LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
Data File : VU035277.D
Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

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\SOMUTR101719WMA.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	1.369	3	9	24	rVB	415571	425718	20.65%	2.130%
2	1.449	29	34	43	rVV	30538	33995	1.65%	0.170%
3	1.507	46	52	67	rVB2	44629	55005	2.67%	0.275%
4	1.616	74	86	95	rBV4	439321	765040	37.10%	3.827%
5	1.678	95	105	111	rVV2	73739	92984	4.51%	0.465%
6	1.752	120	128	136	rVB	122023	135220	6.56%	0.676%
7	1.864	157	163	169	rBV	35921	42477	2.06%	0.212%
8	1.906	169	176	178	rVV	62117	69668	3.38%	0.349%
9	1.932	179	184	201	rVV2	144141	219545	10.65%	1.098%
10	2.018	203	211	223	rVB	53451	75223	3.65%	0.376%
11	2.179	254	261	268	rBV	30418	40823	1.98%	0.204%
12	2.240	268	280	298	rVB3	125906	250747	12.16%	1.254%
13	2.346	305	313	322	rBV	33945	48322	2.34%	0.242%
14	2.401	323	330	337	rVV2	22025	37698	1.83%	0.189%
15	2.443	337	343	351	rVV	34752	52675	2.55%	0.264%
16	2.494	353	359	374	rVB	30917	50974	2.47%	0.255%
17	2.597	380	391	405	rBV	211110	348734	16.91%	1.745%
18	2.671	409	414	427	rVB	15056	23320	1.13%	0.117%
19	3.015	509	521	524	rBV5	13104	25848	1.25%	0.129%
20	3.173	561	570	585	rVB5	15016	34867	1.69%	0.174%
21	3.395	620	639	658	rVB4	29372	66456	3.22%	0.332%
22	3.616	694	708	725	rBV5	22740	57225	2.78%	0.286%
23	3.874	773	788	792	rBV5	12015	24168	1.17%	0.121%
24	3.925	795	804	825	rVV4	24564	76555	3.71%	0.383%
25	4.234	883	900	914	rBV9	8384	25198	1.22%	0.126%
26	4.382	930	946	961	rVB3	8527	20959	1.02%	0.105%
27	4.713	1030	1049	1083	rBV2	241763	691902	33.56%	3.461%
28	4.880	1091	1101	1114	rVB3	11333	23820	1.16%	0.119%
29	5.115	1159	1174	1195	rBV	189079	433040	21.00%	2.166%
30	5.221	1198	1207	1217	rVB3	11154	21186	1.03%	0.106%
31	5.430	1259	1272	1284	rBV5	13466	34354	1.67%	0.172%
32	5.771	1358	1378	1392	rBV2	399389	1036294	50.26%	5.184%
33	6.070	1462	1471	1487	rVB4	15528	36396	1.77%	0.182%
34	6.295	1527	1541	1570	rBV	378044	766808	37.19%	3.836%

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Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

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\SOMUTR101719WMA.M
Title : TRACE VOA SOM01.0

35	6.610	1625	1639	1652	rVB4	34513	85375	4.14%	0.427%
36	6.681	1652	1661	1667	rBV2	16884	27859	1.35%	0.139%
37	6.735	1667	1678	1691	rBV	239277	453635	22.00%	2.269%
38	7.607	1935	1949	1977	rBV	127863	250270	12.14%	1.252%
39	7.935	2029	2051	2064	rBV	485885	864147	41.91%	4.323%
40	8.005	2064	2073	2086	rVB	123049	218266	10.59%	1.092%
41	8.217	2128	2139	2150	rBV2	73549	132337	6.42%	0.662%
42	8.690	2271	2286	2325	rBV	370150	1146793	55.62%	5.737%
43	9.449	2509	2522	2545	rBV	476852	929378	45.07%	4.649%
44	9.603	2557	2570	2597	rBV	1198662	2061879	100.00%	10.314%
45	9.725	2599	2608	2623	rVB	107605	192098	9.32%	0.961%
46	10.513	2841	2853	2868	rBV	78418	128240	6.22%	0.642%
47	10.790	2926	2939	2964	rVB	193080	347651	16.86%	1.739%
48	10.934	2969	2984	2996	rBV	56417	95740	4.64%	0.479%
49	11.053	3007	3021	3037	rVB	25783	46715	2.27%	0.234%
50	11.272	3078	3089	3098	rBV2	14372	25148	1.22%	0.126%
51	11.671	3206	3213	3225	rVB	30334	49471	2.40%	0.247%
52	11.844	3253	3267	3286	rBV	386127	749914	36.37%	3.751%
53	12.034	3315	3326	3339	rBV3	11844	21094	1.02%	0.106%
54	12.124	3342	3354	3368	rVV2	29271	50898	2.47%	0.255%
55	12.224	3371	3385	3408	rVV	423506	798881	38.75%	3.996%
56	12.330	3408	3418	3431	rVV5	16941	28821	1.40%	0.144%
57	12.404	3431	3441	3455	rVB	77943	126816	6.15%	0.634%
58	12.709	3525	3536	3547	rBV	92472	157191	7.62%	0.786%
59	12.889	3583	3592	3603	rVB3	24031	42451	2.06%	0.212%
60	12.999	3607	3626	3635	rBV	91773	162003	7.86%	0.810%
61	13.053	3635	3643	3659	rVB	62866	105428	5.11%	0.527%
62	13.140	3661	3670	3687	rVB3	23181	41141	2.00%	0.206%
63	13.227	3687	3697	3703	rBV	18706	36287	1.76%	0.182%
64	13.275	3706	3712	3724	rVB	34675	56626	2.75%	0.283%
65	13.352	3724	3736	3750	rBV2	40617	65789	3.19%	0.329%
66	13.426	3750	3759	3765	rBV2	24224	37275	1.81%	0.186%
67	13.471	3765	3773	3786	rVB	40054	63522	3.08%	0.318%
68	13.552	3786	3798	3804	rBV4	24850	48223	2.34%	0.241%
69	13.815	3870	3880	3887	rBV	46186	68320	3.31%	0.342%
70	13.857	3887	3893	3898	rVV3	31679	46977	2.28%	0.235%
71	13.905	3899	3908	3924	rVB4	42741	96106	4.66%	0.481%

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Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

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\SOMUTR101719WMA.M
Title : TRACE VOA SOM01.0

72	14.089	3953	3965	3971	rBV3	16494	28566	1.39%	0.143%
73	14.143	3974	3982	3994	rVV4	26489	54531	2.64%	0.273%
74	14.217	3994	4005	4017	rVV	410104	641743	31.12%	3.210%
75	14.310	4018	4034	4046	rVV	477942	774729	37.57%	3.876%
76	14.368	4046	4052	4062	rVB3	14807	23430	1.14%	0.117%
77	14.690	4142	4152	4157	rBV	77990	123397	5.98%	0.617%
78	14.831	4185	4196	4205	rBV2	121022	200604	9.73%	1.004%
79	14.902	4206	4218	4229	rVV4	148164	286672	13.90%	1.434%
80	14.963	4229	4237	4253	rVB3	47999	86834	4.21%	0.434%
81	15.053	4253	4265	4274	rBV	44512	76382	3.70%	0.382%
82	15.108	4274	4282	4295	rVV4	24724	47015	2.28%	0.235%
83	15.220	4308	4317	4332	rBV2	166453	338440	16.41%	1.693%
84	15.294	4332	4340	4354	rVB3	279232	462935	22.45%	2.316%
85	15.372	4357	4364	4373	rVB4	33411	49085	2.38%	0.246%
86	15.452	4379	4389	4394	rBV2	30485	57231	2.78%	0.286%
87	15.487	4394	4400	4407	rVV7	41389	76867	3.73%	0.385%
88	15.523	4408	4411	4423	rVB4	40701	61606	2.99%	0.308%
89	15.761	4477	4485	4501	rVB6	35056	82606	4.01%	0.413%
90	15.941	4530	4541	4554	rVB3	86351	171456	8.32%	0.858%
91	16.034	4561	4570	4582	rVB8	45878	89101	4.32%	0.446%
92	16.118	4586	4596	4603	rBV5	19010	31107	1.51%	0.156%
93	16.175	4606	4614	4621	rBV	28077	49296	2.39%	0.247%
94	16.291	4643	4650	4655	rBV2	31868	44715	2.17%	0.224%
95	16.336	4657	4664	4674	rVB3	45935	77396	3.75%	0.387%
96	16.481	4704	4709	4722	rVB7	33120	52655	2.55%	0.263%

Sum of corrected areas: 19990408

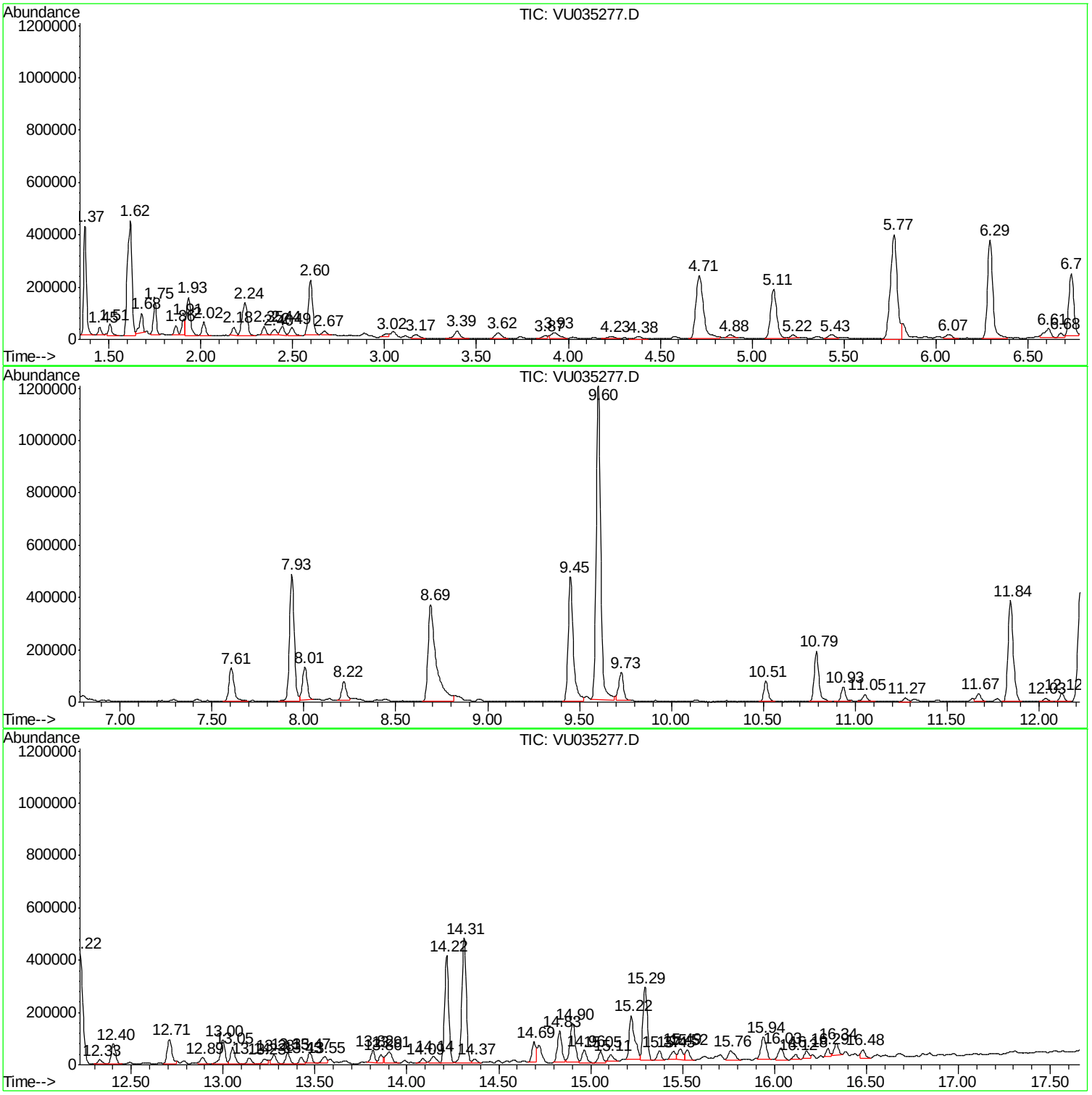
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101819\
Data File : VU035277.D
Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
Data File : VU035277.D
Acq On : 18 Oct 2019 19:34
Operator : JC/SP
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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

