LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

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_U\METHOD\SOMUTR100719WMA.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	1.299	55	65	86	rBV2	78124	106310	1.55%	0.147%
2	1.399	87	96	105	rBV2	541070	565335	8.24%	0.784%
3	1.675	174	182	195	rVB	74058	92133	1.34%	0.128%
4	1.752	195	206	227	rVB	1805650	2335912	34.06%	3.240%
5	1.939	255	264	277	rBV	147607	197471	2.88%	0.274%
6	2.293	354	374	399	rBV2	702849	1486641	21.68%	2.062%
7	2.691	477	498	519	rBV	2547384	6116358	89.18%	8.484%
8	2.772	520	523	532	rVB2	80718	109965	1.60%	0.153%
9	2.974	569	586	612	rBV	3302315	6858232	100.00%	9.513%
10	3.627	773	789	808	rVB4	57346	139205	2.03%	0.193%
11	3.823	829	850	867	rBV3	122597	424825	6.19%	0.589%
12	3.965	871	894	913	rVV	600263	1826252	26.63%	2.533%
13	4.061	914	924	937	rVV2	34689	93417	1.36%	0.130%
14	4.167	937	957	1017	rVB7	193553	867201	12.64%	1.203%
15	4.624	1088	1099	1110	rBV	80601	173456	2.53%	0.241%
16	4.704	1110	1124	1159	rVB	321618	905183	13.20%	1.256%
17	4.884	1159	1180	1193	rBV2	76180	191168	2.79%	0.265%
18	4.968	1194	1206	1217	rBV3	61716	133979	1.95%	0.186%
19	5.055	1217	1233	1261	rVB	1018694	2503657	36.51%	3.473%
20	5.202	1262	1279	1280	rBV3	68365	128717	1.88%	0.179%
21	5.315	1298	1314	1323	rBV3	181214	455489	6.64%	0.632%
22	5.379	1324	1334	1345	rVV3	149001	423128	6.17%	0.587%
23	5.456	1345	1358	1365	rVV2	885361	1932617	28.18%	2.681%
24	5.518	1366	1377	1390	rVV4	1577396	4202976	61.28%	5.830%
25	5.588	1391	1399	1428	rVB5	456080	1135920	16.56%	1.576%
26	5.865	1472	1485	1495	rBV	214772	432283	6.30%	0.600%
27	5.929	1495	1505	1522	rVV4	137517	373523	5.45%	0.518%
28	6.032	1522	1537	1552	rVV3	196852	452419	6.60%	0.628%
29	6.190	1575	1586	1613	rVB3	610770	1321144	19.26%	1.832%
30	6.308	1613	1623	1631	rBV	124971	232345	3.39%	0.322%
31	6.366	1631	1641	1657	rVB2	449855	966973	14.10%	1.341%
32	6.453	1657	1668	1677	rBV2	313743	596602	8.70%	0.828%
33	6.511	1677	1686	1697	rVB2	369563	652817	9.52%	0.905%
34	6.620	1712	1720	1730	rBV5	53793	113824	1.66%	0.158%

LSC Area Percent Report

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Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

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_U\METHOD\SOMUTR100719WMA.M
Title : TRACE VOA SOM01.0

35	6.710	1734	1748	1760	rVB6	201744	559625	8.16%	0.776%
36	6.784	1760	1771	1774	rBV2	96389	162711	2.37%	0.226%
37	6.903	1792	1808	1824	rVB2	552648	1332221	19.43%	1.848%
38	7.025	1827	1846	1858	rBV	1019207	2230941	32.53%	3.094%
39	7.083	1858	1864	1873	rVB4	136239	222479	3.24%	0.309%
40	7.199	1888	1900	1907	rBV5	285240	581208	8.47%	0.806%
41	7.279	1919	1925	1940	rVB3	139754	237780	3.47%	0.330%
42	7.353	1941	1948	1963	rBV4	86063	198105	2.89%	0.275%
43	7.540	1982	2006	2020	rBV8	455721	1638489	23.89%	2.273%
44	7.624	2024	2032	2040	rVB3	71928	118998	1.74%	0.165%
45	7.681	2040	2050	2055	rBV4	123426	226971	3.31%	0.315%
46	7.781	2071	2081	2087	rBV3	105017	219028	3.19%	0.304%
47	7.932	2121	2128	2138	rVB	231704	389404	5.68%	0.540%
48	8.025	2138	2157	2163	rBV	239478	490260	7.15%	0.680%
49	8.074	2163	2172	2202	rVB	601891	1218685	17.77%	1.690%
50	8.299	2233	2242	2255	rBV	307466	655605	9.56%	0.909%
51	8.366	2256	2263	2270	rVV4	98628	154766	2.26%	0.215%
52	8.585	2325	2331	2337	rBV2	62436	91959	1.34%	0.128%
53	8.623	2338	2343	2362	rVB8	140978	335011	4.88%	0.465%
54	8.739	2363	2379	2392	rBV5	208797	469625	6.85%	0.651%
55	8.855	2410	2415	2423	rVB3	93609	128251	1.87%	0.178%
56	9.013	2448	2464	2473	rBV9	102072	266091	3.88%	0.369%
57	9.070	2473	2482	2491	rBV	349820	555967	8.11%	0.771%
58	9.167	2504	2512	2516	rBV5	68288	114229	1.67%	0.158%
59	9.350	2555	2569	2586	rVB5	124757	416316	6.07%	0.577%
60	9.694	2670	2676	2696	rVB5	74859	174533	2.54%	0.242%
61	9.935	2730	2751	2754	rBV9	67810	163172	2.38%	0.226%
62	10.144	2807	2816	2831	rBV	228238	391979	5.72%	0.544%
63	10.350	2870	2880	2890	rBV8	41845	106036	1.55%	0.147%
64	10.411	2893	2899	2912	rVB	115266	193858	2.83%	0.269%
65	10.566	2938	2947	2971	rVB	463853	800581	11.67%	1.110%
66	11.270	3154	3166	3170	rBV3	60162	107196	1.56%	0.149%
67	11.305	3171	3177	3192	rVB	94827	160113	2.33%	0.222%
68	11.463	3217	3226	3249	rVB	313757	575659	8.39%	0.798%
69	11.668	3279	3290	3304	rVB	159394	261963	3.82%	0.363%
70	11.758	3305	3318	3333	rVV	3168997	4771368	69.57%	6.618%
71	11.842	3333	3344	3370	rVV2	1938714	3083212	44.96%	4.277%

LSC Area Percent Report

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Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Title : TRACE VOA SOM01.0

72	11.958	3370	3380	3393	rVV	236769	366939	5.35%	0.509%
73	12.228	3442	3464	3470	rBV2	177143	341526	4.98%	0.474%
74	12.266	3471	3476	3486	rVB3	73850	115729	1.69%	0.161%
75	12.331	3486	3496	3504	rBV3	578776	1077156	15.71%	1.494%
76	12.411	3516	3521	3529	rVB	146034	197240	2.88%	0.274%
77	12.514	3543	3553	3568	rVB	311364	507200	7.40%	0.704%
78	12.598	3569	3579	3582	rBV	128558	176265	2.57%	0.244%
79	12.627	3583	3588	3604	rVB2	194203	296739	4.33%	0.412%
80	12.765	3619	3631	3650	rVB2	760352	1180785	17.22%	1.638%
81	12.881	3652	3667	3681	rBV4	355062	647914	9.45%	0.899%
82	12.974	3682	3696	3706	rVB	252709	424611	6.19%	0.589%
83	13.038	3707	3716	3724	rBV3	97983	159108	2.32%	0.221%
84	13.102	3727	3736	3739	rBV	145558	209767	3.06%	0.291%
85	13.173	3751	3758	3766	rVB5	64858	103447	1.51%	0.143%
86	13.234	3766	3777	3784	rVV5	131525	251295	3.66%	0.349%
87	13.276	3784	3790	3810	rVB2	121761	230784	3.37%	0.320%
88	13.430	3815	3838	3847	rBV6	114364	294387	4.29%	0.408%
89	13.485	3847	3855	3861	rBV2	145163	202461	2.95%	0.281%
90	13.527	3861	3868	3871	rVV	163961	219902	3.21%	0.305%
91	13.553	3872	3876	3882	rVV	230862	333733	4.87%	0.463%
92	13.585	3882	3886	3910	rVB2	208840	350898	5.12%	0.487%
93	13.710	3910	3925	3933	rBV4	41101	106259	1.55%	0.147%
94	13.929	3976	3993	4005	rBV3	347327	615932	8.98%	0.854%
95	13.993	4005	4013	4022	rVB2	86382	145890	2.13%	0.202%
96	14.234	4065	4088	4100	rBV4	37575	124877	1.82%	0.173%
97	14.315	4101	4113	4122	rBV5	122633	253051	3.69%	0.351%
98	14.366	4122	4129	4139	rVB3	50718	99767	1.45%	0.138%
99	14.450	4145	4155	4166	rBV	403685	609759	8.89%	0.846%
100	14.514	4168	4175	4189	rVB3	49164	100836	1.47%	0.140%

Sum of corrected areas: 72096129

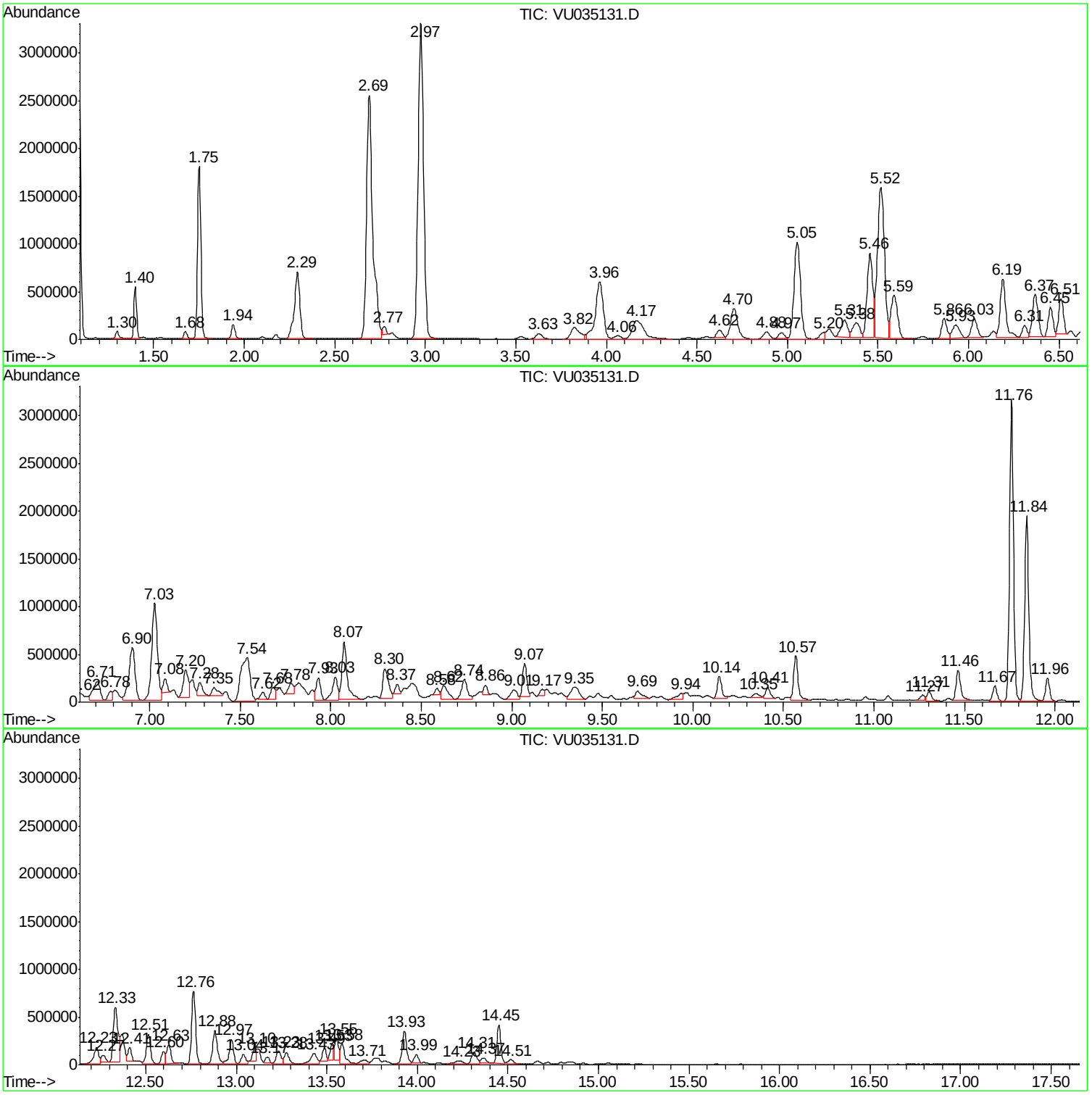
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
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Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

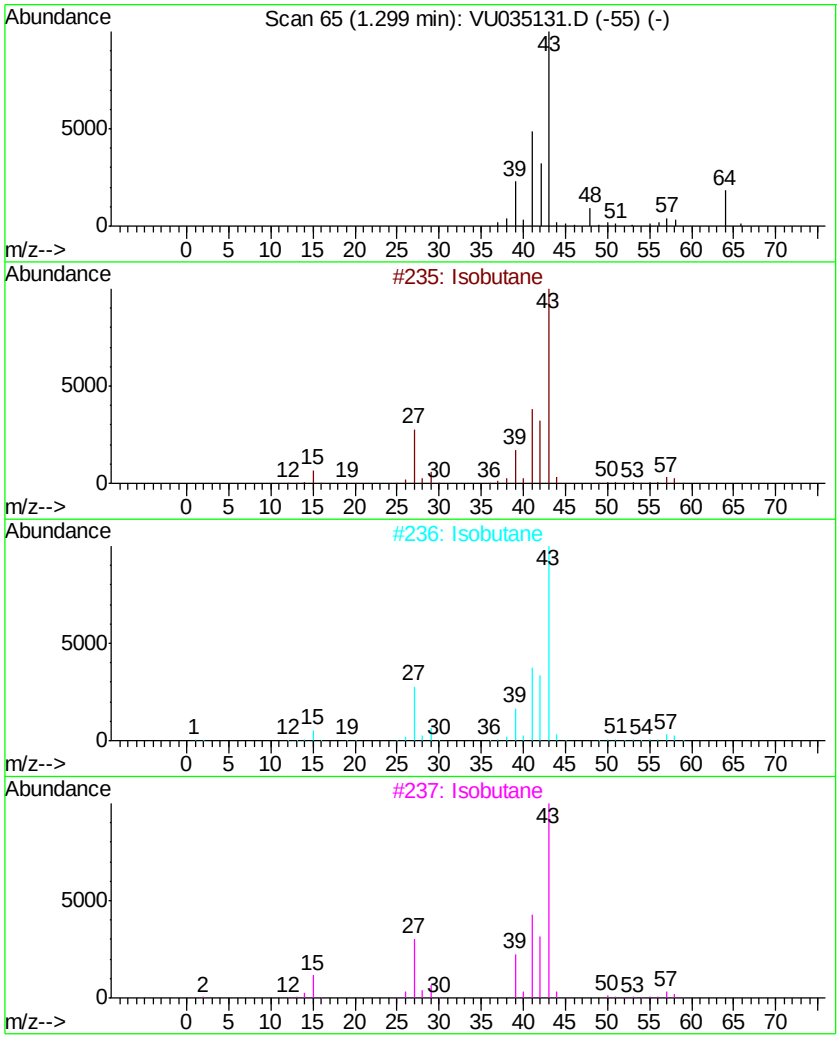
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

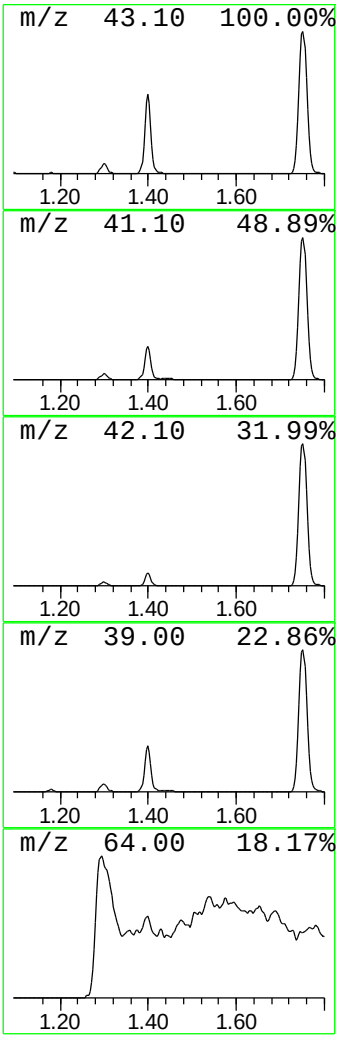
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	1.23 ug/L	106310	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	47
2	Isobutane	58	C4H10	000075-28-5	47
3	Isobutane	58	C4H10	000075-28-5	38
4	Isobutane	58	C4H10	000075-28-5	37
5	Isobutyl nitrite	103	C4H9NO2	000542-56-3	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

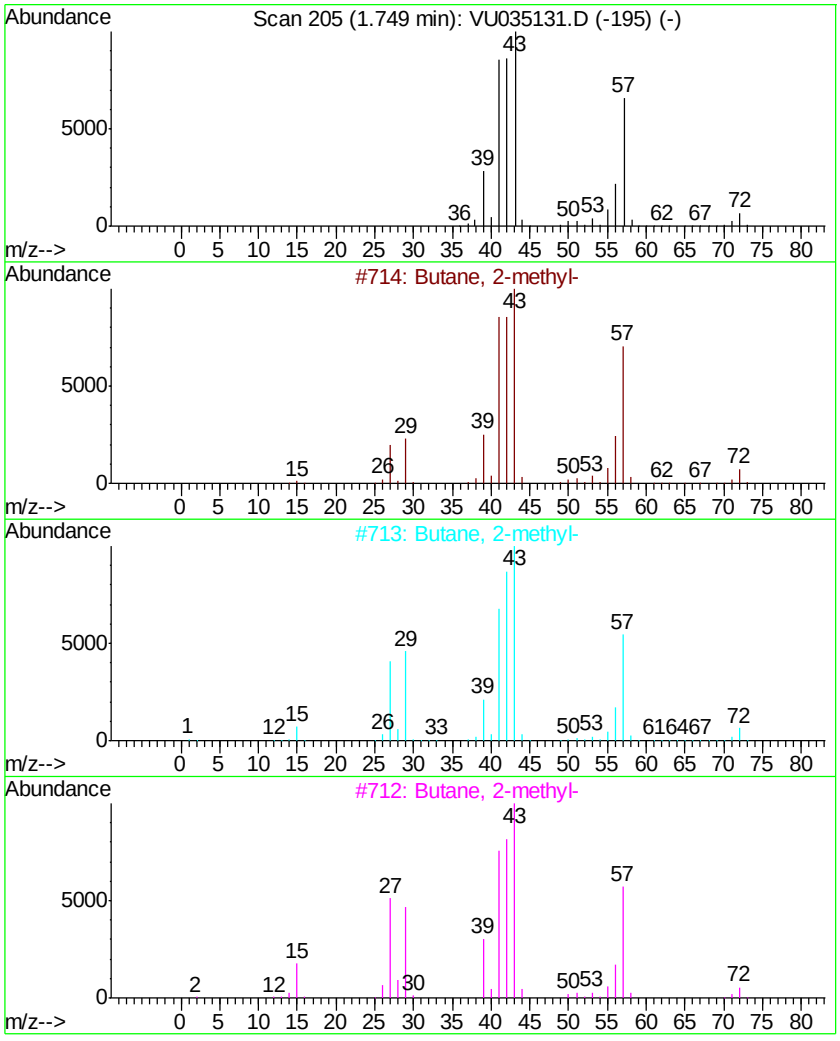
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

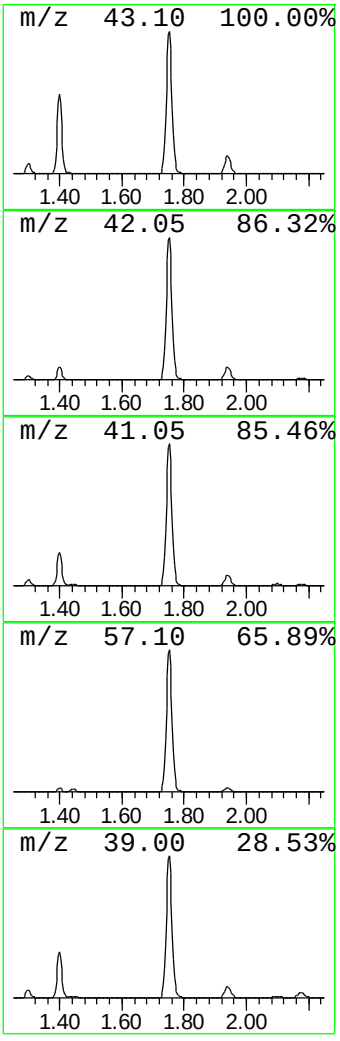
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	27.02 ug/L	2335910	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	Pentane	72	C5H12	000109-66-0	36
5	3-Buten-1-ol	72	C4H8O	000627-27-0	28





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Sample : K5310-13
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ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

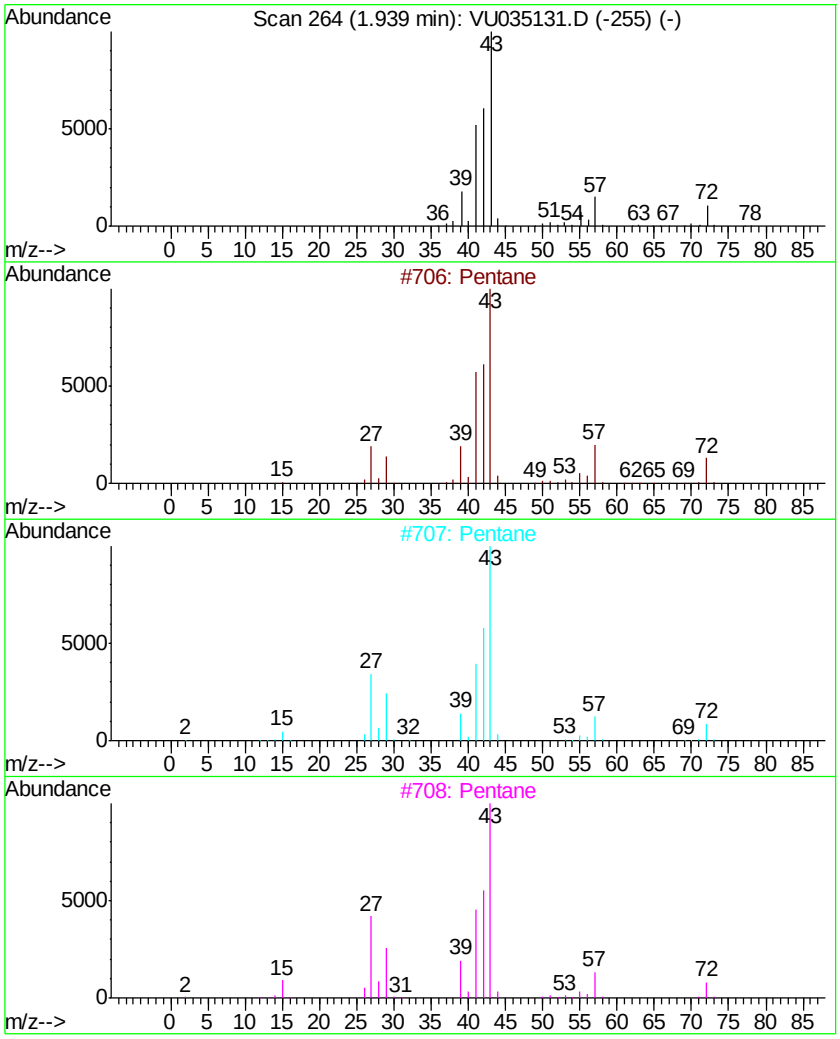
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

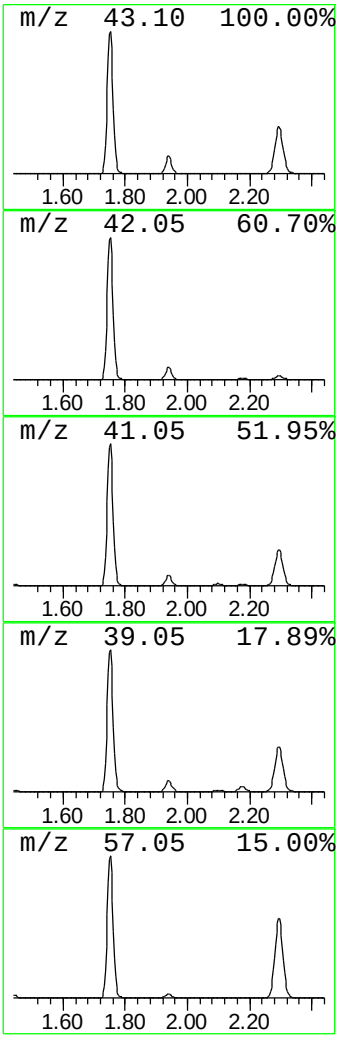
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.94	2.28 ug/L	197471	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	64
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	50





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ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

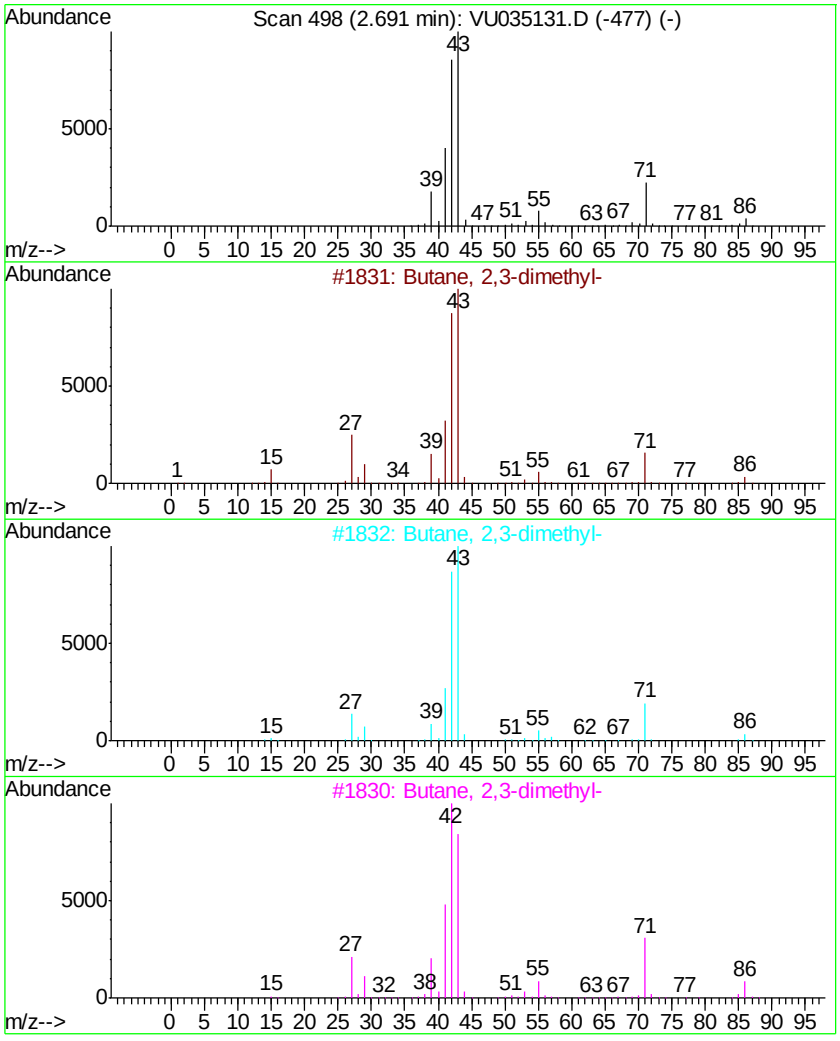
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

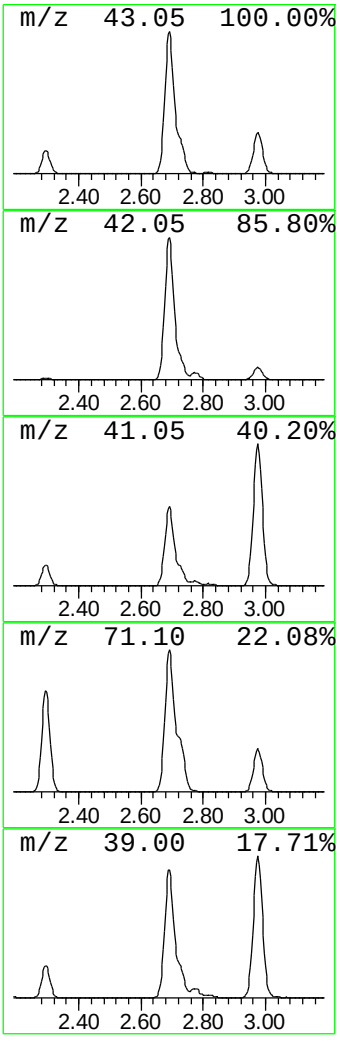
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.69	70.74 ug/L	6116360	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	56
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49





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ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

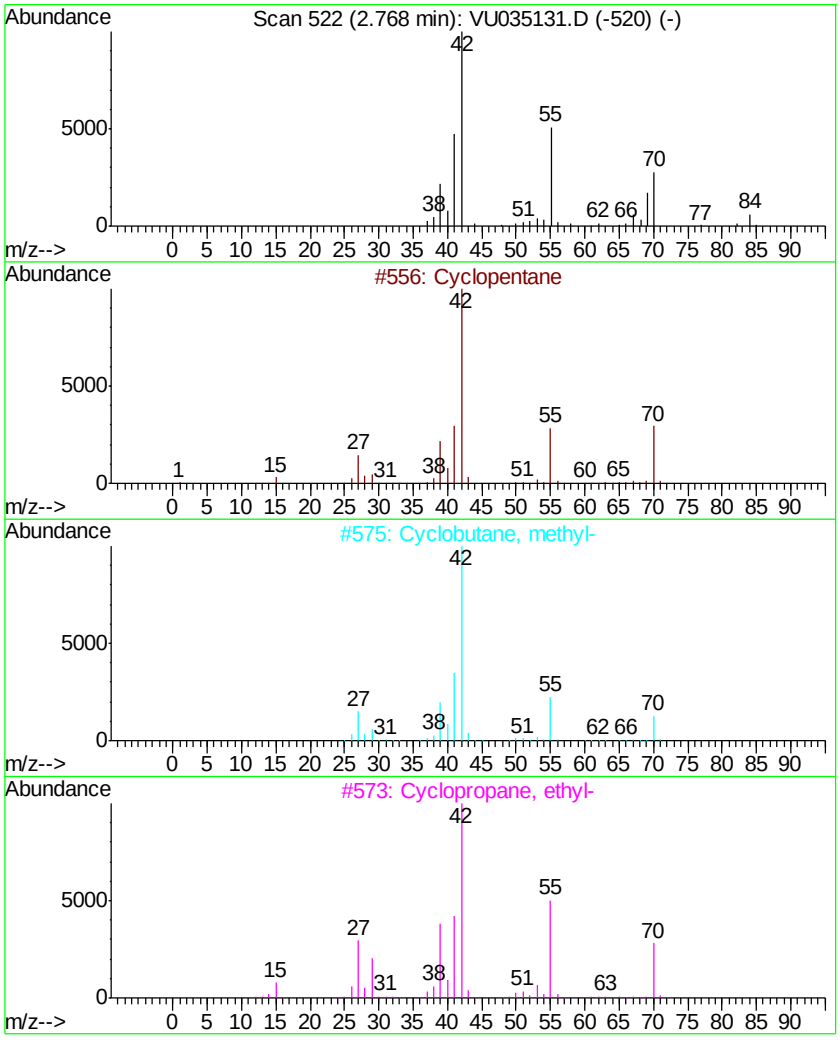
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

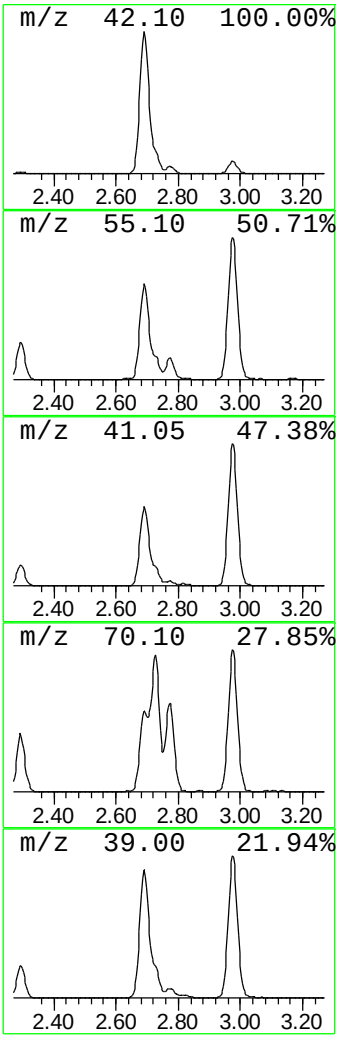
****

Peak Number 5 (DEL) Alkane: Cyclic2.77 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	1.27 ug/L	109965	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	64
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	59
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	59
4	1-Pentene	70	C5H10	000109-67-1	50
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	39





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

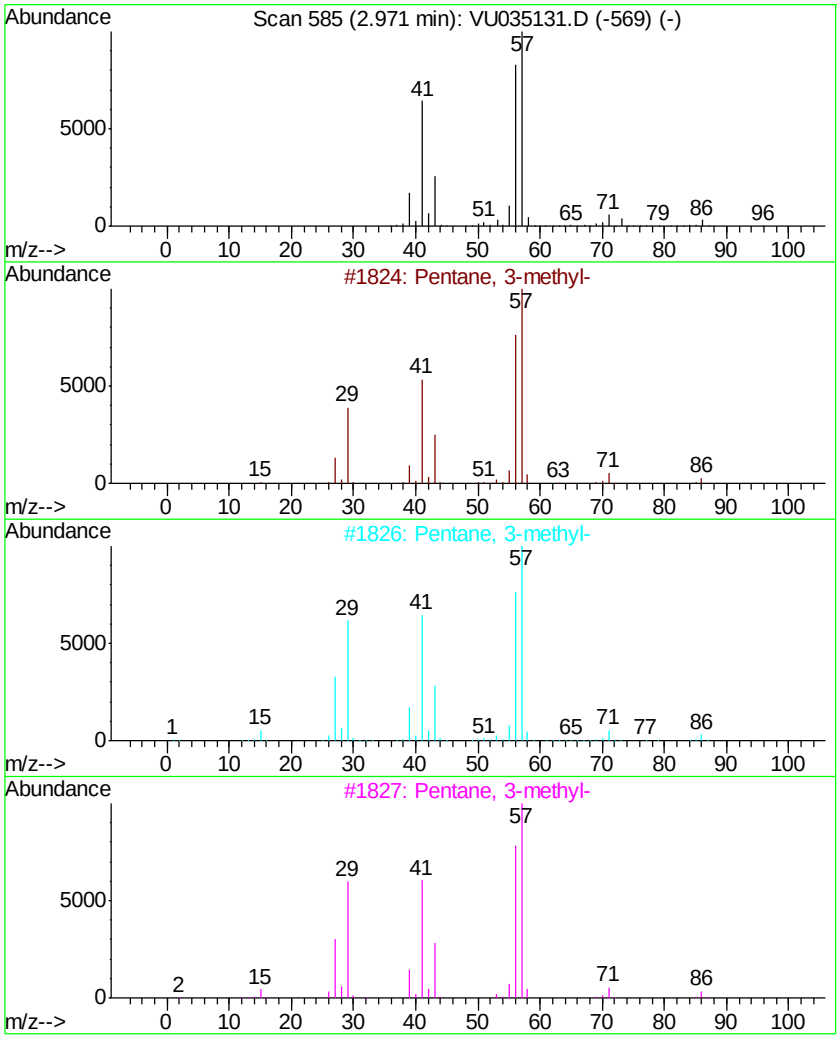
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

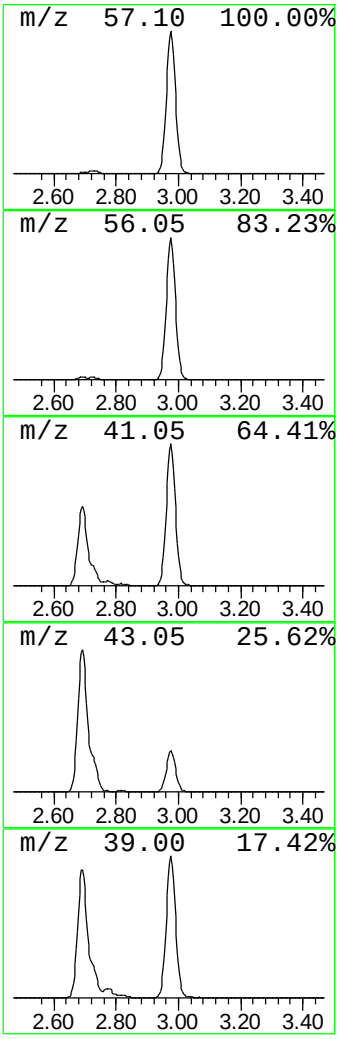
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	79.33 ug/L	6858230	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

