LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

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\SOMUTR051619WMA.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	1.395	88	95	108	rBV	246731	269071	6.62%	0.604%
2	1.672	174	181	196	rVB	179150	247462	6.09%	0.555%
3	2.267	356	366	379	rBV	420376	642595	15.82%	1.442%
4	2.736	506	512	525	rVB5	25234	42402	1.04%	0.095%
5	2.984	575	589	600	rVB5	31946	67685	1.67%	0.152%
6	4.077	913	929	949	rBV4	53562	142394	3.51%	0.319%
7	4.190	951	964	997	rBV	206046	555377	13.67%	1.246%
8	4.643	1089	1105	1121	rBV	263994	631245	15.54%	1.416%
9	4.980	1193	1210	1225	rBV4	117621	290621	7.16%	0.652%
10	5.064	1226	1236	1257	rVB5	25724	75112	1.85%	0.169%
11	5.212	1265	1282	1287	rBV6	34373	79561	1.96%	0.178%
12	5.331	1301	1319	1339	rVB3	545129	1439096	35.43%	3.229%
13	5.469	1349	1362	1374	rBV3	76639	161893	3.99%	0.363%
14	5.543	1375	1385	1396	rVV4	68608	150825	3.71%	0.338%
15	5.614	1396	1407	1425	rVB4	97165	221372	5.45%	0.497%
16	5.881	1476	1490	1524	rBV	482209	1029102	25.34%	2.309%
17	6.328	1614	1629	1639	rBV	332178	666914	16.42%	1.496%
18	6.405	1640	1653	1668	rVB3	347196	812691	20.01%	1.823%
19	6.633	1713	1724	1736	rBV5	35325	68563	1.69%	0.154%
20	6.730	1739	1754	1766	rVB5	30790	66862	1.65%	0.150%
21	6.894	1797	1805	1830	rVB7	31440	76813	1.89%	0.172%
22	7.058	1841	1856	1866	rBV4	21834	53702	1.32%	0.120%
23	7.225	1894	1908	1928	rBV	162555	361360	8.90%	0.811%
24	7.427	1961	1971	1986	rVB5	29981	66153	1.63%	0.148%
25	7.524	1986	2001	2004	rBV2	164772	268197	6.60%	0.602%
26	7.559	2004	2012	2033	rVB	771686	1398442	34.43%	3.137%
27	7.704	2046	2057	2065	rBV4	83720	165258	4.07%	0.371%
28	7.849	2092	2102	2111	rBV3	101211	178122	4.39%	0.400%
29	7.913	2112	2122	2141	rVB3	165597	305643	7.53%	0.686%
30	8.038	2145	2161	2170	rBV3	98195	192331	4.74%	0.432%
31	8.090	2170	2177	2187	rVB2	48686	70940	1.75%	0.159%
32	8.312	2236	2246	2262	rBV	752872	1373802	33.82%	3.082%
33	8.482	2288	2299	2308	rVB7	65569	130887	3.22%	0.294%
34	8.540	2309	2317	2328	rBV3	68120	121796	3.00%	0.273%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

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\SOMUTR051619WMA.M
Title : TRACE VOA SOM01.0