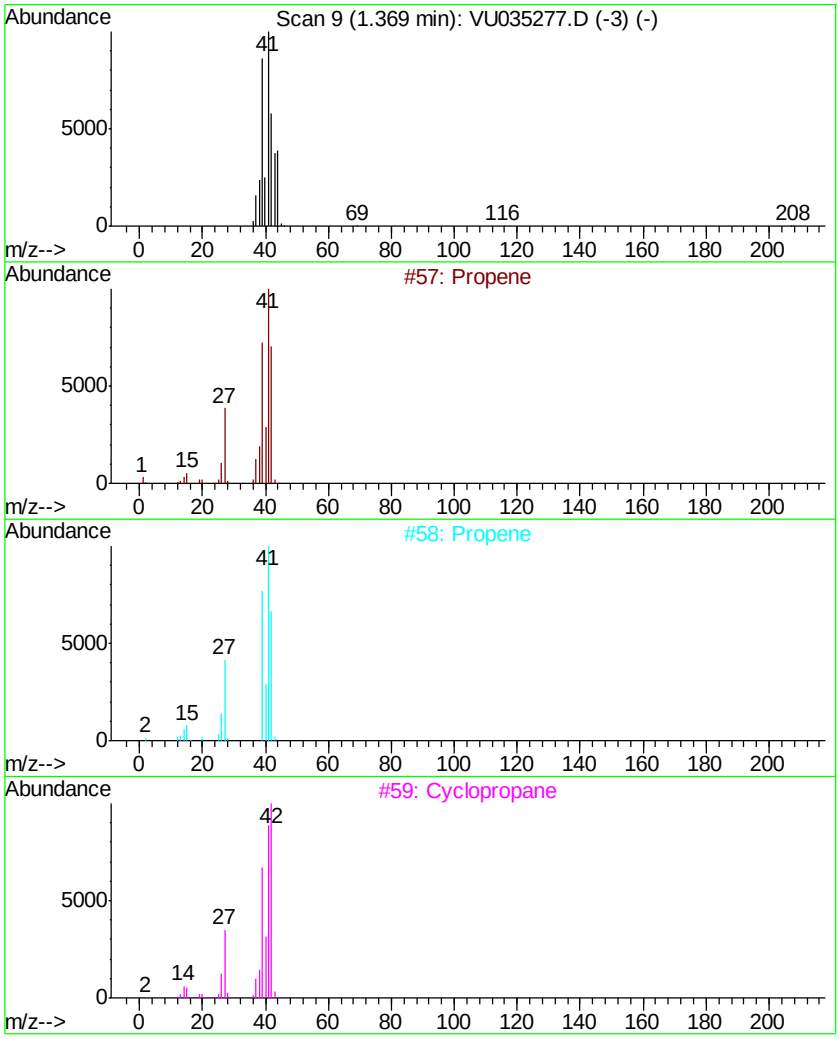
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

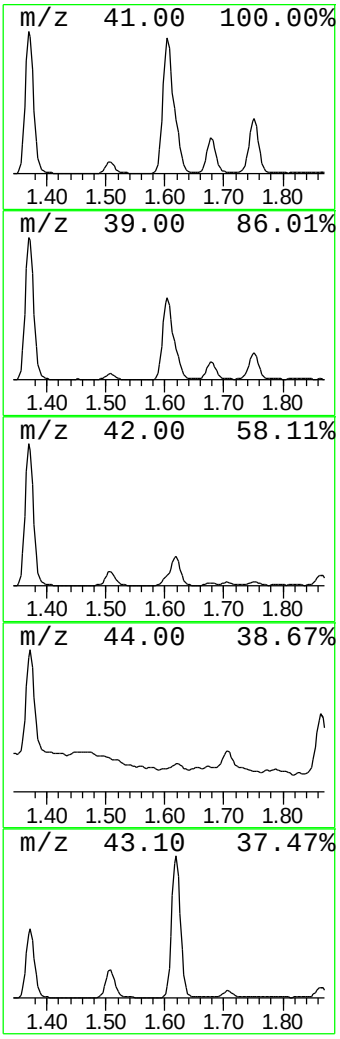
****

Peak Number 1 (DEL) Alkane: Cyclic1.37 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	2.78 ug/L	425718	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	86
2	Propene	42	C3H6	000115-07-1	42
3	Cyclopropane	42	C3H6	000075-19-4	39
4	Cyclopropane	42	C3H6	000075-19-4	7
5	Cyclopropene	40	C3H4	002781-85-3	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
Data File : VU035277.D
Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

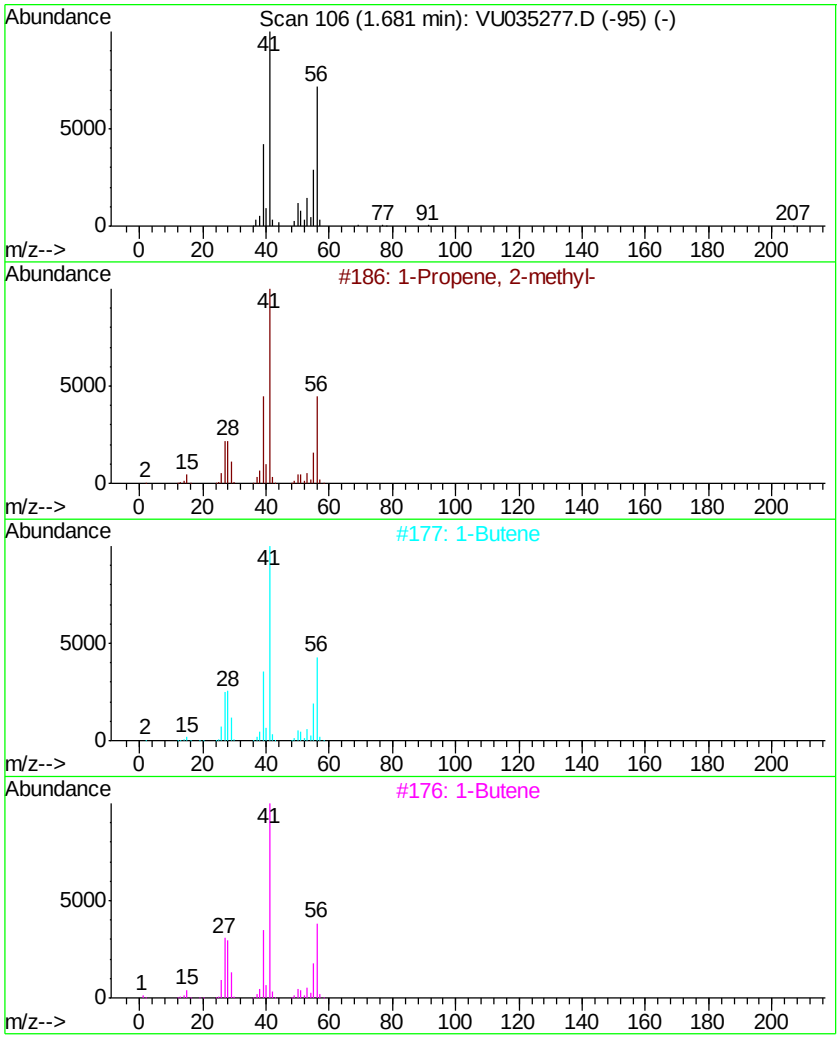
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

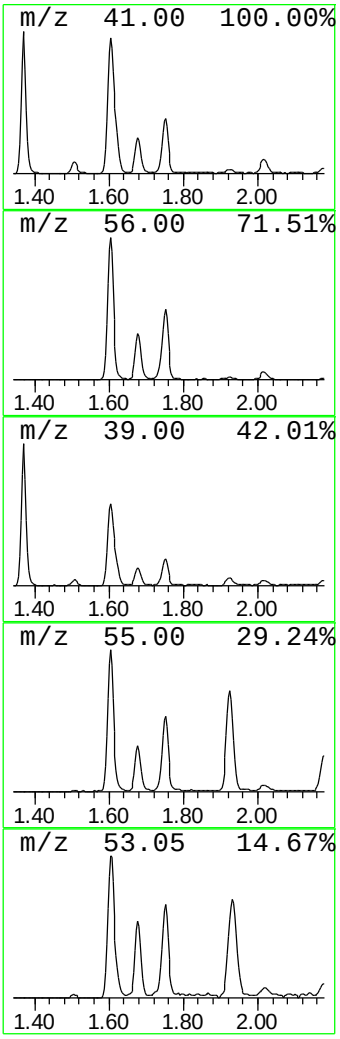
****

Peak Number 2 (DEL) Alkane: Cyclic1.68 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.68	0.61 ug/L	92984	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Butene	56	C4H8	000106-98-9	90
3	1-Butene	56	C4H8	000106-98-9	87
4	2-Butene, (Z)-	56	C4H8	000590-18-1	87
5	1-Butene	56	C4H8	000106-98-9	87





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Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

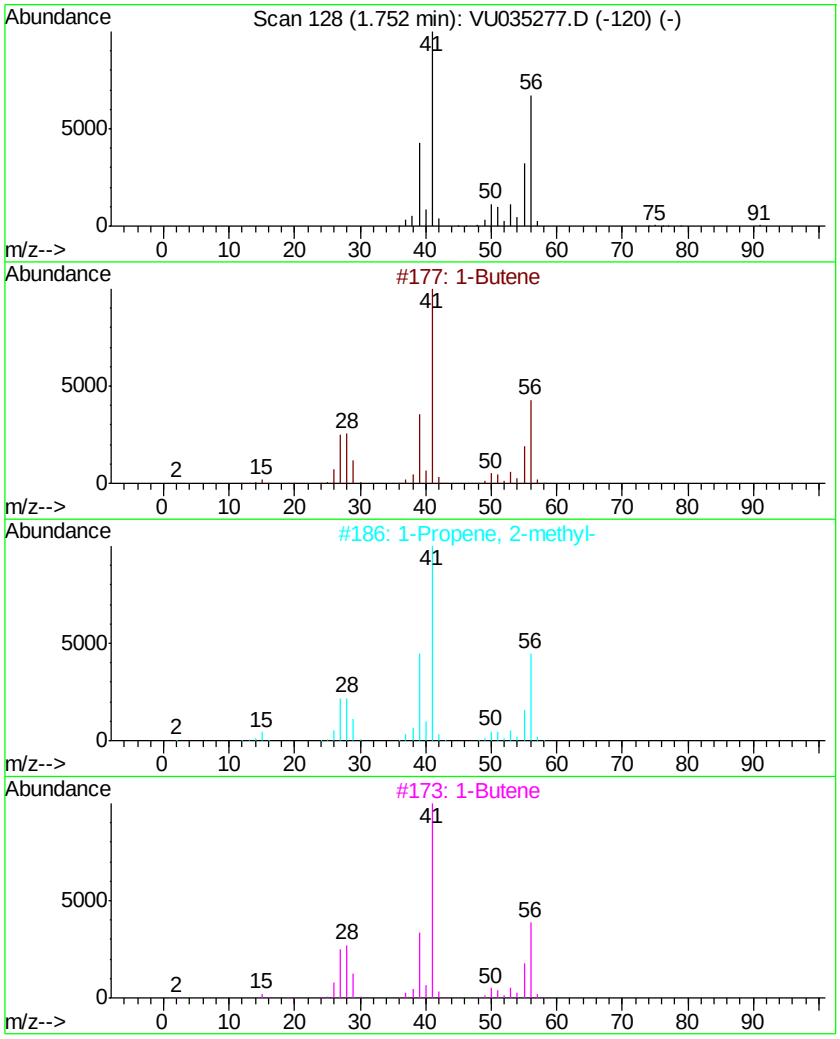
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

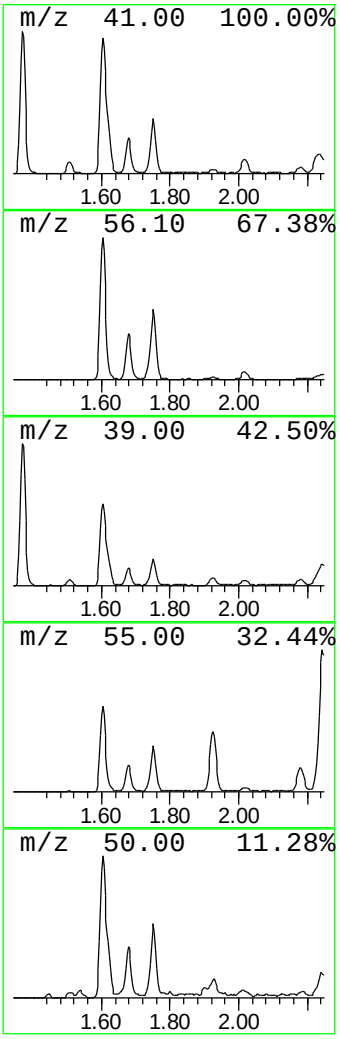
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic1.75 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	0.88 ug/L	135220	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	87
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	87
3	1-Butene	56	C4H8	000106-98-9	83
4	1-Butene	56	C4H8	000106-98-9	83
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80





Library Search Compound Report

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Data File : VU035277.D
Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

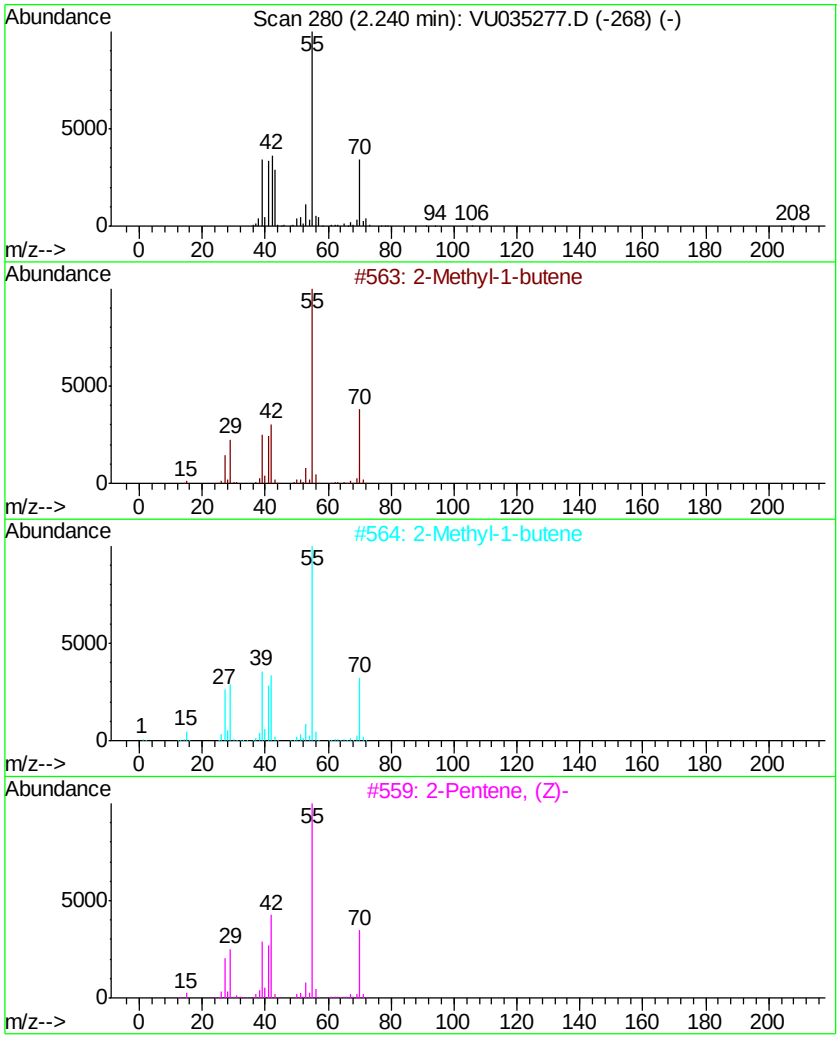
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