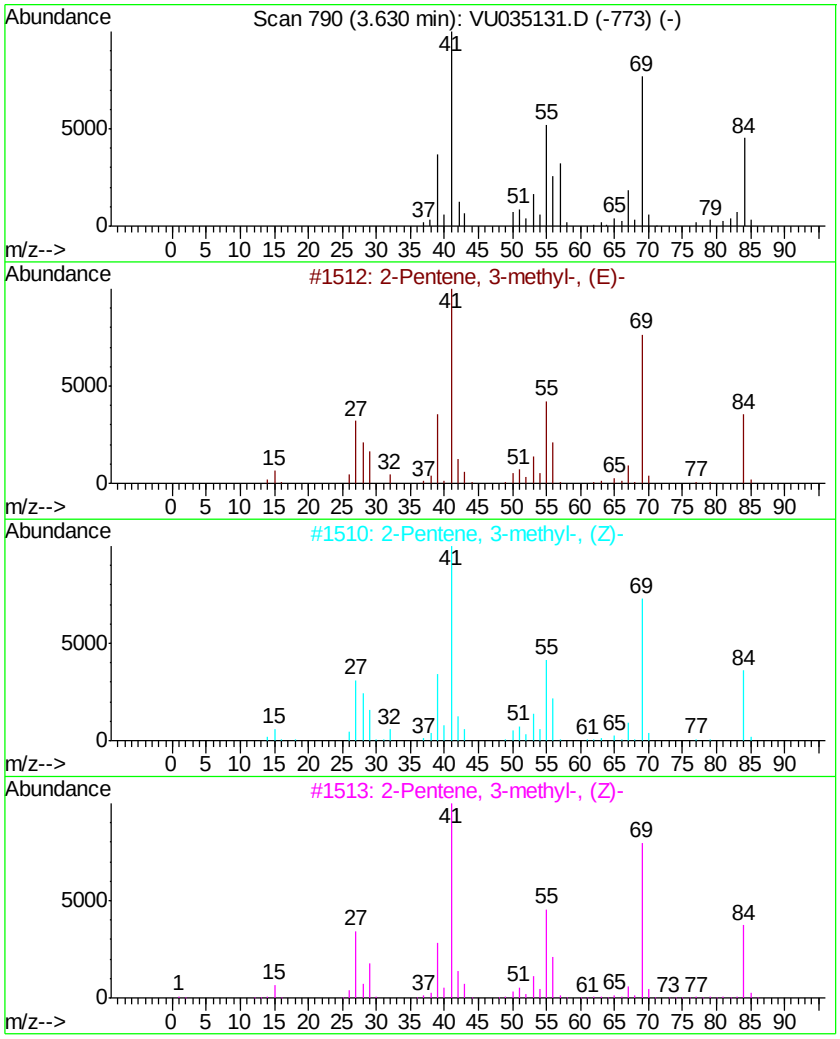
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

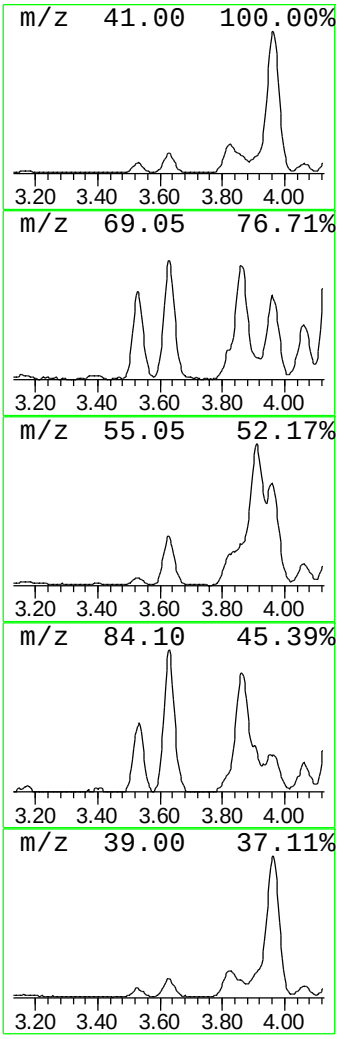
****

Peak Number 7 (DEL) Alkane: Cyclic3.63 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.63	1.61 ug/L	139205	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	97
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	95
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
4	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	91
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91





Library Search Compound Report

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Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

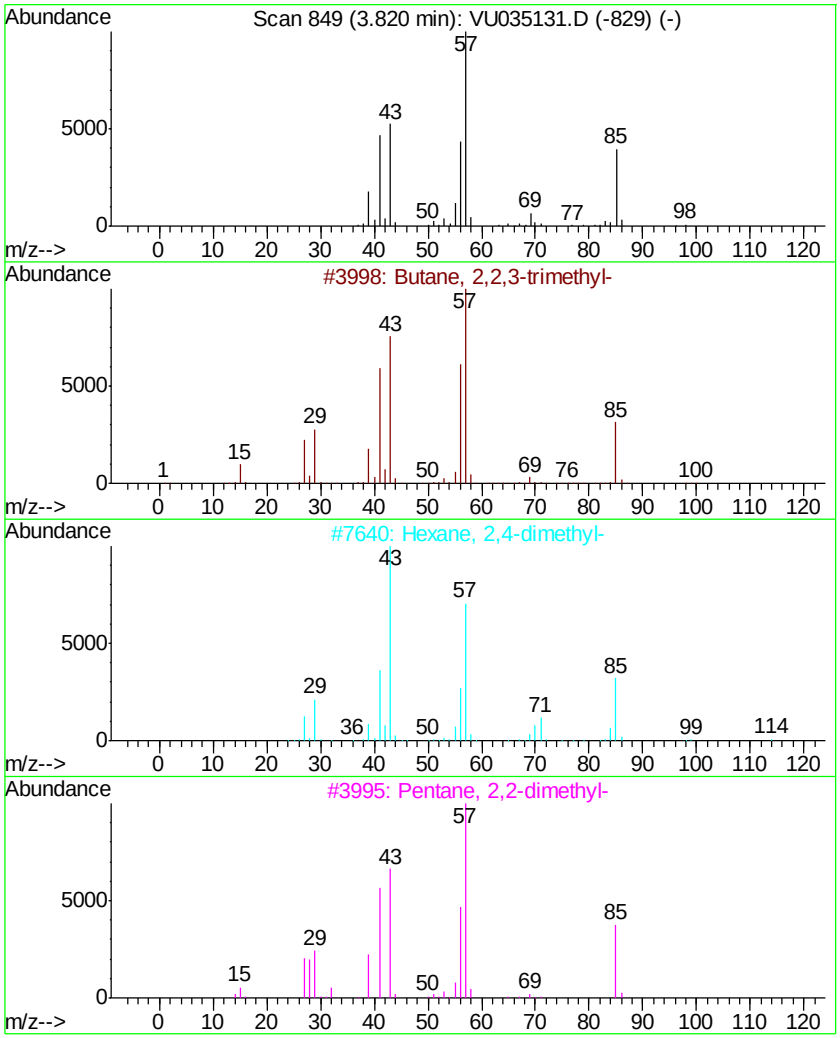
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

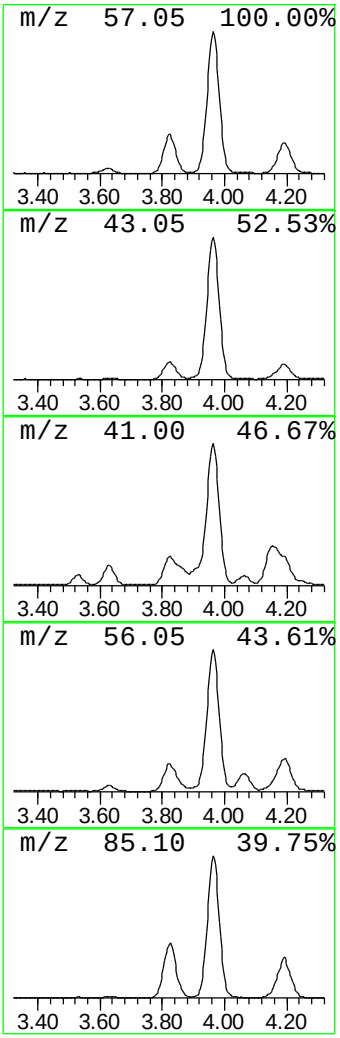
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.82	4.91 ug/L	424825	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	83
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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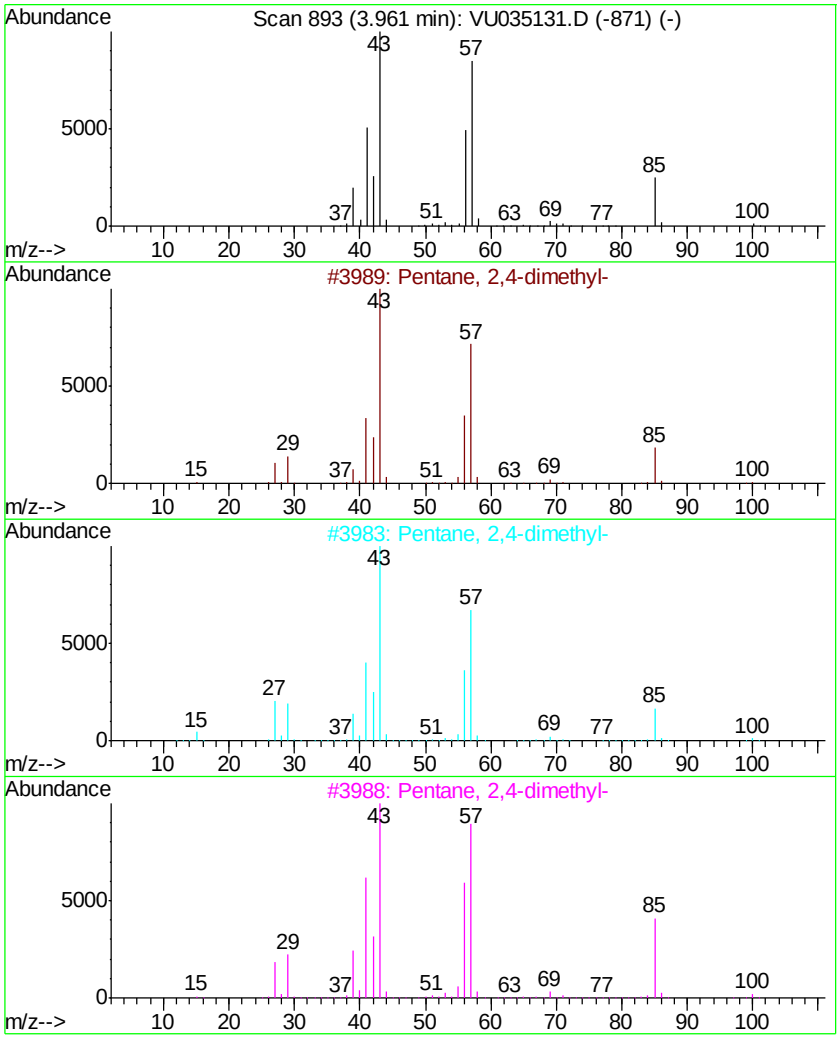
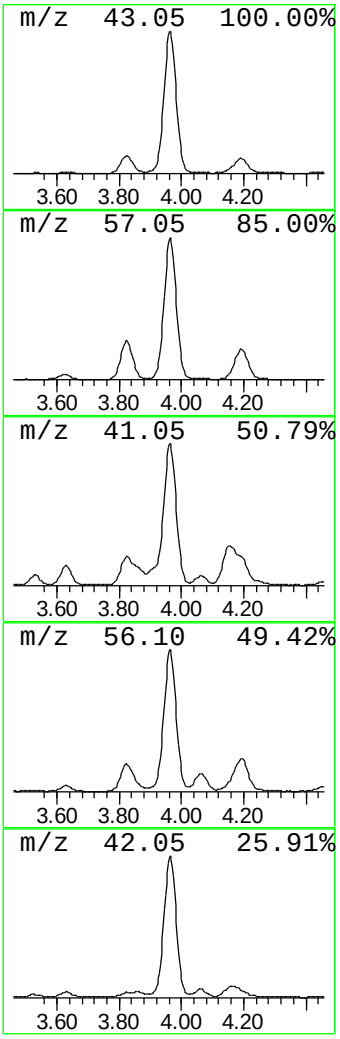
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	21.12 ug/L	1826250	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
4	n-Hexane	86	C6H14	000110-54-3	53
5	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

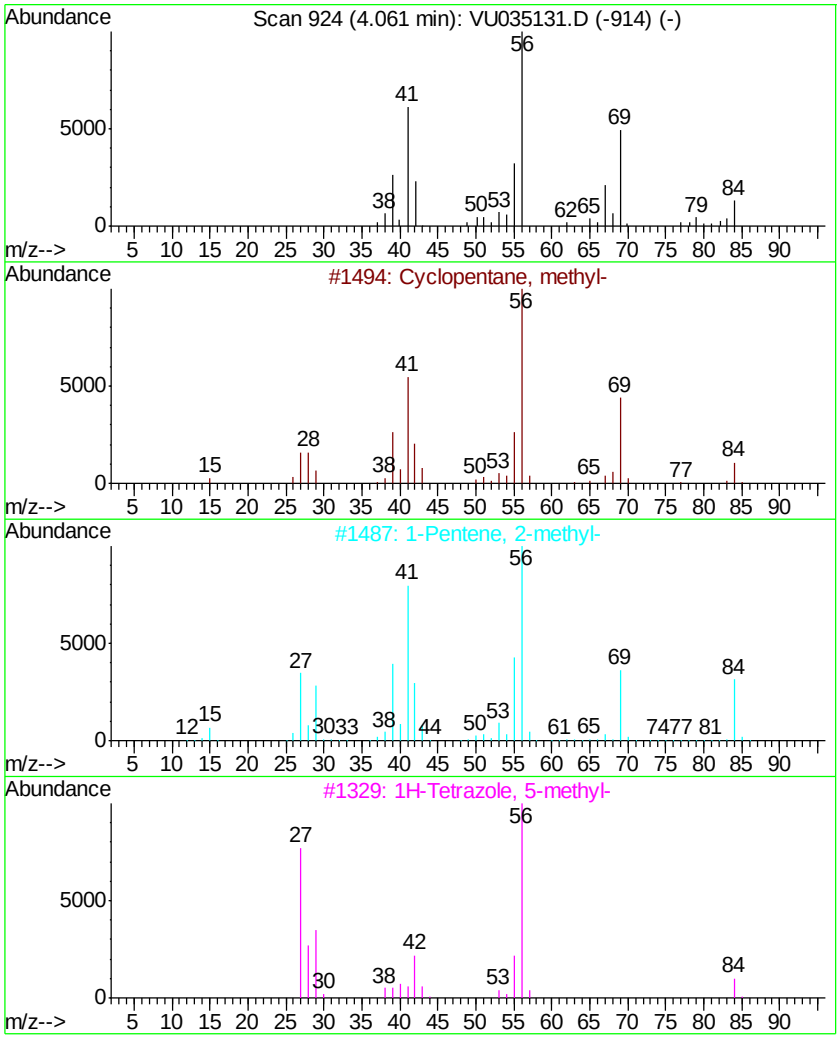
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

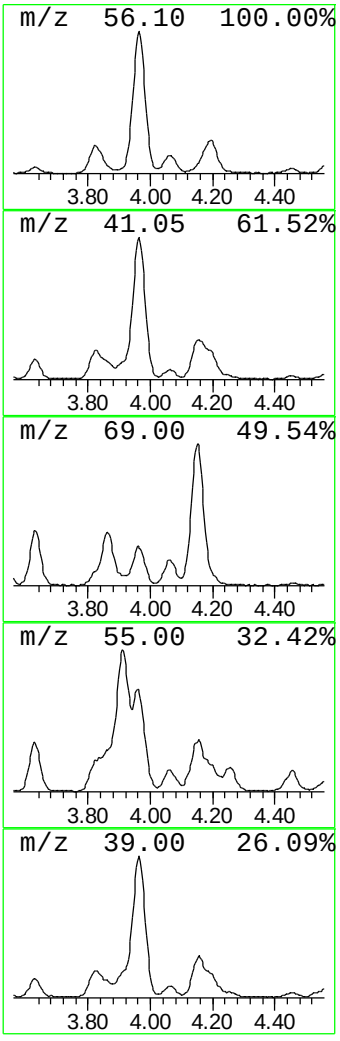
****

Peak Number 10 (DEL) Alkane: Cyclic4.06 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.06	1.08 ug/L	93417	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	53
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	50
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	47
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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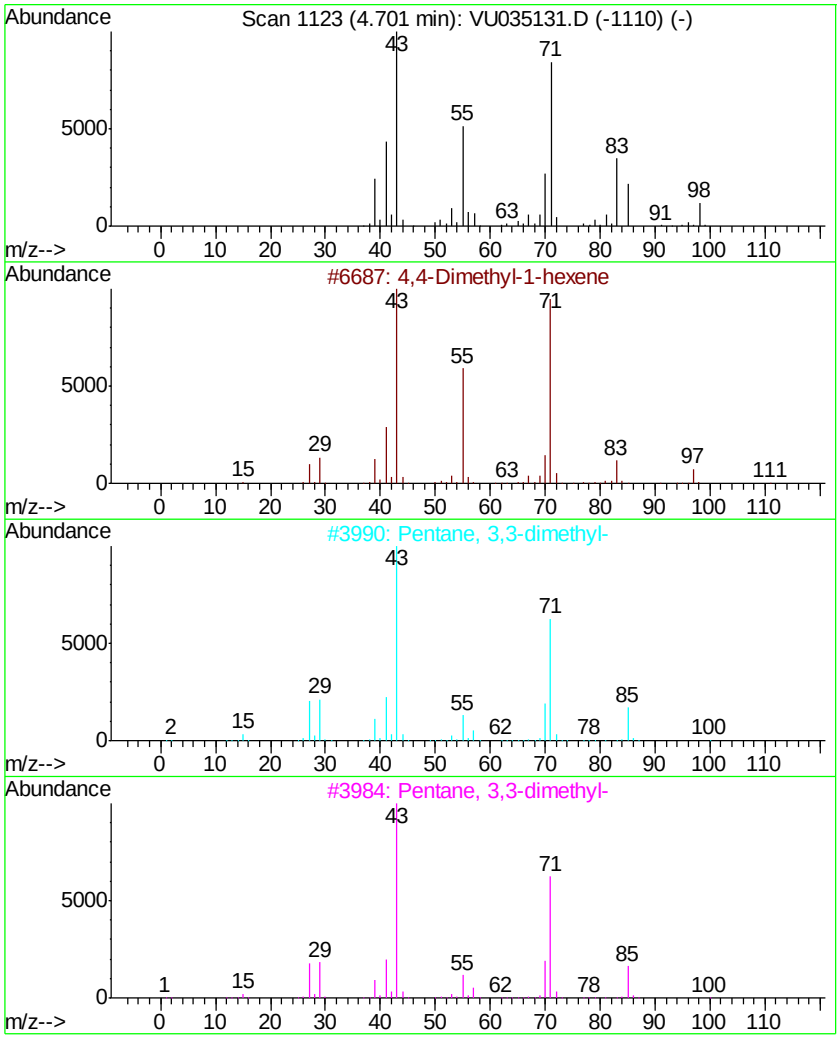
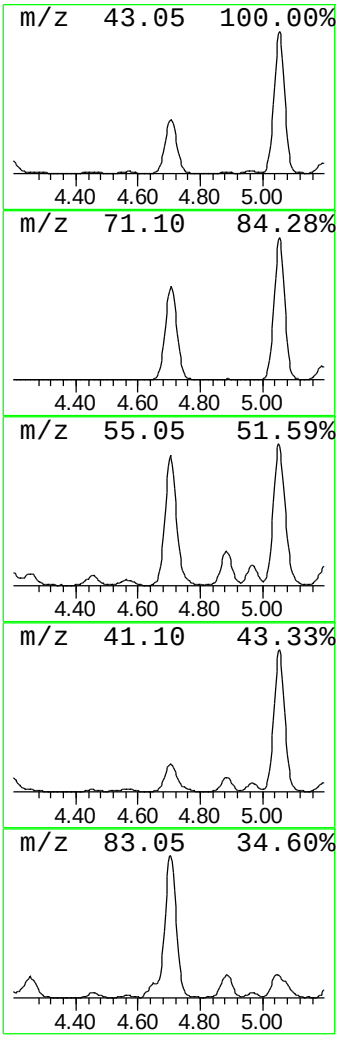
Peak Number 11 (DEL) Alkane: Cyclic4.70 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.70	10.47 ug/L	905183	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4-Dimethyl-1-hexene	112	C8H16	001647-08-1	53
2	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	53
3	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	53
4	1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	50
5	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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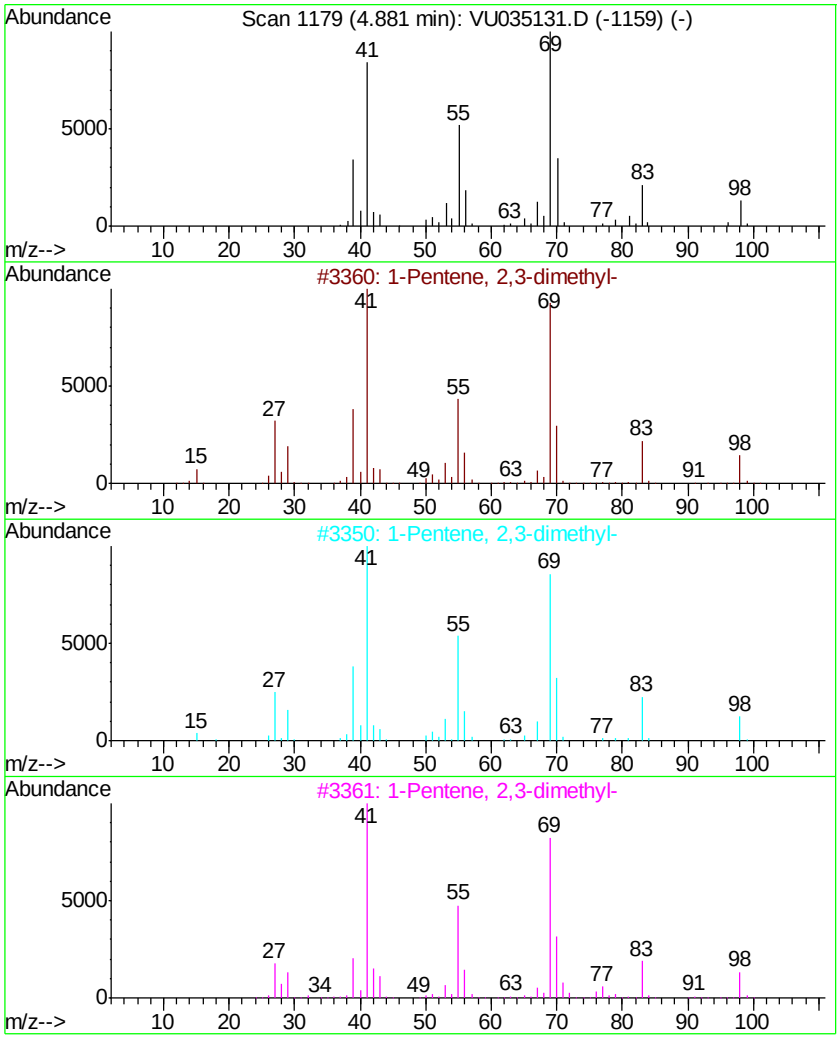
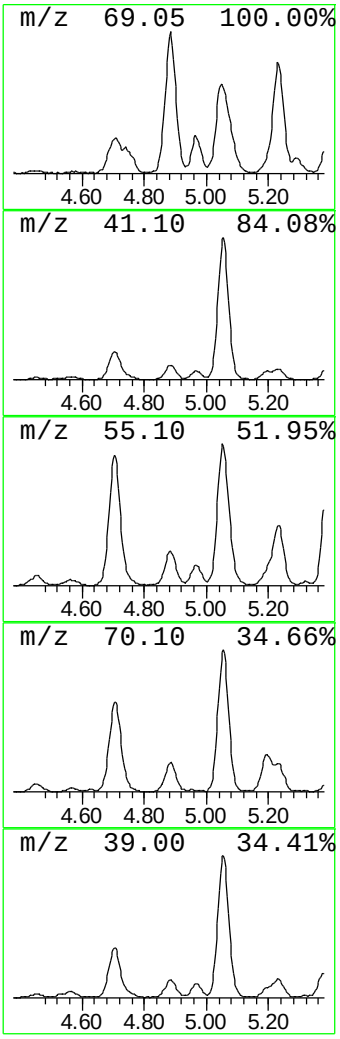
Peak Number 12 (DEL) Alkane: Cyclic4.88 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.88	2.21 ug/L	191168	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	95
2	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	95
3	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	91
4	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	90
5	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	90





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Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

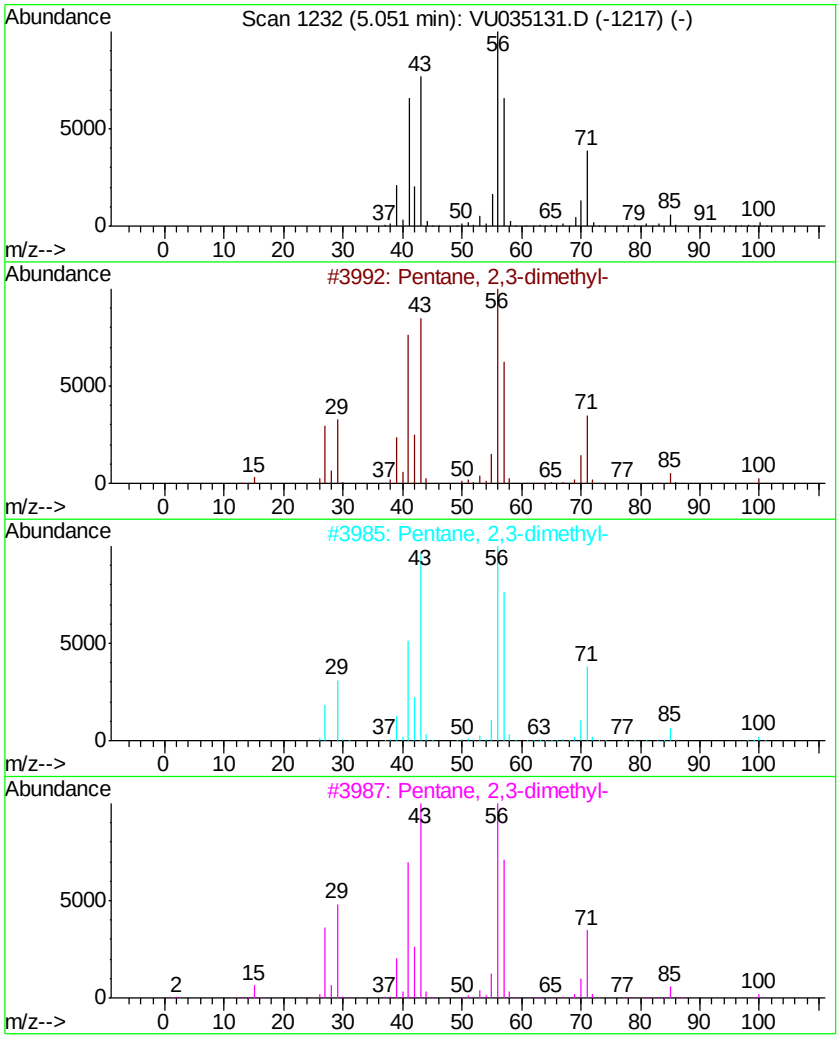
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

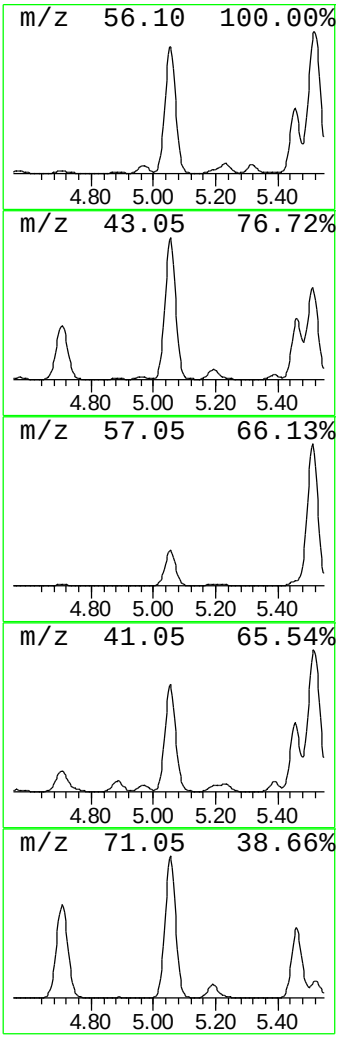
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	28.96 ug/L	2503660	1,4-Difluorobenzene	5.86

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	90
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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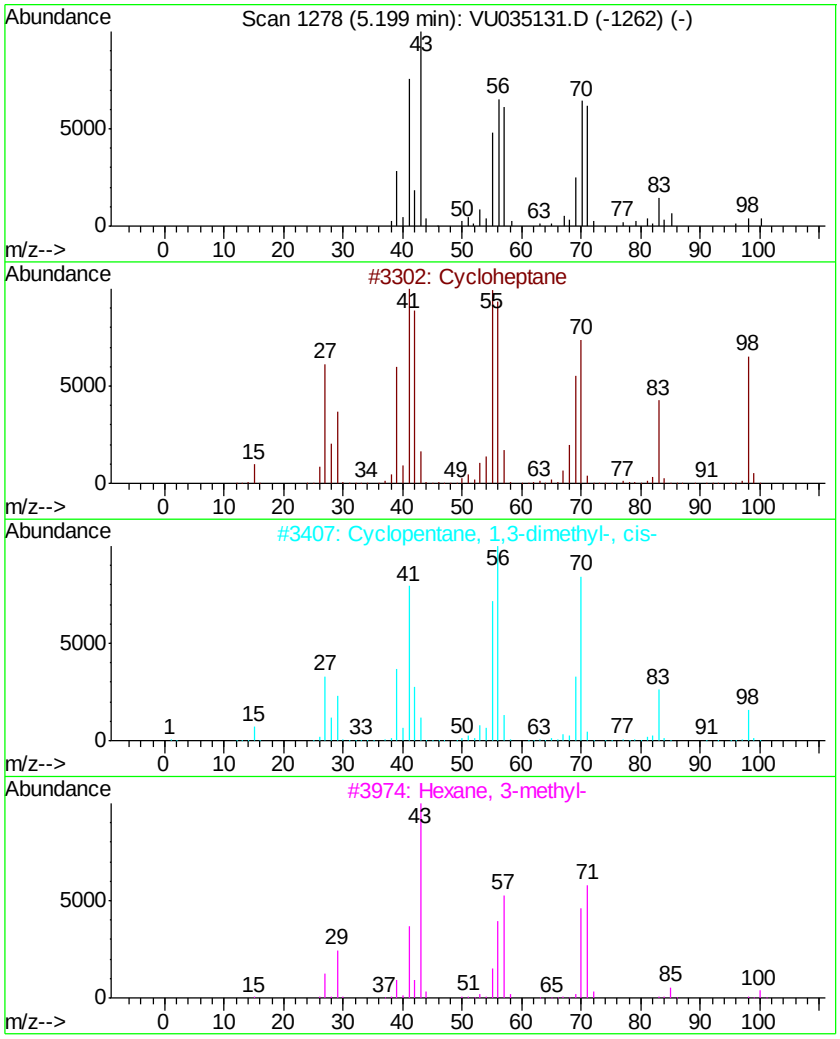
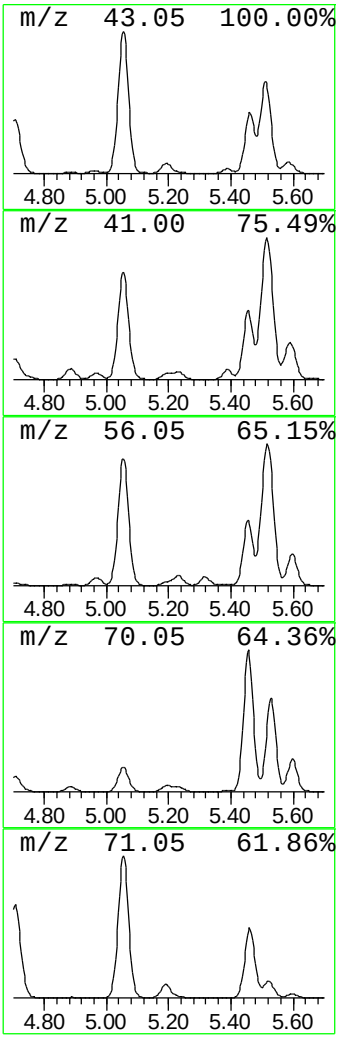
Peak Number 14 (DEL) Alkane: Cyclic5.20 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	1.49 ug/L	128717	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane	98	C7H14	000291-64-5	59
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	53
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	52
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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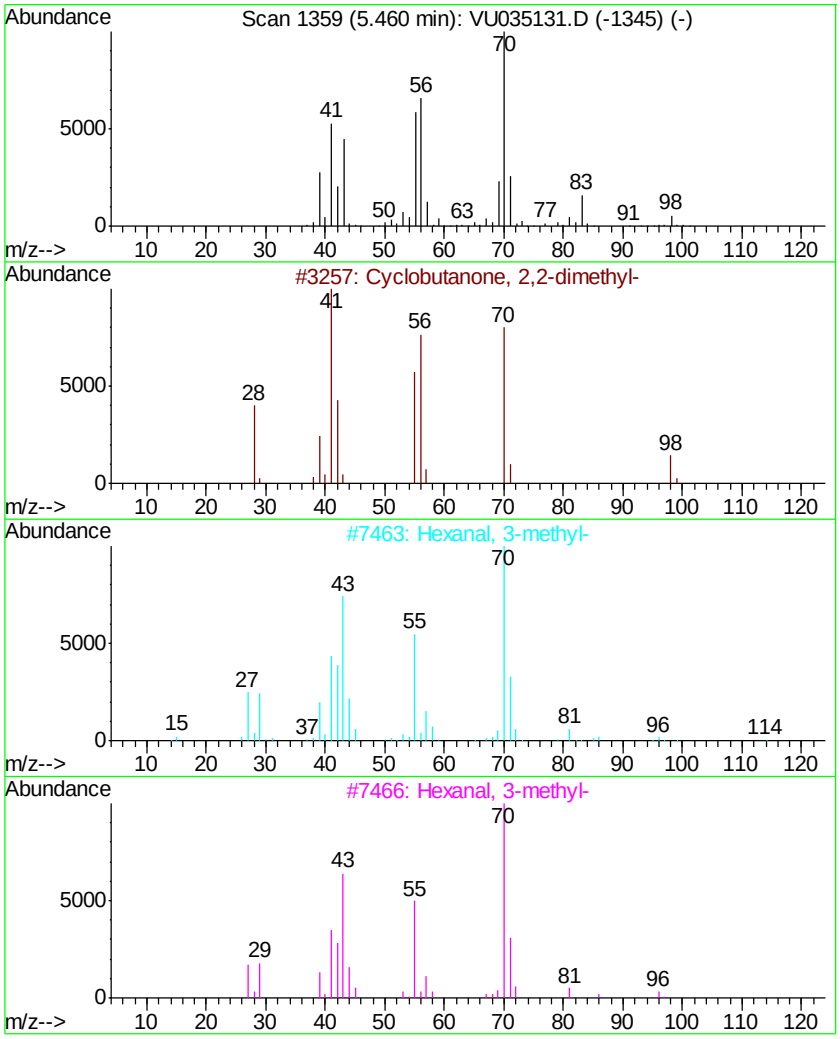
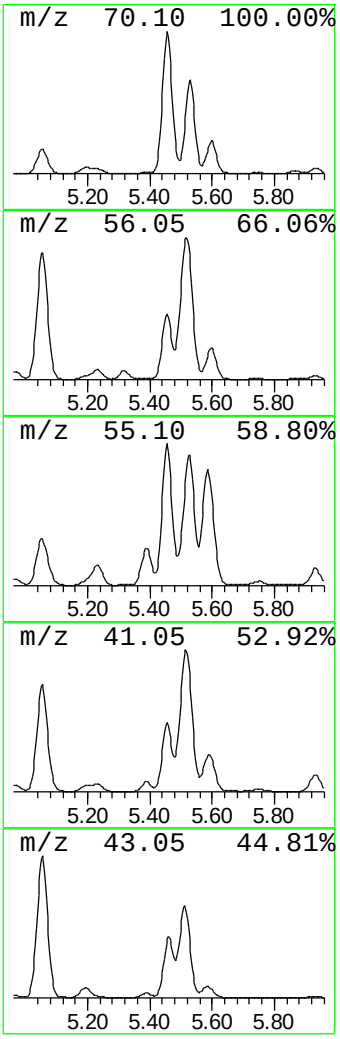
Peak Number 15 Cyclobutanone, 2,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.46	22.35 ug/L	1932620	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	64
2	Hexanal, 3-methyl-	114	C7H14O	019269-28-4	53
3	Hexanal, 3-methyl-	114	C7H14O	019269-28-4	53
4	1-Octene, 3-methyl-	126	C9H18	013151-08-1	47
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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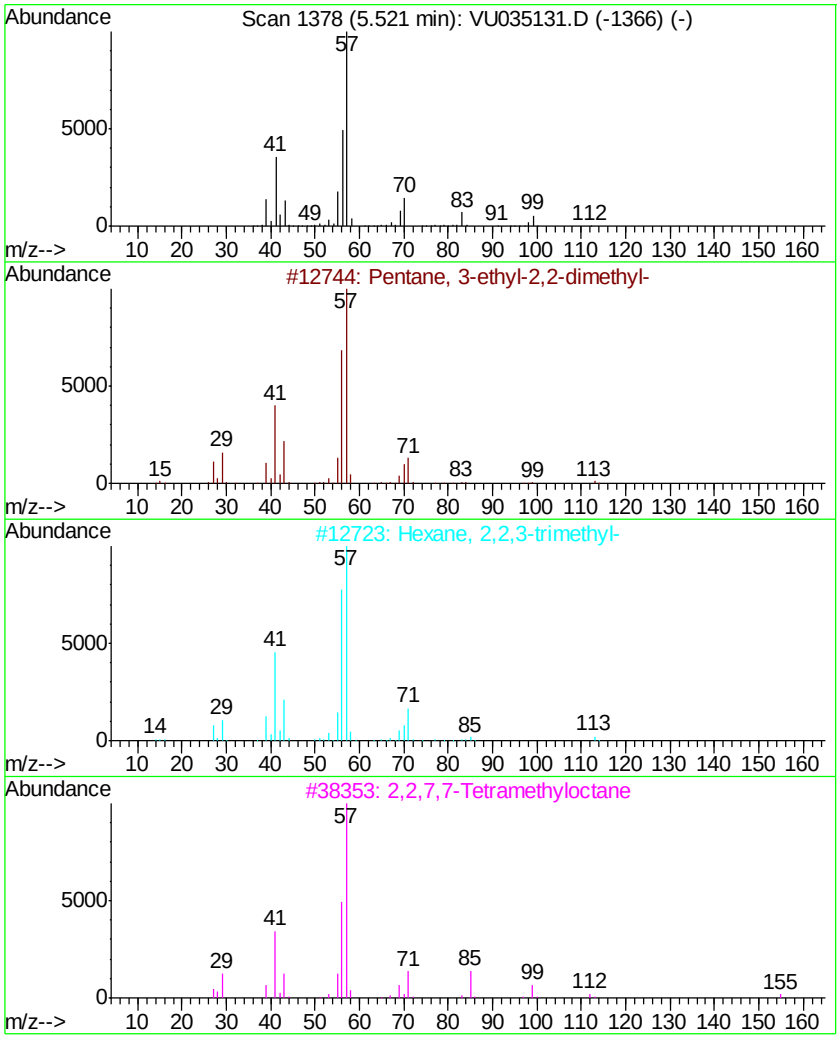
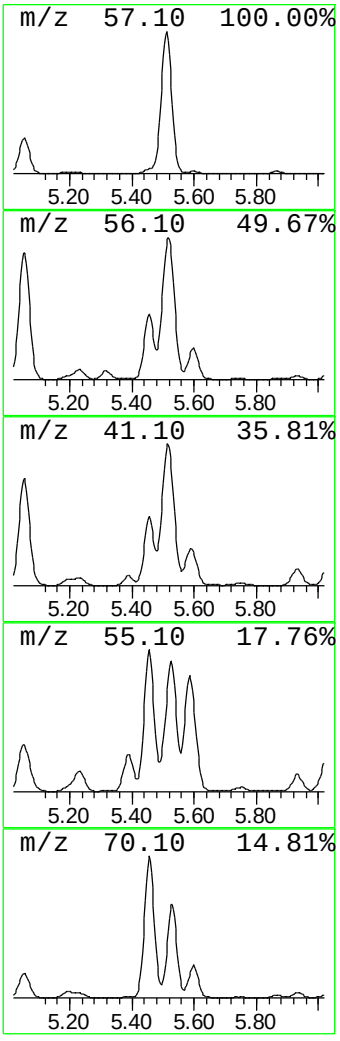
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	48.61 ug/L	4202980	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	59
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	59
3	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	59
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	56
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