35	8.601	2328	2336	2344	rVB3	49053	81202	2.00%	0.182%
36	8.758	2373	2385	2394	rBV5	38287	67412	1.66%	0.151%
37	8.848	2399	2413	2417	rBV6	35030	69133	1.70%	0.155%
38	9.003	2453	2461	2472	rVB3	40948	70668	1.74%	0.159%
39	9.086	2474	2487	2507	rBV	701570	1246092	30.68%	2.796%
40	9.180	2508	2516	2529	rVB2	139473	250512	6.17%	0.562%
41	9.357	2560	2571	2592	rVB7	116196	287362	7.08%	0.645%
42	9.566	2625	2636	2653	rVB5	44059	90415	2.23%	0.203%
43	9.739	2666	2690	2701	rBV5	74098	234547	5.77%	0.526%
44	9.919	2730	2746	2748	rBV8	23915	51984	1.28%	0.117%
45	9.948	2748	2755	2771	rVV4	64353	117267	2.89%	0.263%
46	10.041	2775	2784	2800	rVV9	41535	86616	2.13%	0.194%
47	10.164	2811	2822	2833	rBV	714878	1150329	28.32%	2.581%
48	10.369	2876	2886	2894	rBV3	55394	91010	2.24%	0.204%
49	10.427	2894	2904	2916	rVV	268196	461695	11.37%	1.036%
50	10.488	2917	2923	2932	rVB5	38353	60936	1.50%	0.137%
51	10.585	2941	2953	2979	rBV	1404748	2246360	55.31%	5.040%
52	10.694	2980	2987	2999	rVB7	26082	55815	1.37%	0.125%
53	10.971	3054	3073	3092	rBV	132016	264362	6.51%	0.593%
54	11.096	3104	3112	3121	rVB2	67440	99328	2.45%	0.223%
55	11.289	3159	3172	3176	rBV2	171285	275125	6.77%	0.617%
56	11.321	3177	3182	3200	rVB	220847	325906	8.02%	0.731%
57	11.479	3220	3231	3252	rBV	737701	1232560	30.35%	2.765%
58	11.565	3252	3258	3271	rVB	43513	65671	1.62%	0.147%
59	11.684	3284	3295	3307	rVB2	201798	323324	7.96%	0.725%
60	11.768	3307	3321	3338	rBV3	1574310	3327930	81.94%	7.466%
61	11.858	3338	3349	3375	rVV4	1037162	1989518	48.98%	4.464%
62	11.977	3376	3386	3401	rVV	272319	445375	10.97%	0.999%
63	12.054	3401	3410	3422	rVB2	36781	59462	1.46%	0.133%
64	12.141	3429	3437	3449	rVB	103284	150303	3.70%	0.337%
65	12.247	3455	3470	3476	rBV	996223	1549644	38.15%	3.477%
66	12.282	3476	3481	3491	rVV	602412	891556	21.95%	2.000%
67	12.350	3491	3502	3523	rVV2	1723493	3242238	79.83%	7.274%
68	12.491	3539	3546	3551	rBV3	29913	44351	1.09%	0.100%
69	12.533	3551	3559	3575	rVB	215636	358201	8.82%	0.804%
70	12.646	3575	3594	3606	rBV	805062	1318223	32.46%	2.957%
71	12.717	3609	3616	3627	rVB6	43366	74200	1.83%	0.166%

LSC Area Percent Report

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Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

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\SOMUTR051619WMA.M
Title : TRACE VOA SOM01.0

72	12.784	3627	3637	3652	rBV2	187416	307620	7.57%	0.690%
73	12.877	3658	3666	3671	rBV2	41988	64971	1.60%	0.146%
74	12.922	3671	3680	3683	rBV	75940	106797	2.63%	0.240%
75	12.961	3683	3692	3700	rBV	669073	956880	23.56%	2.147%
76	13.118	3719	3741	3754	rBV2	2579627	4061571	100.00%	9.112%
77	13.189	3757	3763	3772	rVV6	90785	161839	3.98%	0.363%
78	13.286	3772	3793	3819	rVB3	343966	699045	17.21%	1.568%
79	13.405	3821	3830	3836	rBV4	60147	100555	2.48%	0.226%
80	13.450	3836	3844	3853	rVV	170338	295792	7.28%	0.664%
81	13.504	3853	3861	3869	rVV3	224080	372881	9.18%	0.837%
82	13.575	3870	3883	3886	rVV3	170334	344563	8.48%	0.773%
83	13.604	3887	3892	3916	rVB2	281026	496823	12.23%	1.115%
84	13.739	3922	3934	3945	rBV	265242	479814	11.81%	1.076%
85	13.951	3992	4000	4010	rVV6	58461	99364	2.45%	0.223%
86	14.009	4010	4018	4029	rVB3	62294	101083	2.49%	0.227%
87	14.151	4051	4062	4079	rVB5	39634	86044	2.12%	0.193%
88	14.331	4108	4118	4130	rBV2	55984	108868	2.68%	0.244%
89	14.536	4173	4182	4193	rVB4	26549	47477	1.17%	0.107%
90	14.678	4216	4226	4241	rBV7	21450	46208	1.14%	0.104%
91	14.880	4277	4289	4316	rBV3	100309	253695	6.25%	0.569%
92	15.060	4335	4345	4361	rBV2	96998	199550	4.91%	0.448%