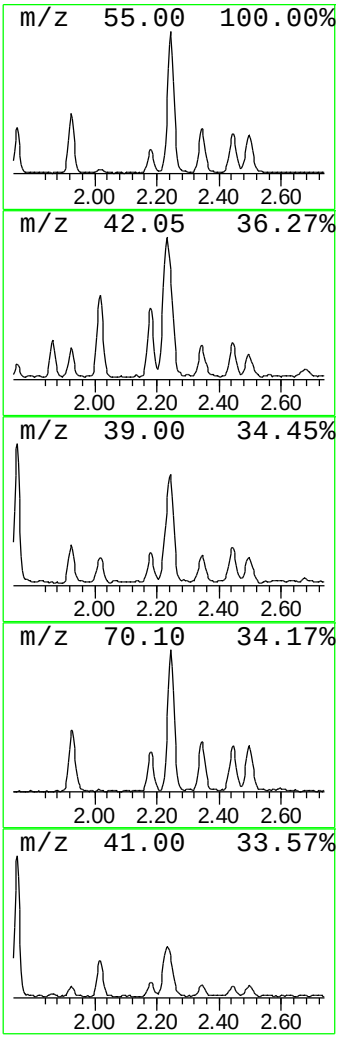
****

Peak Number 4 (DEL) Alkane: Cyclic2.24 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.24	1.64 ug/L	250747	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	87
2	2-Methyl-1-butene	70	C5H10	000563-46-2	87
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	87
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	83





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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

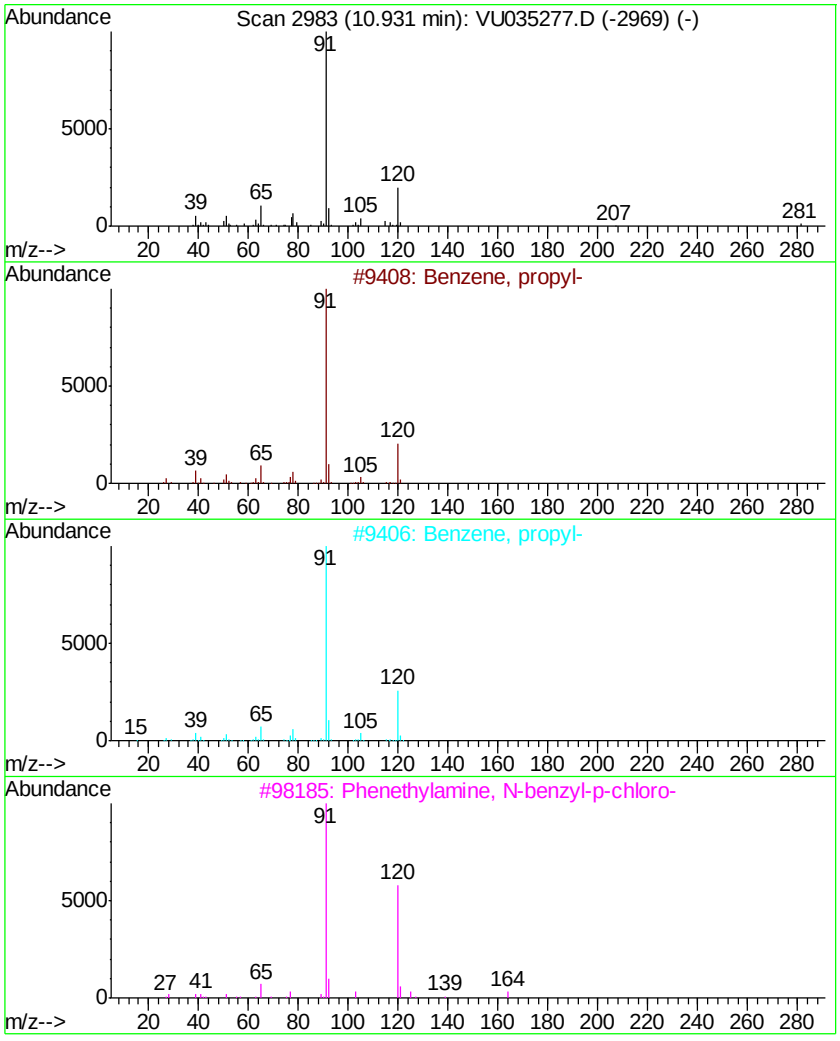
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

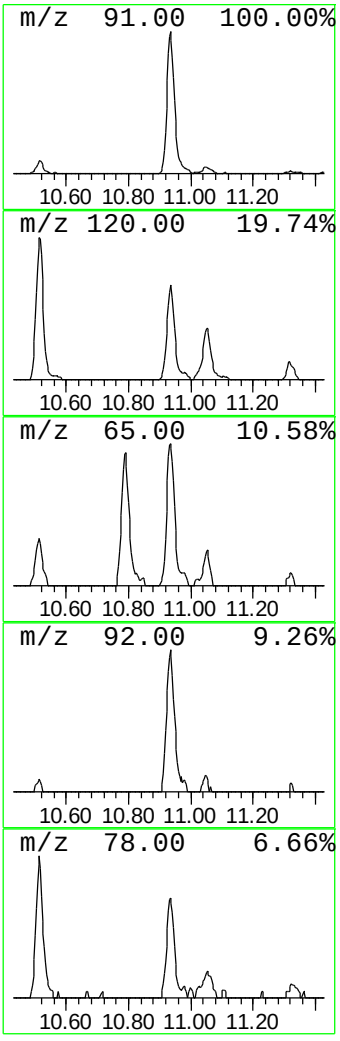
****

Peak Number 6 Benzene, propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	0.64 ug/L	95740	1,4-Dichlorobenzene-d4	11.84

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	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64





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Data File : VU035277.D
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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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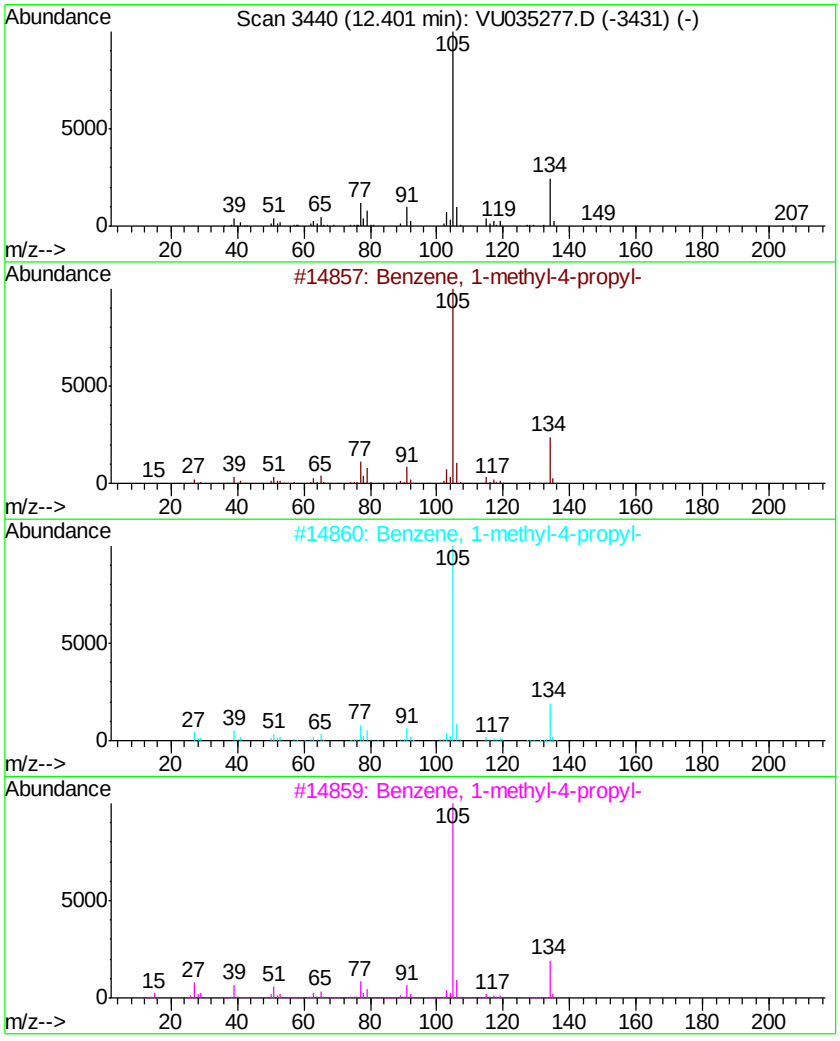
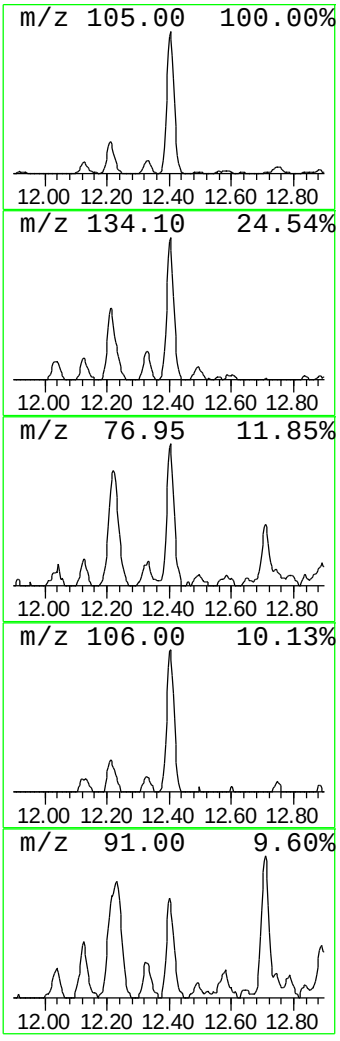
Peak Number 7 Benzene, 1-methyl-4-propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	0.85 ug/L	126816	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87





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Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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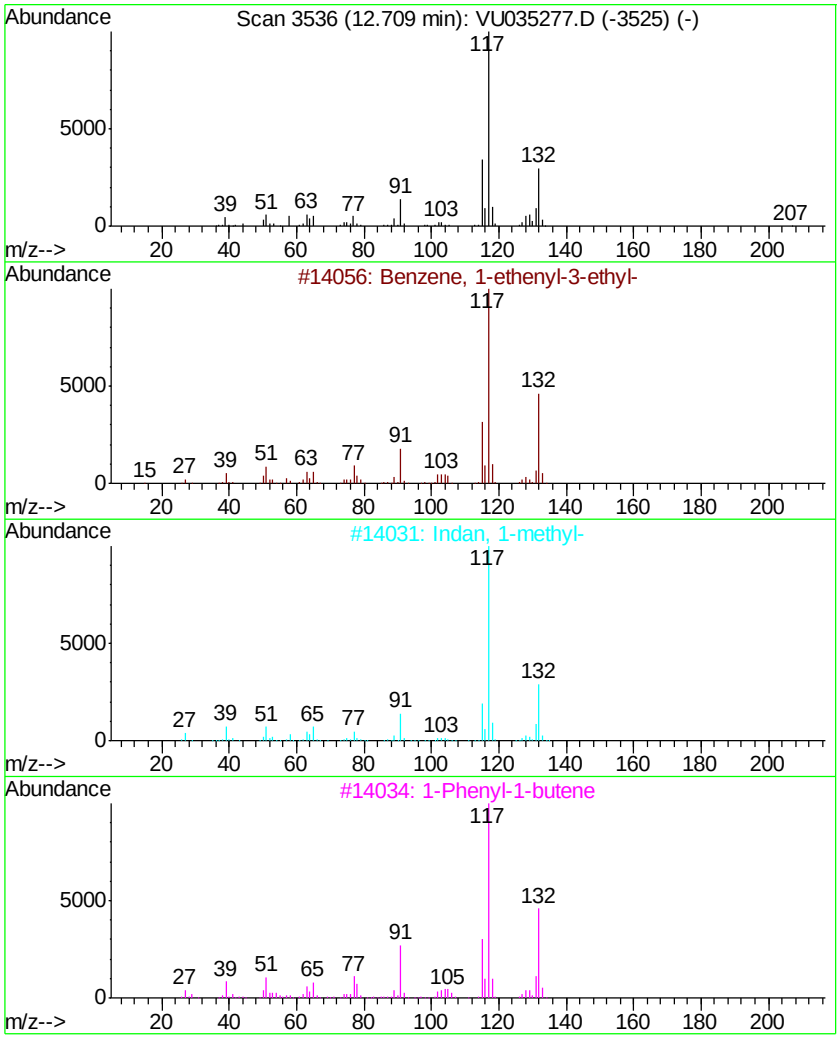
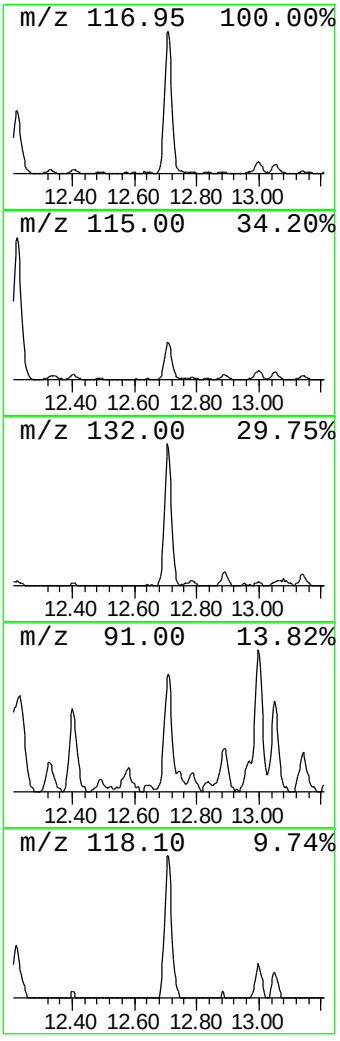
Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	1.05 ug/L	157191	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	86
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83