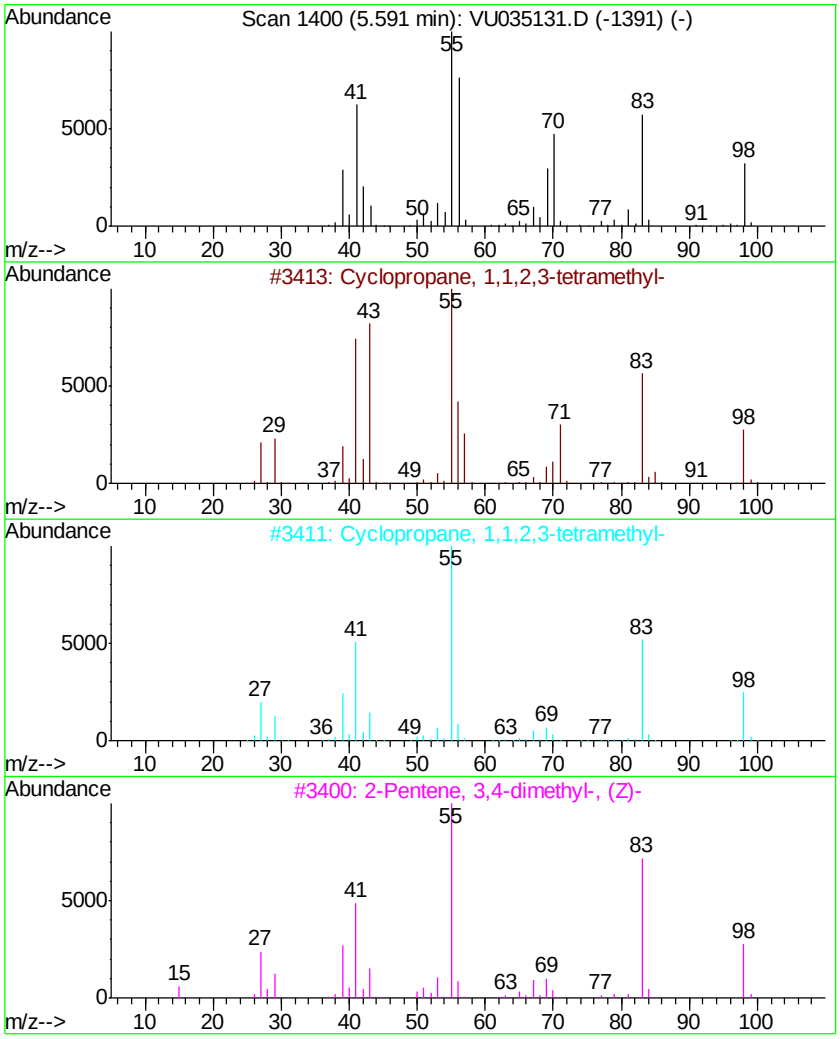
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

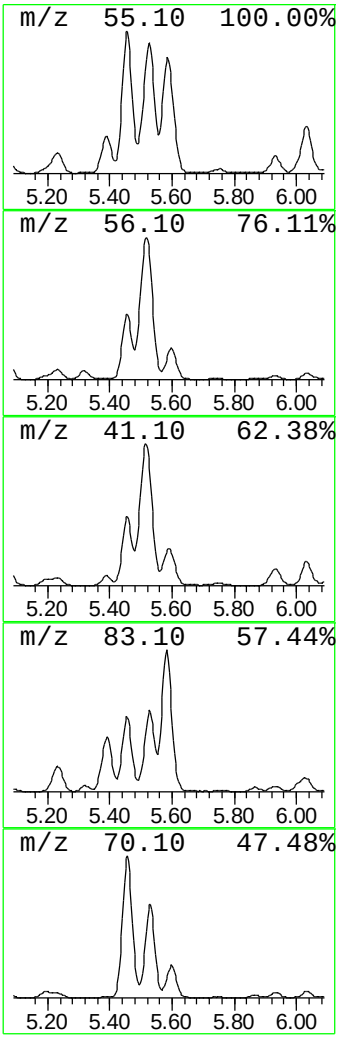
****

Peak Number 17 (DEL) Alkane: Cyclic5.59 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.59	13.14 ug/L	1135920	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	80
2	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	58
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	58
4	3-Heptene, (E)-	98	C7H14	014686-14-7	52
5	3-Heptene, (E)-	98	C7H14	014686-14-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

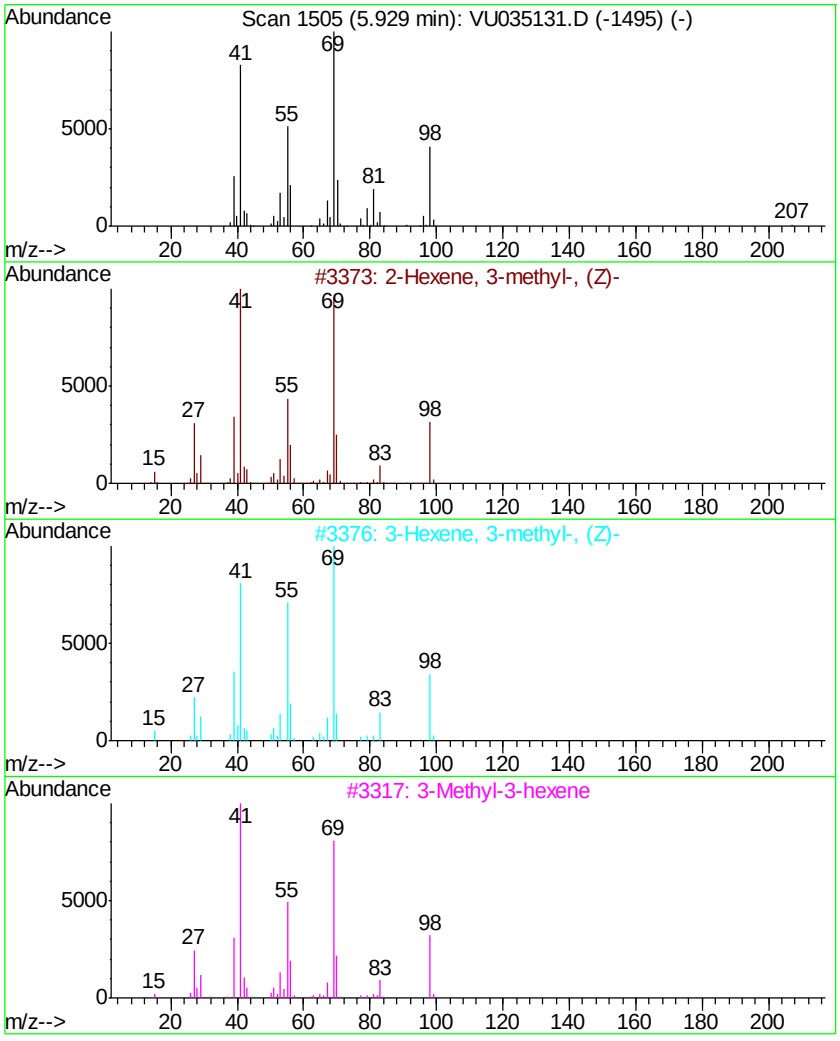
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

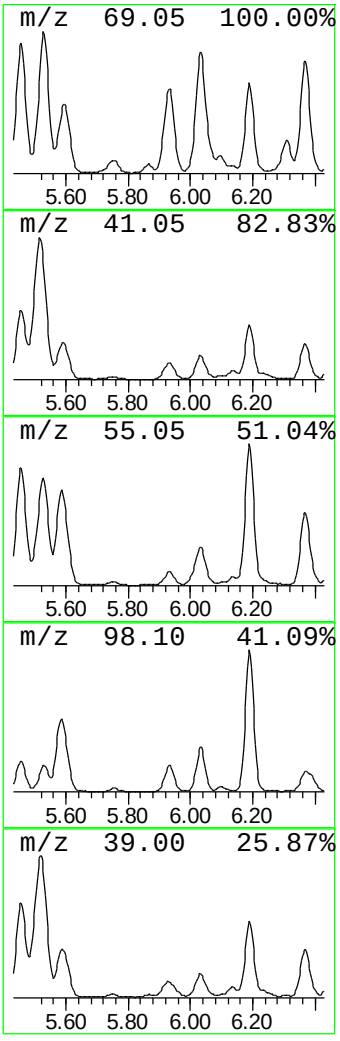
****

Peak Number 18 (DEL) Alkane: Cyclic5.93 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	4.32 ug/L	373523	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	87
2	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	87
3	3-Methyl-3-hexene	98	C7H14	003404-65-7	87
4	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	86
5	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

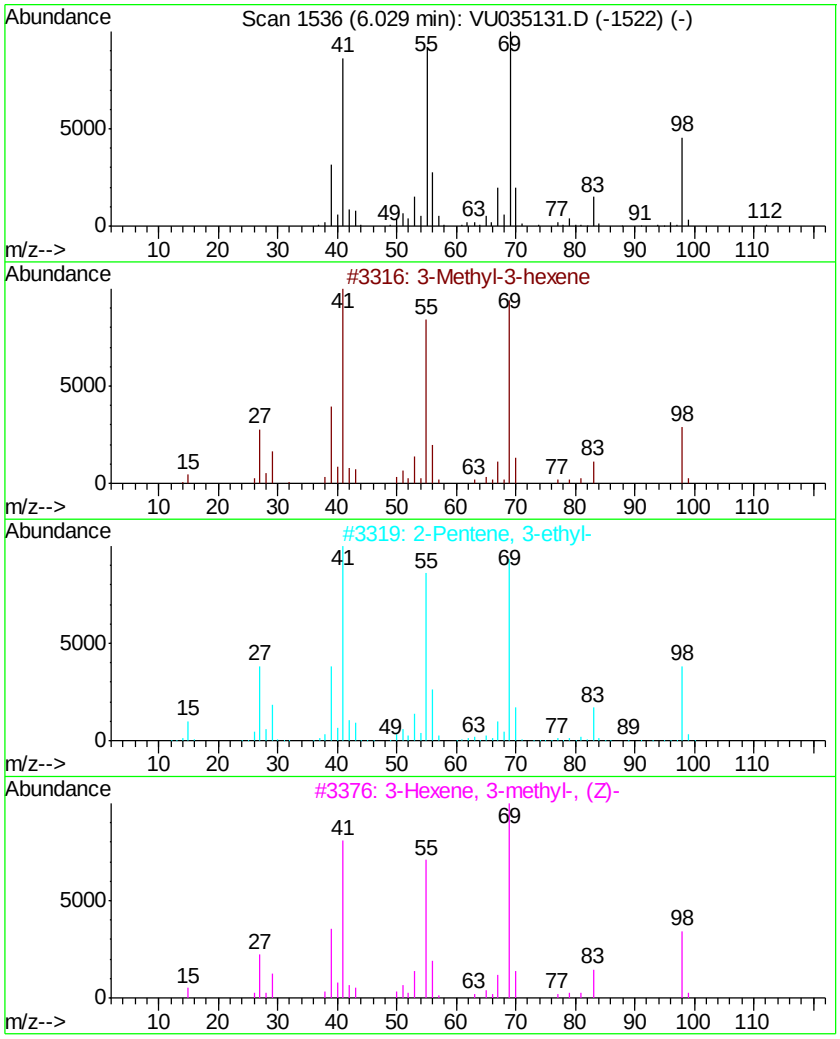
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

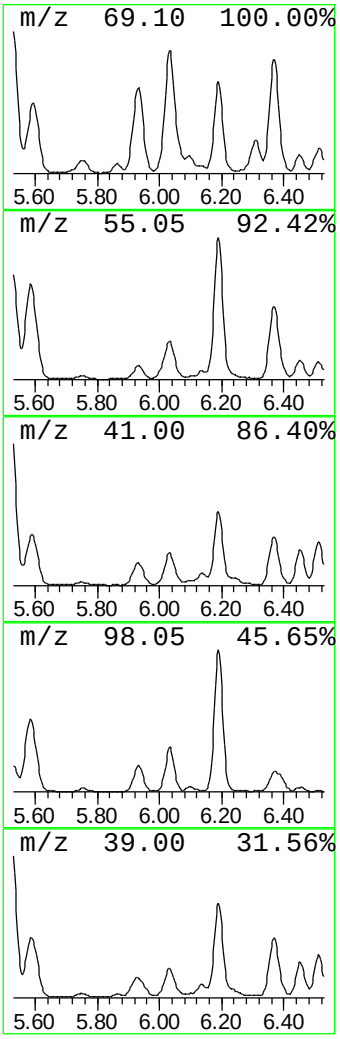
****

Peak Number 19 (DEL) Alkane: Cyclic6.03 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	5.23 ug/L	452419	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-3-hexene	98	C7H14	003404-65-7	90
2	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	87
3	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	87
4	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	87
5	3-Methyl-3-hexene	98	C7H14	003404-65-7	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

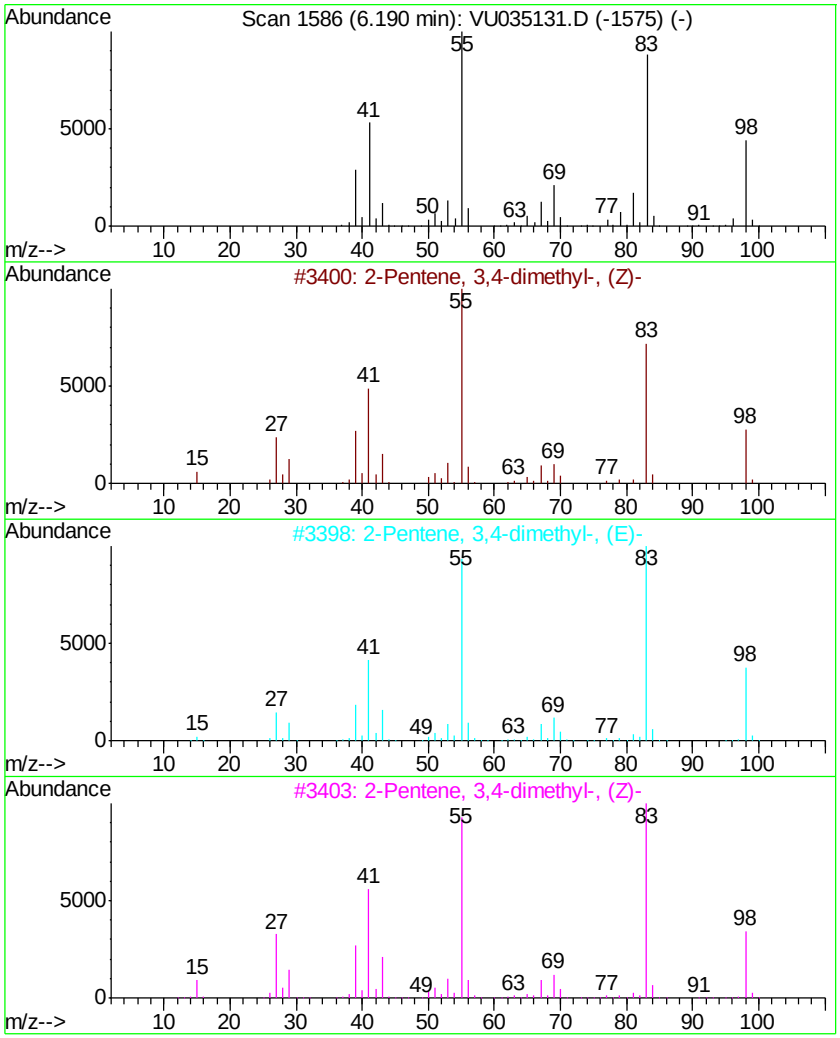
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

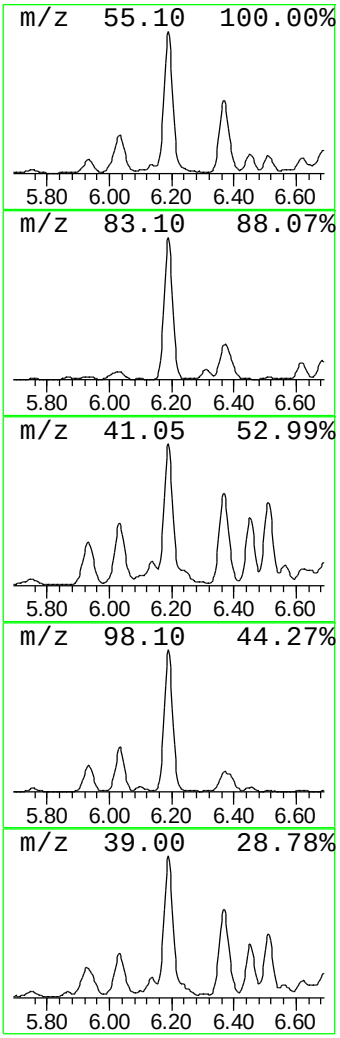
****

Peak Number 20 (DEL) Alkane: Cyclic6.19 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.19	15.28 ug/L	1321140	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90
2	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90
4	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	87
5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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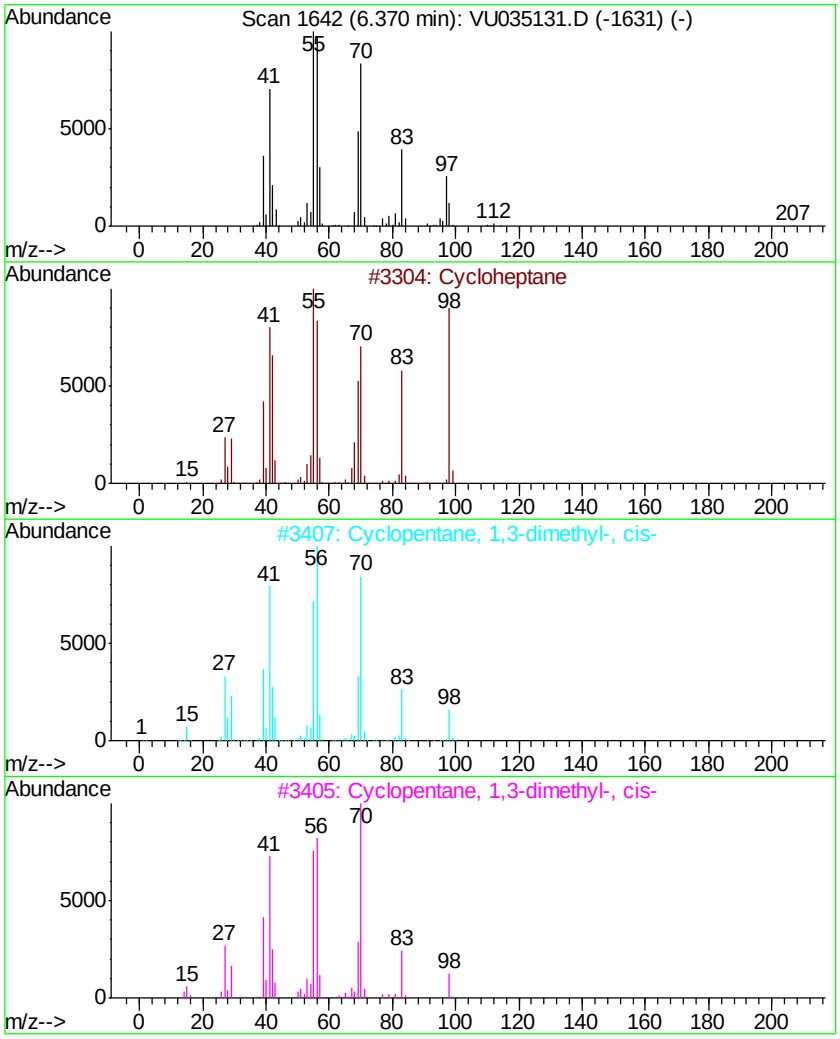
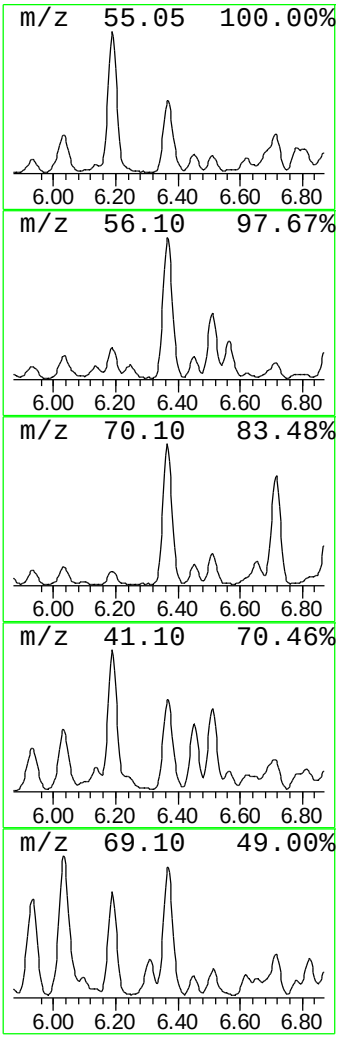
Peak Number 21 (DEL) Alkane: Cyclic6.37 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	11.18 ug/L	966973	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane	98	C7H14	000291-64-5	80
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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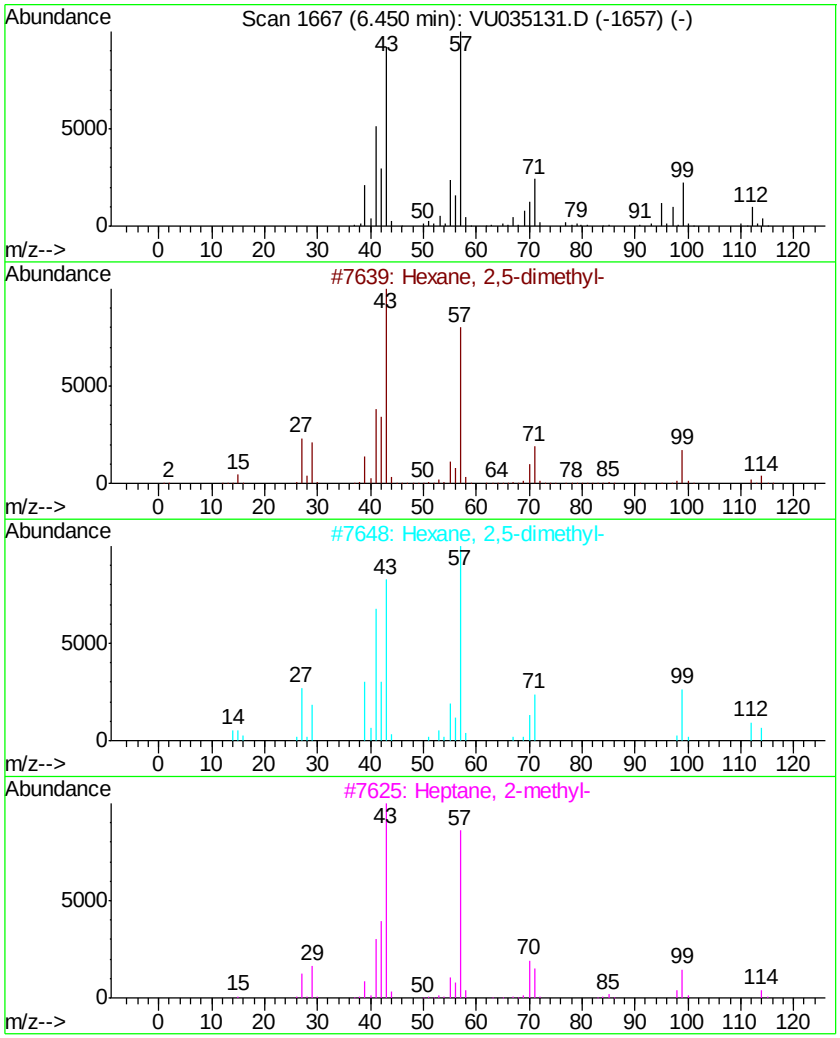
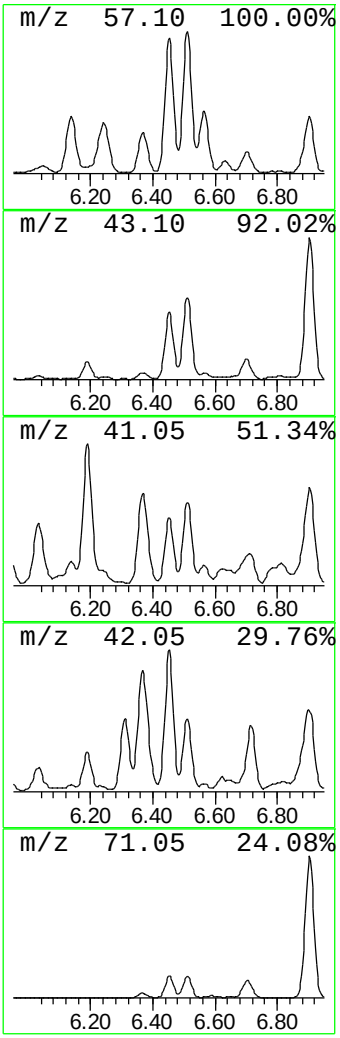
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	6.90 ug/L	596602	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	81
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	59
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	58
4	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	43
5	2-Isopropyl-4H-oxazol-5-one	127	C6H9NO2	1000190-01-9	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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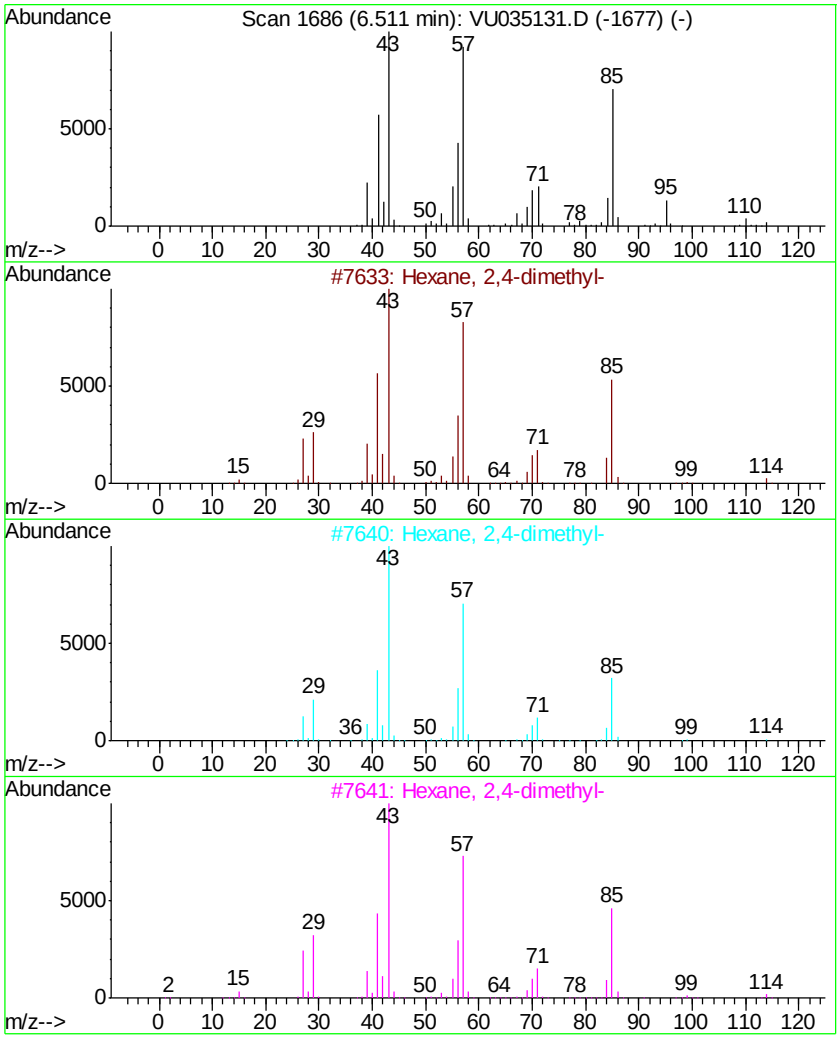
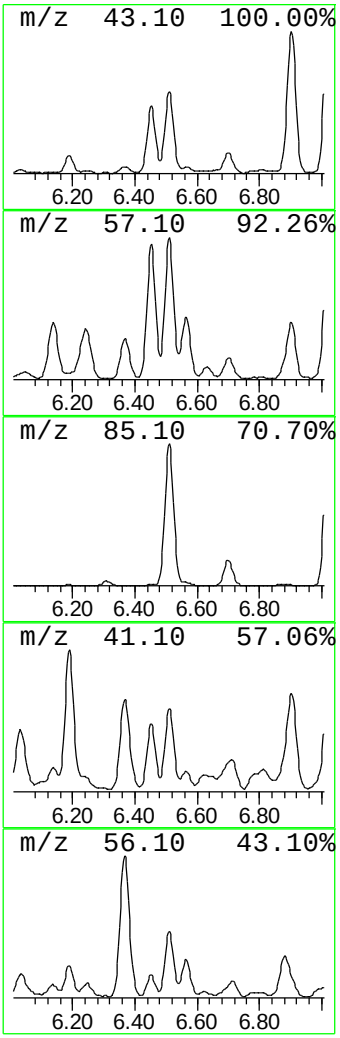
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	7.55 ug/L	652817	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	95
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	90
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	90
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	76
5	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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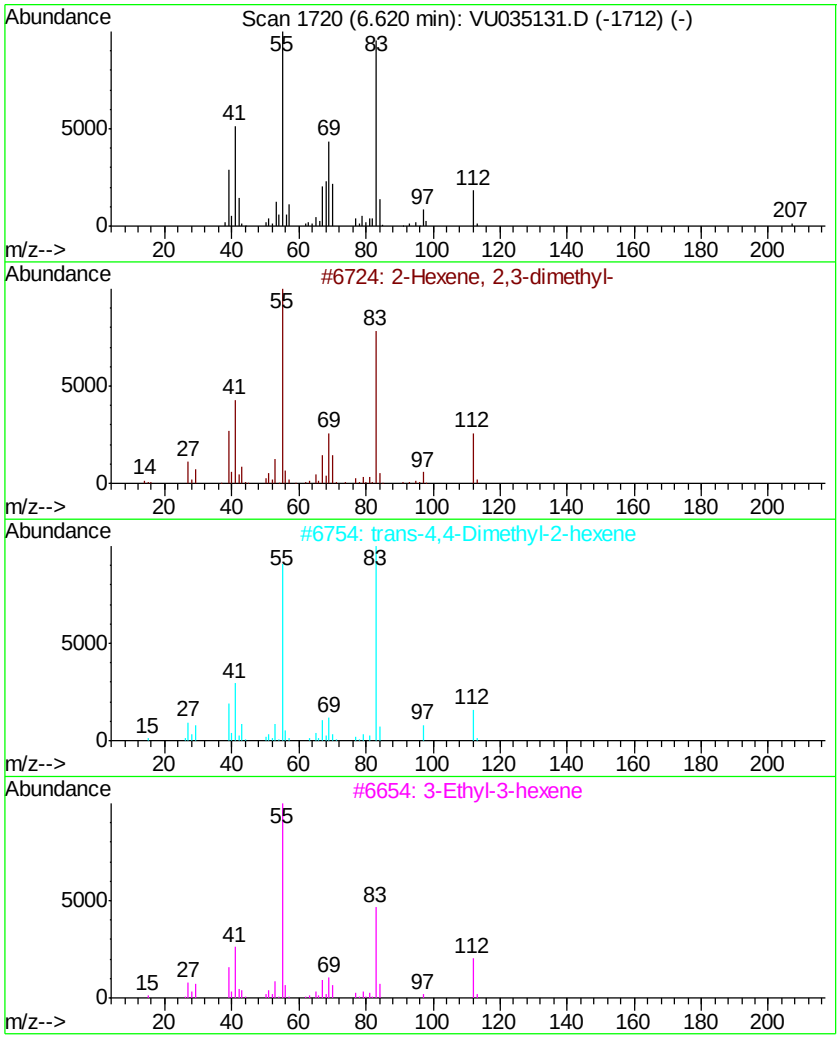
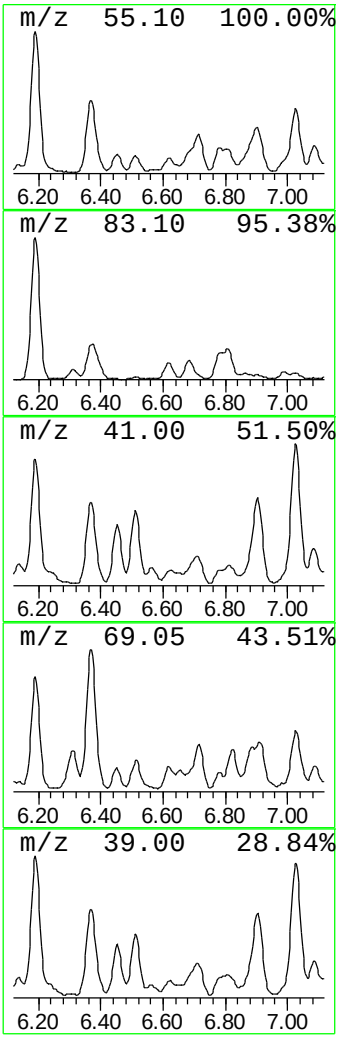
Peak Number 24 (DEL) Alkane: Cyclic6.62 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	1.32 ug/L	113824	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	87
2	trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	70
3	3-Ethyl-3-hexene	112	C8H16	016789-51-8	68
4	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	68
5	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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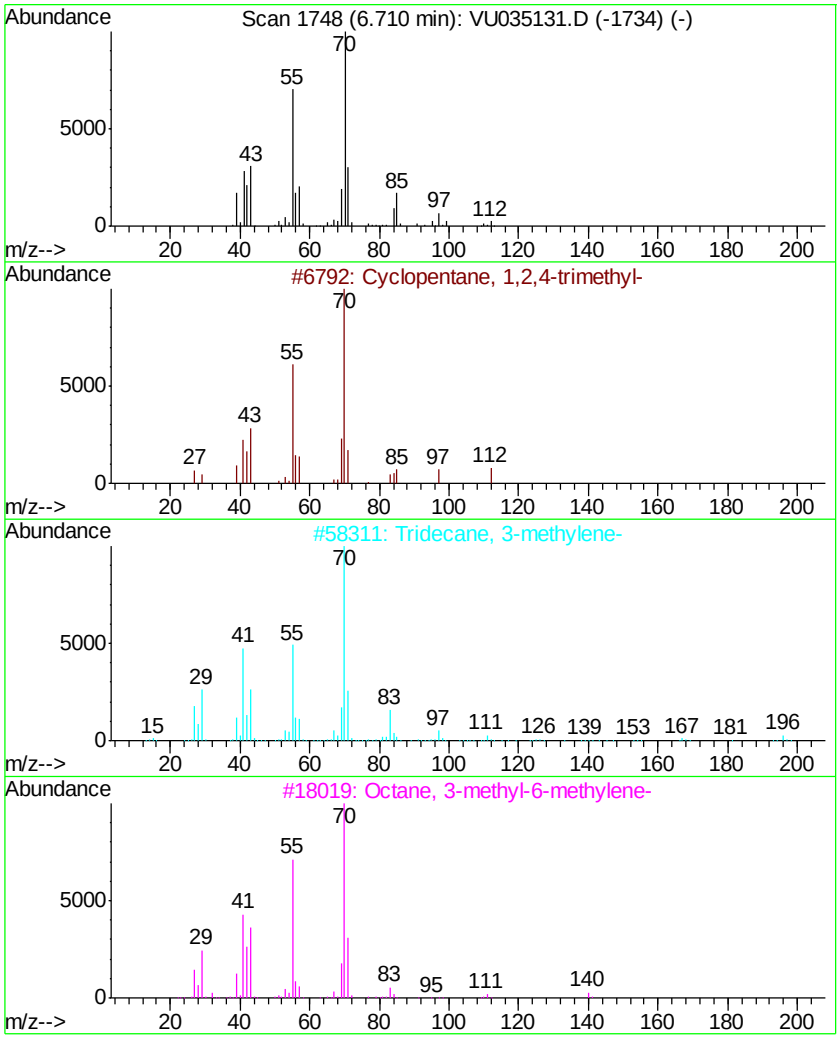
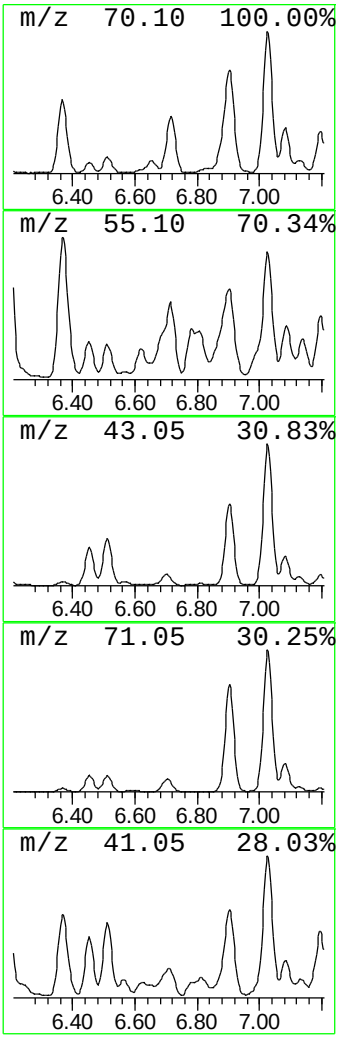
Peak Number 25 (DEL) Alkane: Cyclic6.71 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	6.47 ug/L	559625	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	78
2	Tridecane, 3-methylene-	196	C14H28	019780-34-8	72
3	Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	72
4	1-Heptene, 5-methyl-	112	C8H16	013151-04-7	64
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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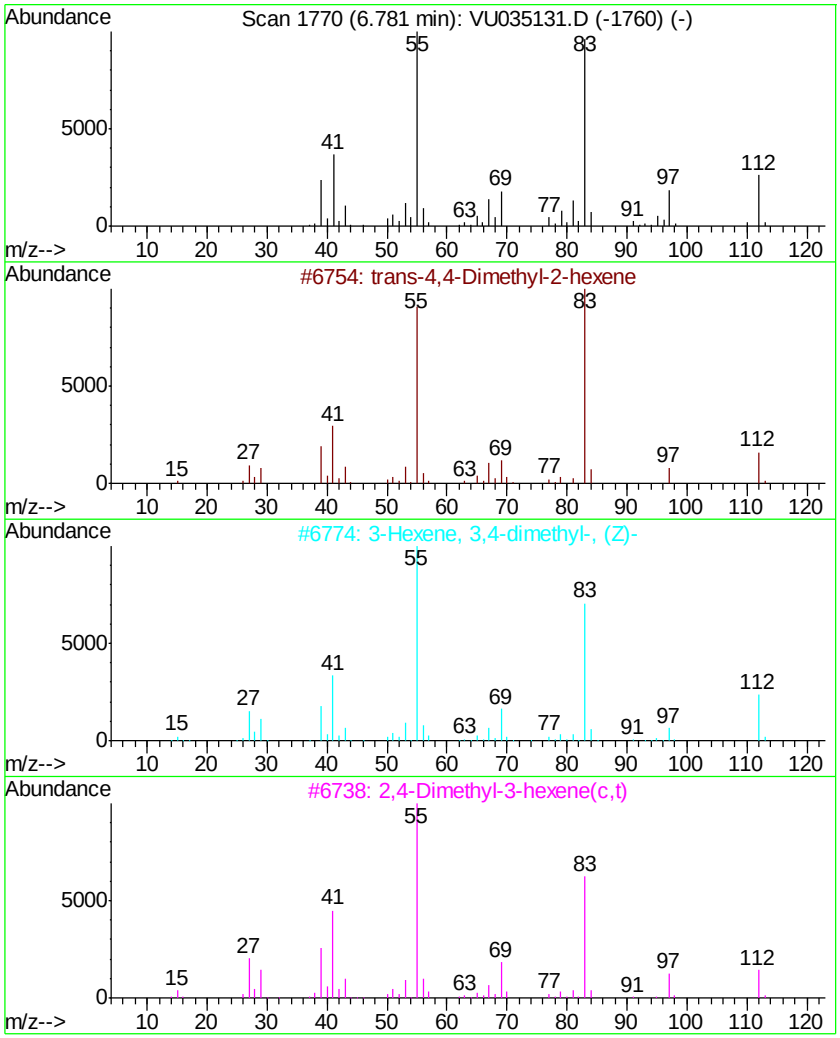
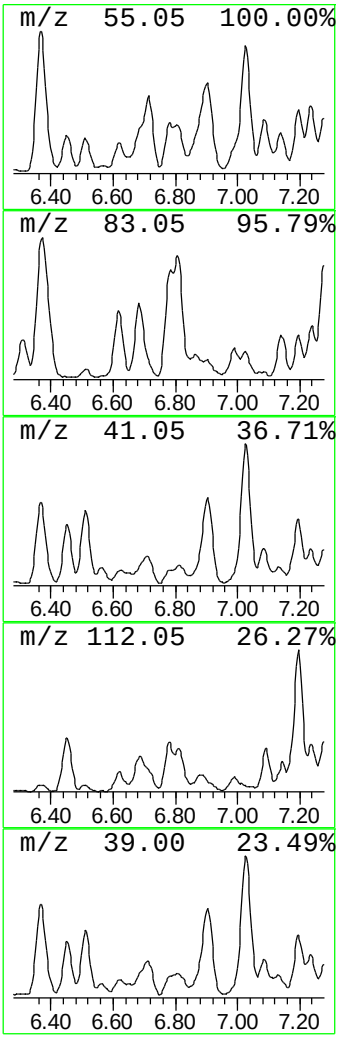
Peak Number 26 (DEL) Alkane: Cyclic6.78 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	1.88 ug/L	162711	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	90
2	3-Hexene, 3,4-dimethyl-, (Z)-	112	C8H16	019550-87-9	87
3	2,4-Dimethyl-3-hexene(c,t)	112	C8H16	1000118-16-4	87
4	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	87
5	3-Ethyl-4-methyl-2-pentene	112	C8H16	019780-68-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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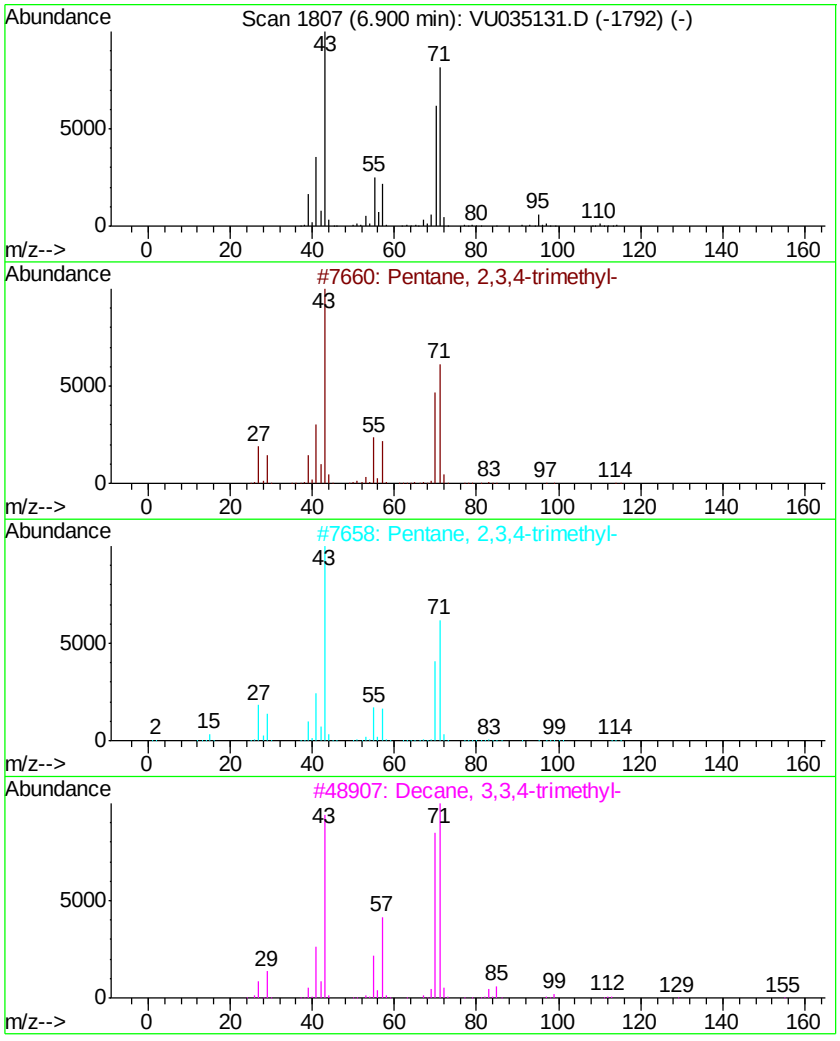
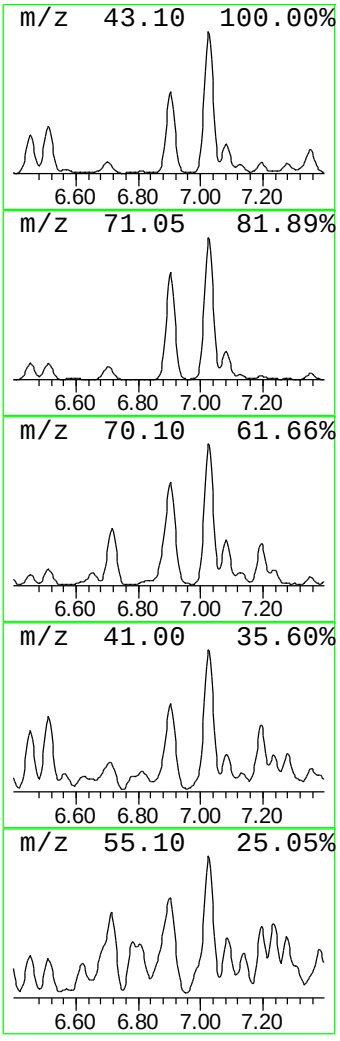
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	15.41 ug/L	1332220	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	87
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	80
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