Sum of corrected areas: 44572361

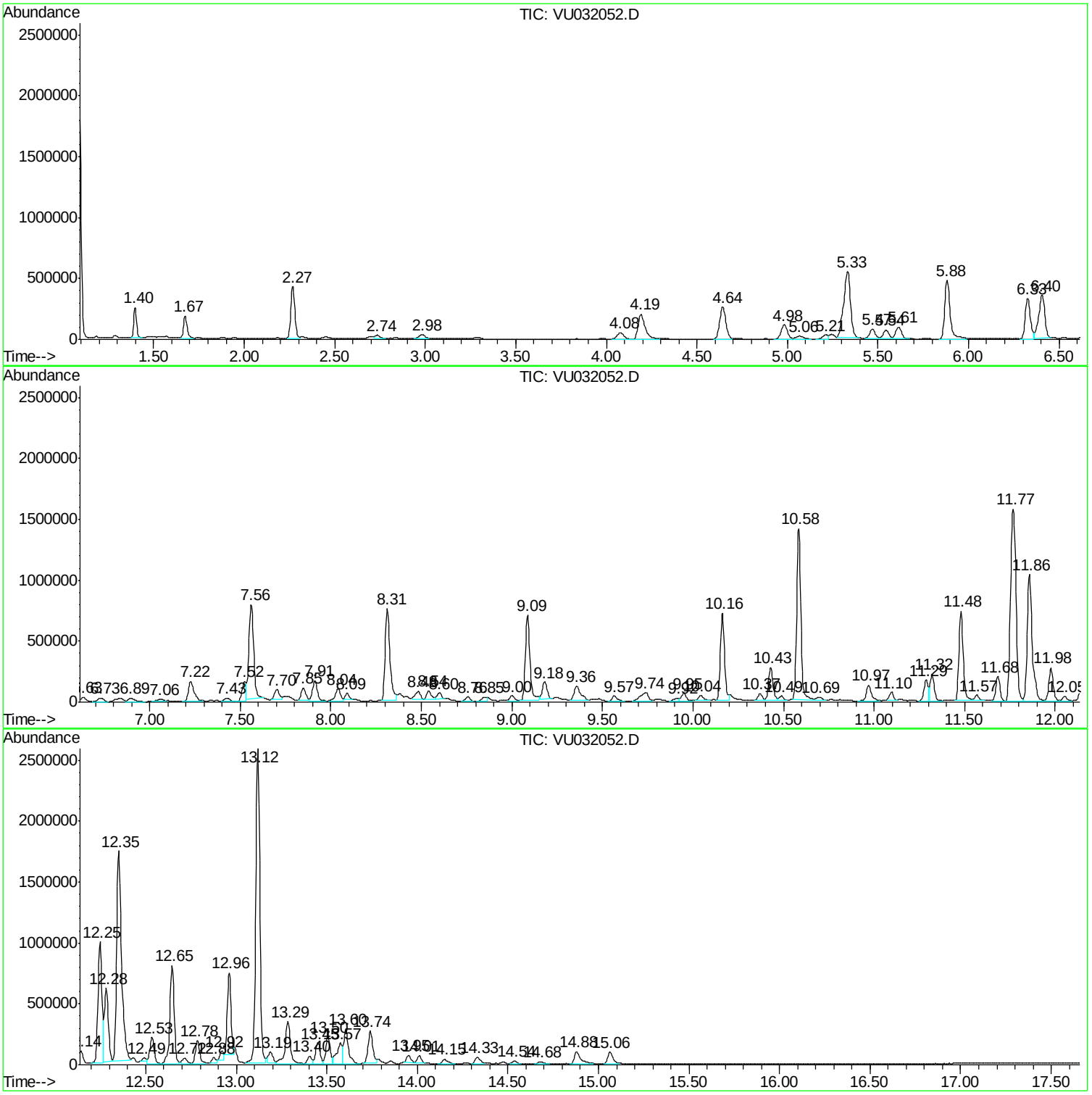
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.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\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

