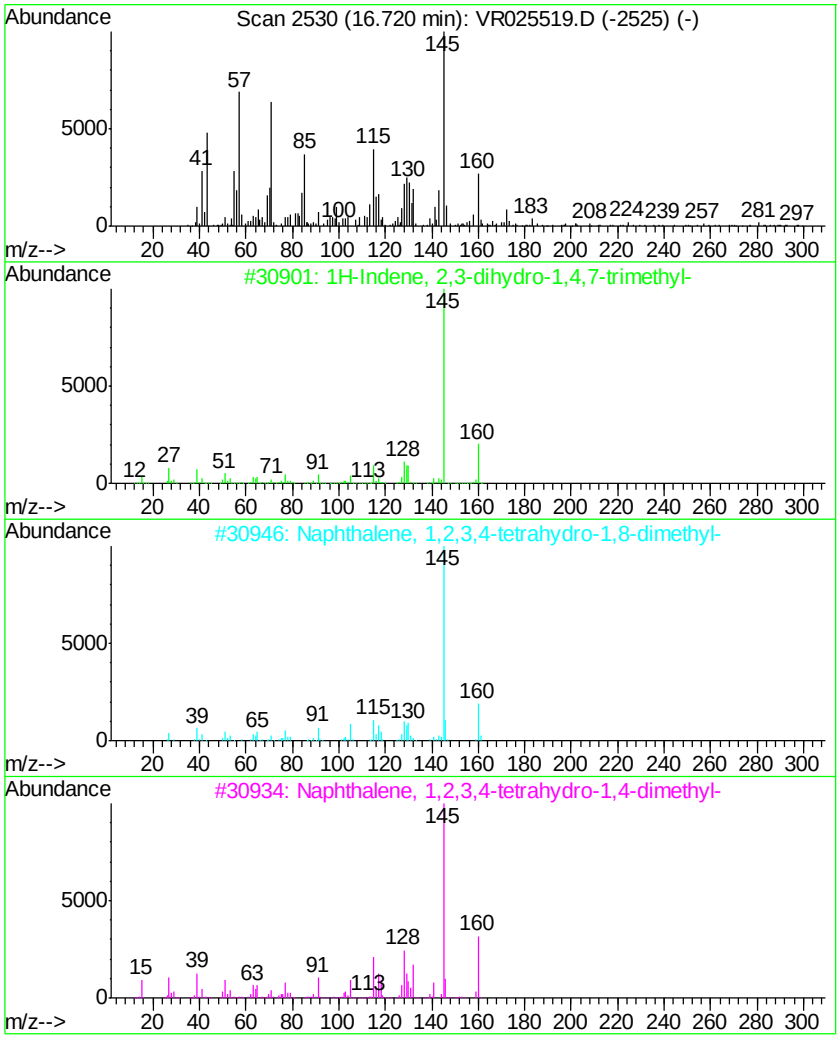
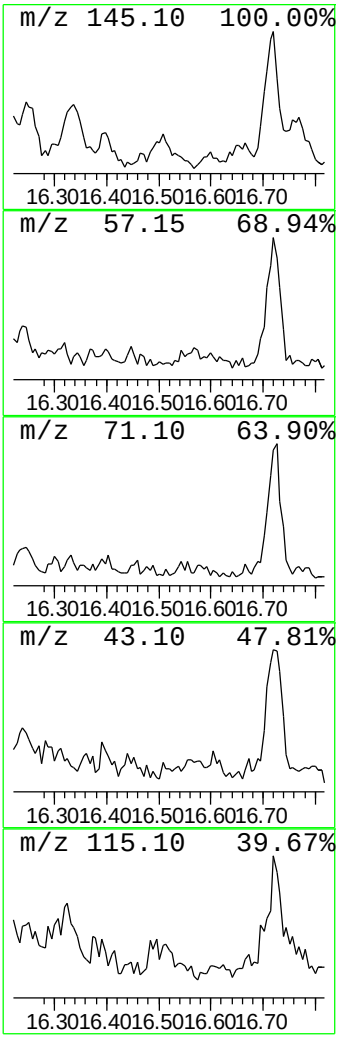
Peak Number 56 1H-Indene, 2,3-dihydro-1,4,... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	1.21 ug/L	247325	1,4-Dichlorobenzene-d4	13.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	58
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	50
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	49
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	45
5	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025519.D
Acq On : 19 Jul 2018 12:42
Operator : SY/MD
Sample : J4002-03DL 20X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : C0AG0DL