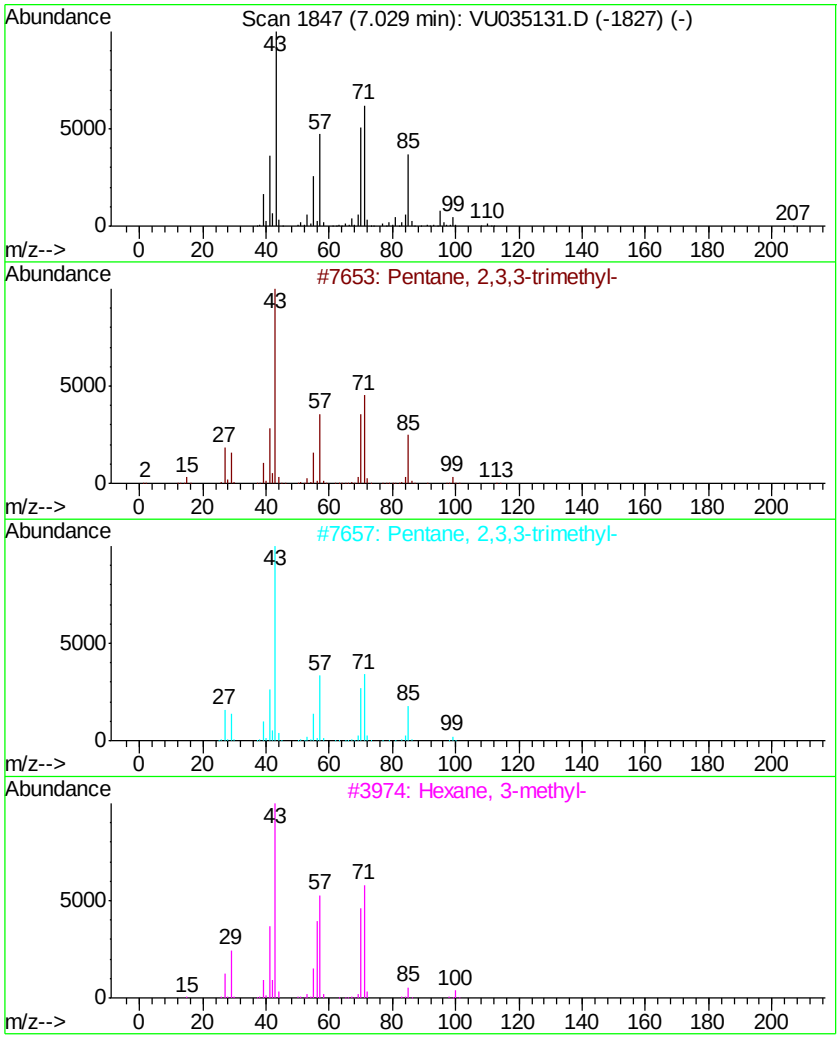
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

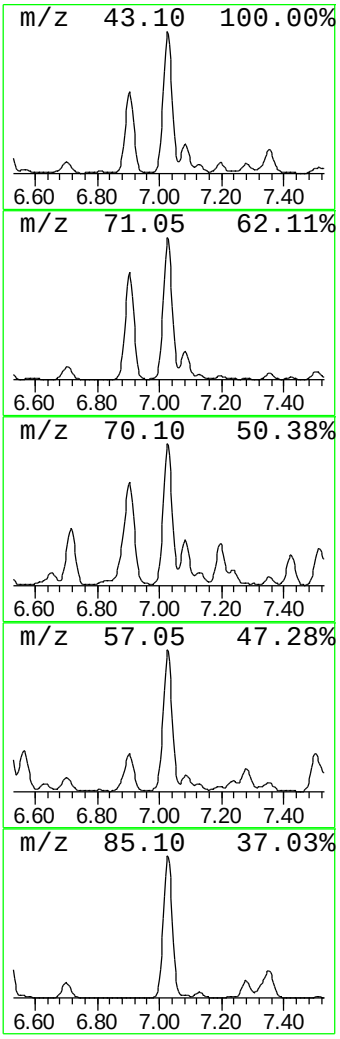
****

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	25.80 ug/L	2230940	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	86
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

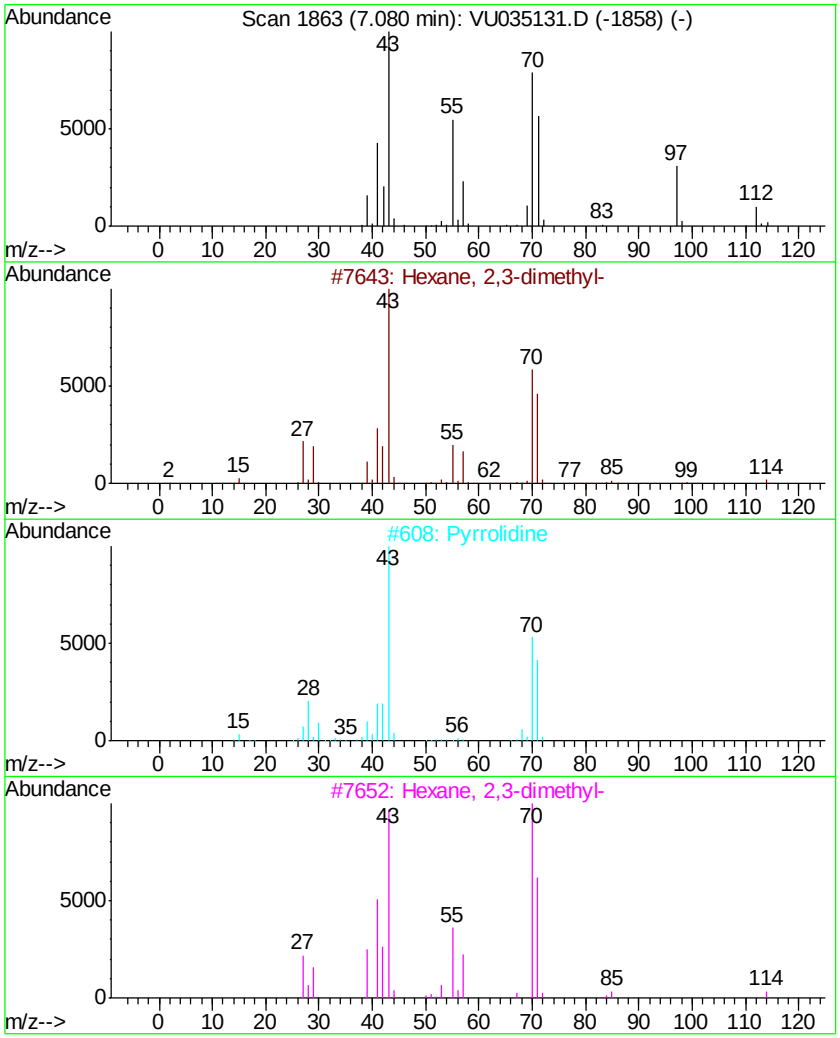
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

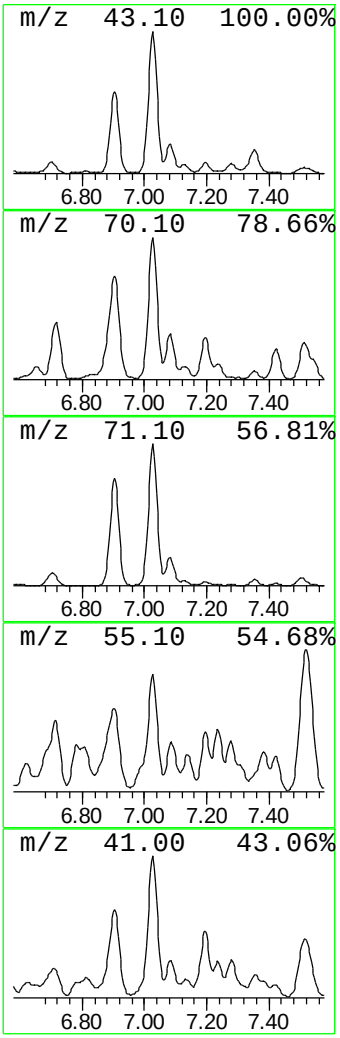
****

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	2.57 ug/L	222479	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	58
2	Pyrrolidine	71	C4H9N	000123-75-1	53
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
4	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	53
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

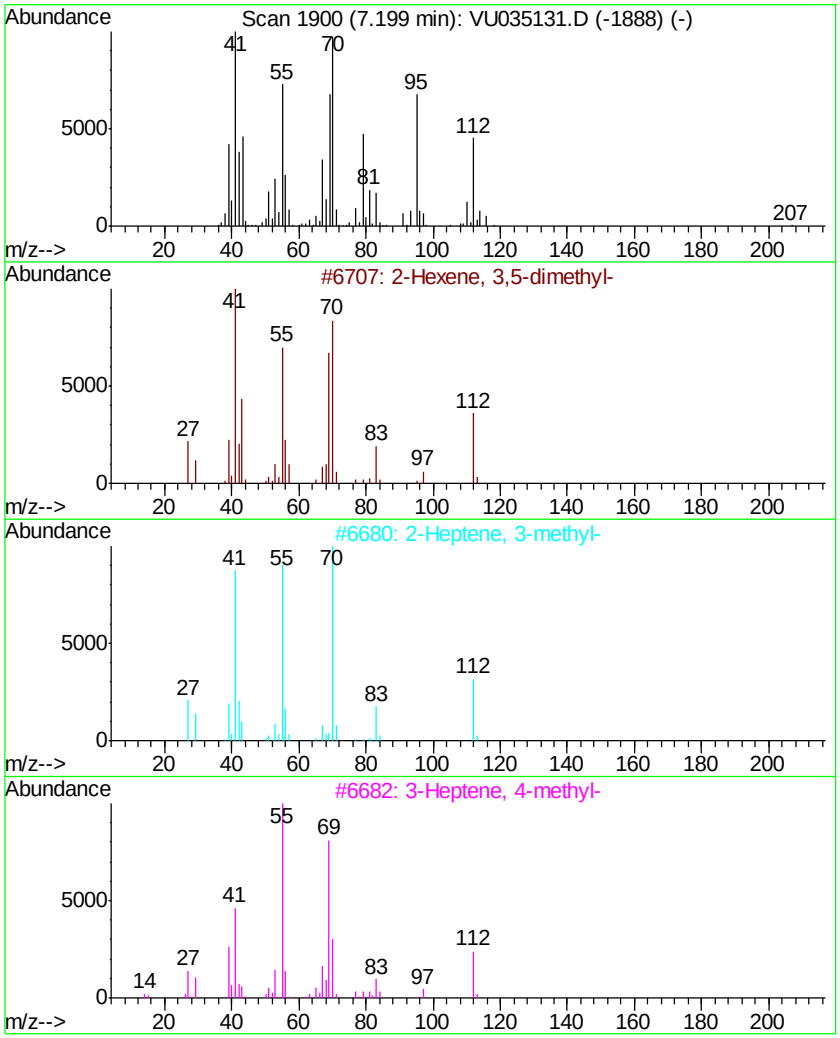
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

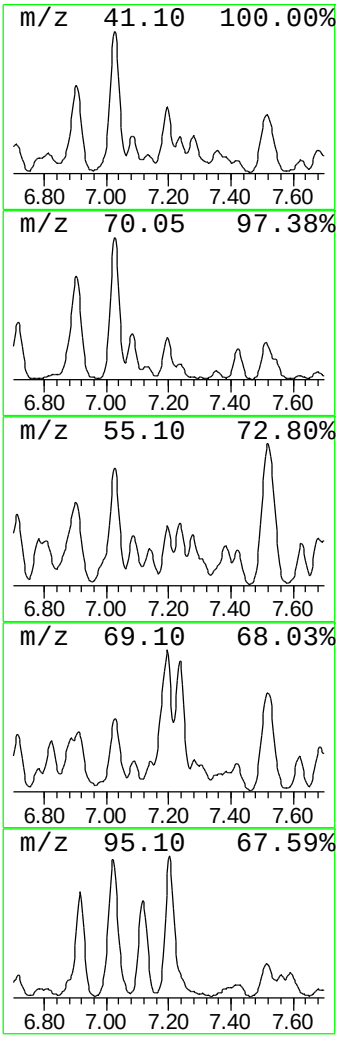
****

Peak Number 30 (DEL) Alkane: Cyclic7.20 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	6.72 ug/L	581208	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,5-dimethyl-	112	C8H16	003404-79-3	50
2	2-Heptene, 3-methyl-	112	C8H16	003404-75-9	38
3	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	38
4	2,3-Dimethyl-1-hexene	112	C8H16	016746-86-4	27
5	(E)-1,3-Butadien-1-ol	70	C4H6O	070411-98-2	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

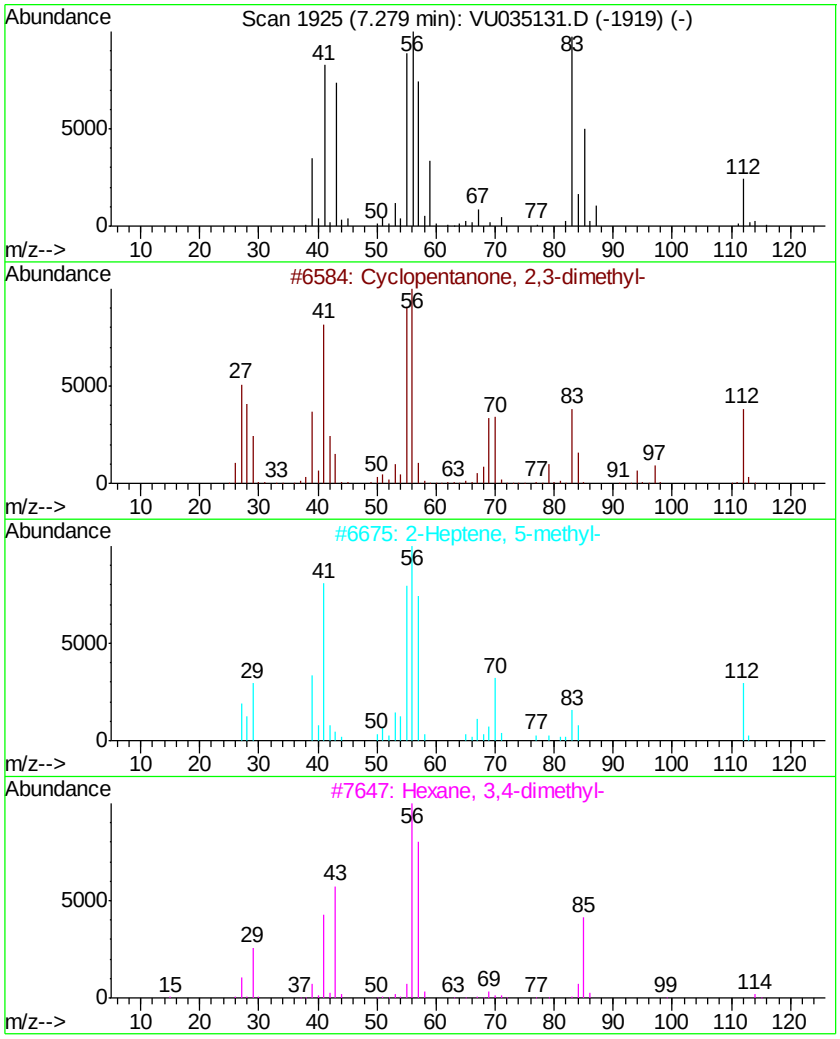
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

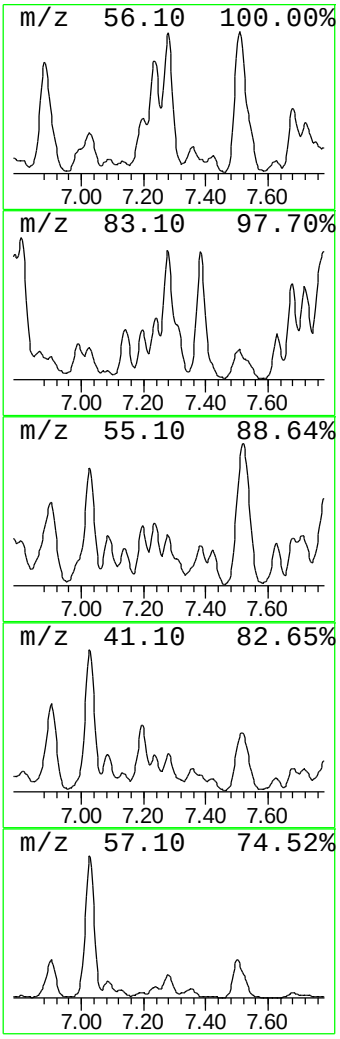
****

Peak Number 31 unknown-01 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	2.75 ug/L	237780	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,3-dimethyl-	112	C7H12O	1000151-06-7	47
2	2-Heptene, 5-methyl-	112	C8H16	022487-87-2	45
3	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	43
4	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	43
5	2-Heptene, 5-methyl-	112	C8H16	022487-87-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

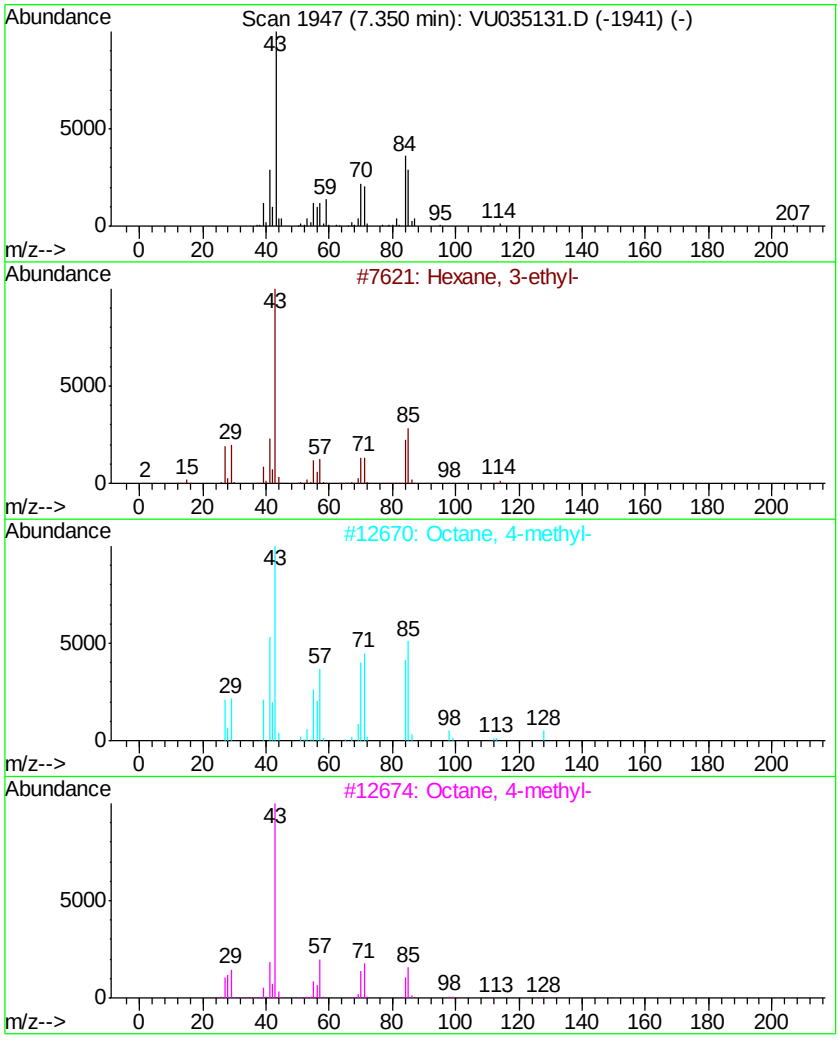
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

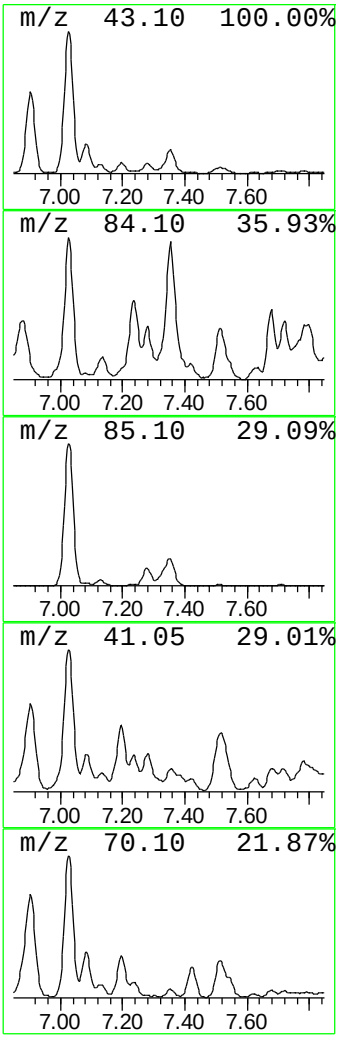
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	2.29 ug/L	198105	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
2	Octane, 4-methyl-	128	C9H20	002216-34-4	53
3	Octane, 4-methyl-	128	C9H20	002216-34-4	53
4	Octane, 4-methyl-	128	C9H20	002216-34-4	53
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

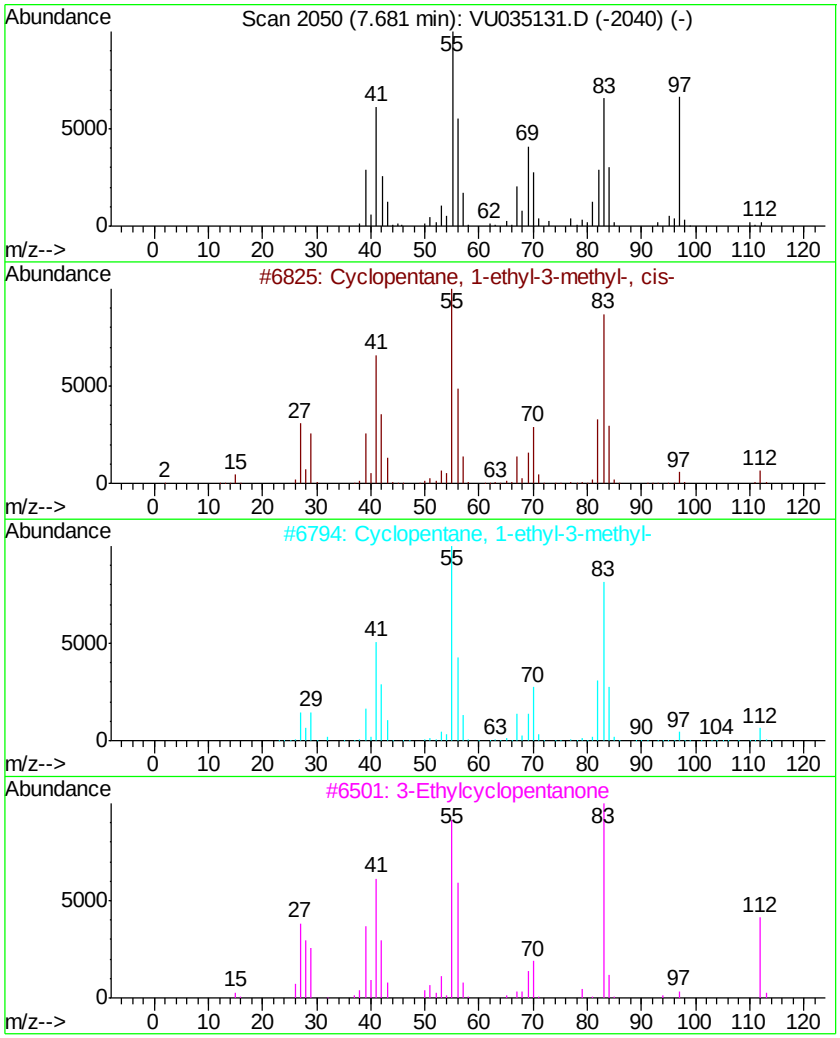
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