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Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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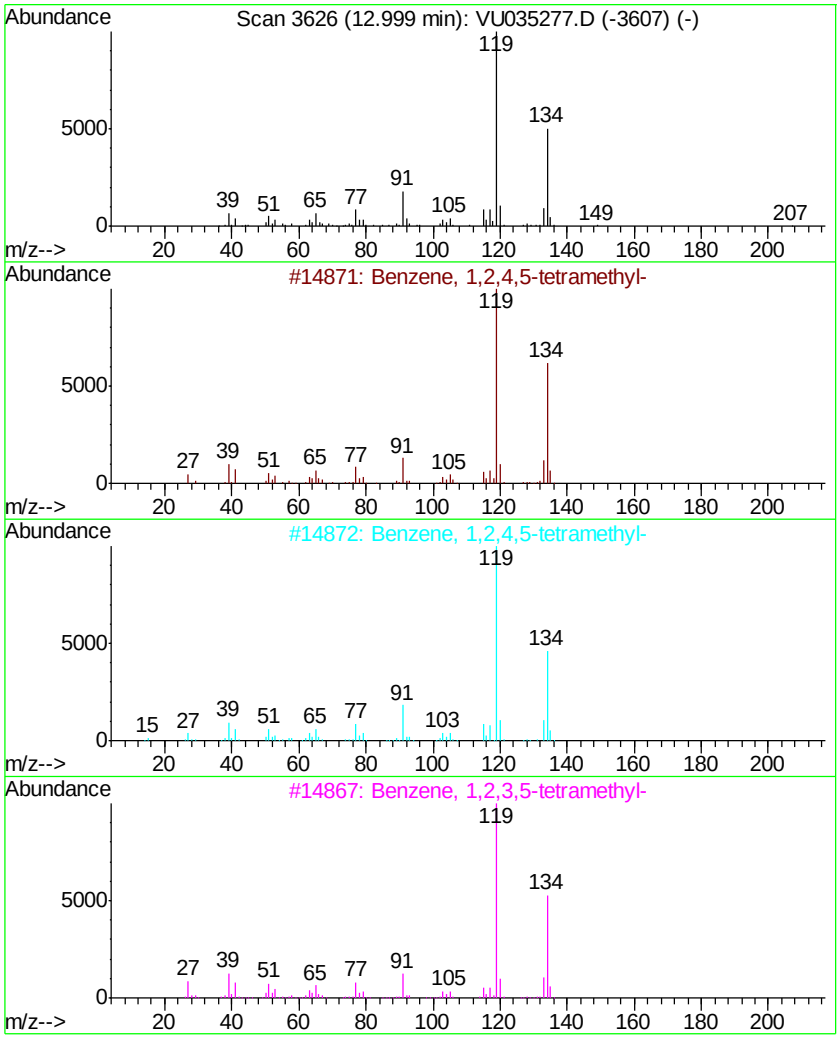
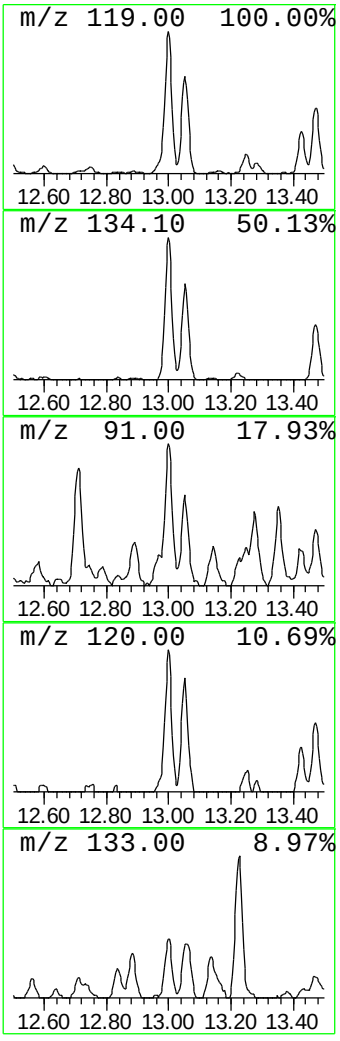
Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	1.08 ug/L	162003	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





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Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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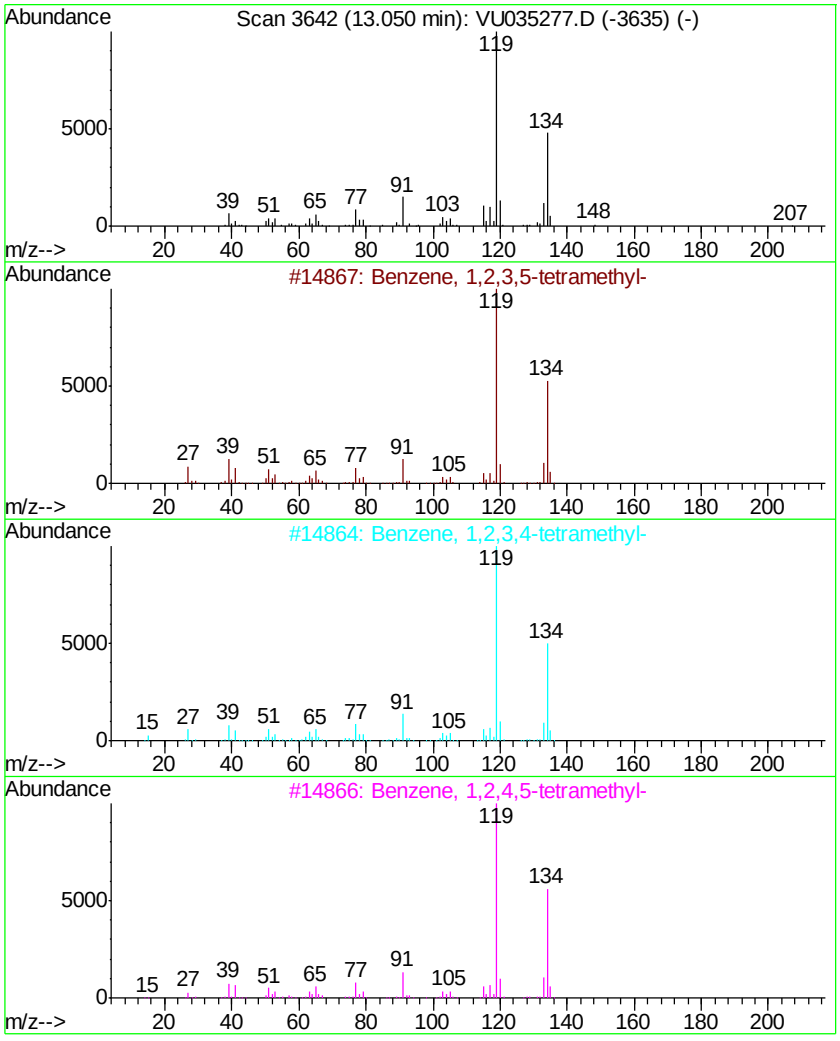
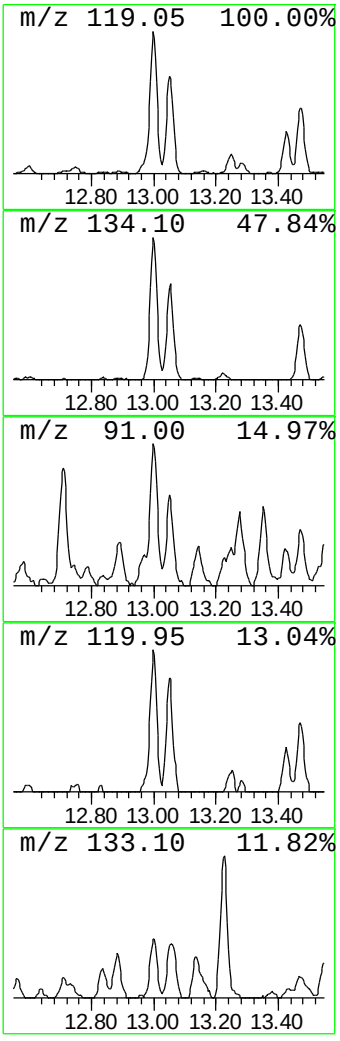
Peak Number 10 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	0.70 ug/L	105428	1,4-Dichlorobenzene-d4	11.84

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





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Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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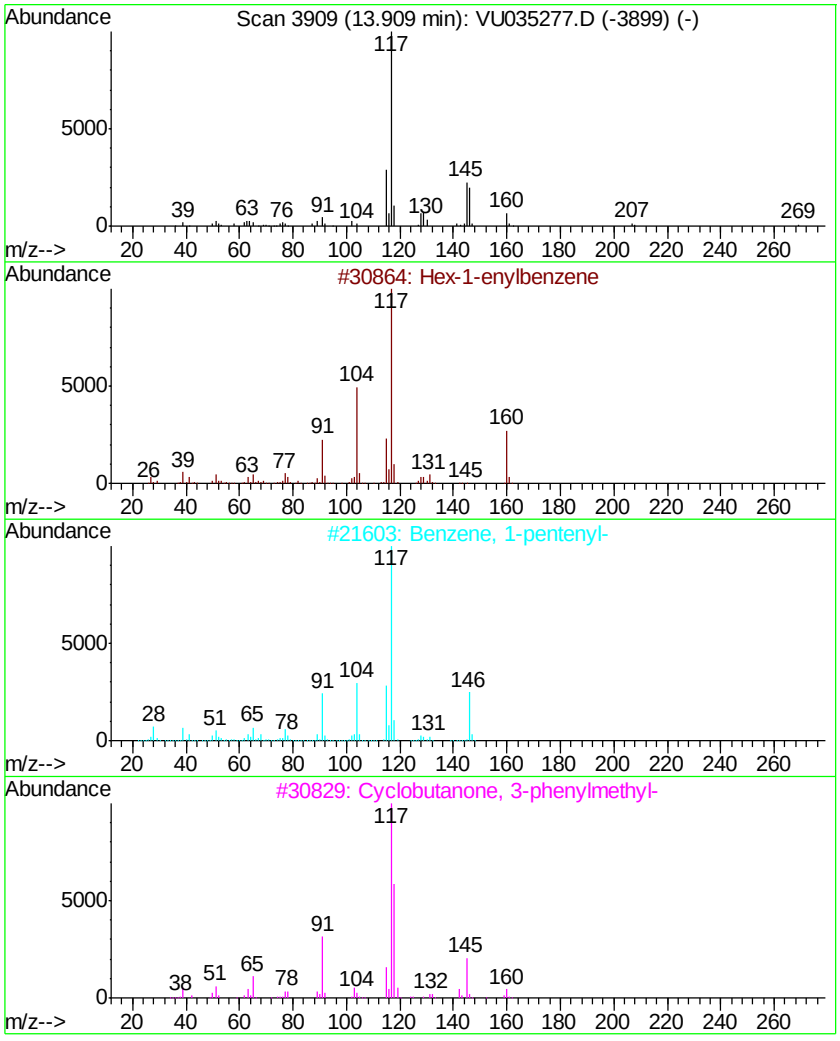
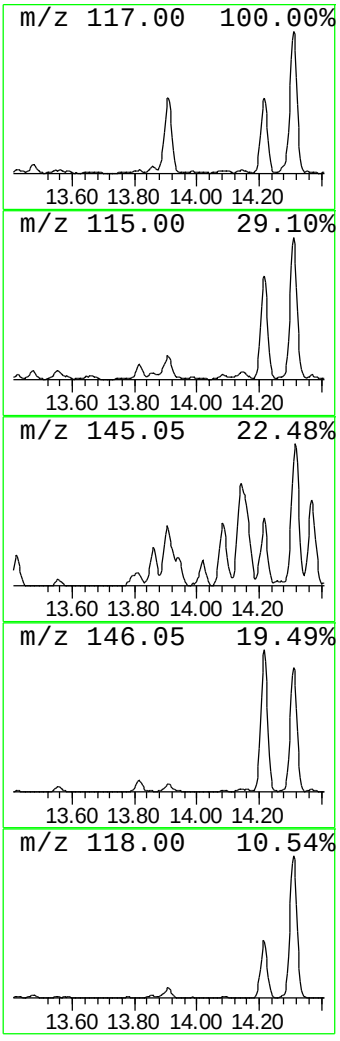
Peak Number 11 Hex-1-enylbenzene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	0.64 ug/L	96106	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hex-1-enylbenzene	160	C12H16	000828-15-9	72
2	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	64
3	Cyclobutanone, 3-phenylmethyl-	160	C11H12O	055262-02-7	64
4	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	59
5	5-Chloro-1-phenyl-1-pentene	180	C11H13Cl	016424-50-3	59