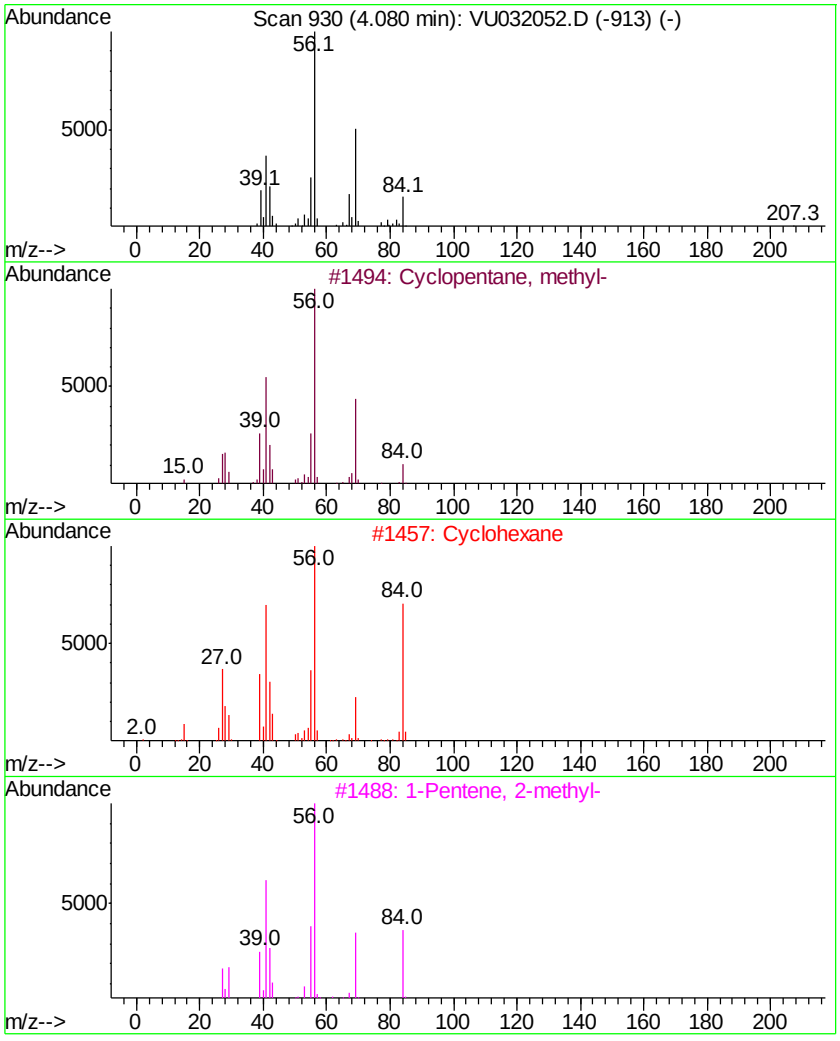
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

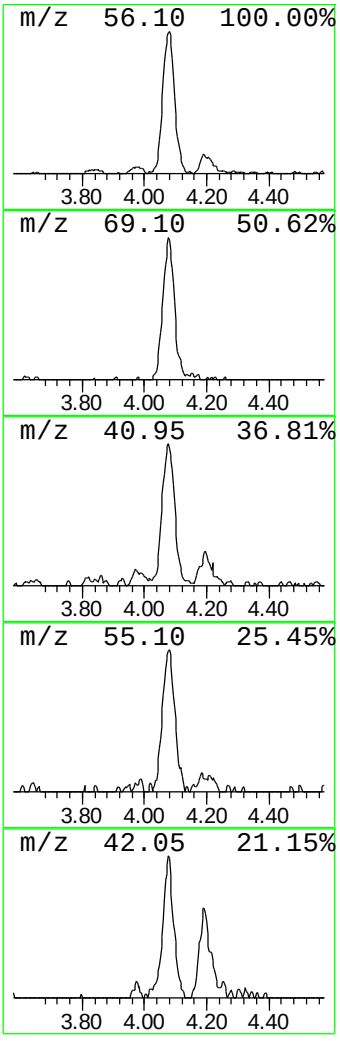
****

Peak Number 1 (DEL) Alkane: Cyclic4.08 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	0.69 ug/L	142394	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	83
2	Cyclohexane	84	C6H12	000110-82-7	72
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