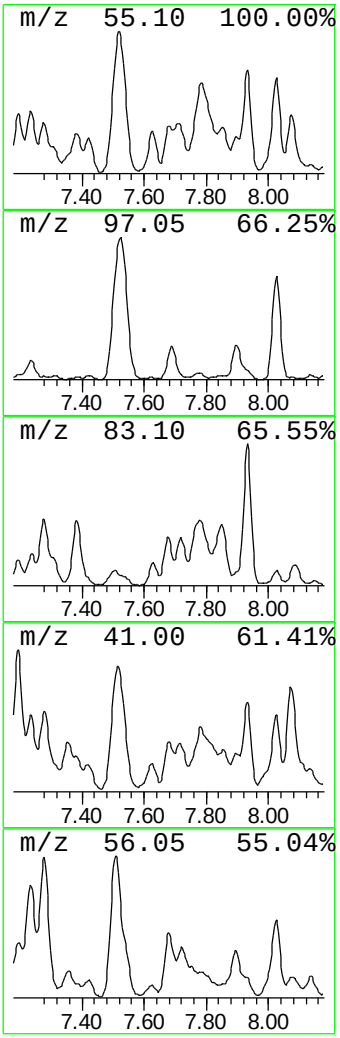
****

Peak Number 33 (DEL) Alkane: Cyclic7.68 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	2.04 ug/L	226971	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	59
2	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	59
3	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	43
4	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	35
5	Cyclopropane, pentyl-	112	C8H16	002511-91-3	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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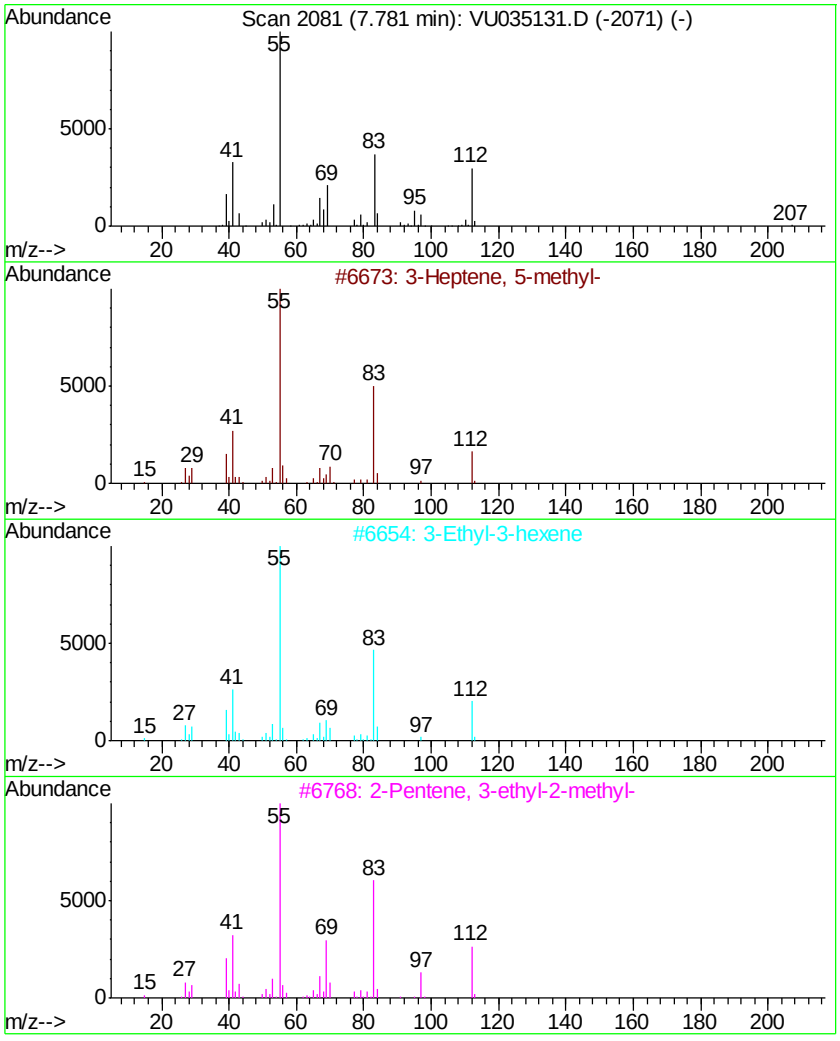
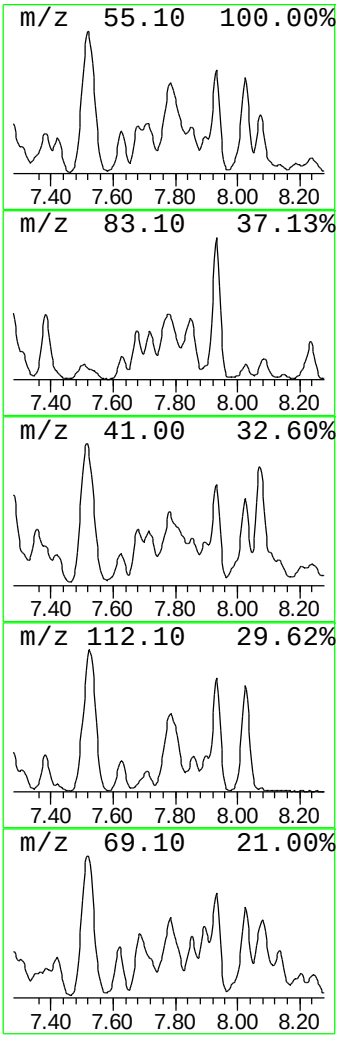
Peak Number 34 (DEL) Alkane: Cyclic7.78 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	1.97 ug/L	219028	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 5-methyl-	112	C8H16	013172-91-3	80
2	3-Ethyl-3-hexene	112	C8H16	016789-51-8	80
3	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	72
4	3-Heptene, 3-methyl-	112	C8H16	007300-03-0	72
5	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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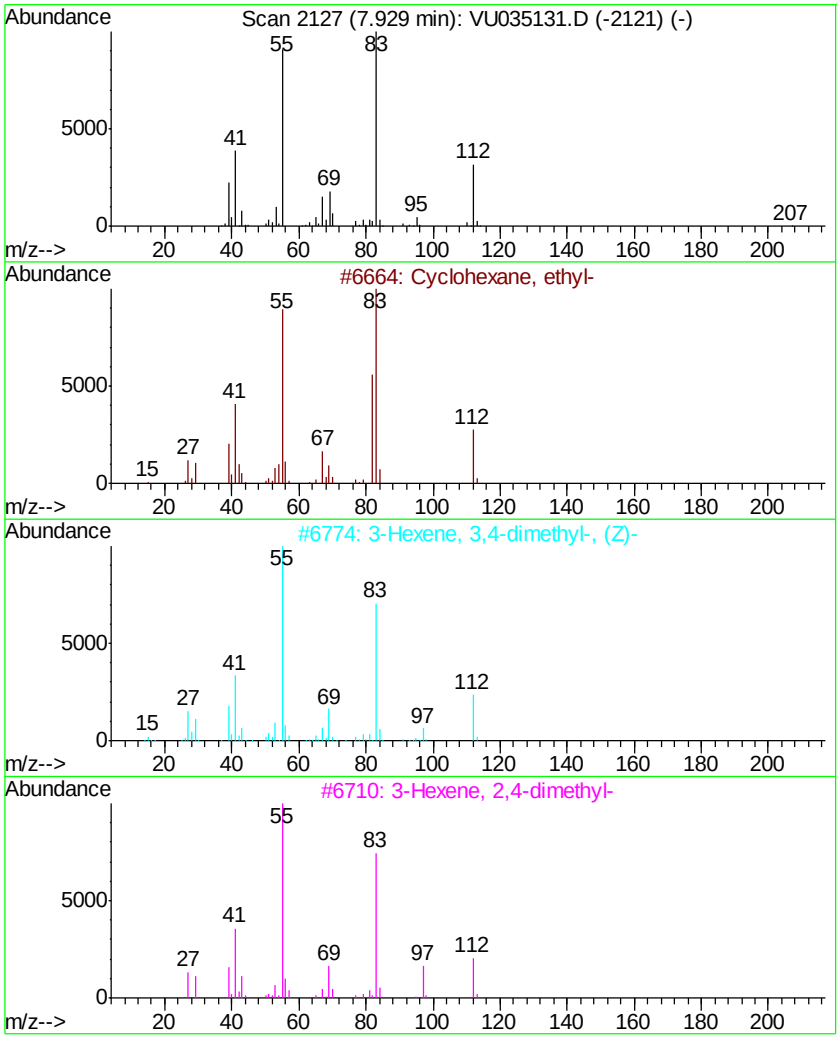
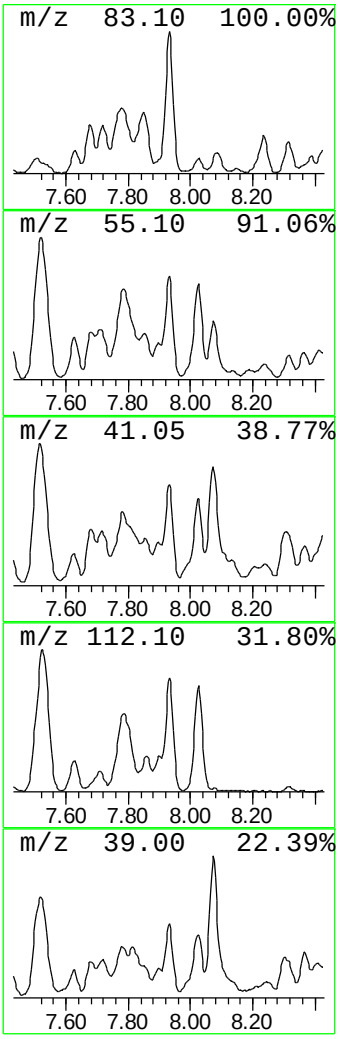
Peak Number 35 (DEL) Alkane: Cyclic7.93 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	3.50 ug/L	389404	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	3-Hexene, 3,4-dimethyl-, (Z)-	112	C8H16	019550-87-9	83
3	3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	78
4	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	78
5	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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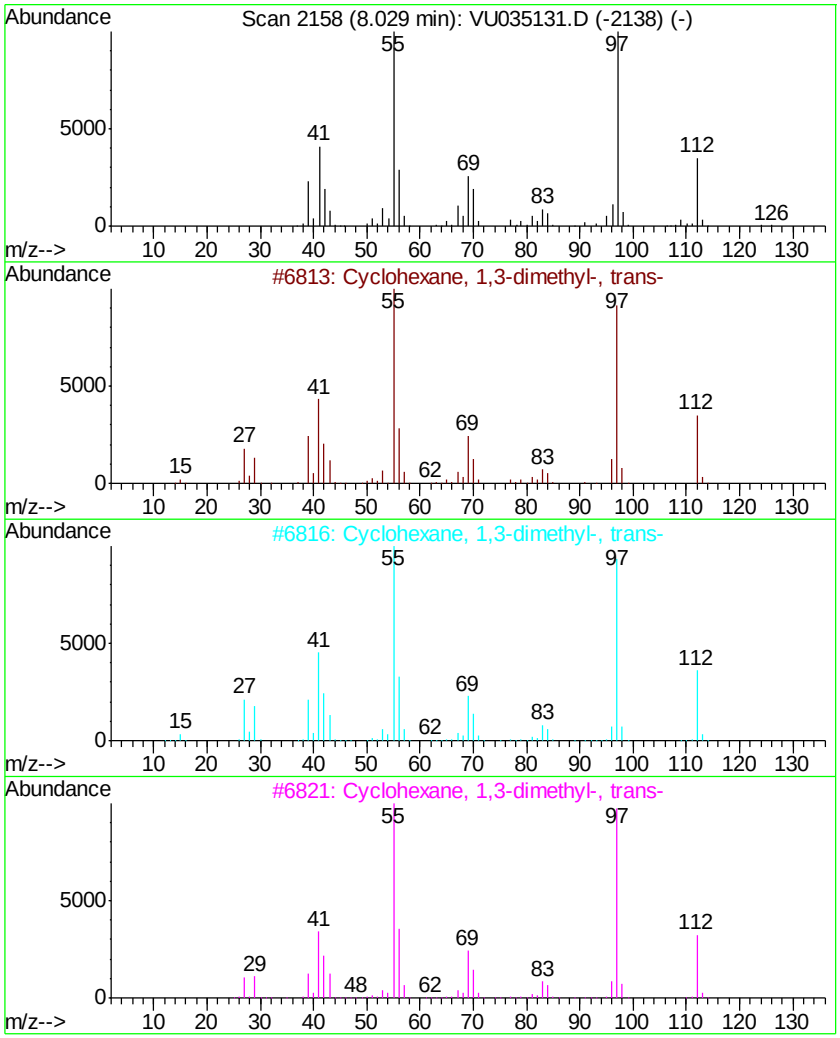
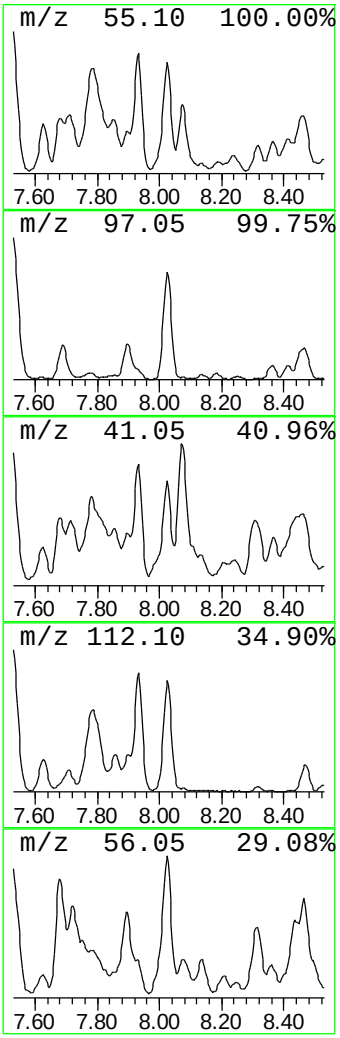
Peak Number 36 (DEL) Alkane: Cyclic8.03 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	4.41 ug/L	490260	Chlorobenzene-d5	9.07

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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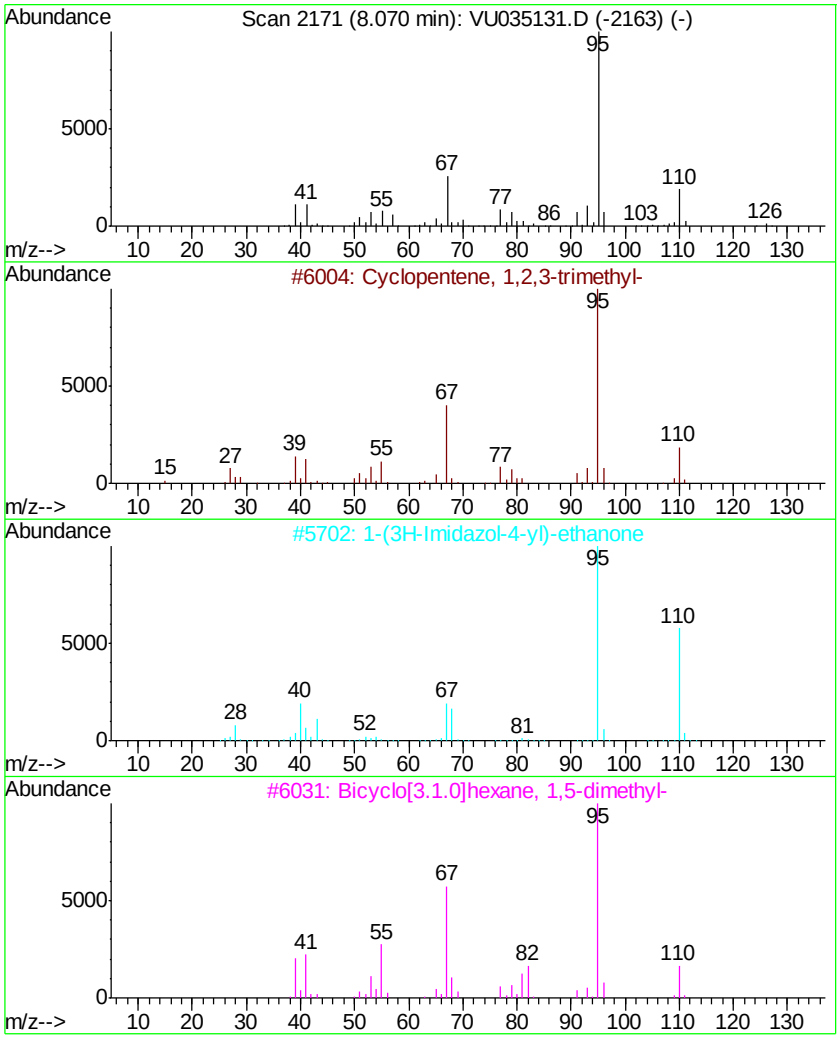
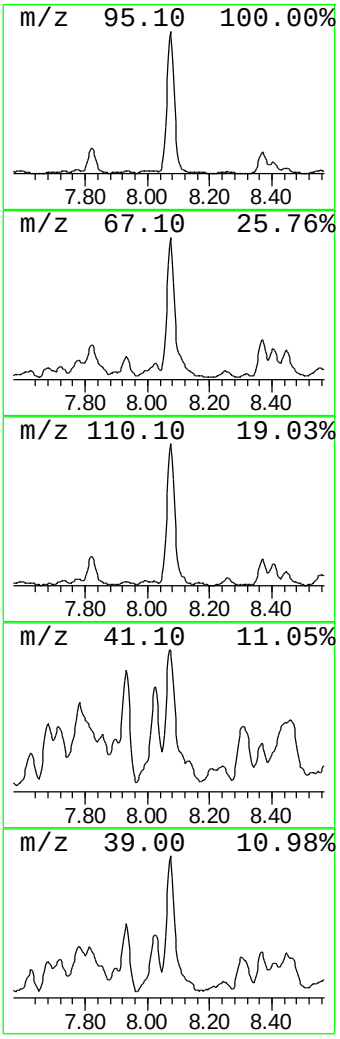
Peak Number 37 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	10.96 ug/L	1218690	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	91
2	1-(3H-Imidazol-4-yl)-ethanone	110	C5H6N2O	061985-25-9	72
3	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	72
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64
5	1,4-Pentadiene, 2,3,4-trimethyl-	110	C8H14	072014-90-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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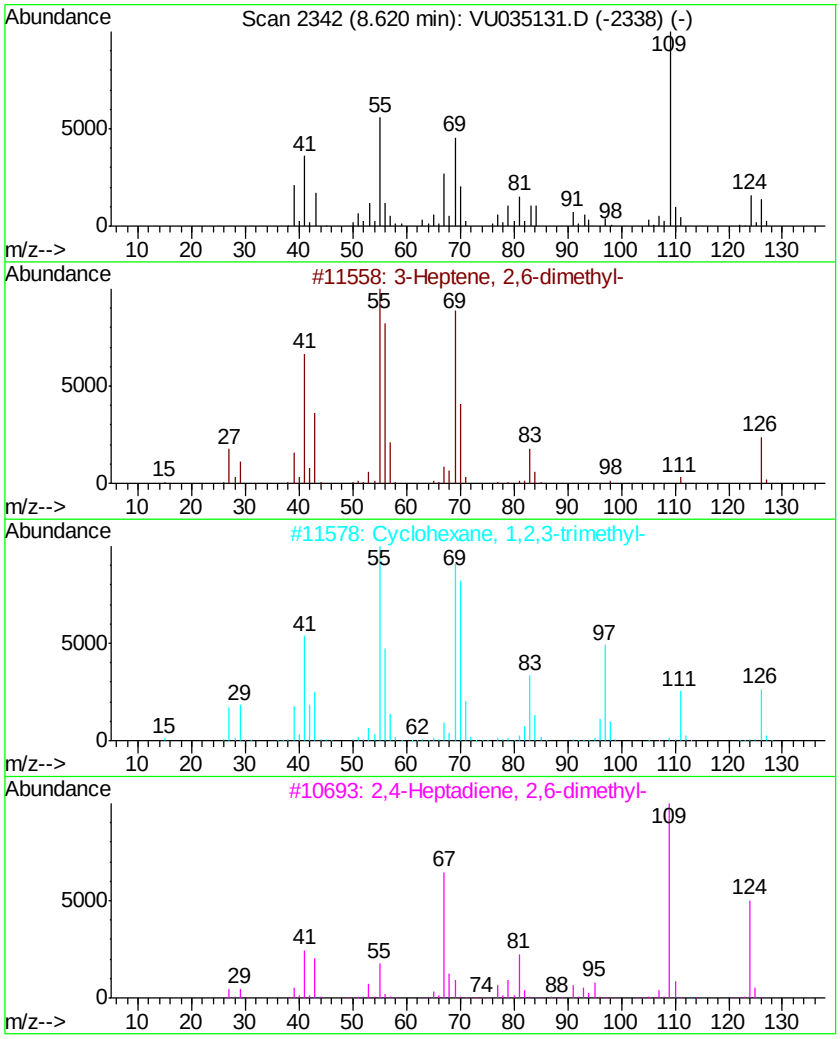
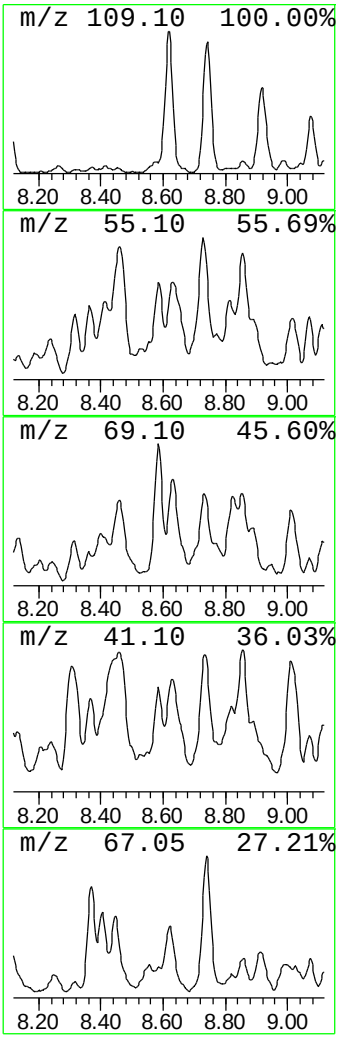
Peak Number 39 (DEL) Alkane: Cyclic8.62 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	3.01 ug/L	335011	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	43
2	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	38
3	2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	38
4	2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	38
5	Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

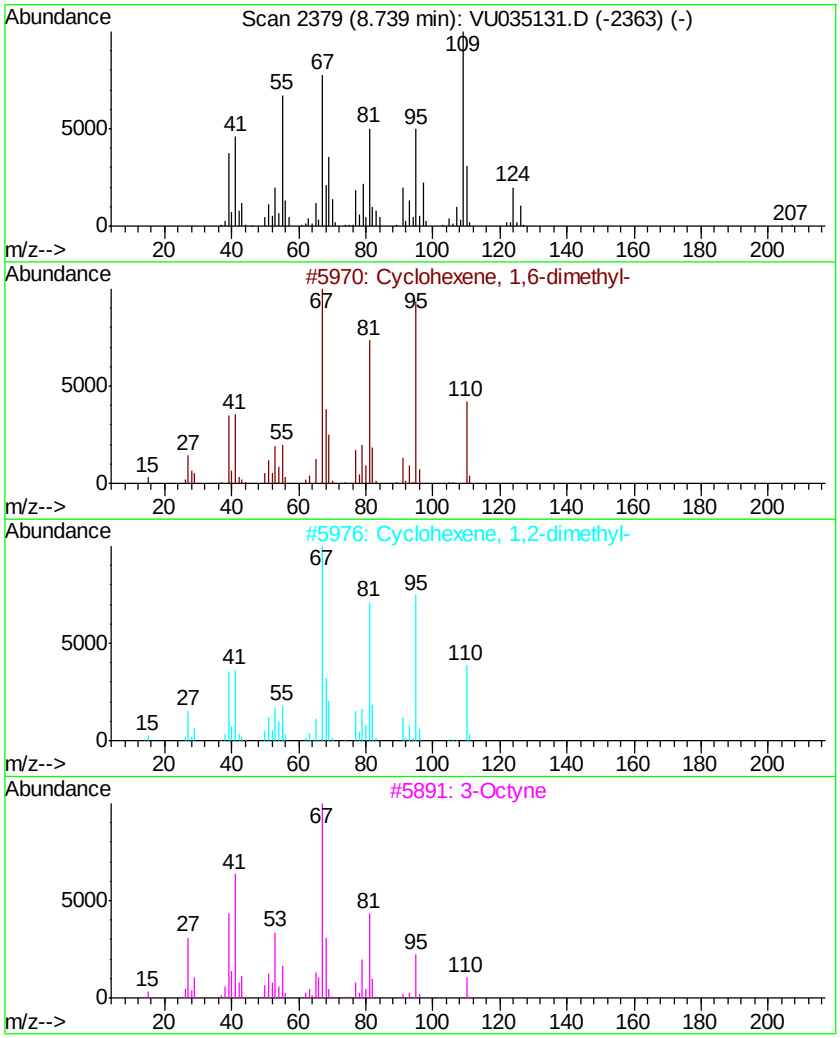
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

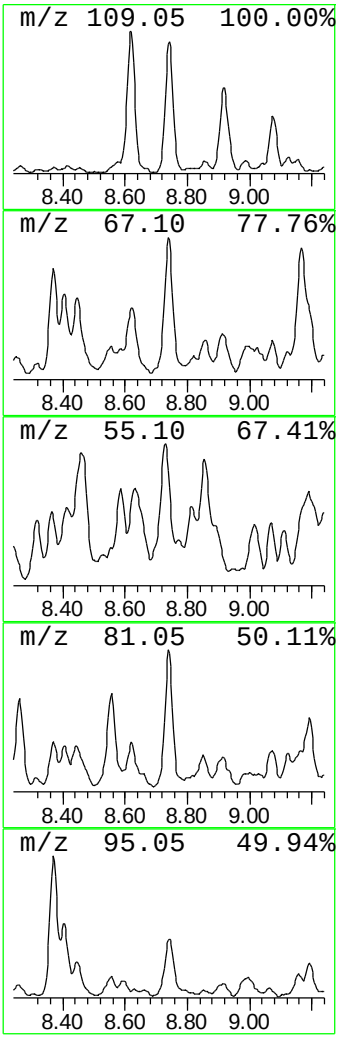
****

Peak Number 40 Cyclohexene, 1,6-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	4.22 ug/L	469625	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	86
2	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	50
3	3-Octyne	110	C8H14	015232-76-5	50
4	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	46
5	2-Cyclopentene-1-carboxylic acid...	154	C9H14O2	006894-69-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

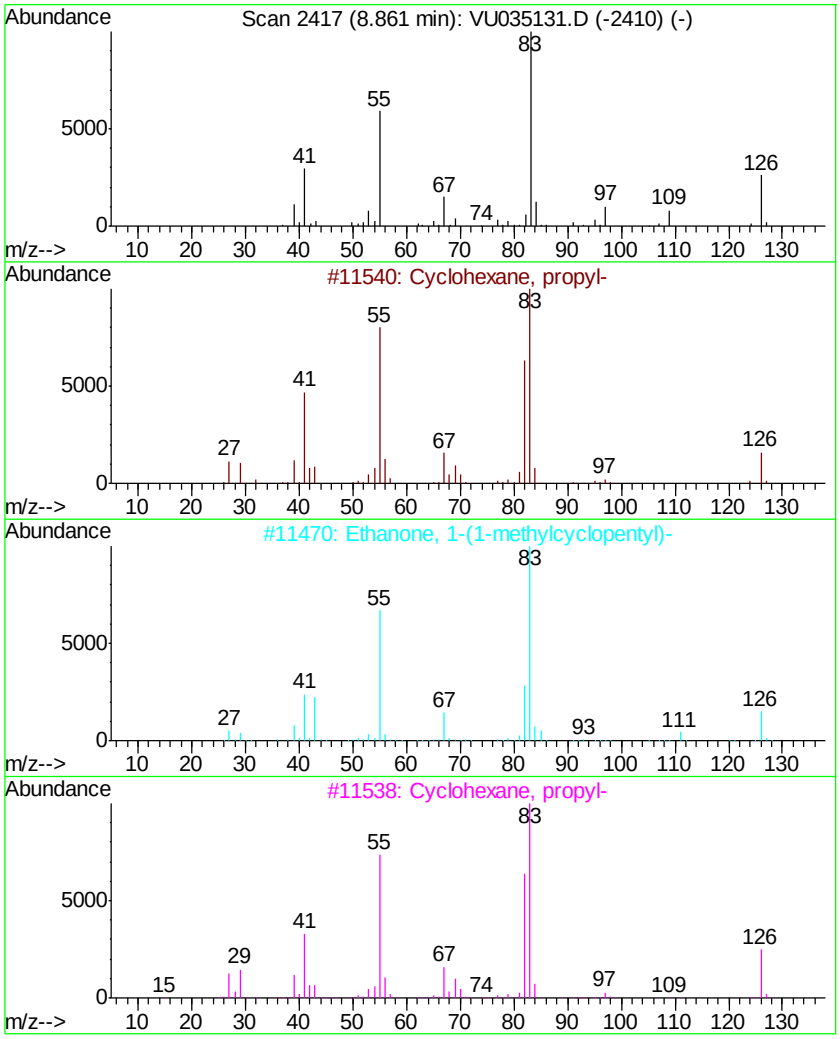
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

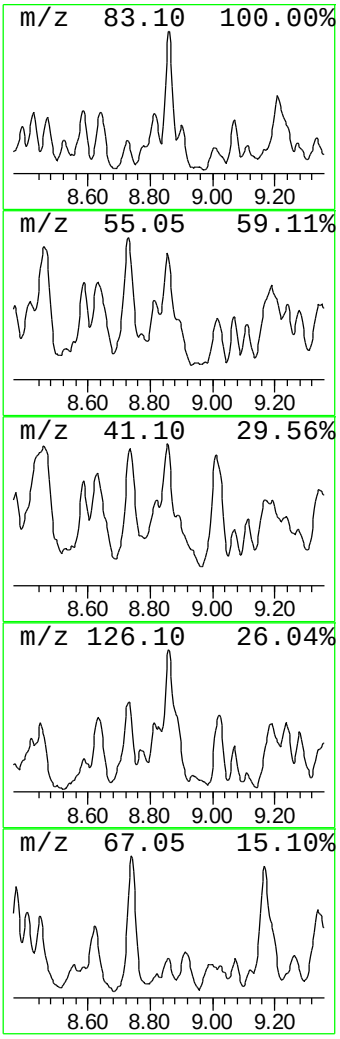
****

Peak Number 41 (DEL) Alkane: Cyclic8.86 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	1.15 ug/L	128251	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
2	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	59
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
4	Cyclopentanone, 2,4,4-trimethyl-	126	C8H14O	004694-12-6	53
5	2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

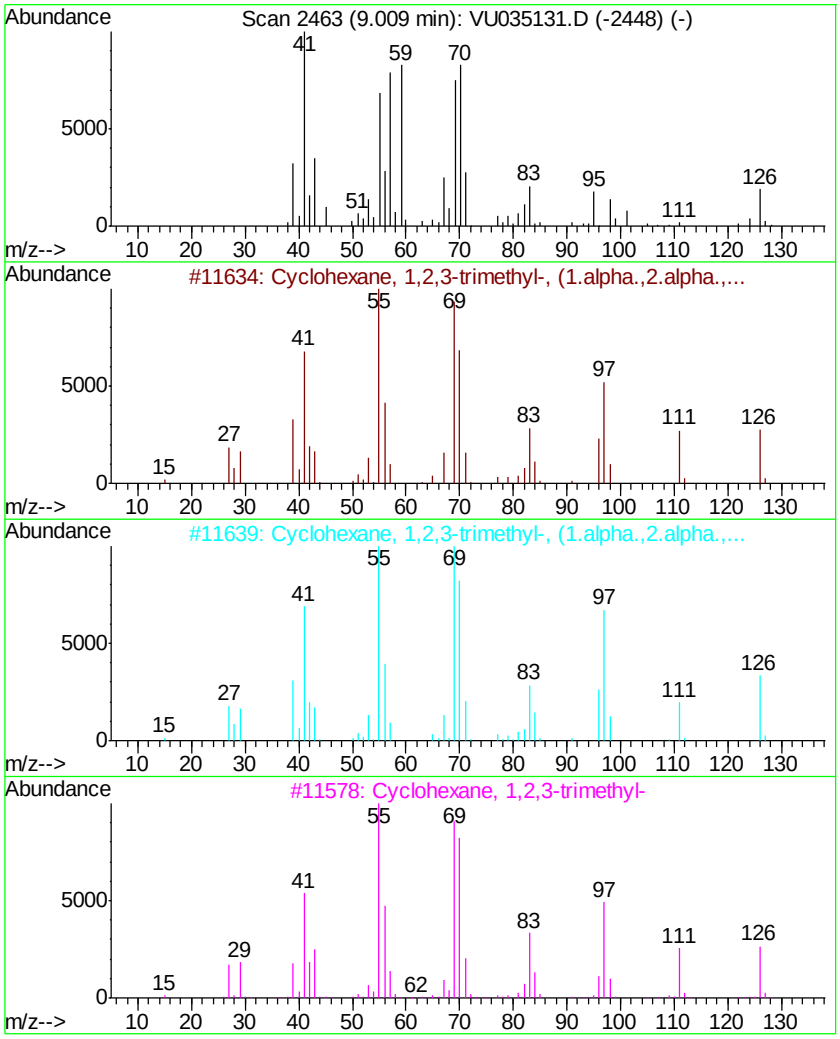
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

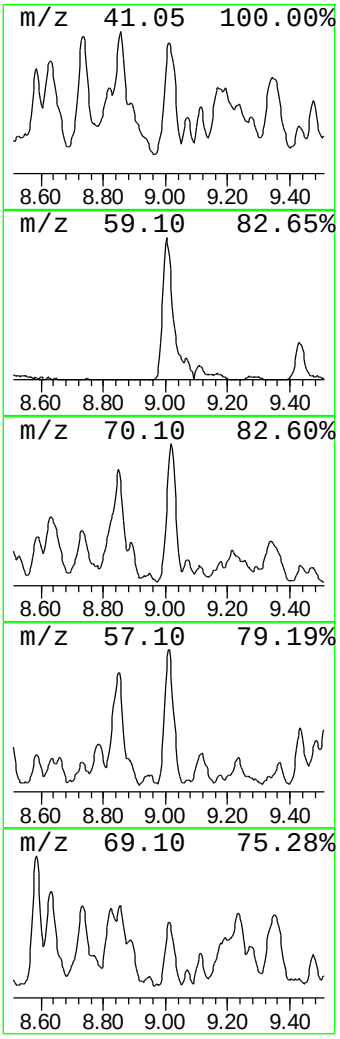
****

Peak Number 42 (DEL) Alkane: Cyclic9.01 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	2.39 ug/L	266091	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	46
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	43
3	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	43
4	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	43
5	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

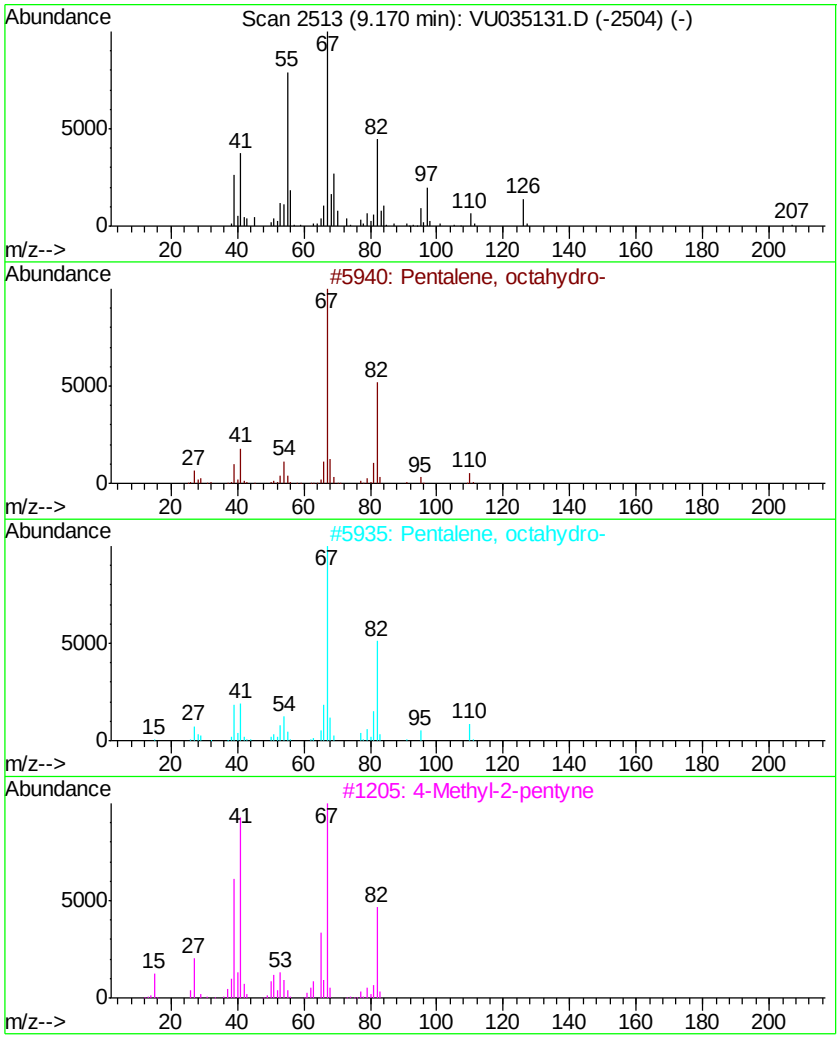
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