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Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

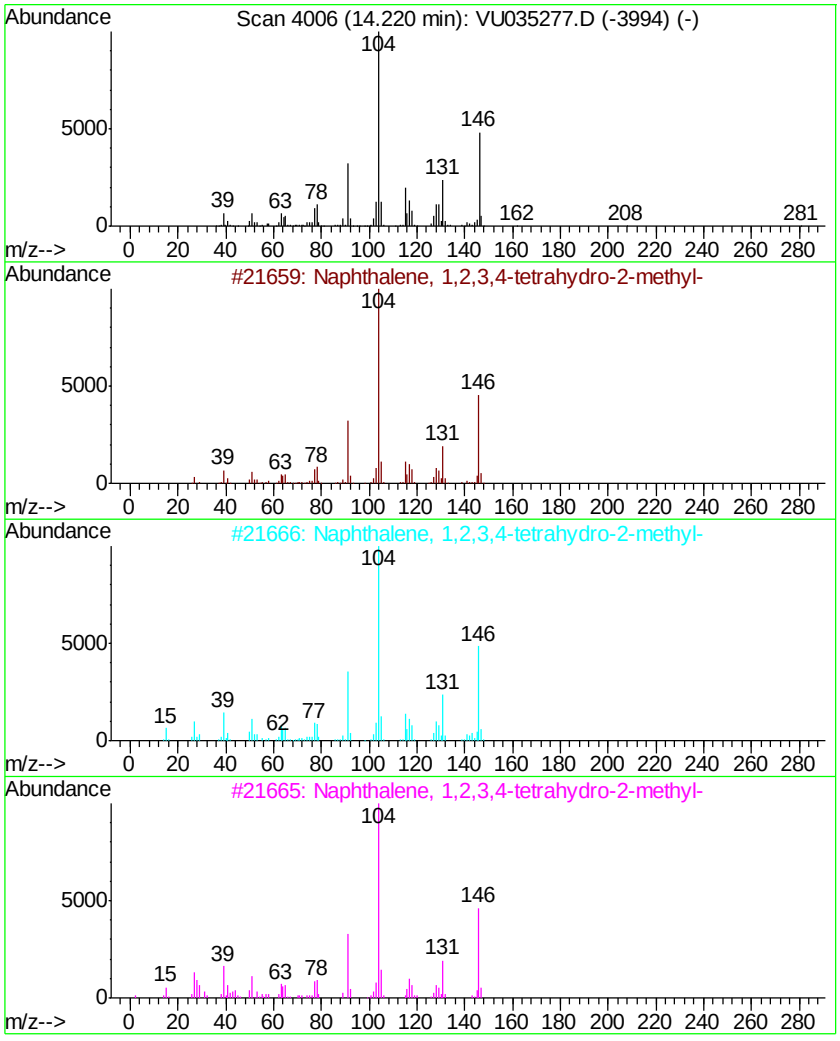
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

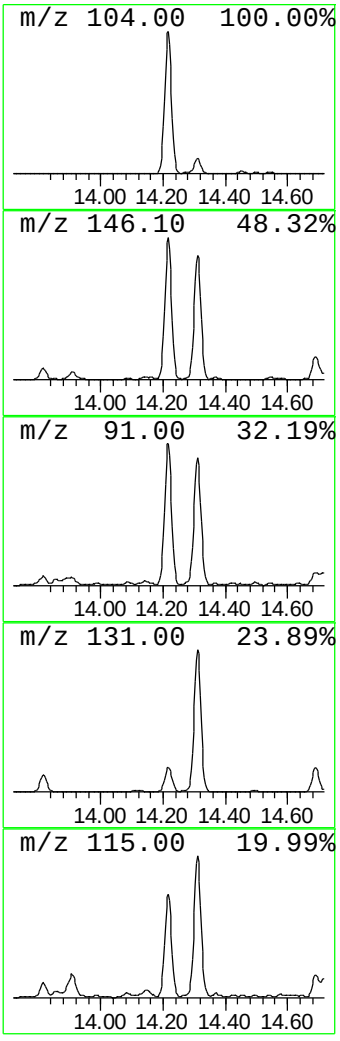
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	4.28 ug/L	641743	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
5	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	70





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Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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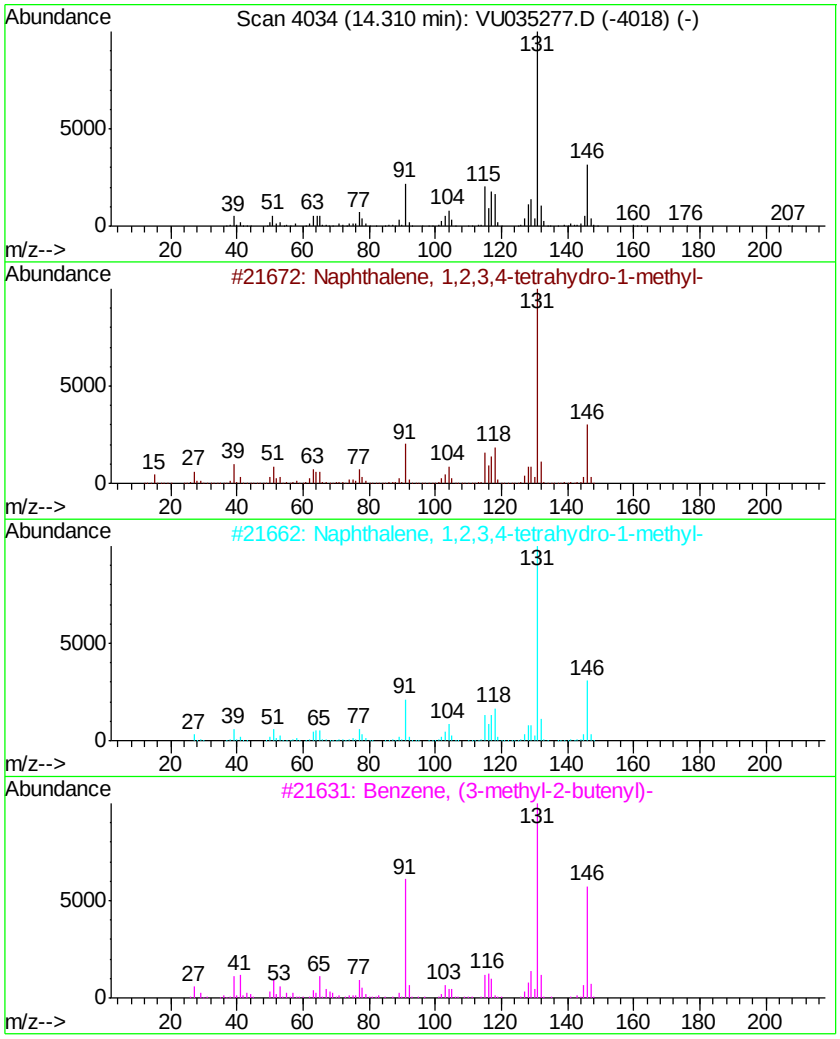
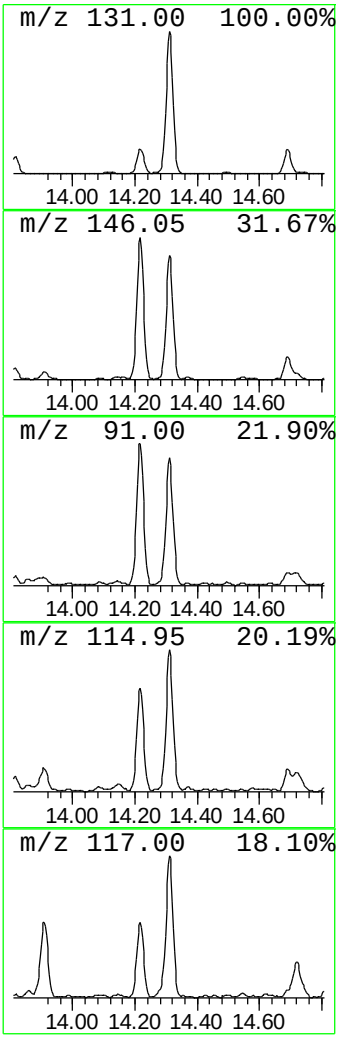
Peak Number 13 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	5.17 ug/L	774729	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	96
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	87





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Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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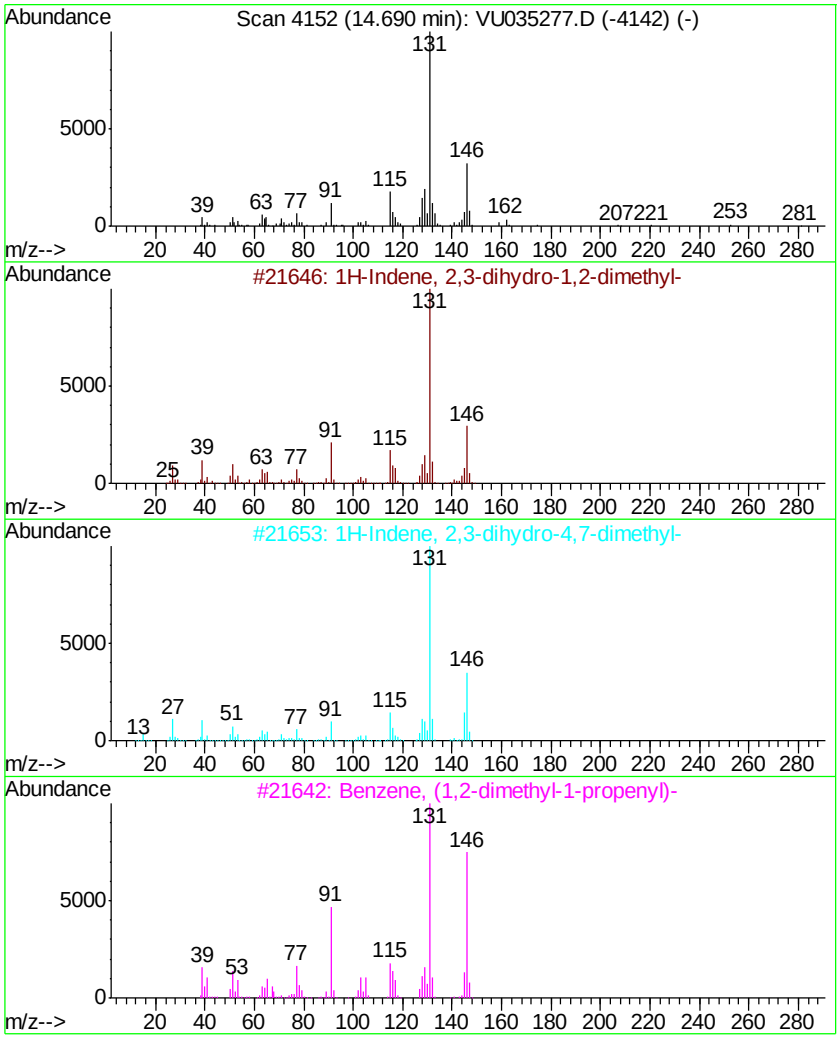
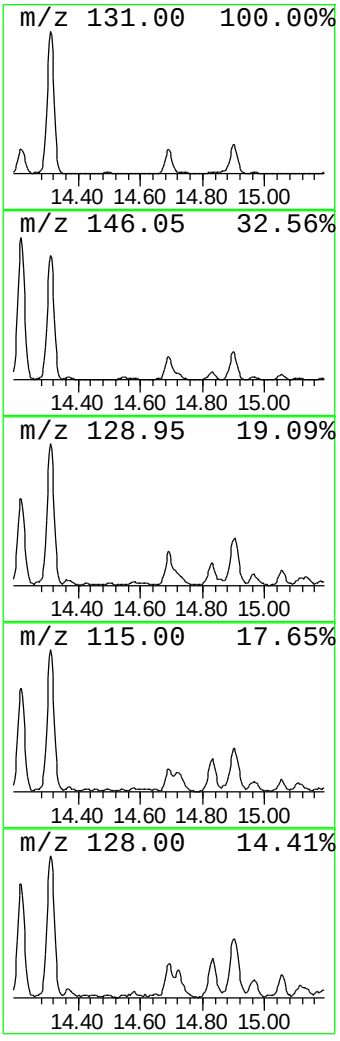
Peak Number 14 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	0.82 ug/L	123397	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90





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Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

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Quant Title : TRACE VOA SOM01.0