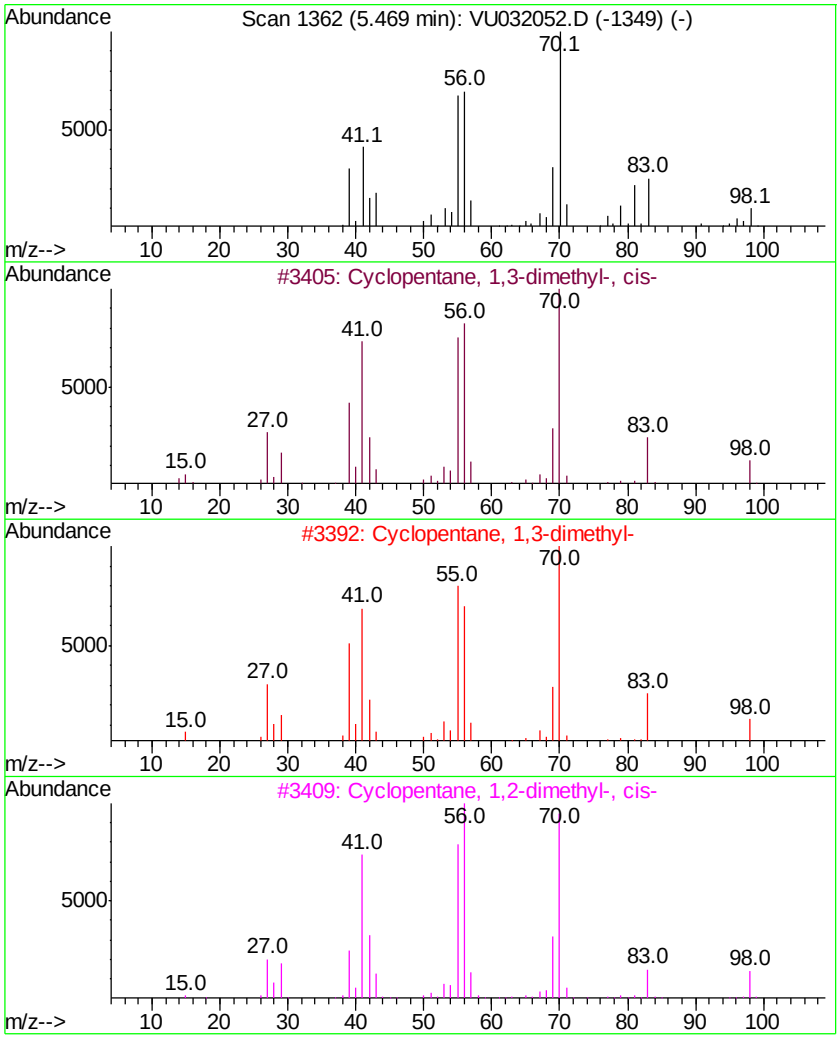
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