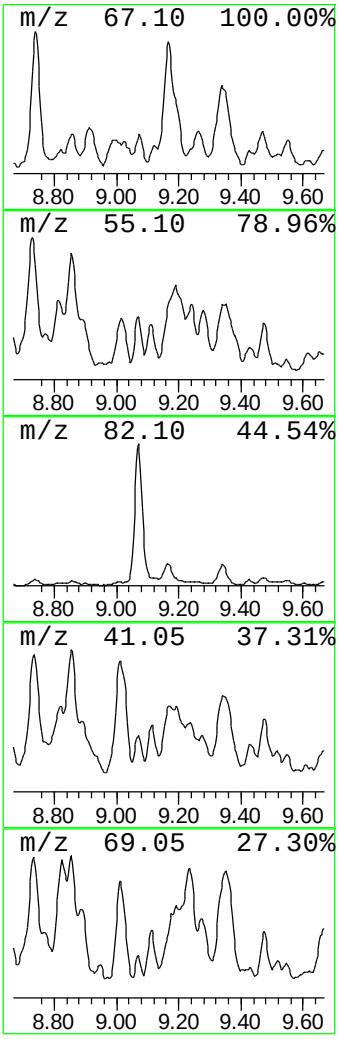
****

Peak Number 43 Pentalene, octahydro- Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	1.03 ug/L	114229	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	59
2	Pentalene, octahydro-	110	C8H14	000694-72-4	58
3	4-Methyl-2-pentyne	82	C6H10	021020-27-9	53
4	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	53
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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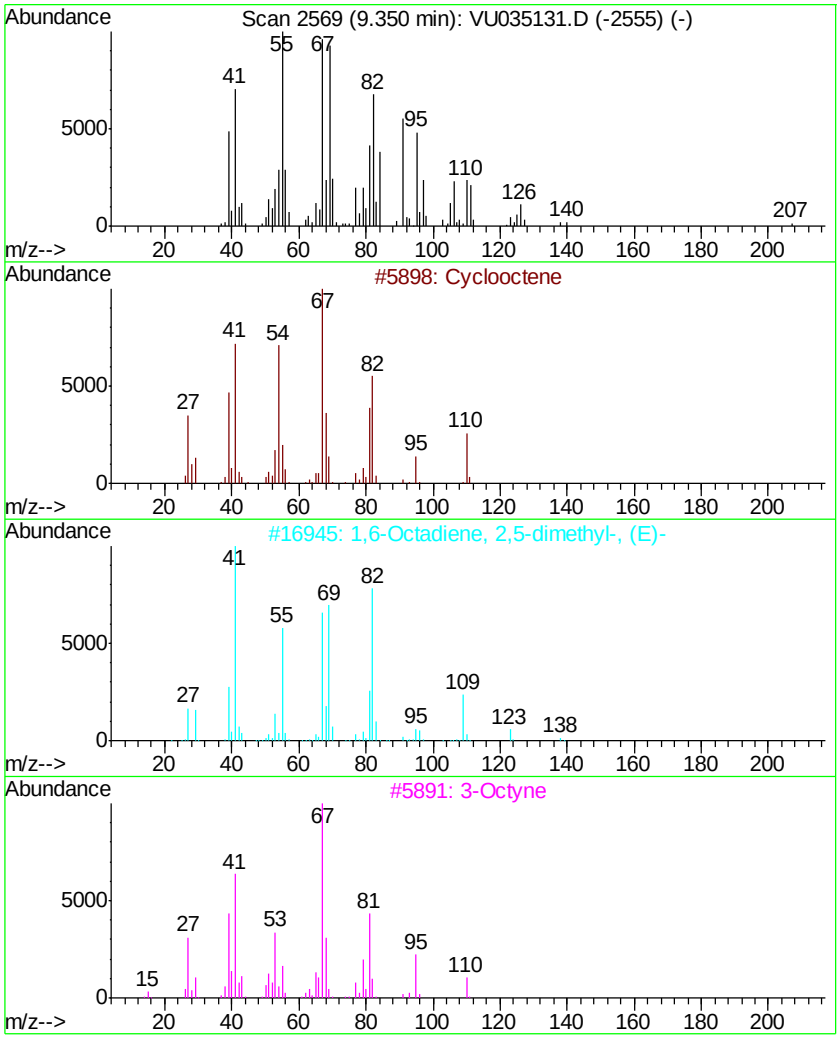
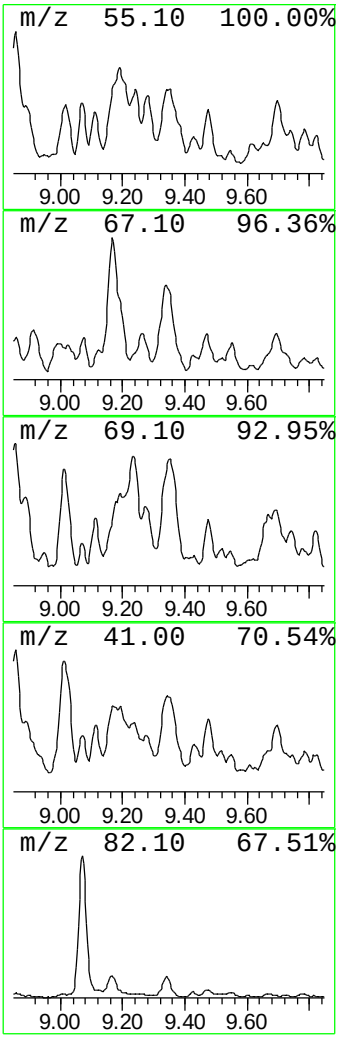
Peak Number 44 unknown-02 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	3.74 ug/L	416316	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene	110	C8H14	000931-88-4	38
2	1,6-Octadiene, 2,5-dimethyl-, (E)-	138	C10H18	068702-25-0	38
3	3-Octyne	110	C8H14	015232-76-5	38
4	3-Hexyne	82	C6H10	000928-49-4	30
5	1,3-Butadiene, 2,3-dimethyl-	82	C6H10	000513-81-5	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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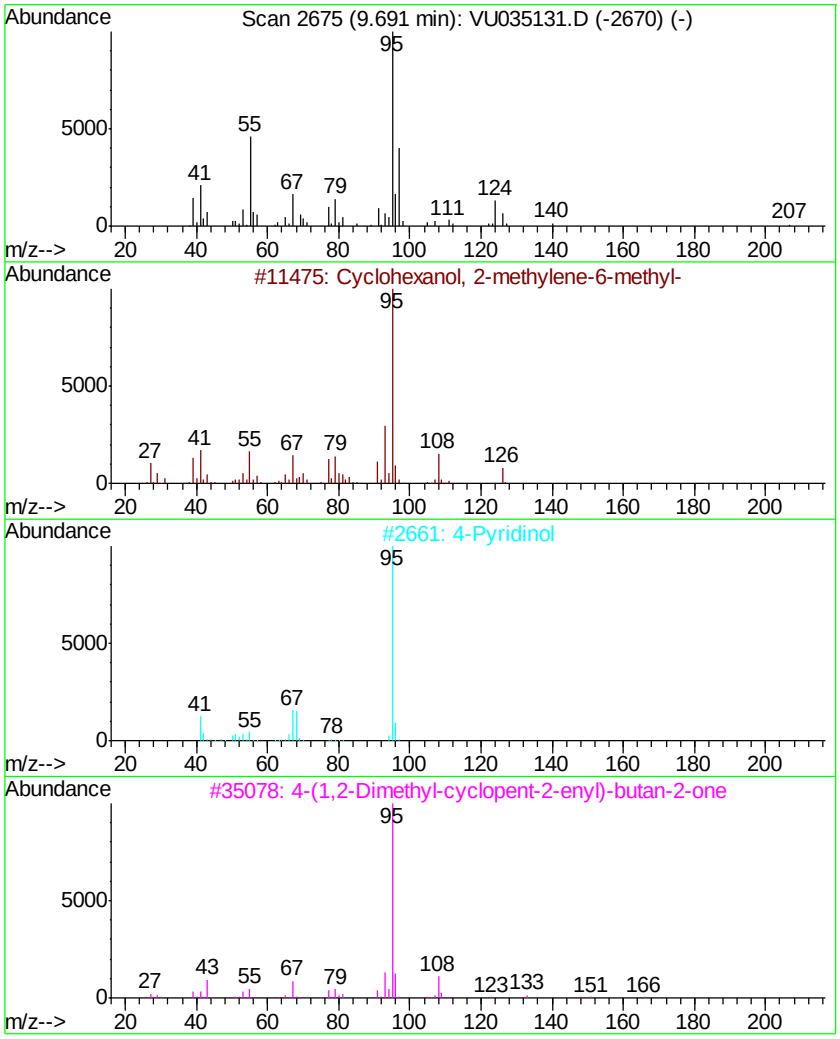
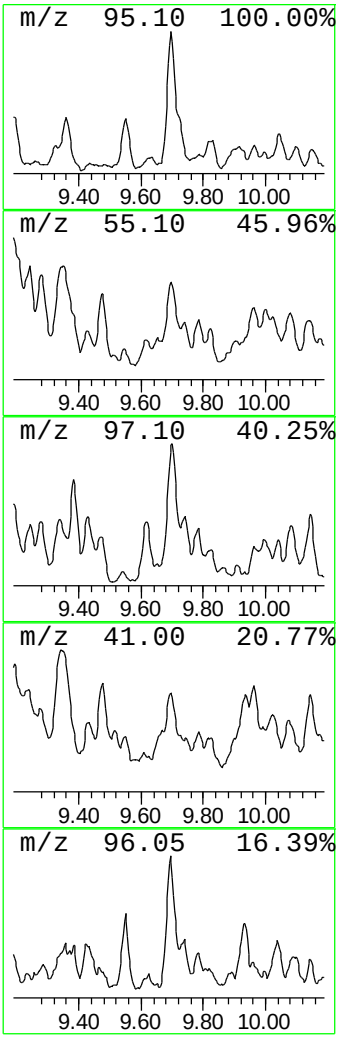
Peak Number 45 Cyclohexanol, 2-methylene-6... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	1.57 ug/L	174533	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 2-methylene-6-methyl-	126	C8H14O	1000196-32-3	50
2	4-Pyridinol	95	C5H5NO	000626-64-2	43
3	4-(1,2-Dimethyl-cyclopent-2-enyl...	166	C11H18O	075698-06-5	40
4	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	37
5	1,2-Dimethyl-cyclopent-2-enecarb...	140	C8H12O2	1000190-58-1	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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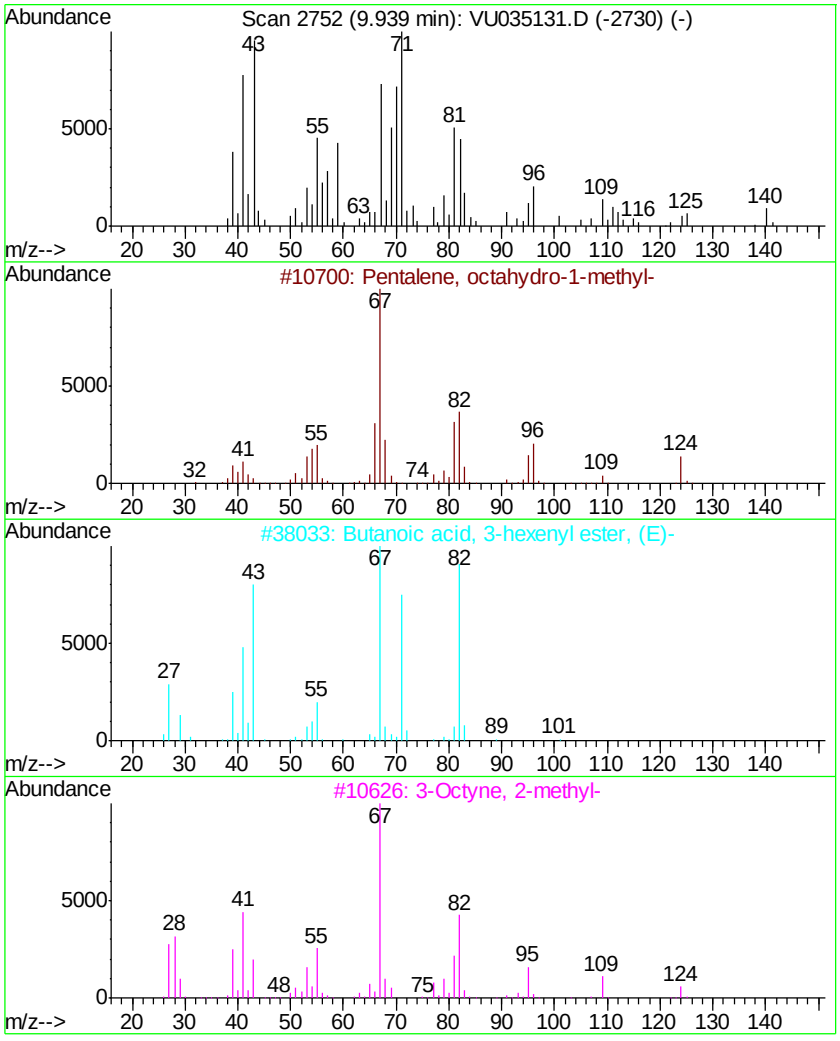
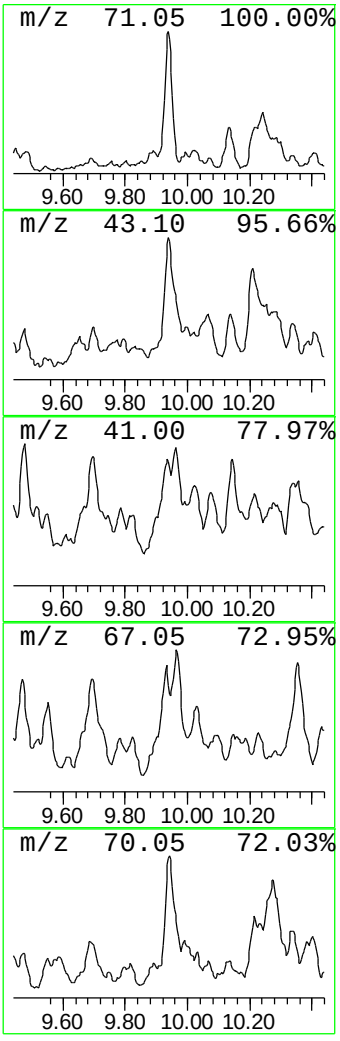
Peak Number 46 unknown-03 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	1.47 ug/L	163172	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	41
2	Butanoic acid, 3-hexenyl ester, ...	170	C10H18O2	053398-84-8	35
3	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	30
4	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	25
5	3-Octyne, 5-methyl-	124	C9H16	062108-33-2	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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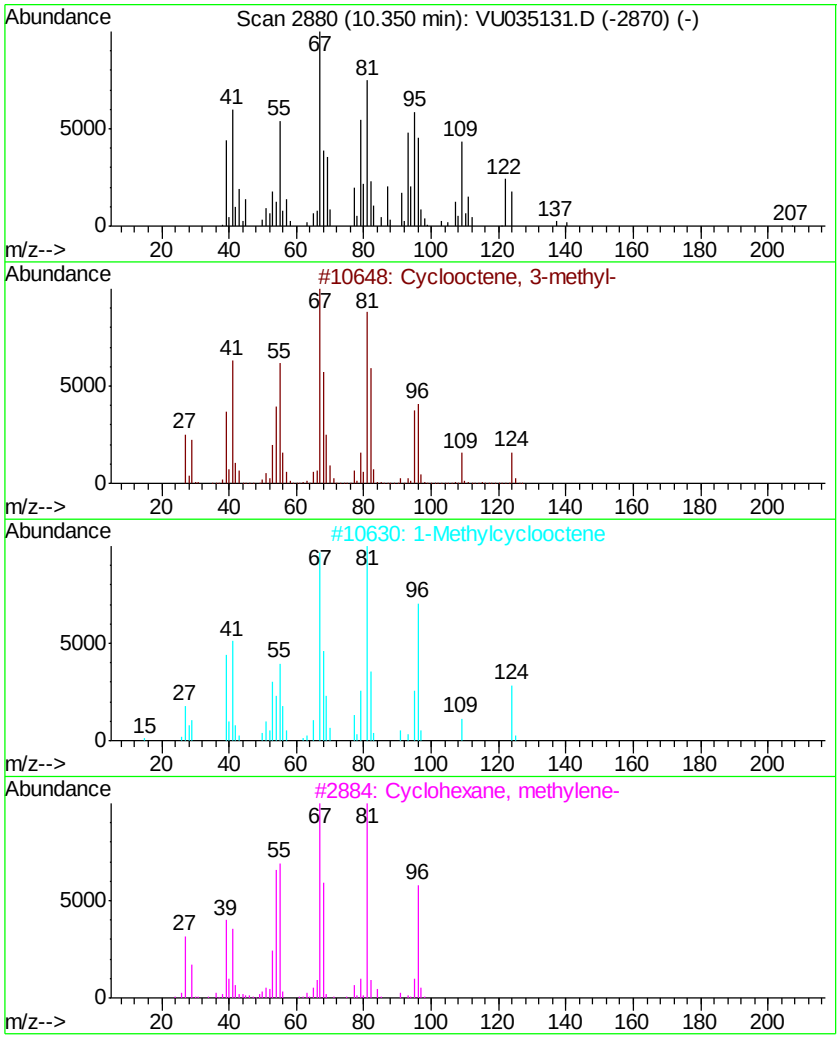
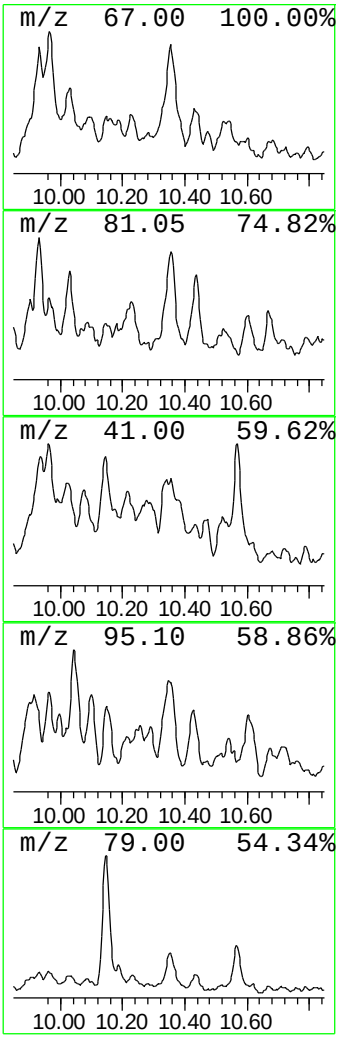
Peak Number 47 unknown-04 Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	0.92 ug/L	106036	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	46
2	1-Methylcyclooctene	124	C9H16	000933-11-9	42
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	30
4	Cyclopentane, (2-methyl-1-propen...	124	C9H16	053366-57-7	30
5	2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

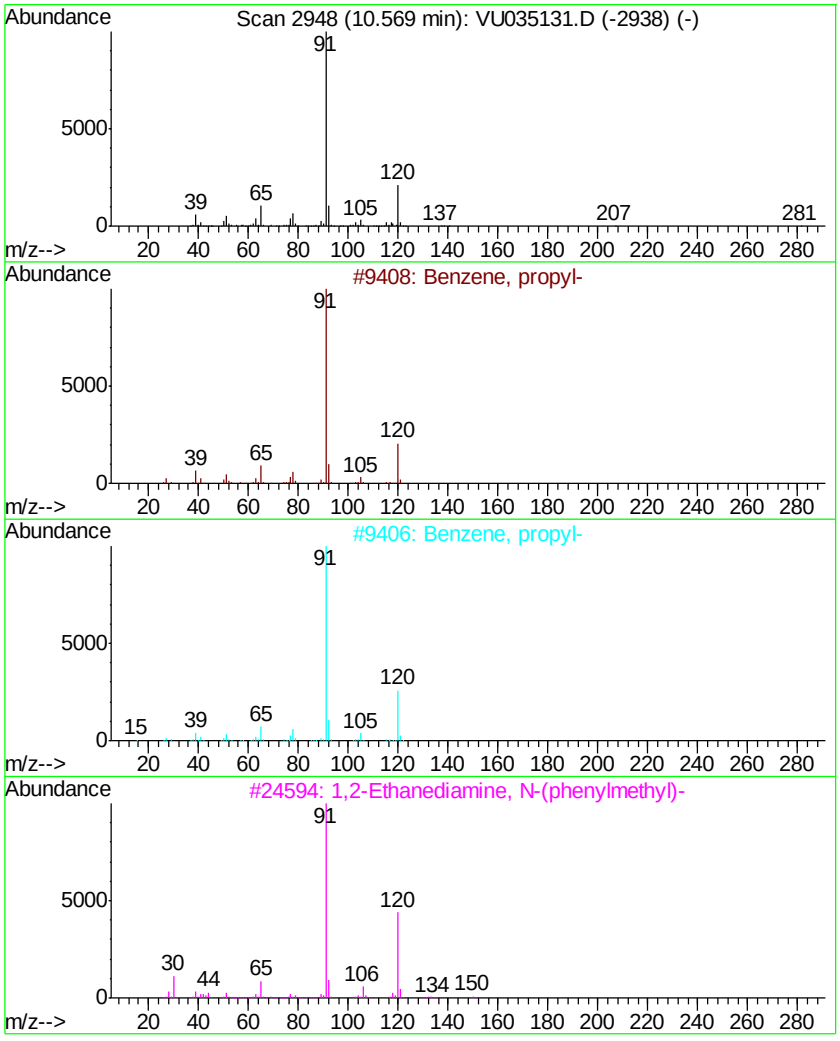
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

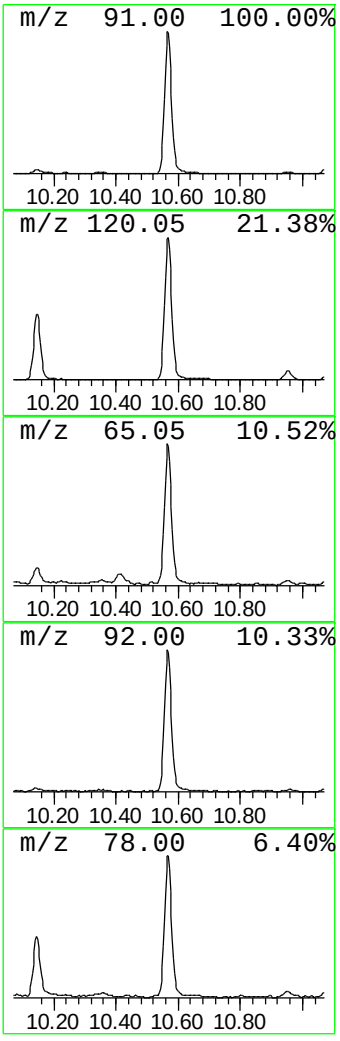
****

Peak Number 48 Benzene, propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	6.95 ug/L	800581	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	80
3	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	78
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	78
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

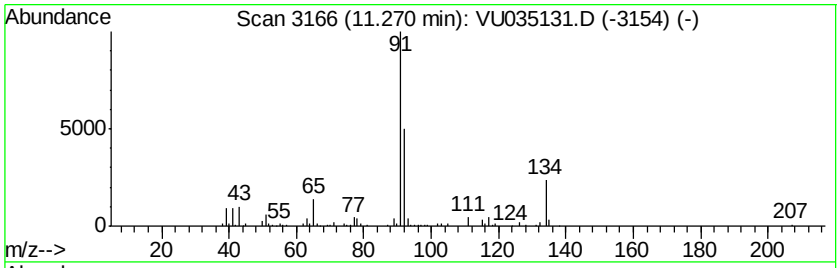
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

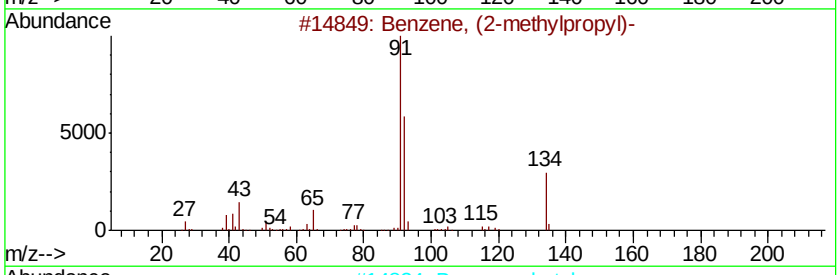
****

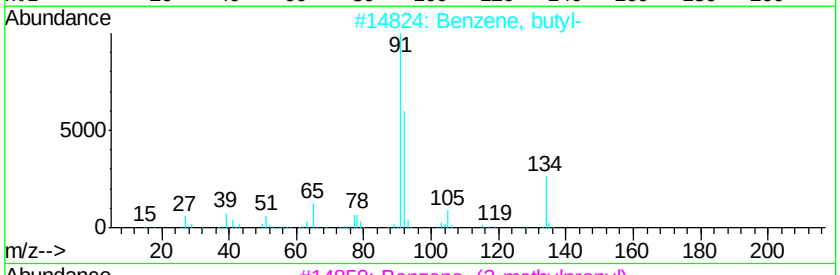
Peak Number 49 Benzene, (2-methylpropyl)- Concentration Rank 76

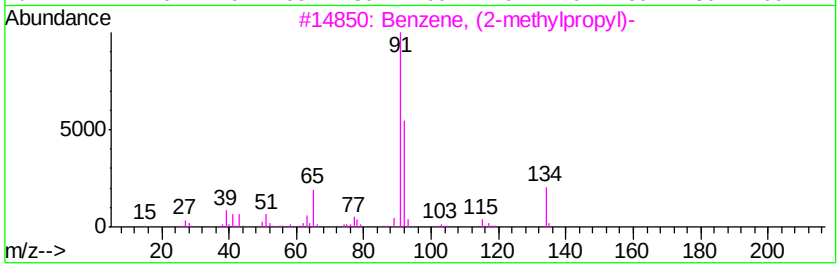
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	0.93 ug/L	107196	1,4-Dichlorobenzene-d4	11.46

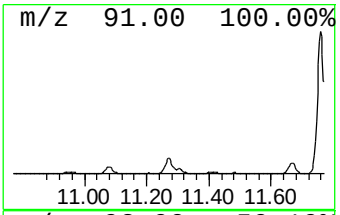
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
2	Benzene, butyl-	134	C10H14	000104-51-8	80
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	72
4	Benzene, butyl-	134	C10H14	000104-51-8	72
5	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	64

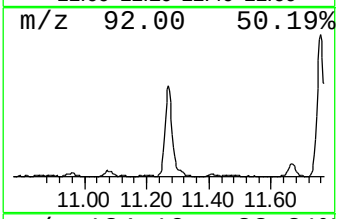


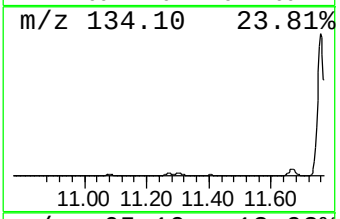


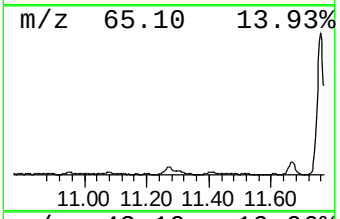


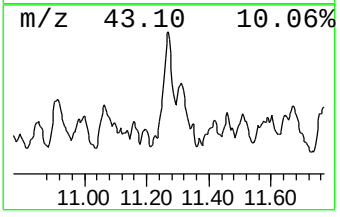












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

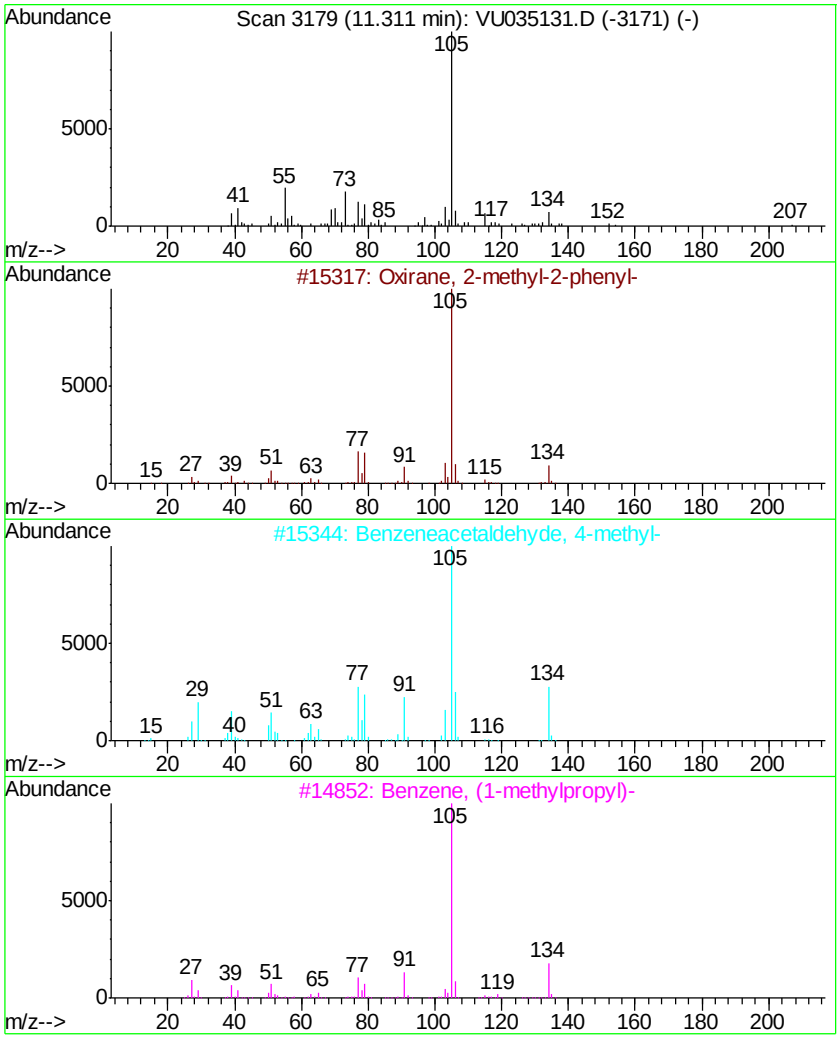
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

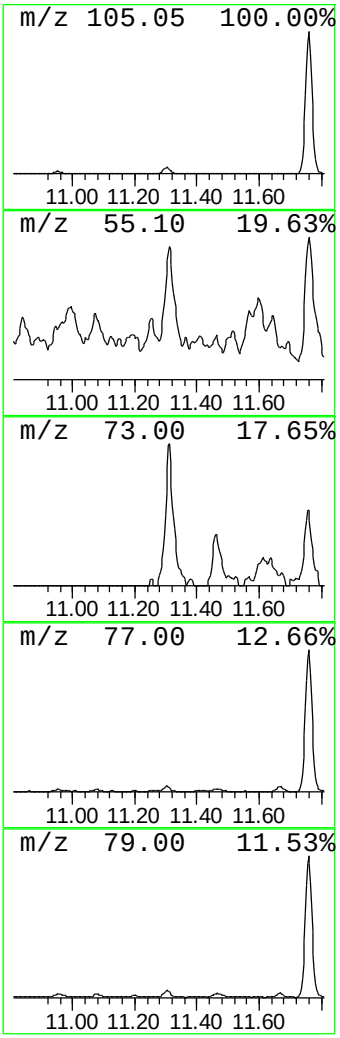
****

Peak Number 50 Oxirane, 2-methyl-2-phenyl- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	1.39 ug/L	160113	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	80
2	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	72
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	68
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

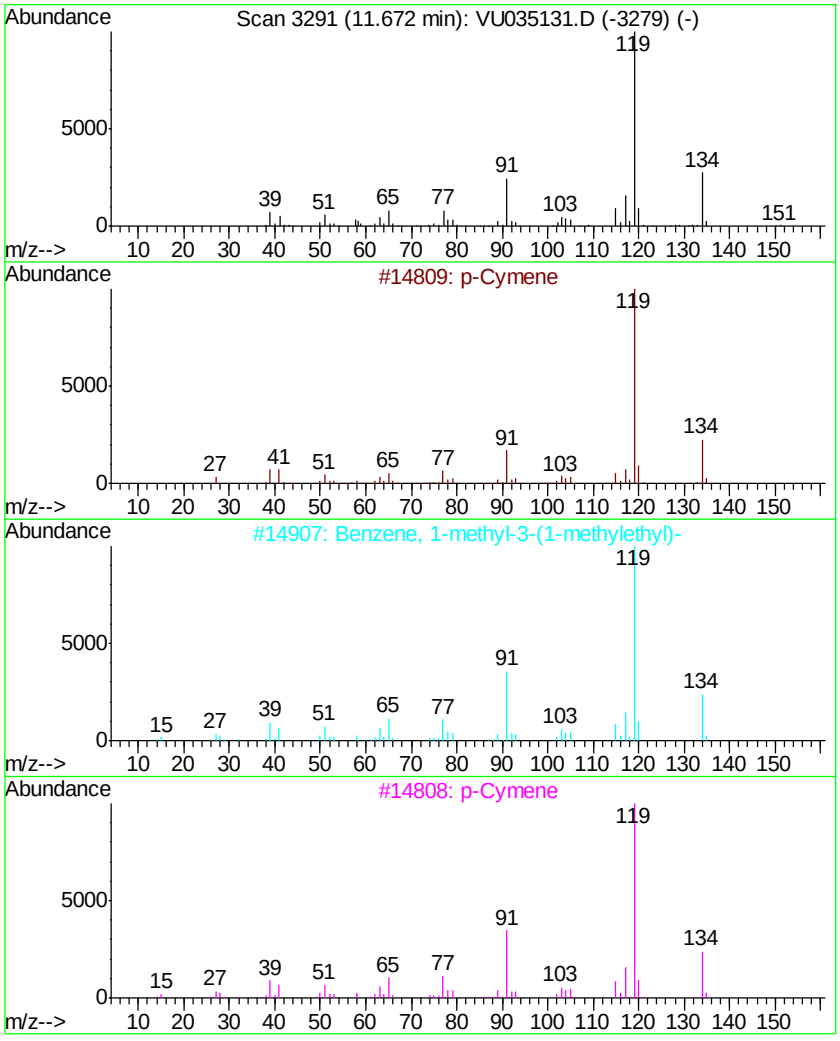
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

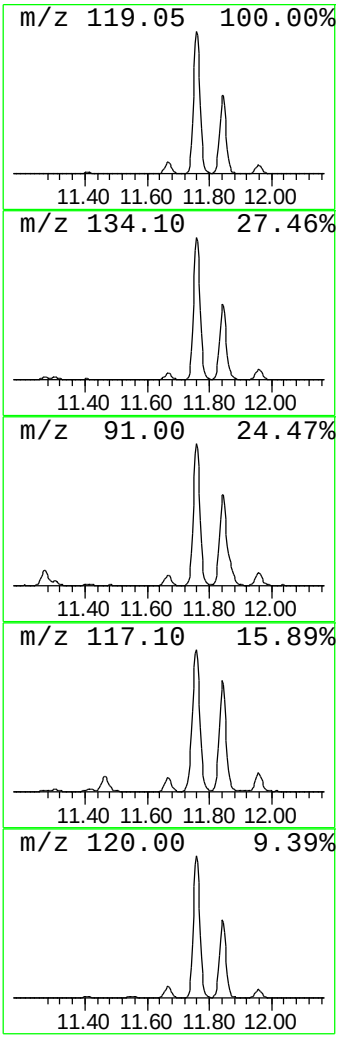
****

Peak Number 51 p-Cymene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	2.28 ug/L	261963	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

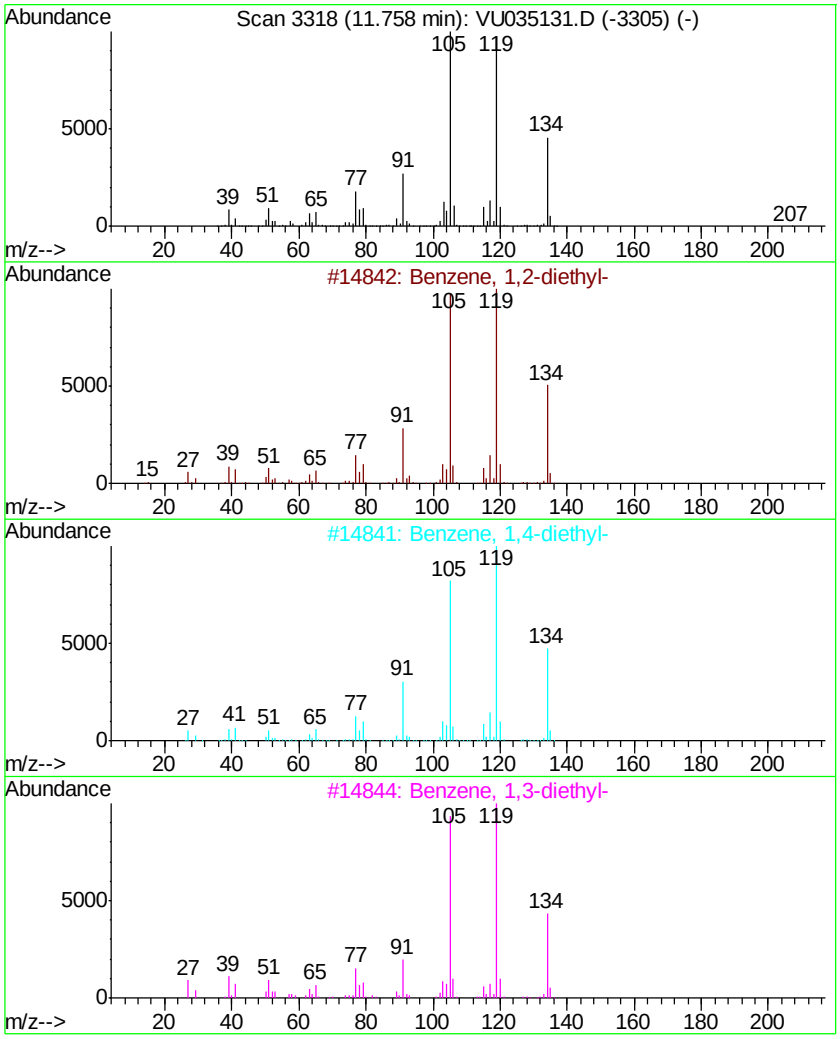
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