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	4.89	0.9	ug/L	243531	1	8.46	1310370	5.0
(DEL) Alkane: Cyc...	6.47	0.9	ug/L	228448	1	8.46	1310370	5.0
(DEL) Alkane: Str...	7.61	3.7	ug/L	968845	1	8.46	1310370	5.0
(DEL) Alkane: Cyc...	8.03	1.0	ug/L	253954	1	8.46	1310370	5.0
(DEL) Alkane: Str...	8.10	22.9	ug/L	5997540	1	8.46	1310370	5.0
(DEL) Alkane: Str...	9.02	4.5	ug/L	1185310	1	8.46	1310370	5.0
Acetamide, N-2-pr...	9.12	2.1	ug/L	542131	1	8.46	1310370	5.0
(DEL) Alkane: Cyc...	9.24	0.8	ug/L	206879	1	8.46	1310370	5.0
(DEL) Alkane: Str...	9.40	21.1	ug/L	5526740	1	8.46	1310370	5.0
(DEL) Alkane: Str...	9.54	26.0	ug/L	6812970	1	8.46	1310370	5.0
(DEL) Alkane: Str...	9.72	1.7	ug/L	453579	1	8.46	1310370	5.0
(DEL) Alkane: Str...	9.91	5.5	ug/L	1702380	2	11.29	1542730	5.0
(DEL) Alkane: Cyc...	10.15	1.2	ug/L	357746	2	11.29	1542730	5.0
(DEL) Alkane: Cyc...	10.31	2.3	ug/L	705737	2	11.29	1542730	5.0
(DEL) Alkane: Str...	10.43	2.3	ug/L	698773	2	11.29	1542730	5.0
(DEL) Alkane: Cyc...	10.83	1.2	ug/L	381493	2	11.29	1542730	5.0
(DEL) Alkane: Cyc...	10.89	1.4	ug/L	417123	2	11.29	1542730	5.0
(DEL) Alkane: Cyc...	11.09	0.9	ug/L	276047	2	11.29	1542730	5.0
Pentalene, octahy...	11.37	1.1	ug/L	330081	2	11.29	1542730	5.0
(DEL) Alkane: Cyc...	11.54	1.7	ug/L	521069	2	11.29	1542730	5.0
(DEL) Alkane: Cyc...	11.80	1.0	ug/L	312597	2	11.29	1542730	5.0
11-Octadecynenitrile	12.00	0.8	ug/L	247592	2	11.29	1542730	5.0
(DEL) Alkane: Str...	12.27	2.0	ug/L	416973	3	13.22	1025820	5.0
(DEL) Alkane: Cyc...	12.44	1.7	ug/L	350157	3	13.22	1025820	5.0
(DEL) Alkane: Cyc...	12.61	1.9	ug/L	380328	3	13.22	1025820	5.0
(DEL) Alkane: Str...	12.85	2.1	ug/L	433347	3	13.22	1025820	5.0
Benzene, (1-methy...	13.05	2.1	ug/L	434039	3	13.22	1025820	5.0
Benzene, 1,2-diet...	13.39	1.4	ug/L	278015	3	13.22	1025820	5.0
Indane	13.42	1.4	ug/L	289615	3	13.22	1025820	5.0
Benzene, 2-ethyl-...	13.76	2.9	ug/L	584279	3	13.22	1025820	5.0
unknown-01	13.95	1.0	ug/L	204792	3	13.22	1025820	5.0
1H-Indene, 2,3-di...	14.01	1.3	ug/L	258048	3	13.22	1025820	5.0
(DEL) Alkane: Cyc...	14.06	2.3	ug/L	467378	3	13.22	1025820	5.0
Benzene, 1,2,3,5-...	14.09	3.3	ug/L	676133	3	13.22	1025820	5.0
Benzene, 1-methyl...	14.17	1.4	ug/L	277863	3	13.22	1025820	5.0
Benzene, 1-methyl...	14.46	4.7	ug/L	959985	3	13.22	1025820	5.0
Benzene, pentamet...	14.73	1.5	ug/L	312588	3	13.22	1025820	5.0
Bicyclo[4.2.0]oct...	14.83	2.9	ug/L	591686	3	13.22	1025820	5.0
Naphthalene, 1,2,...	14.92	1.5	ug/L	303452	3	13.22	1025820	5.0
(DEL) Alkane: Str...	14.99	2.9	ug/L	586337	3	13.22	1025820	5.0
Naphthalene, 1,2,...	15.06	1.0	ug/L	207920	3	13.22	1025820	5.0
unknown-02	15.11	1.7	ug/L	347508	3	13.22	1025820	5.0
1H-Indene, 2,3-di...	15.28	1.3	ug/L	257778	3	13.22	1025820	5.0
unknown-03	15.36	1.2	ug/L	250377	3	13.22	1025820	5.0
unknown-04	15.42	1.8	ug/L	370175	3	13.22	1025820	5.0
Benzene, (2,2-dim...	15.55	1.2	ug/L	250800	3	13.22	1025820	5.0
Benzene, 1-(1-met...	15.62	1.2	ug/L	254132	3	13.22	1025820	5.0
(DEL) Alkane: Str...	15.89	1.4	ug/L	294275	3	13.22	1025820	5.0
Benzene, 1-hexynyl-	16.19	1.9	ug/L	387088	3	13.22	1025820	5.0

1H-Indene, 2,3-di...	16.72	1.2 ug/L	247325	3	13.22	1025820	5.0	

Instrument :
MSVOA_R
ClientSampleId :
C0AG0DL