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

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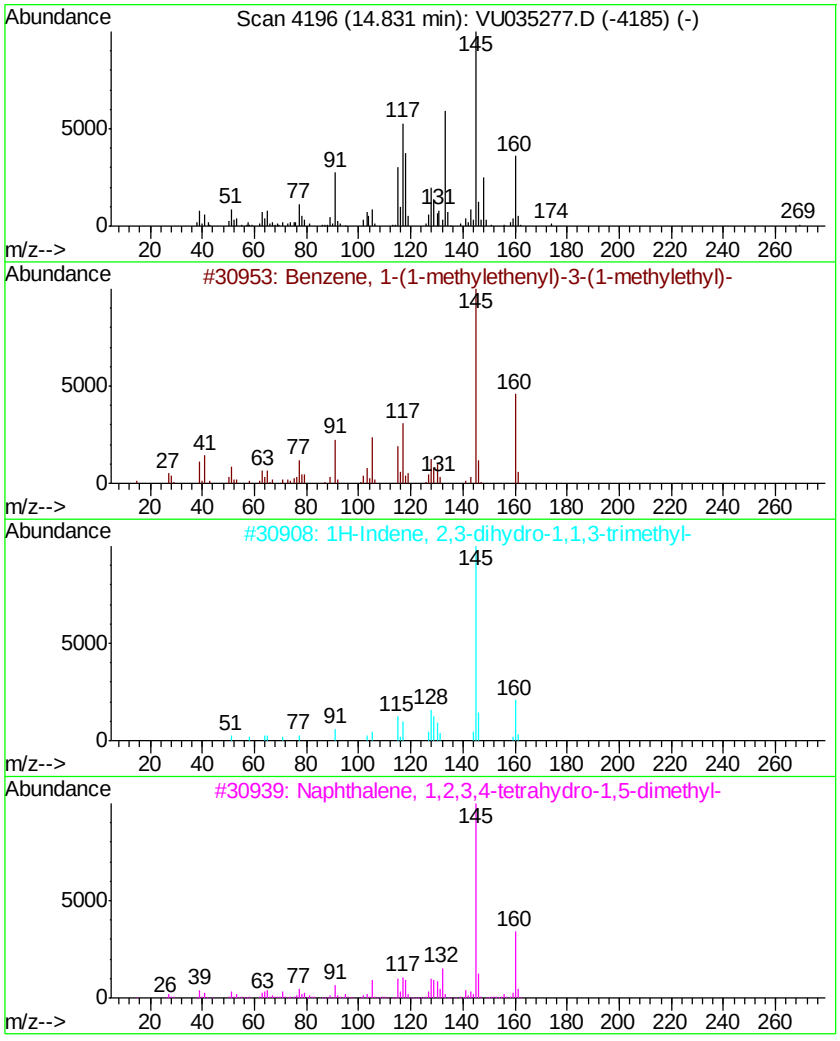
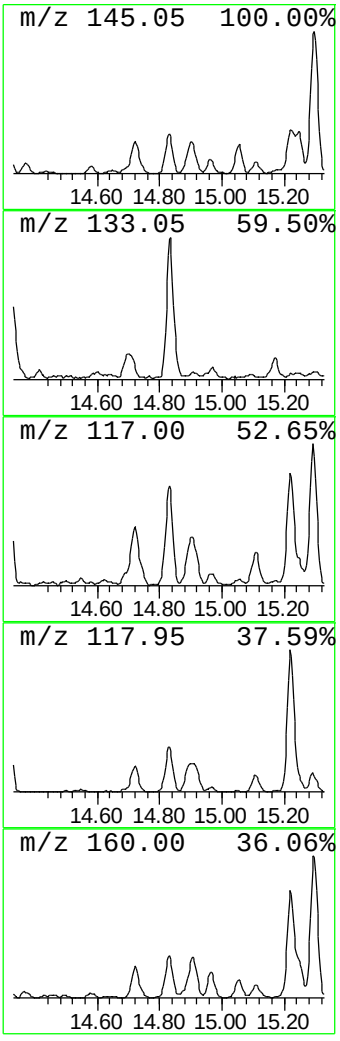
Peak Number 15 Benzene, 1-(1-methylethenyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	1.34 ug/L	200604	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	64
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	60
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	58
4	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	58
5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	55





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Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

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Quant Title : TRACE VOA SOM01.0

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

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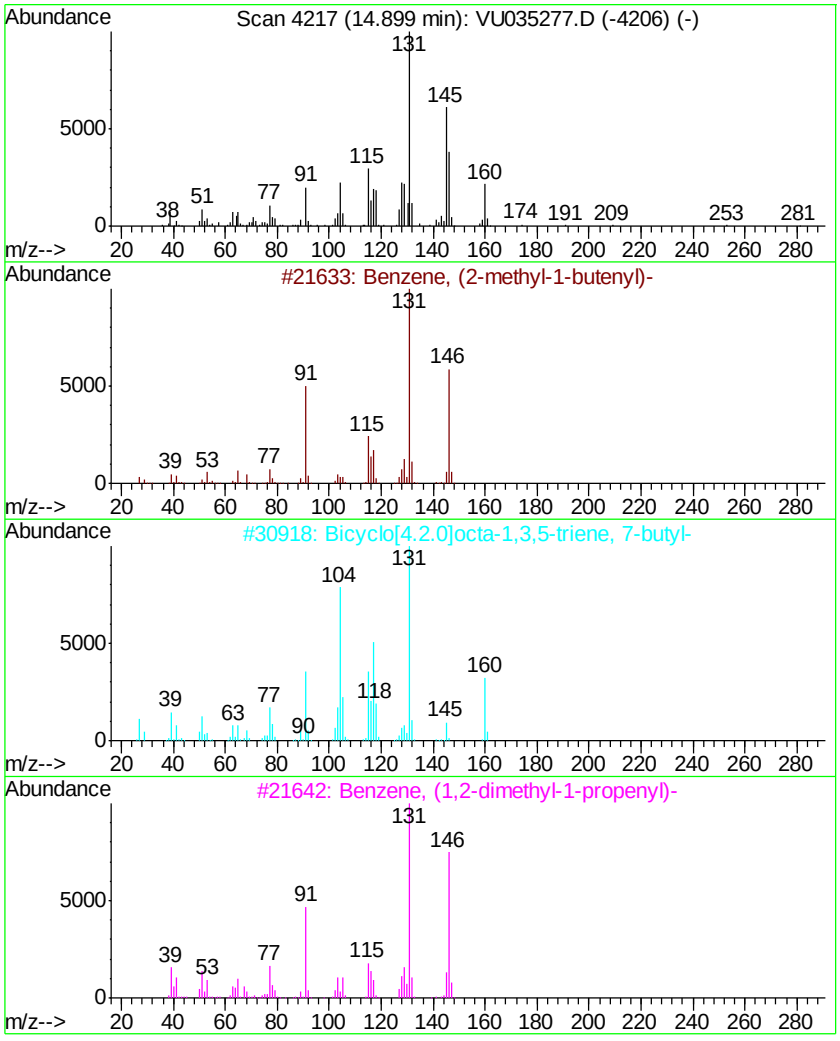
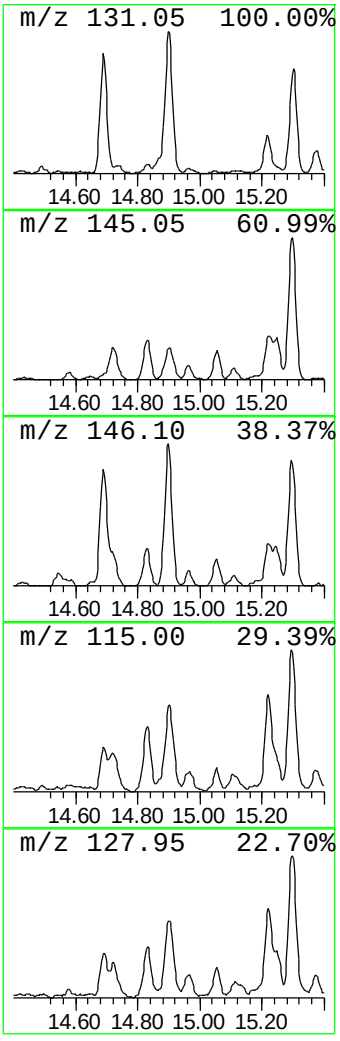
Peak Number 16 Benzene, (2-methyl-1-butenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	1.91 ug/L	286672	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	55
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	160	C12H16	078920-29-3	55
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	53
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	46





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Data File : VU035277.D
Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

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Quant Title : TRACE VOA SOM01.0

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

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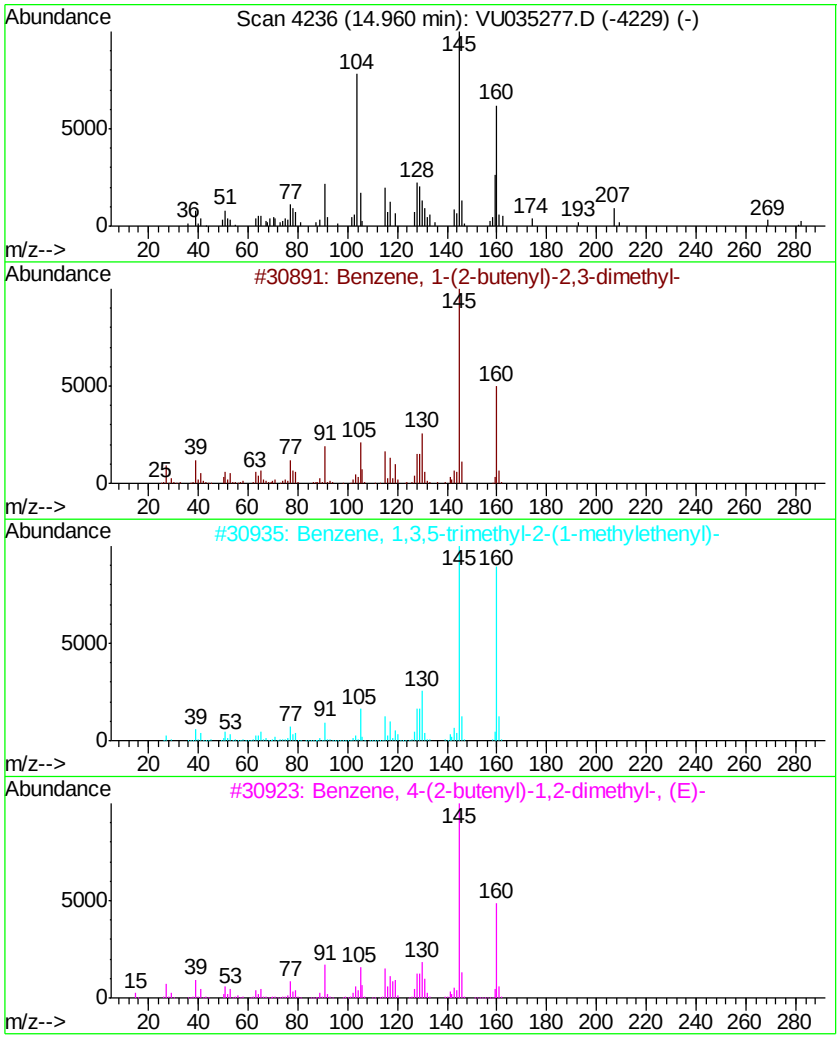
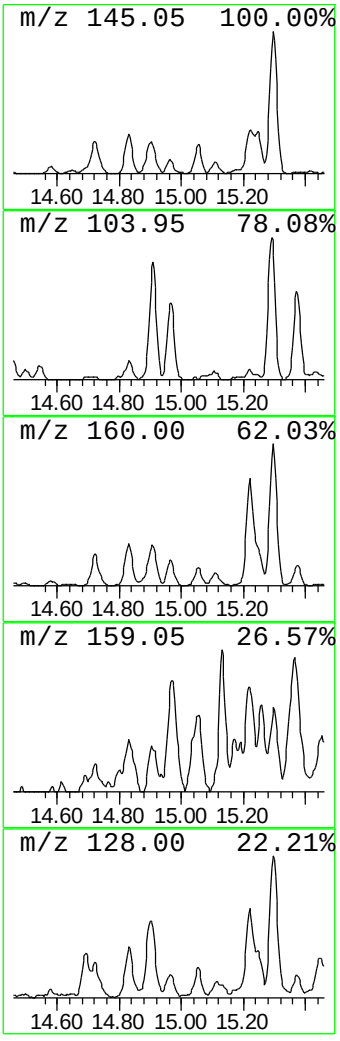
Peak Number 17 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	0.58 ug/L	86834	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	64
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	60
3	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	53
4	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	53
5	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	50