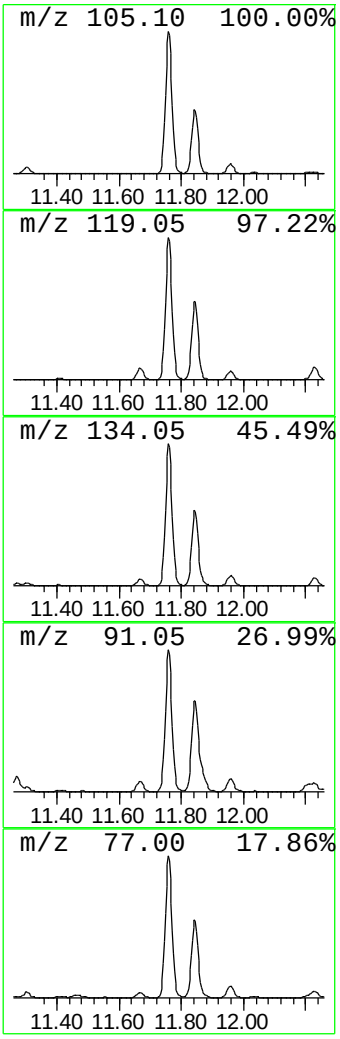
****

Peak Number 52 Benzene, 1,2-diethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	41.44 ug/L	4771370	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

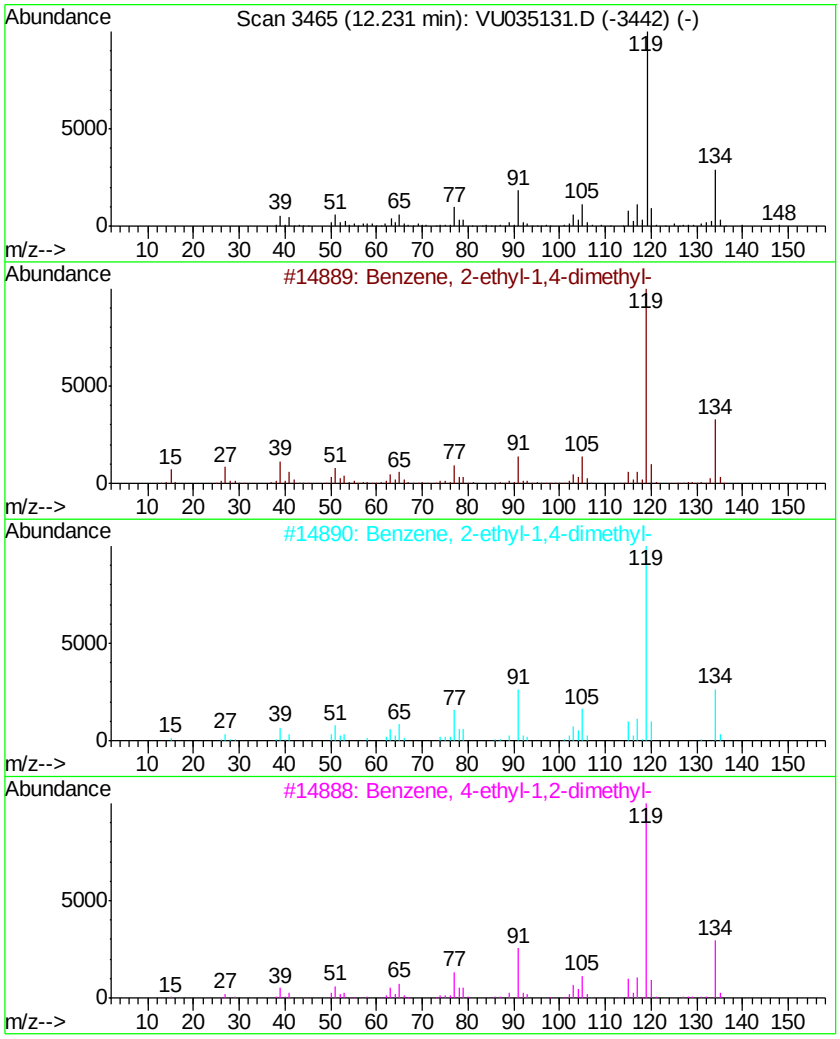
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

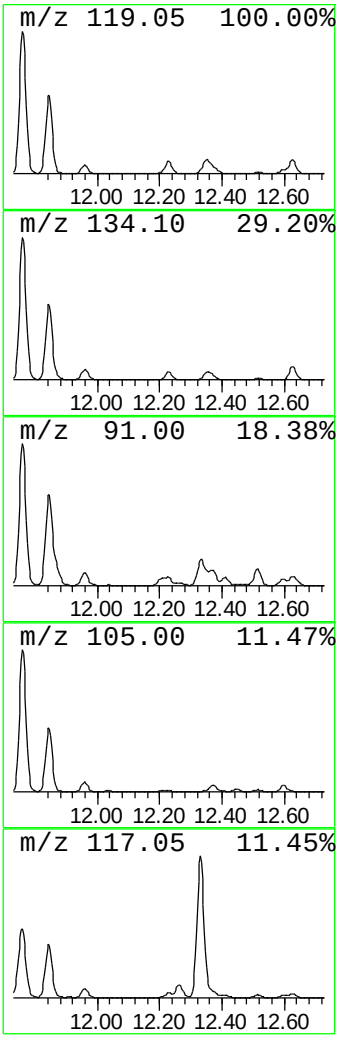
****

Peak Number 54 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	2.97 ug/L	341526	1,4-Dichlorobenzene-d4	11.46

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

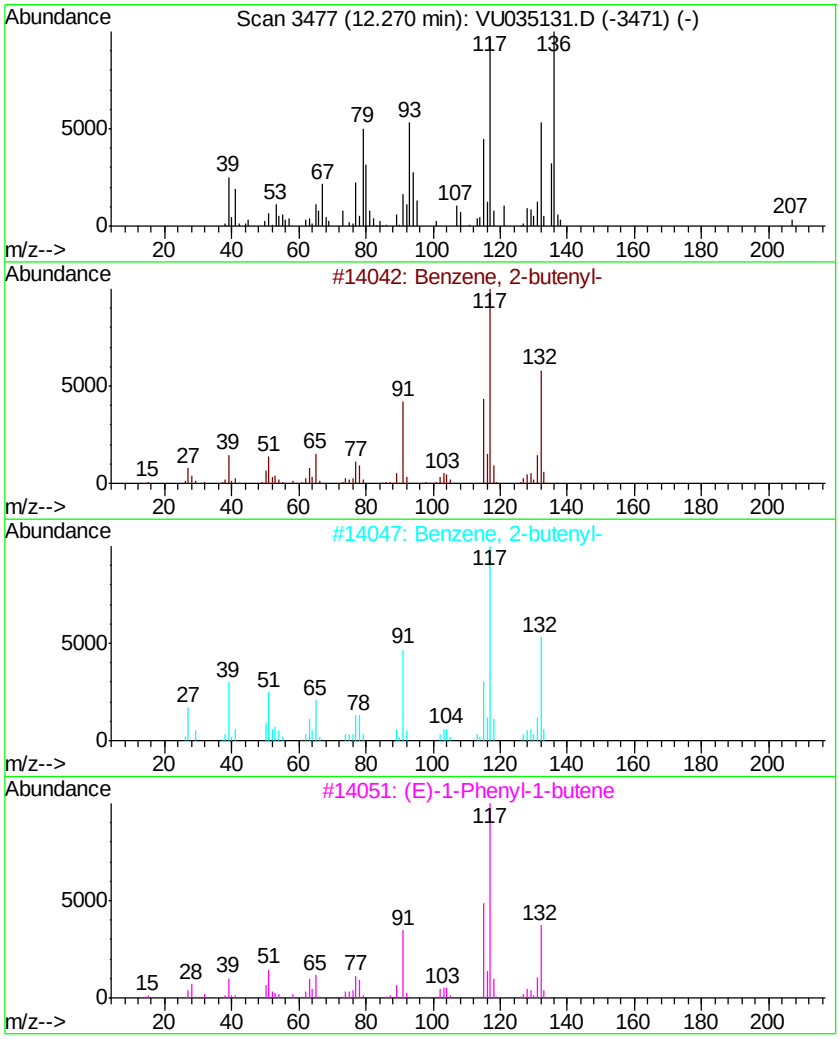
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

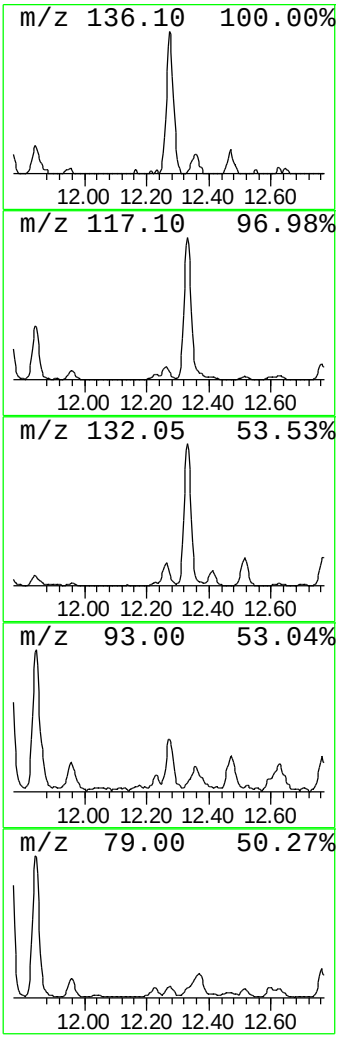
****

Peak Number 55 Benzene, 2-butenyl- Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	1.01 ug/L	115729	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	64
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	64
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

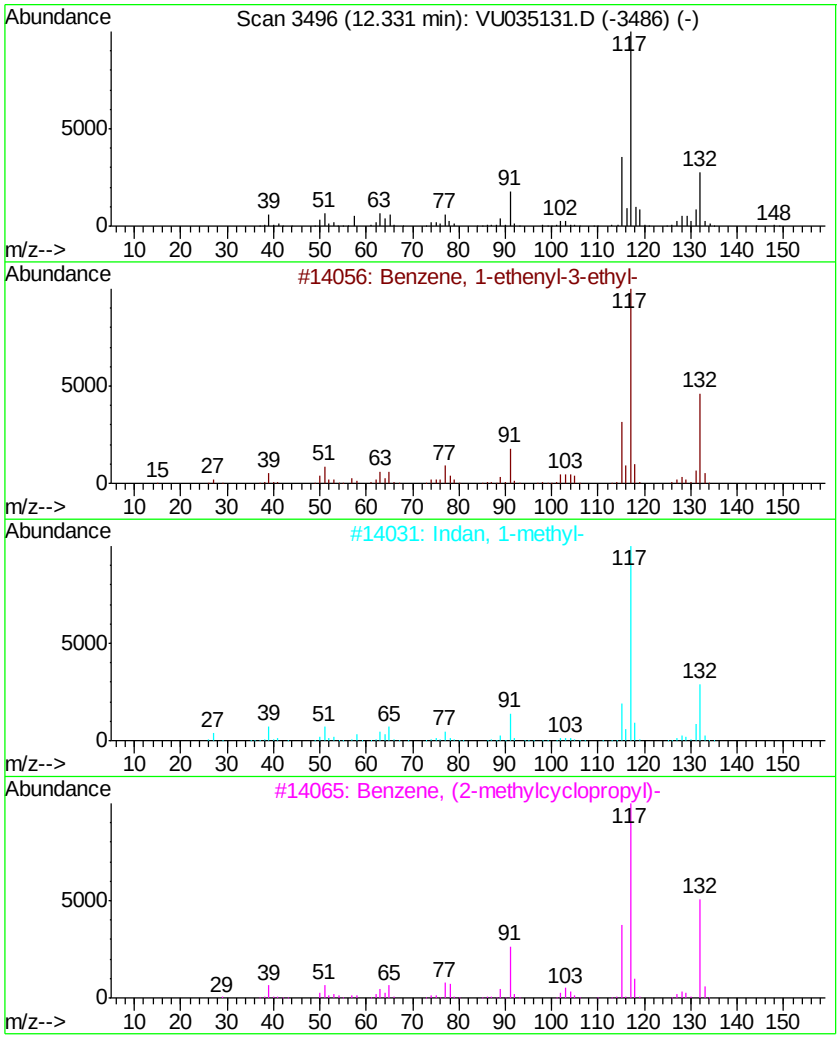
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

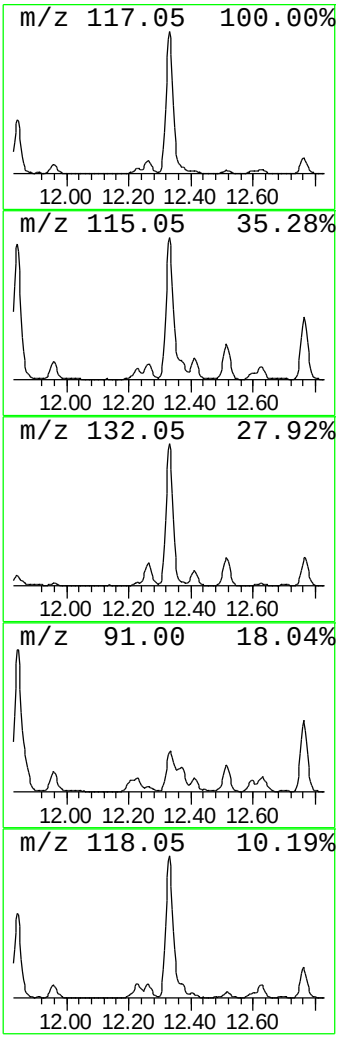
****

Peak Number 56 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	9.36 ug/L	1077160	1,4-Dichlorobenzene-d4	11.46

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	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	81
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	80
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

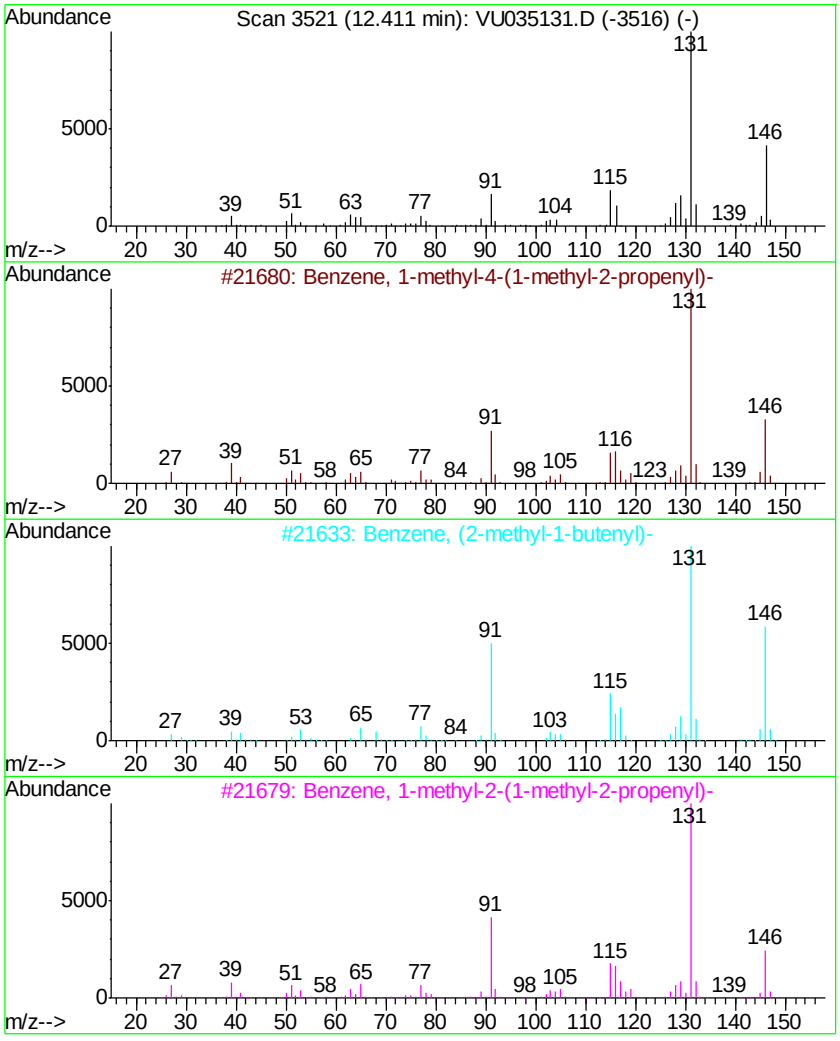
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

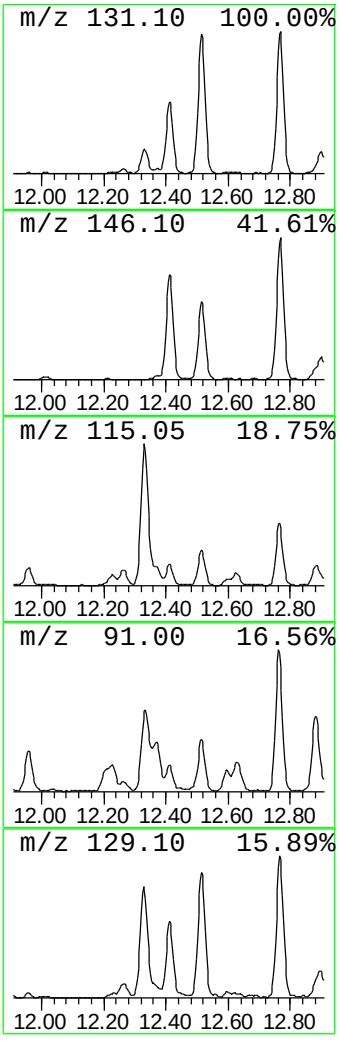
****

Peak Number 57 Benzene, 1-methyl-4-(1-meth... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	1.71 ug/L	197240	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	91
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

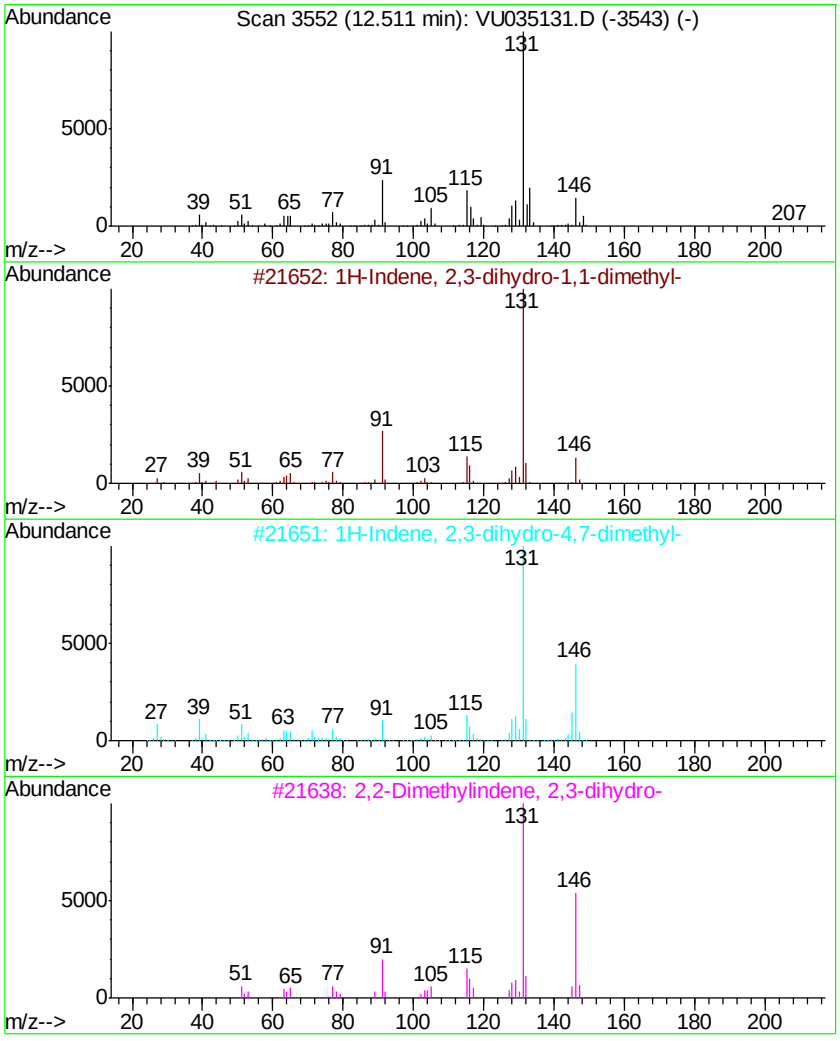
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

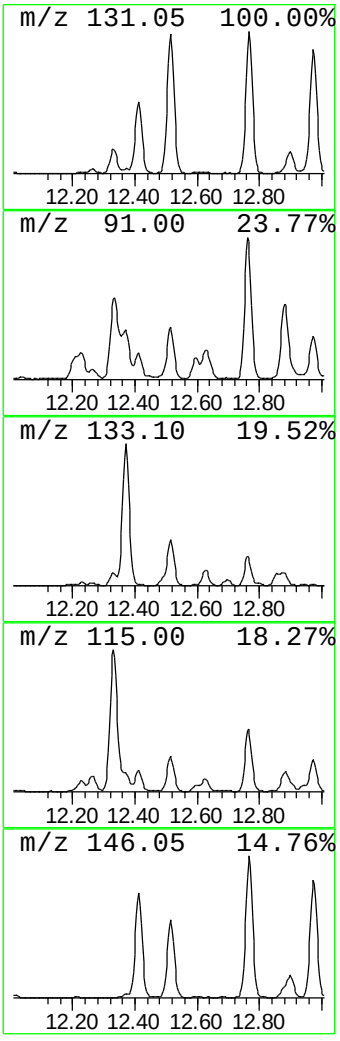
****

Peak Number 58 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	4.41 ug/L	507200	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	93
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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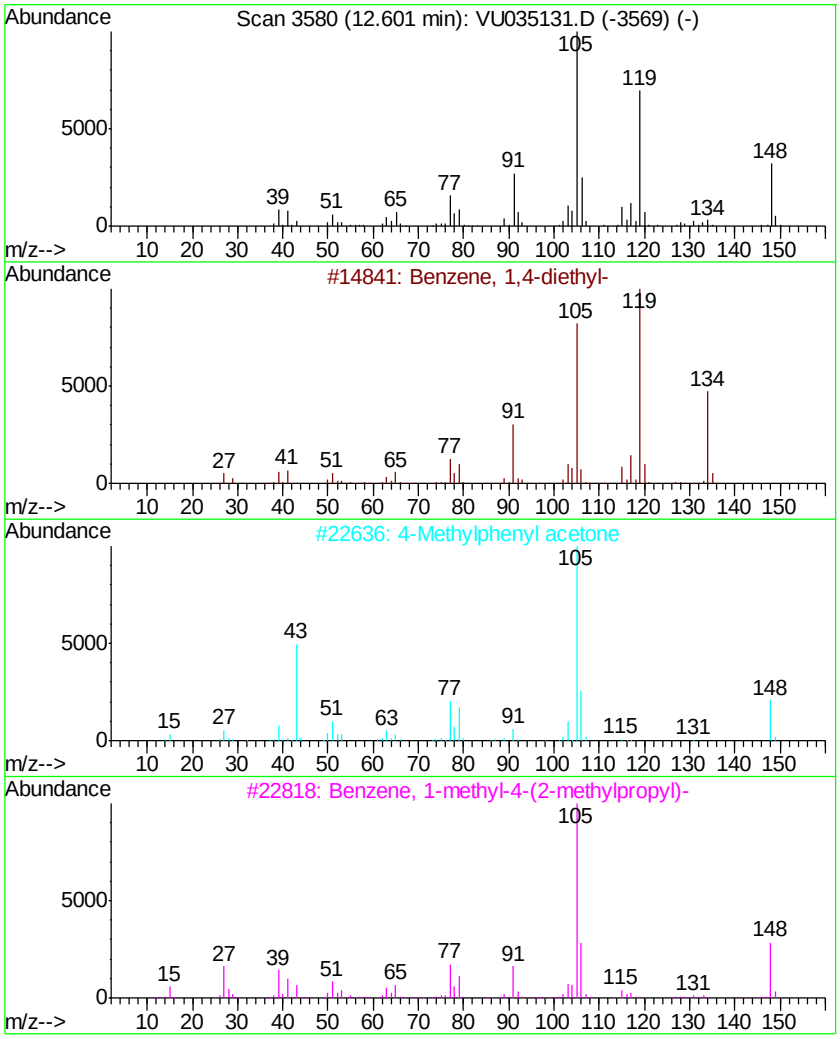
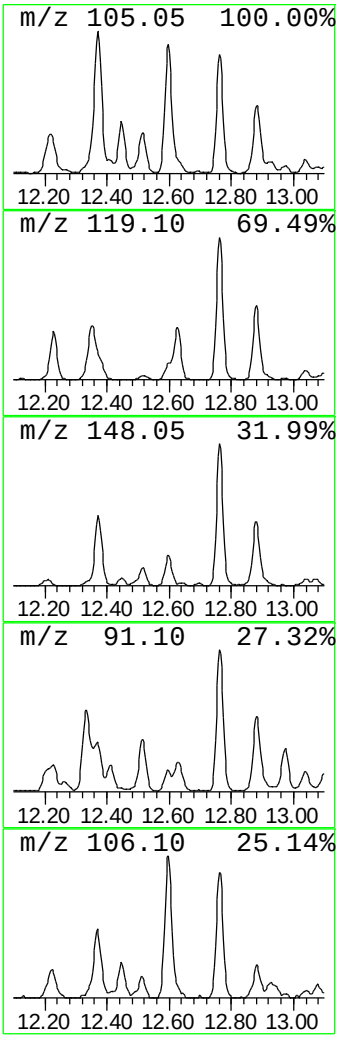
Peak Number 59 Benzene, 1,4-diethyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	1.53 ug/L	176265	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	50
2	4-Methylphenyl acetone	148	C10H12O	002096-86-8	50
3	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	49
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	47
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

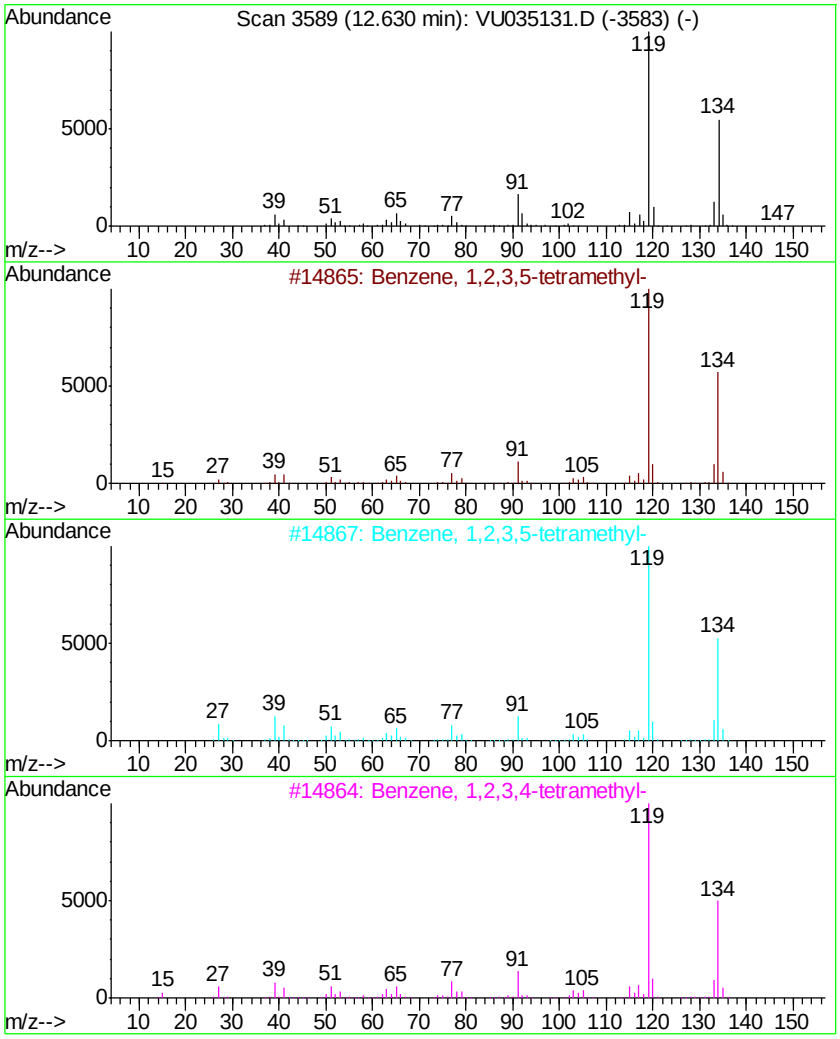
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

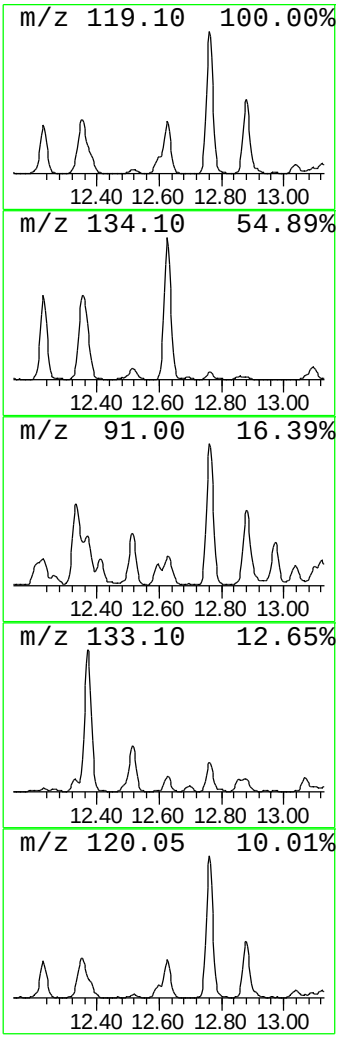
****

Peak Number 60 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.58 ug/L	296739	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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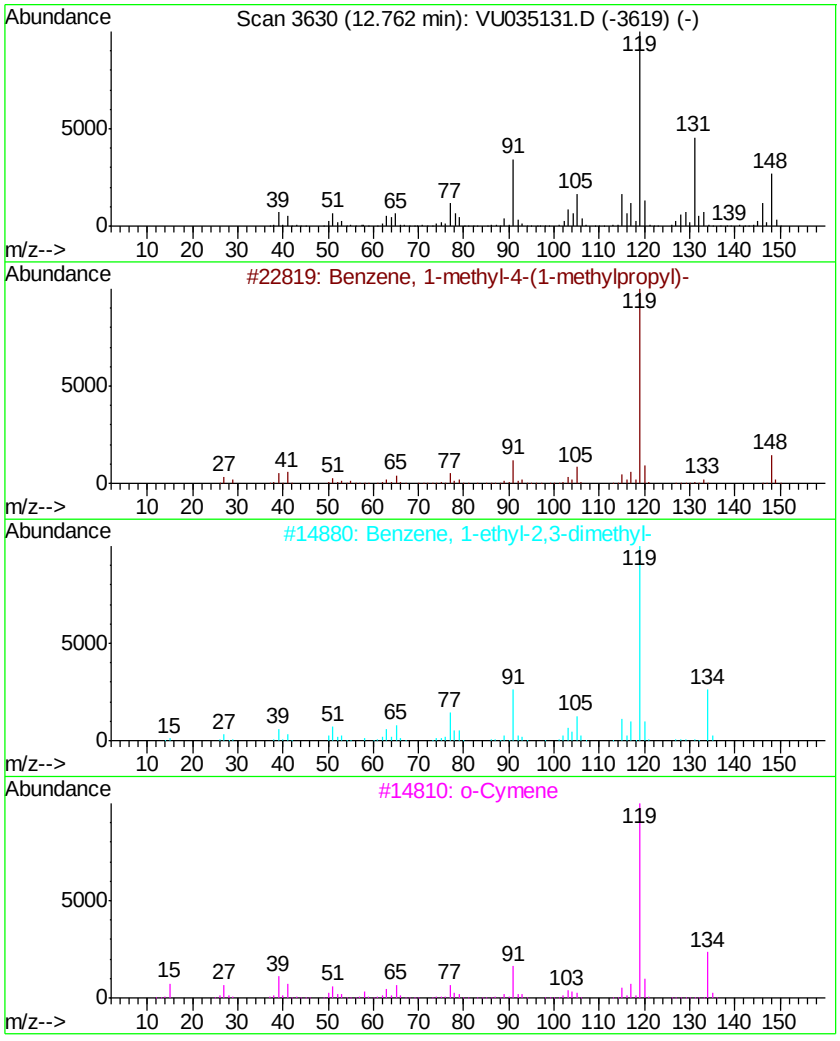
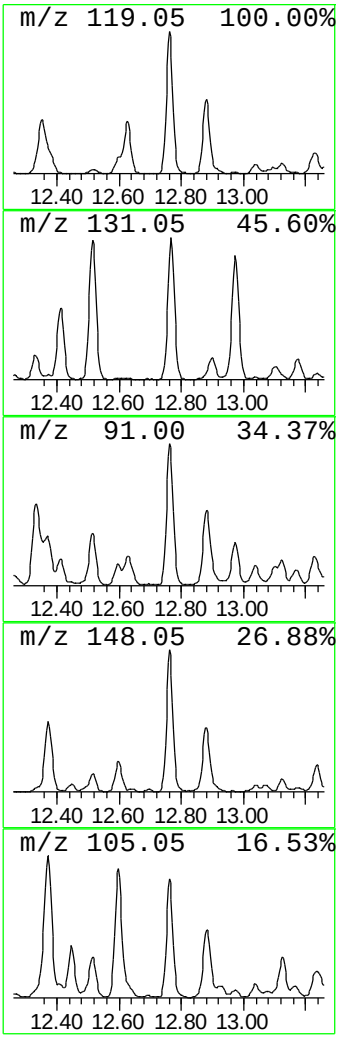
Peak Number 61 Benzene, 1-methyl-4-(1-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	10.26 ug/L	1180790	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	64
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
3	o-Cymene	134	C10H14	000527-84-4	55
4	o-Cymene	134	C10H14	000527-84-4	55
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

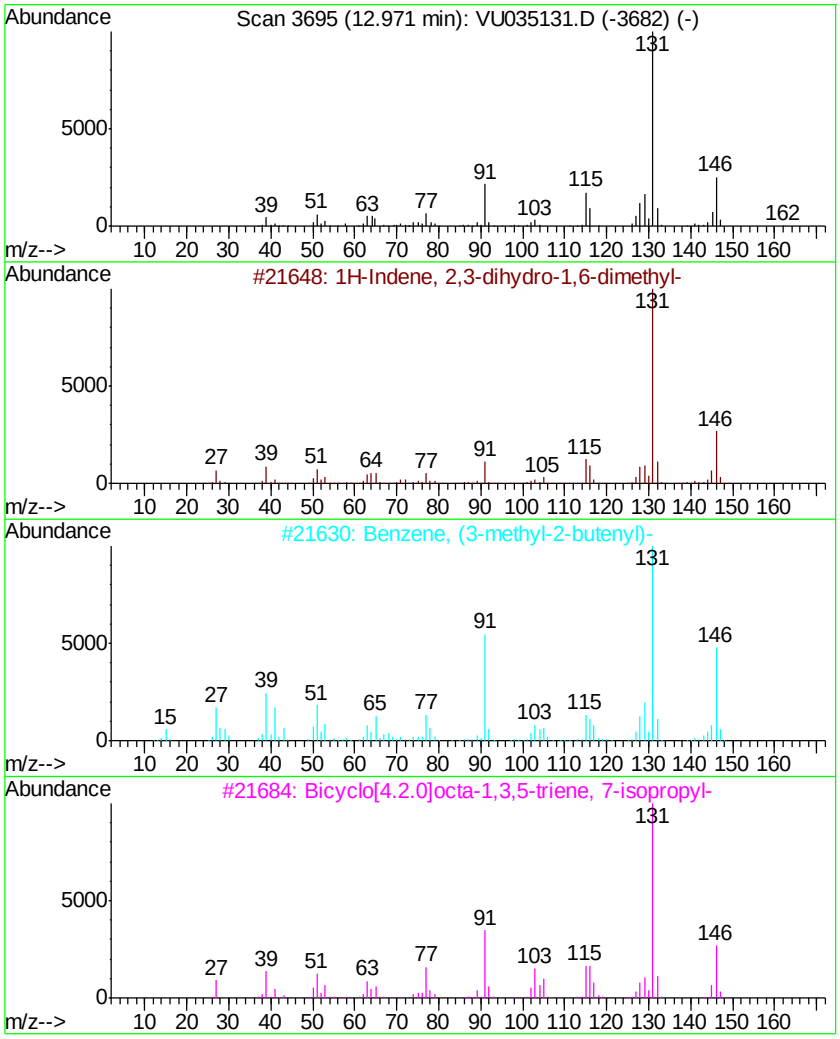
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