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Data File : VU035277.D
Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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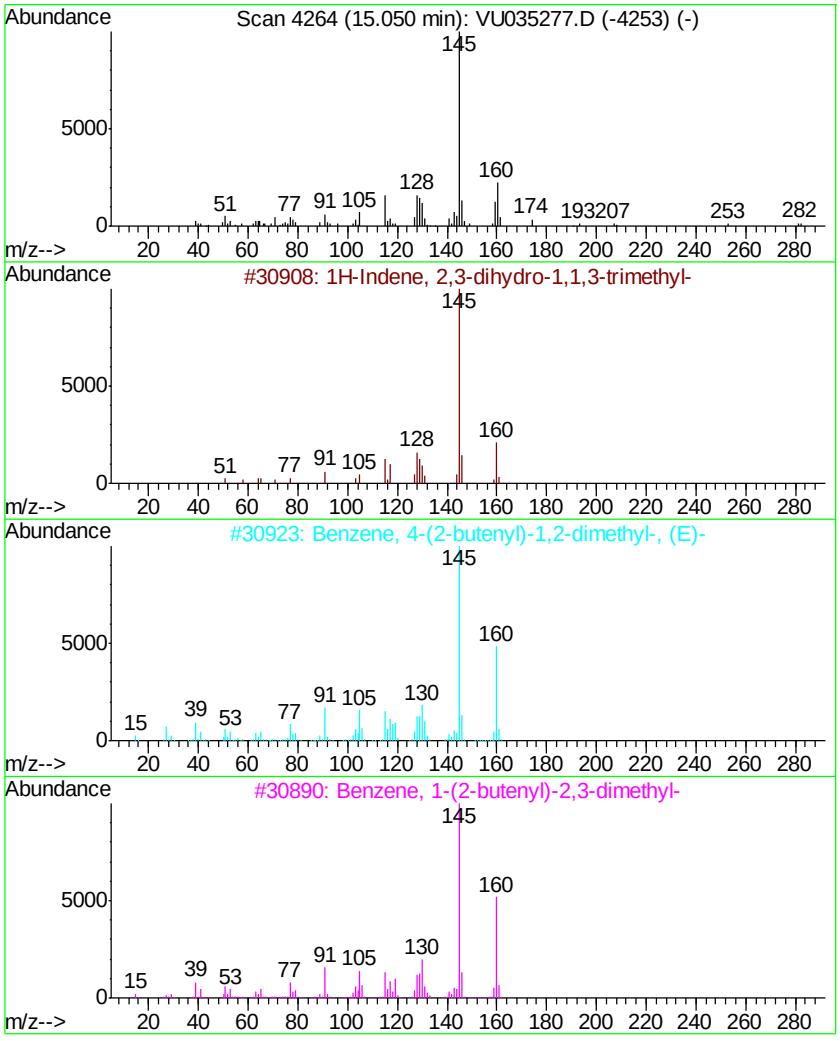
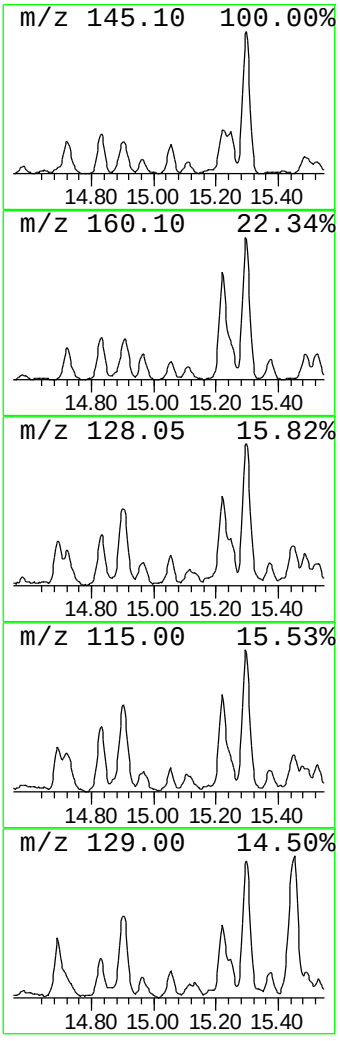
Peak Number 18 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	0.51 ug/L	76382	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	90
2	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	90
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	87
5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	87





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Data File : VU035277.D
Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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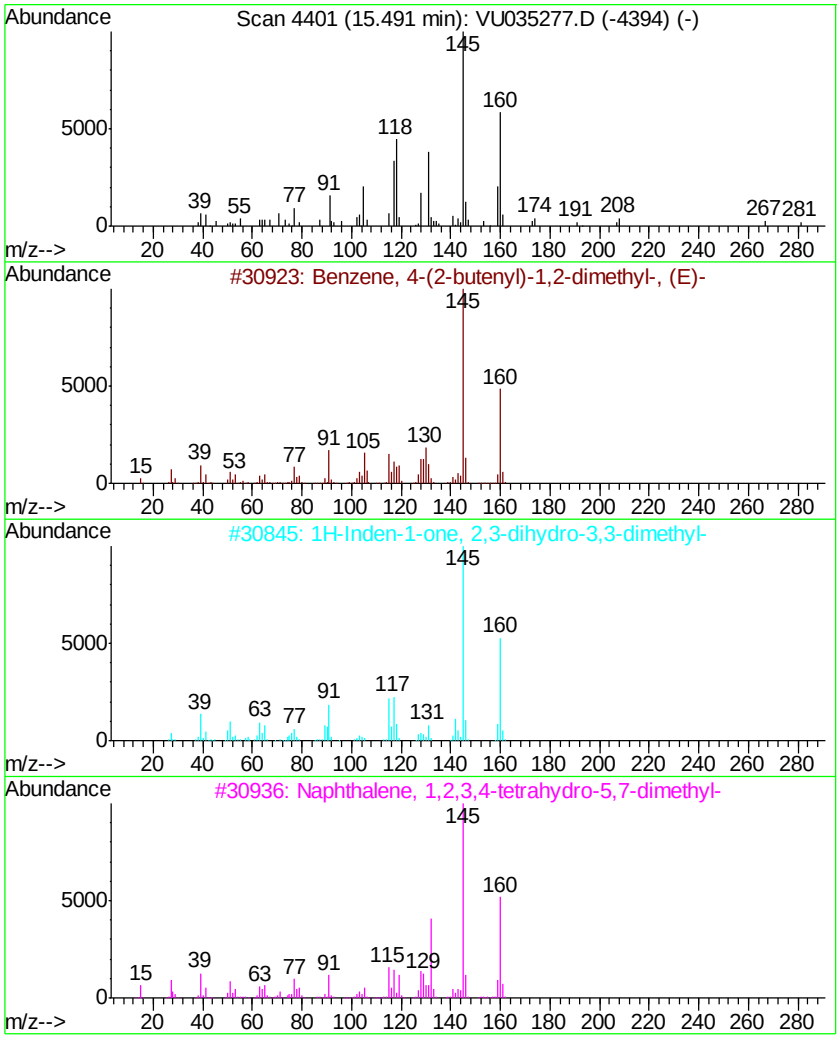
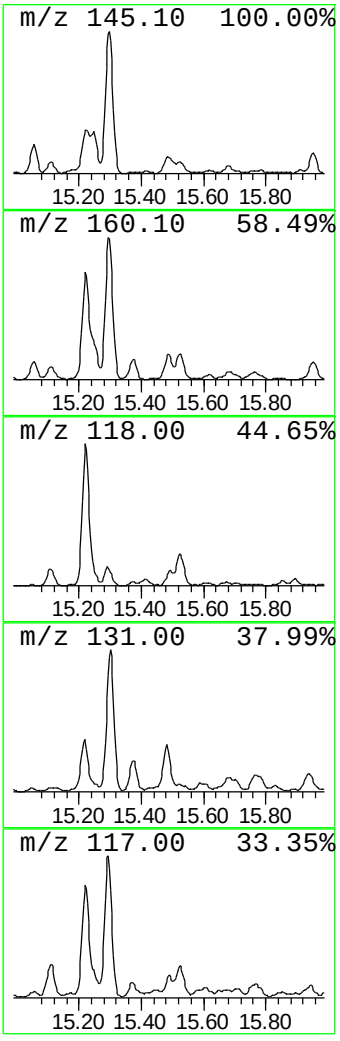
Peak Number 21 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	0.51 ug/L	76867	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	59
2	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	58
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	52
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	50
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	50





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Data File : VU035277.D
Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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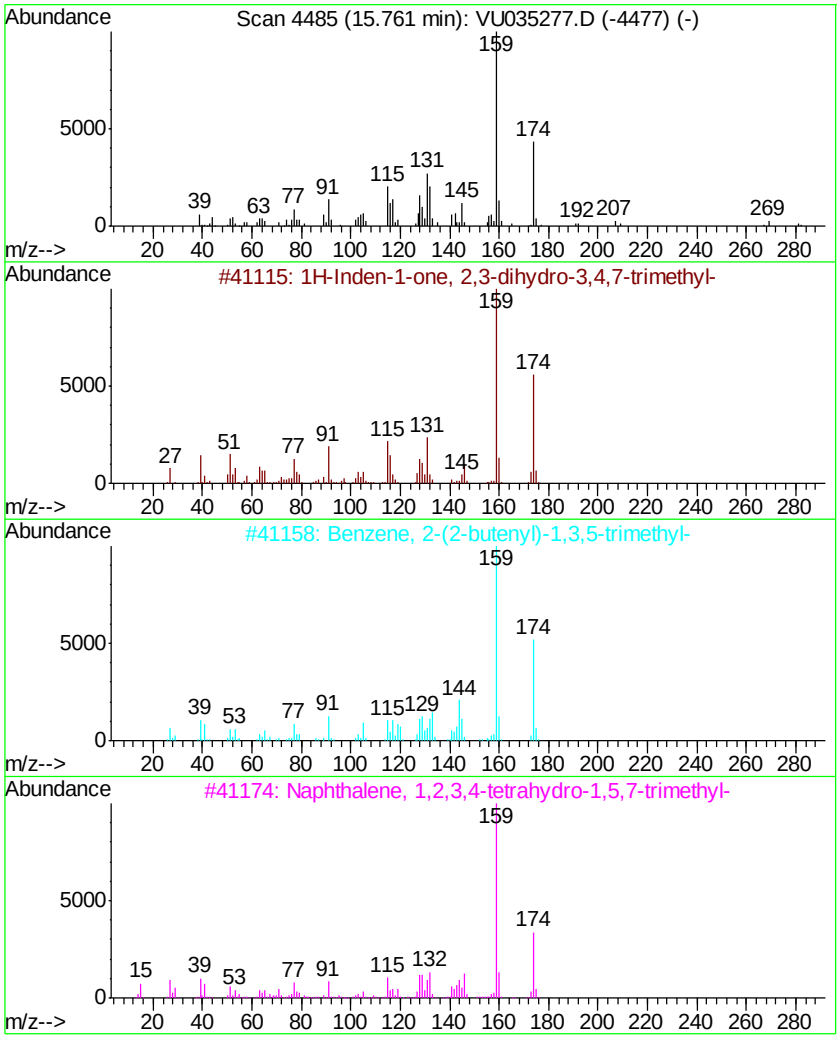
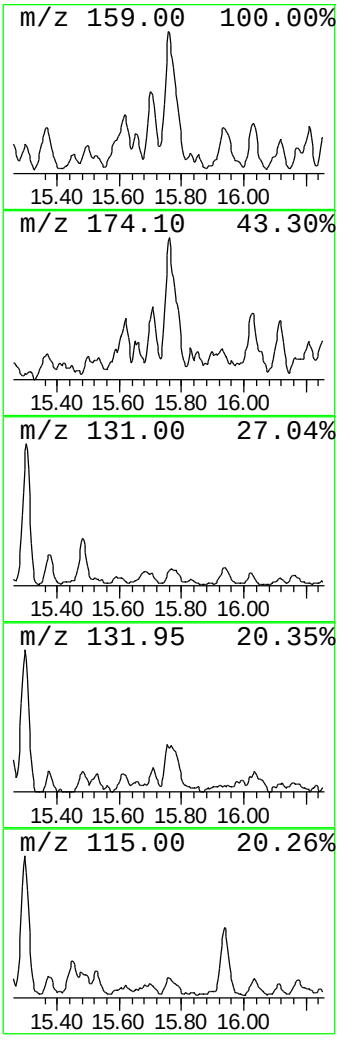
Peak Number 22 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	0.55 ug/L	82606	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-3,4,...	174	C12H14O	035322-84-0	91
2	Benzene, 2-(2-butenyl)-1,3,5-tri...	174	C13H18	063435-25-6	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-55-0	81
4	1H-Inden-1-one, 2,3-dihydro-3,4,...	174	C12H14O	035322-84-0	72
5	Ethanone, 1-[4-(1-methyl-2-prope...	174	C12H14O	109586-49-4	72





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Data File : VU035277.D
Acq On : 18 Oct 2019 19:34
Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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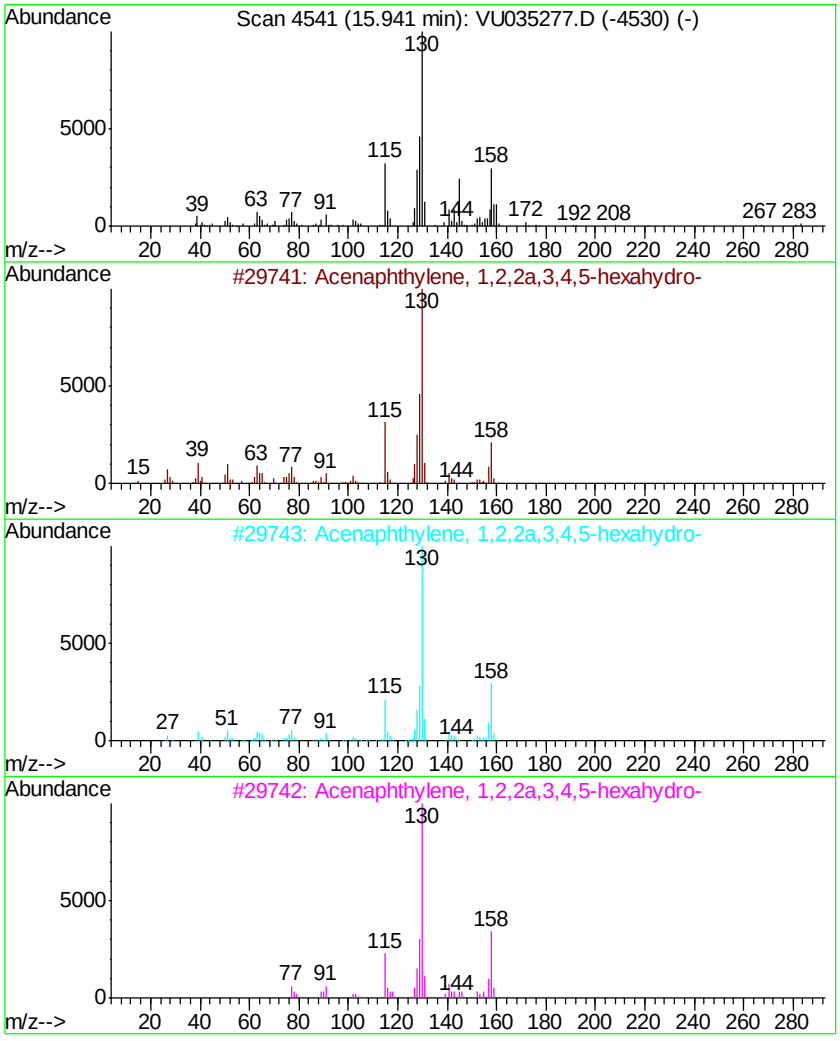
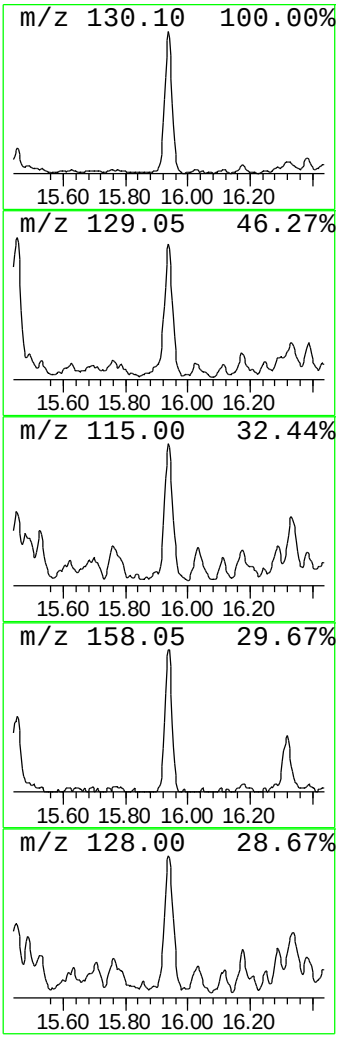
Peak Number 23 Acenaphthylene, 1,2,2a,3,4,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	1.14 ug/L	171456	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthylene, 1,2,2a,3,4,5-hex...	158	C12H14	000480-72-8	94
2	Acenaphthylene, 1,2,2a,3,4,5-hex...	158	C12H14	000480-72-8	62
3	Acenaphthylene, 1,2,2a,3,4,5-hex...	158	C12H14	000480-72-8	58
4	1,4-Methanonaphthalen-9-one, 1,2...	158	C11H10O	006165-88-4	50
5	9-Methylbenzonorbornen-2-one	172	C12H12O	1000110-51-6	50





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Operator : JC/SP
Sample : K5419-09
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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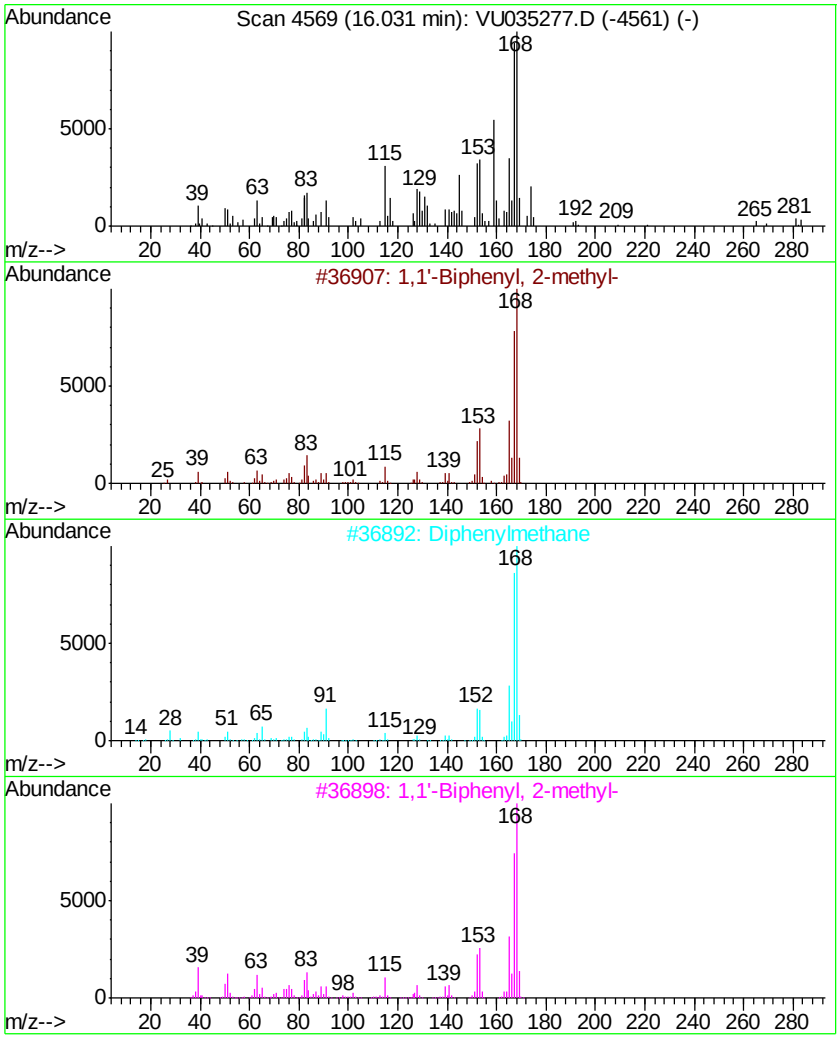
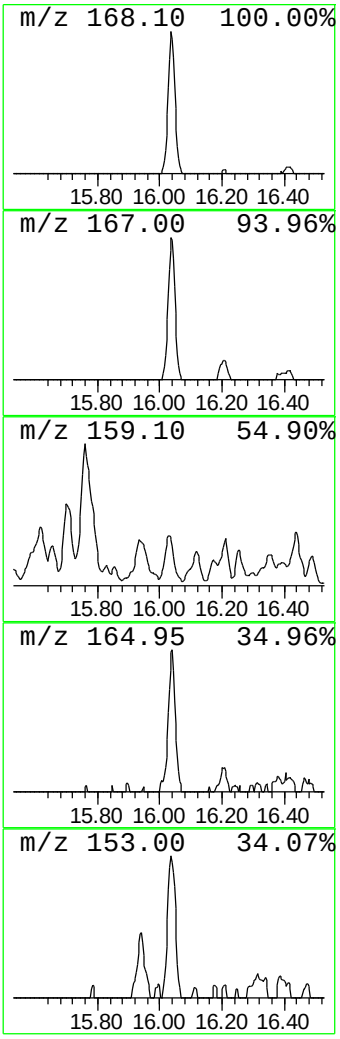
Peak Number 24 1,1'-Biphenyl, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	0.59 ug/L	89101	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	96
2	Diphenylmethane	168	C13H12	000101-81-5	94
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	91
4	Diphenylmethane	168	C13H12	000101-81-5	89
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	89





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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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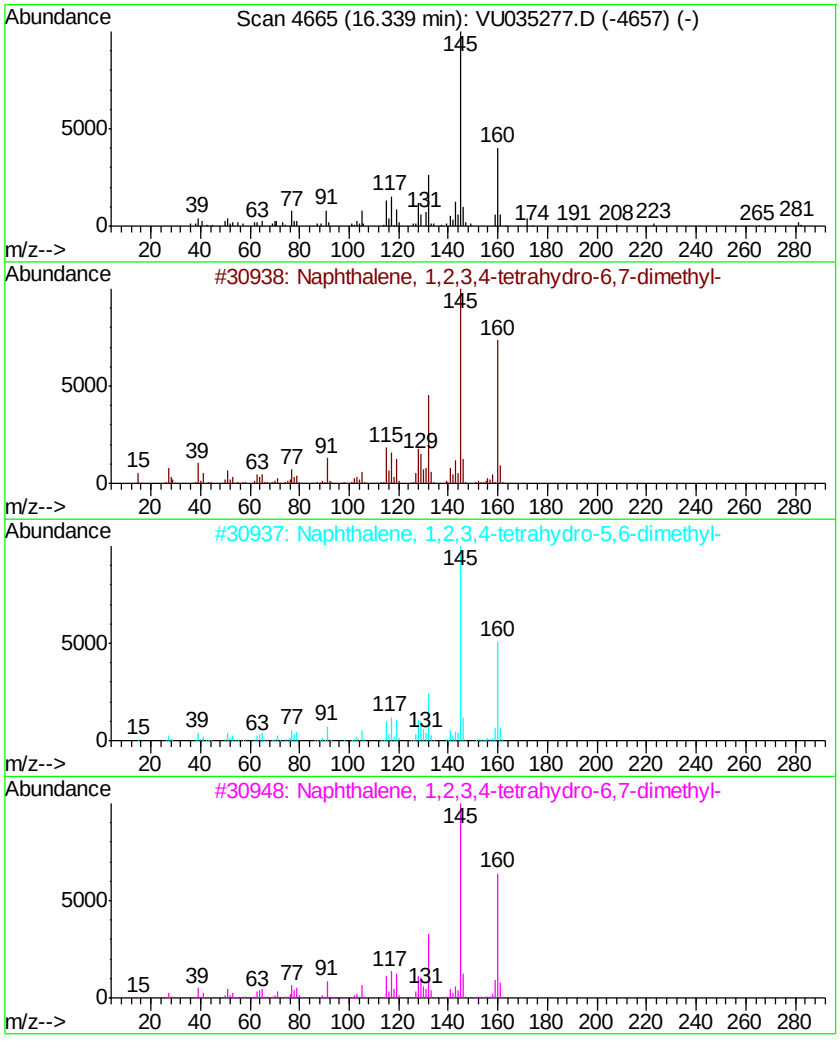
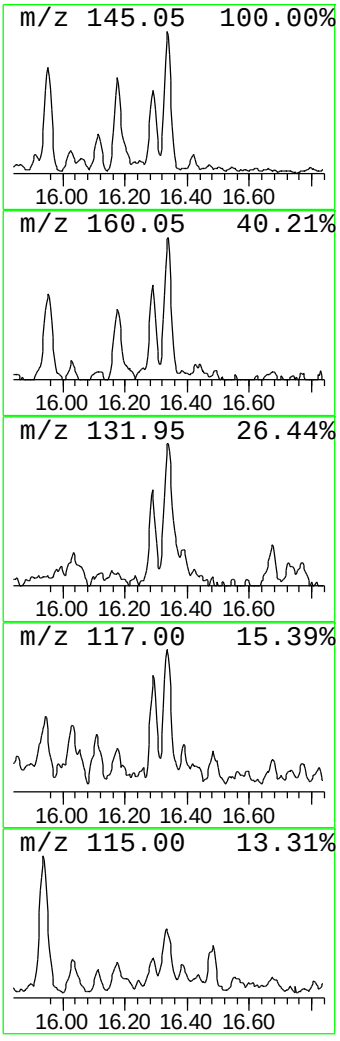
Peak Number 25 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	0.52 ug/L	77396	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	93
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	93
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	93





Tentatively Identified Compound (LSC) summary

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ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId : H0G58

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.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: Cyc...	1.37	2.8	ug/L	425718	1	6.29	766808	5.0
(DEL) Alkane: Cyc...	1.68	0.6	ug/L	92984	1	6.29	766808	5.0
(DEL) Alkane: Cyc...	1.75	0.9	ug/L	135220	1	6.29	766808	5.0
(DEL) Alkane: Cyc...	2.24	1.6	ug/L	250747	1	6.29	766808	5.0
Benzene, propyl-	10.93	0.6	ug/L	95740	3	11.84	749914	5.0
Benzene, 1-methyl...	12.40	0.8	ug/L	126816	3	11.84	749914	5.0
Benzene, 1-etheny...	12.71	1.1	ug/L	157191	3	11.84	749914	5.0
Benzene, 1,2,4,5-...	13.00	1.1	ug/L	162003	3	11.84	749914	5.0
Benzene, 1,2,3,5-...	13.05	0.7	ug/L	105428	3	11.84	749914	5.0
Hex-1-enylbenzene	13.91	0.6	ug/L	96106	3	11.84	749914	5.0
Naphthalene, 1,2,...	14.22	4.3	ug/L	641743	3	11.84	749914	5.0
Naphthalene, 1,2,...	14.31	5.2	ug/L	774729	3	11.84	749914	5.0
1H-Indene, 2,3-di...	14.69	0.8	ug/L	123397	3	11.84	749914	5.0
Benzene, 1-(1-met...	14.83	1.3	ug/L	200604	3	11.84	749914	5.0
Benzene, (2-methy...	14.90	1.9	ug/L	286672	3	11.84	749914	5.0
Benzene, 1-(2-but...	14.96	0.6	ug/L	86834	3	11.84	749914	5.0
1H-Indene, 2,3-di...	15.05	0.5	ug/L	76382	3	11.84	749914	5.0
Benzene, 4-(2-but...	15.49	0.5	ug/L	76867	3	11.84	749914	5.0
1H-Inden-1-one, 2...	15.76	0.6	ug/L	82606	3	11.84	749914	5.0
Acenaphthylene, 1...	15.94	1.1	ug/L	171456	3	11.84	749914	5.0
1,1'-Biphenyl, 2-...	16.03	0.6	ug/L	89101	3	11.84	749914	5.0
Naphthalene, 1,2,...	16.34	0.5	ug/L	77396	3	11.84	749914	5.0