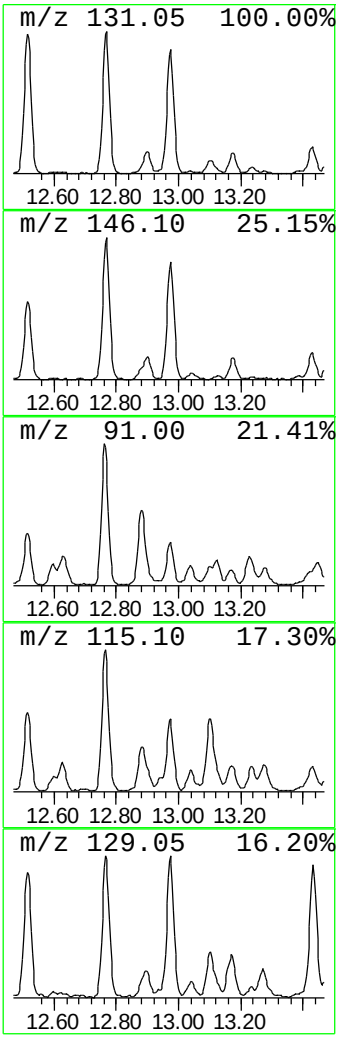
****

Peak Number 63 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	3.69 ug/L	424611	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	91
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

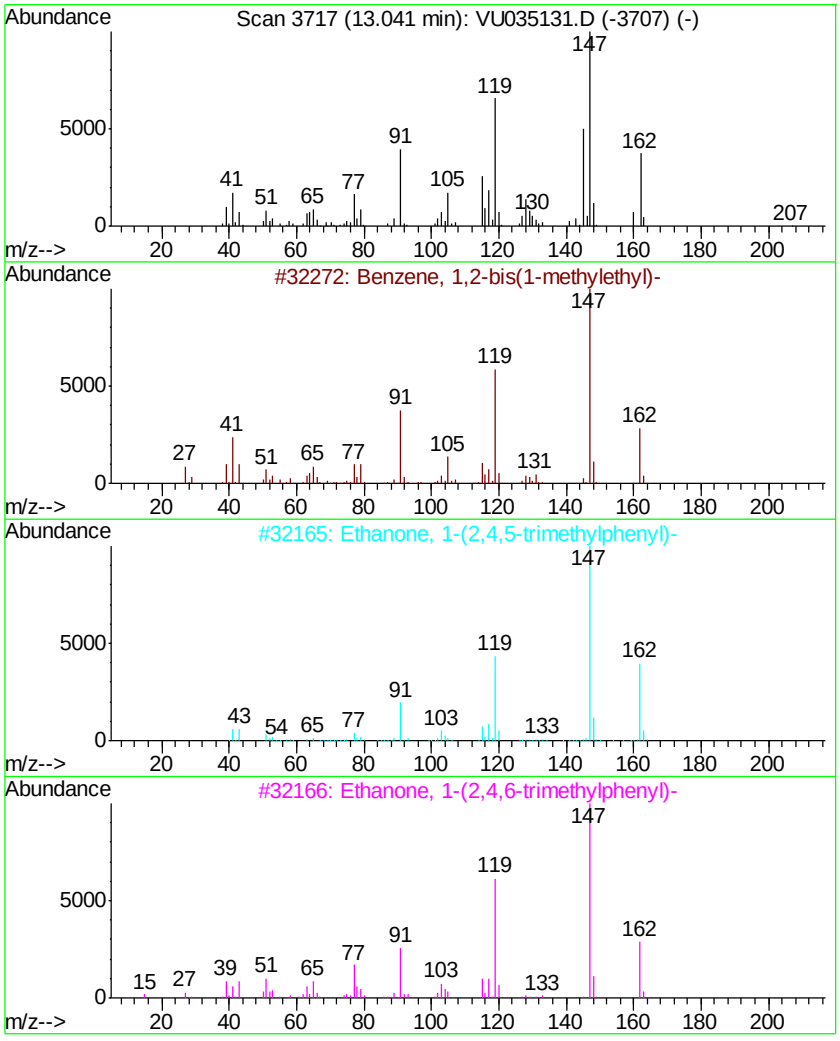
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

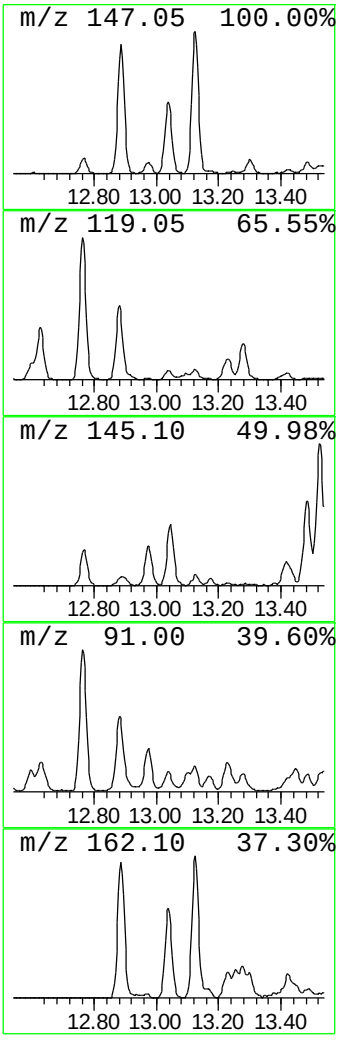
****

Peak Number 64 Benzene, 1,2-bis(1-methylet... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	1.38 ug/L	159108	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-bis(1-methylethyl)-	162	C12H18	000577-55-9	76
2	Ethanone, 1-(2,4,5-trimethylphen...	162	C11H14O	002040-07-5	76
3	Ethanone, 1-(2,4,6-trimethylphen...	162	C11H14O	001667-01-2	76
4	Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	74
5	Benzene, 1-(1,1-dimethylethyl)-4...	162	C12H18	007364-19-4	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

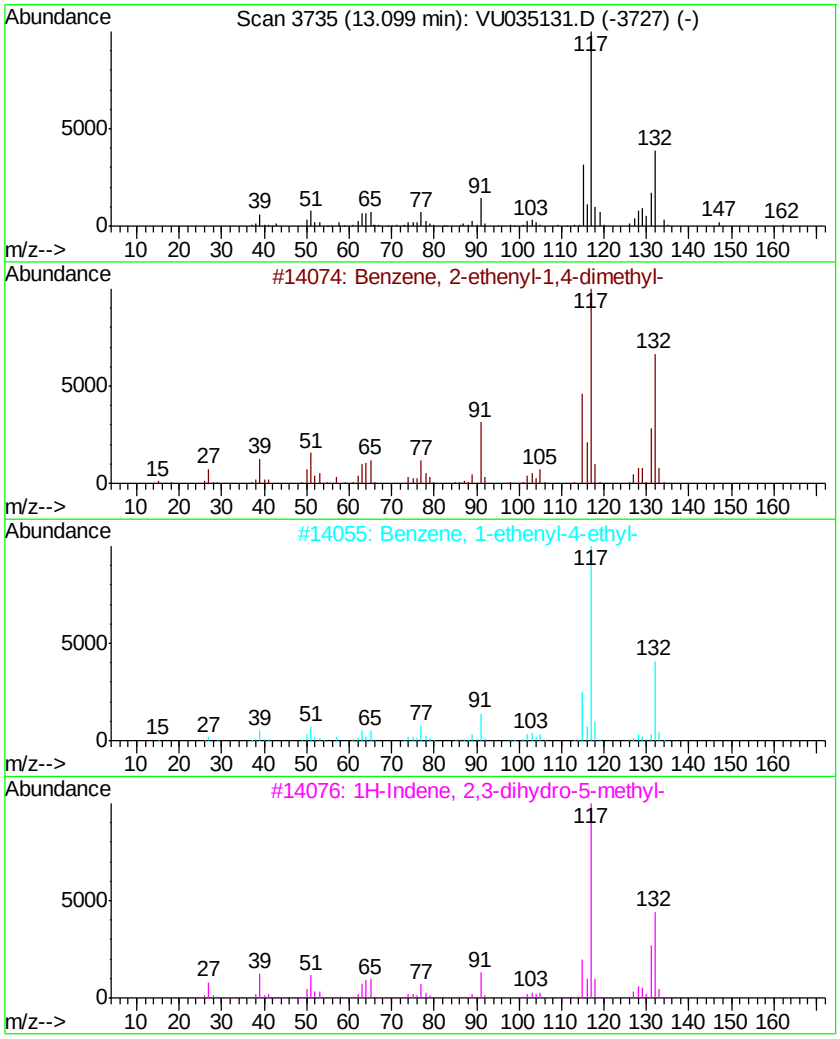
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

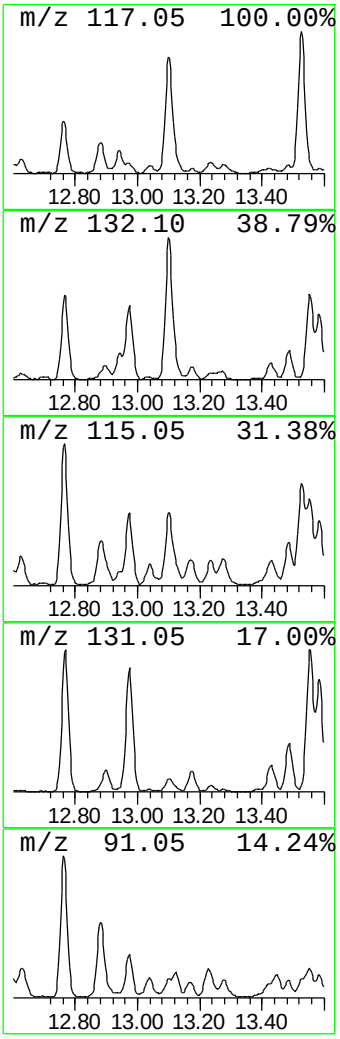
****

Peak Number 65 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	1.82 ug/L	209767	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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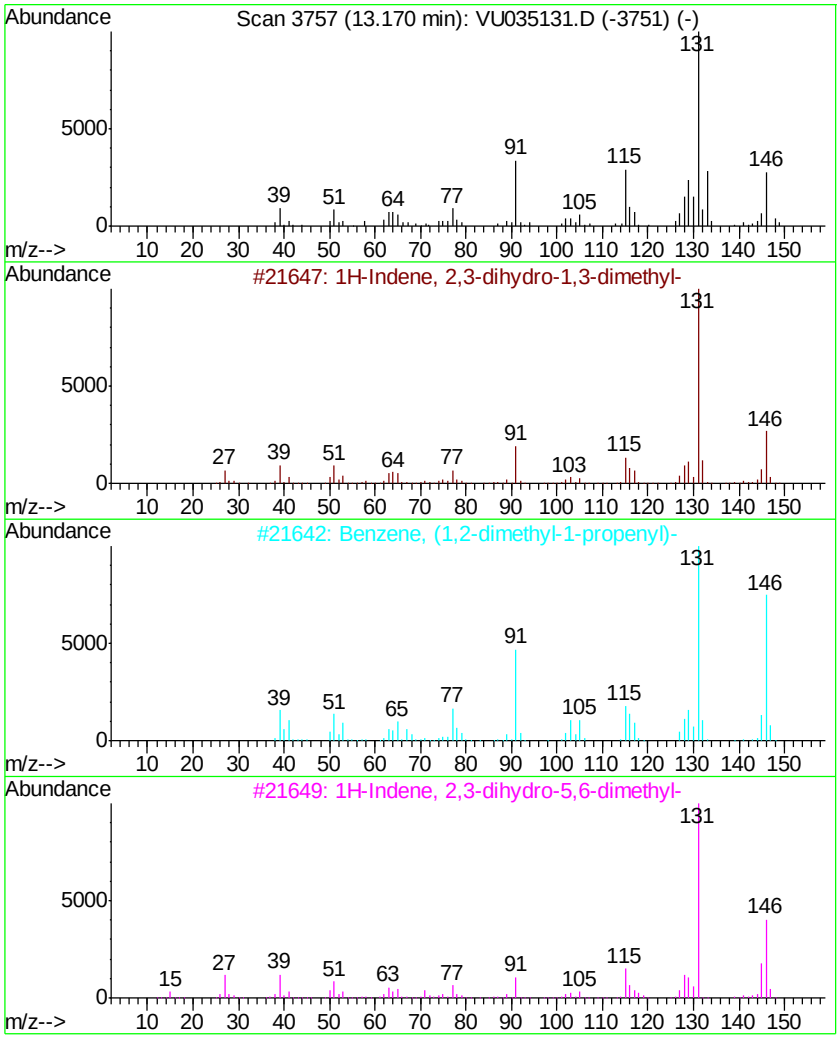
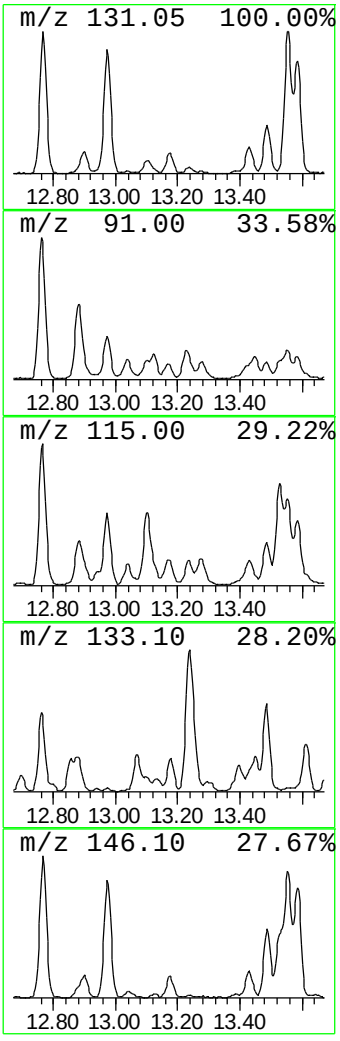
Peak Number 66 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	0.90 ug/L	103447	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	70
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	68
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	68
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	62
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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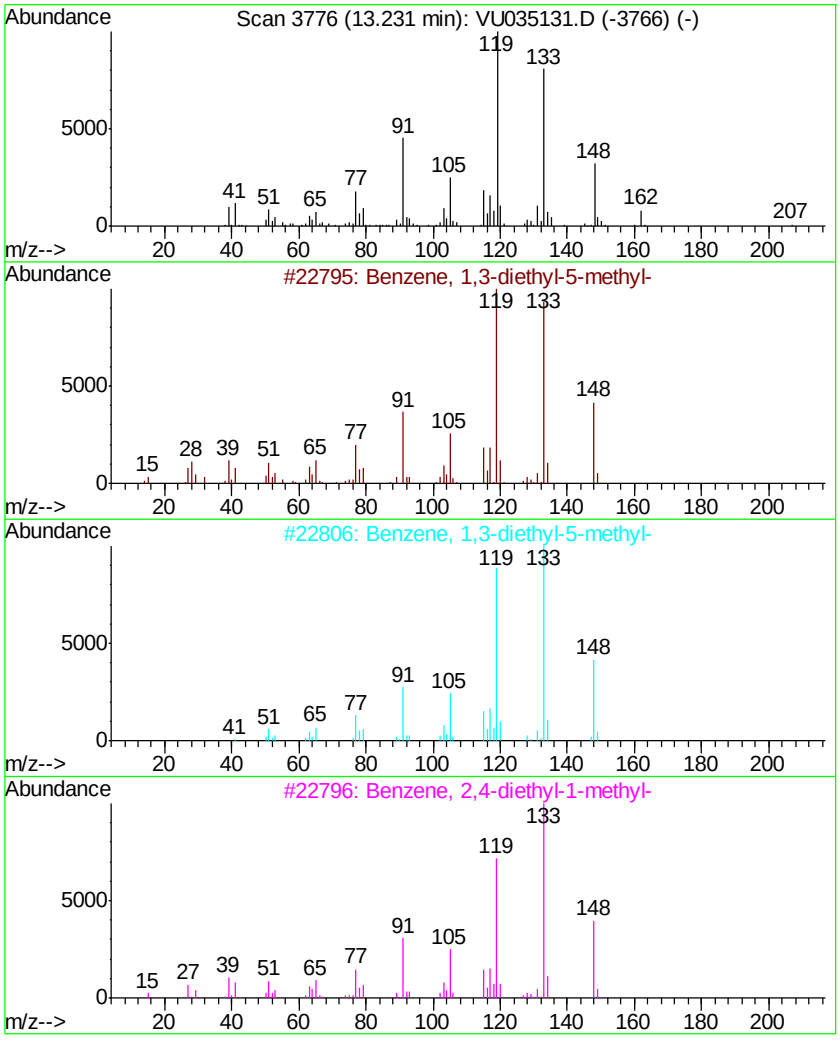
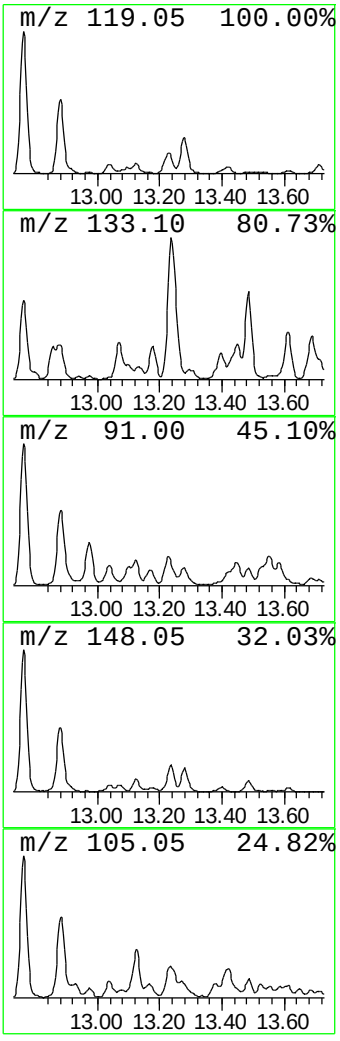
Peak Number 67 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	2.18 ug/L	251295	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	97
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	97
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	96
4	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	81
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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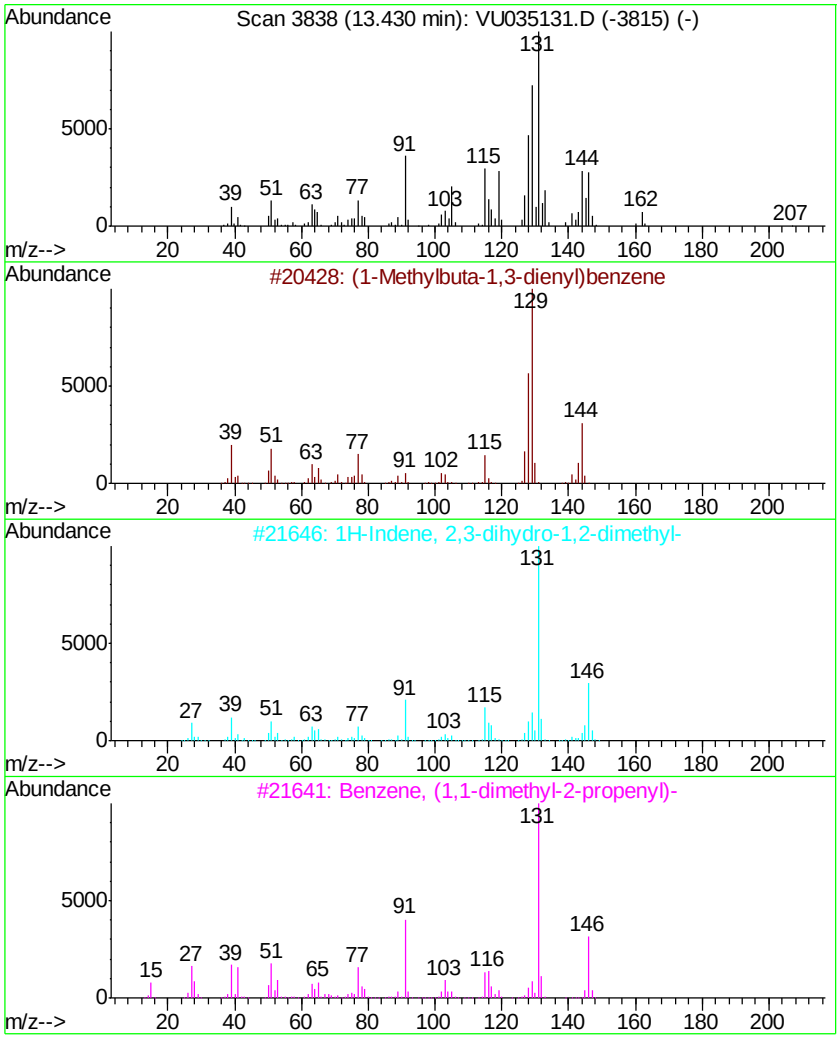
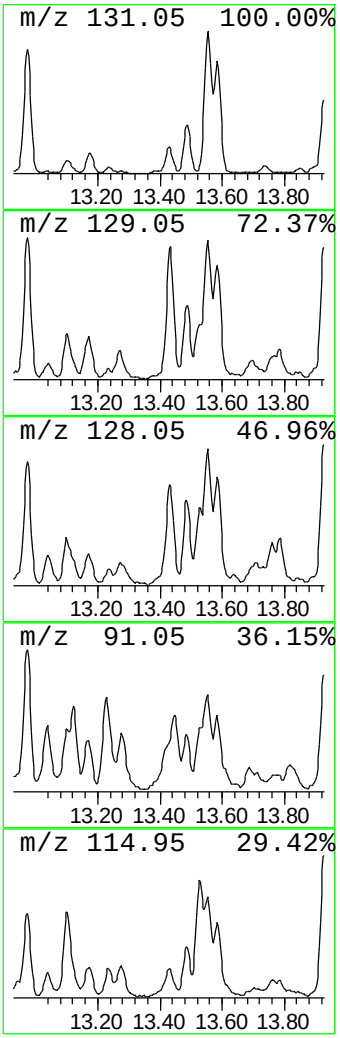
Peak Number 69 (1-Methylbuta-1,3-dienyl)be... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	2.56 ug/L	294387	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	83
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	60
3	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	50
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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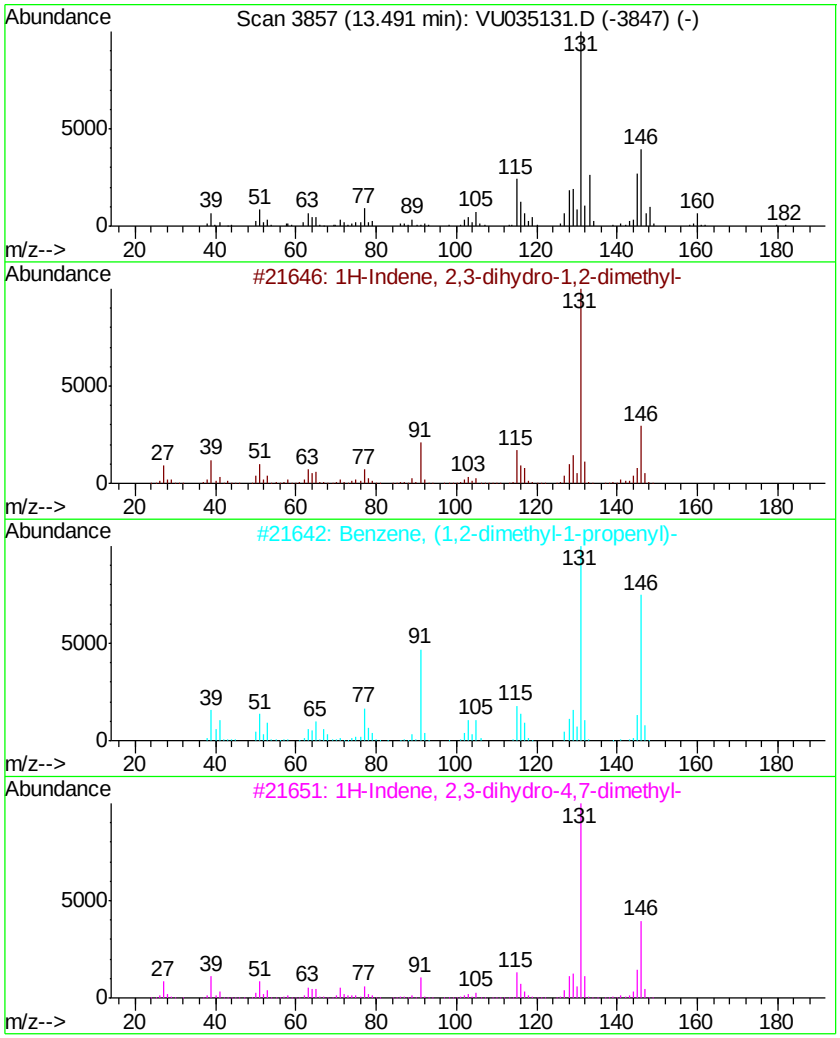
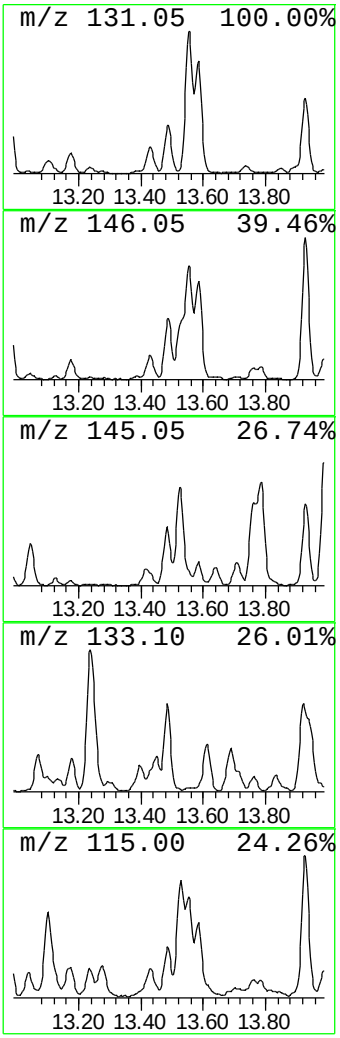
Peak Number 70 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	1.76 ug/L	202461	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	92
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	68
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	68
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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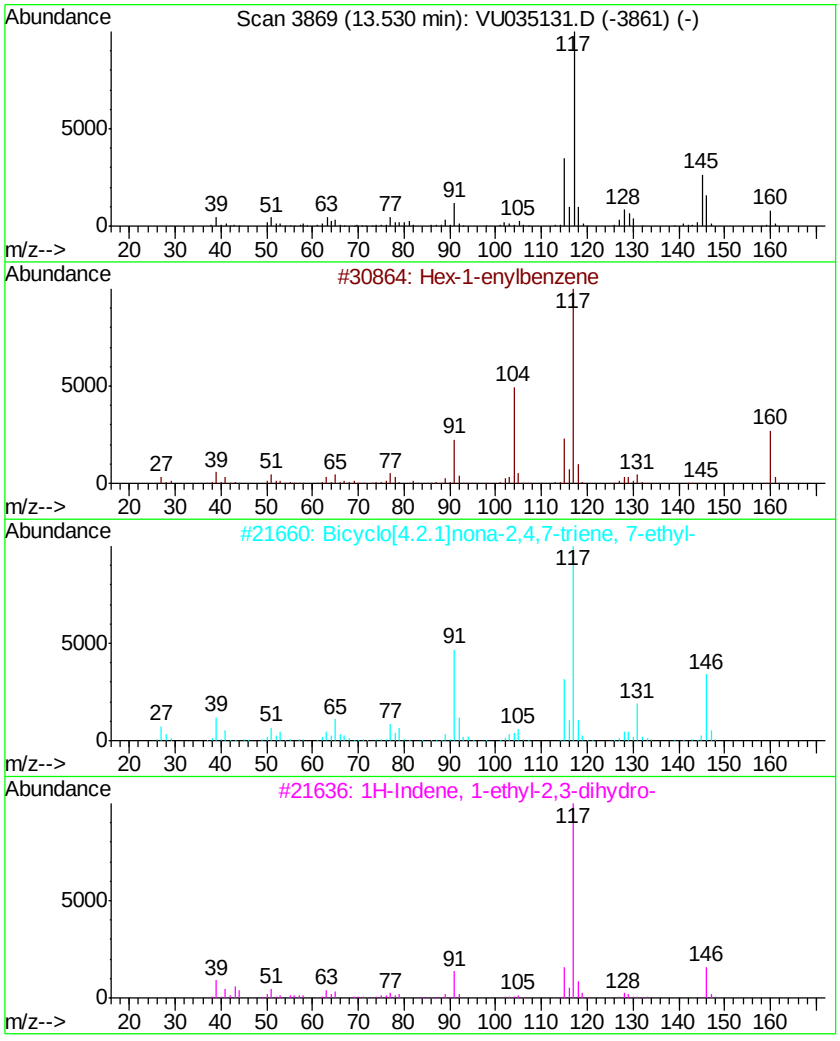
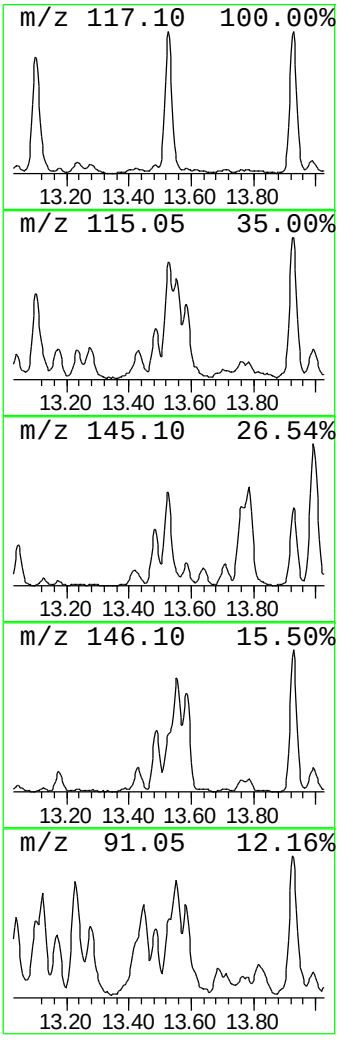
Peak Number 71 Hex-1-enylbenzene Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	1.91 ug/L	219902	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hex-1-enylbenzene	160	C12H16	000828-15-9	72
2	Bicyclo[4.2.1]nona-2,4,7-triene,...	146	C11H14	1000164-42-6	64
3	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	58
4	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	58
5	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101219\
Data File : VU035131.D
Acq On : 12 Oct 2019 08:57
Operator : JC/SP
Sample : K5310-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MW-5-001-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.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...	1.30	1.2	ug/L	106310	1	5.86	432283	5.0
(DEL) Alkane: Str...	1.75	27.0	ug/L	2335910	1	5.86	432283	5.0
(DEL) Alkane: Str...	1.94	2.3	ug/L	197471	1	5.86	432283	5.0
(DEL) Alkane: Str...	2.69	70.7	ug/L	6116360	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	2.77	1.3	ug/L	109965	1	5.86	432283	5.0
(DEL) Alkane: Str...	2.97	79.3	ug/L	6858230	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	3.63	1.6	ug/L	139205	1	5.86	432283	5.0
(DEL) Alkane: Str...	3.82	4.9	ug/L	424825	1	5.86	432283	5.0
(DEL) Alkane: Str...	3.96	21.1	ug/L	1826250	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	4.06	1.1	ug/L	93417	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	4.70	10.5	ug/L	905183	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	4.88	2.2	ug/L	191168	1	5.86	432283	5.0
(DEL) Alkane: Str...	5.05	29.0	ug/L	2503660	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	5.20	1.5	ug/L	128717	1	5.86	432283	5.0
Cyclobutanone, 2,...	5.46	22.4	ug/L	1932620	1	5.86	432283	5.0
(DEL) Alkane: Str...	5.52	48.6	ug/L	4202980	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	5.59	13.1	ug/L	1135920	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	5.93	4.3	ug/L	373523	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	6.03	5.2	ug/L	452419	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	6.19	15.3	ug/L	1321140	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	6.37	11.2	ug/L	966973	1	5.86	432283	5.0
(DEL) Alkane: Str...	6.45	6.9	ug/L	596602	1	5.86	432283	5.0
(DEL) Alkane: Str...	6.51	7.5	ug/L	652817	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	6.62	1.3	ug/L	113824	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	6.71	6.5	ug/L	559625	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	6.78	1.9	ug/L	162711	1	5.86	432283	5.0
(DEL) Alkane: Str...	6.90	15.4	ug/L	1332220	1	5.86	432283	5.0
(DEL) Alkane: Str...	7.03	25.8	ug/L	2230940	1	5.86	432283	5.0
(DEL) Alkane: Str...	7.08	2.6	ug/L	222479	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	7.20	6.7	ug/L	581208	1	5.86	432283	5.0
unknown-01	7.28	2.8	ug/L	237780	1	5.86	432283	5.0
(DEL) Alkane: Str...	7.35	2.3	ug/L	198105	1	5.86	432283	5.0
(DEL) Alkane: Cyc...	7.68	2.0	ug/L	226971	2	9.07	555967	5.0
(DEL) Alkane: Cyc...	7.78	2.0	ug/L	219028	2	9.07	555967	5.0
(DEL) Alkane: Cyc...	7.93	3.5	ug/L	389404	2	9.07	555967	5.0
(DEL) Alkane: Cyc...	8.03	4.4	ug/L	490260	2	9.07	555967	5.0
Cyclopentene, 1,2...	8.07	11.0	ug/L	1218690	2	9.07	555967	5.0
(DEL) Alkane: Cyc...	8.62	3.0	ug/L	335011	2	9.07	555967	5.0
Cyclohexene, 1,6-...	8.74	4.2	ug/L	469625	2	9.07	555967	5.0
(DEL) Alkane: Cyc...	8.86	1.1	ug/L	128251	2	9.07	555967	5.0
(DEL) Alkane: Cyc...	9.01	2.4	ug/L	266091	2	9.07	555967	5.0
Pentalene, octahy...	9.17	1.0	ug/L	114229	2	9.07	555967	5.0
unknown-02	9.35	3.7	ug/L	416316	2	9.07	555967	5.0
Cyclohexanol, 2-m...	9.69	1.6	ug/L	174533	2	9.07	555967	5.0
unknown-03	9.94	1.5	ug/L	163172	2	9.07	555967	5.0
unknown-04	10.35	0.9	ug/L	106036	3	11.46	575659	5.0
Benzene, propyl-	10.57	7.0	ug/L	800581	3	11.46	575659	5.0
Benzene, (2-methy...	11.27	0.9	ug/L	107196	3	11.46	575659	5.0
Oxirane, 2-methyl...	11.31	1.4	ug/L	160113	3	11.46	575659	5.0

p-Cymene	11.67	2.3	ug/L	261963	3	11.46	575659	5.0
Benzene, 1,2-diet...	11.76	41.4	ug/L	4771370	3	11.46	575659	5.0
Benzene, 2-ethyl-...	12.23	3.0	ug/L	341526	3	11.46	575659	5.0
Benzene, 2-butenyl-	12.27	1.0	ug/L	115729	3	11.46	575659	5.0
Benzene, 1-etheny...	12.33	9.4	ug/L	1077160	3	11.46	575659	5.0
Benzene, 1-methyl...	12.41	1.7	ug/L	197240	3	11.46	575659	5.0
1H-Indene, 2,3-di...	12.51	4.4	ug/L	507200	3	11.46	575659	5.0
Benzene, 1,4-diet...	12.60	1.5	ug/L	176265	3	11.46	575659	5.0
Benzene, 1,2,3,5-...	12.63	2.6	ug/L	296739	3	11.46	575659	5.0
Benzene, 1-methyl...	12.76	10.3	ug/L	1180790	3	11.46	575659	5.0
1H-Indene, 2,3-di...	12.97	3.7	ug/L	424611	3	11.46	575659	5.0
Benzene, 1,2-bis(...	13.04	1.4	ug/L	159108	3	11.46	575659	5.0
Benzene, 2-etheny...	13.10	1.8	ug/L	209767	3	11.46	575659	5.0
1H-Indene, 2,3-di...	13.17	0.9	ug/L	103447	3	11.46	575659	5.0
Benzene, 1,3-diet...	13.23	2.2	ug/L	251295	3	11.46	575659	5.0
(1-Methylbuta-1,3...	13.43	2.6	ug/L	294387	3	11.46	575659	5.0
1H-Indene, 2,3-di...	13.49	1.8	ug/L	202461	3	11.46	575659	5.0
Hex-1-enylbenzene	13.53	1.9	ug/L	219902	3	11.46	575659	5.0

Instrument :
MSVOA_U
ClientSampleId :
MW-5-001-01