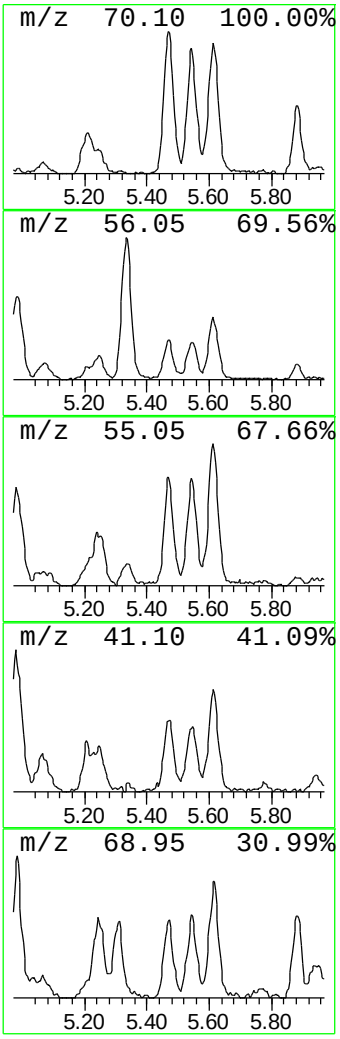
****

Peak Number 2 (DEL) Alkane: Cyclic5.47 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	0.79 ug/L	161893	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	83
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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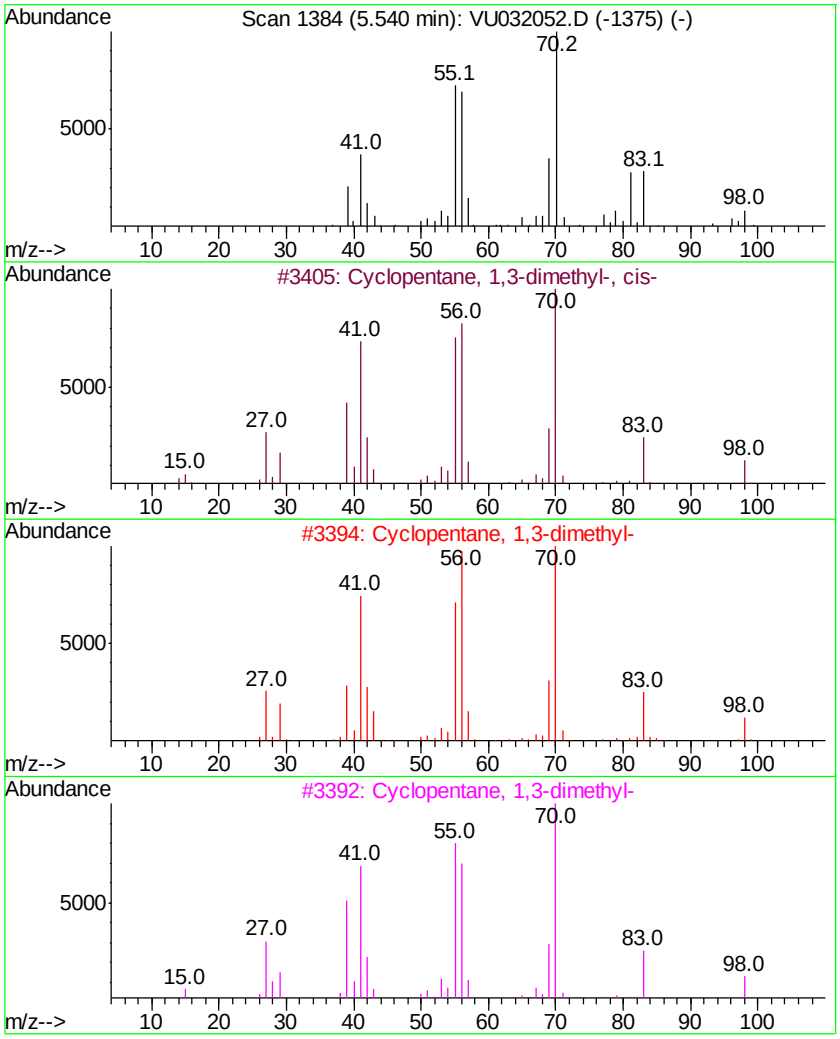
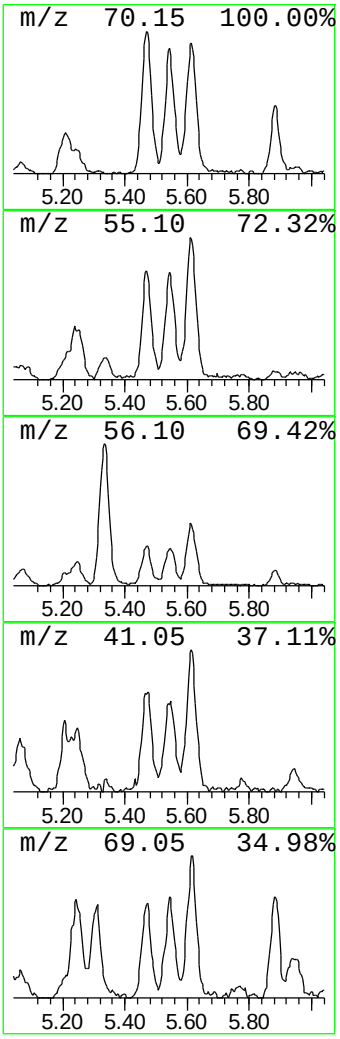
Peak Number 3 (DEL) Alkane: Cyclic5.54 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	0.73 ug/L	150825	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72
5	1-Octene, 3-methyl-	126	C9H18	013151-08-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
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ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

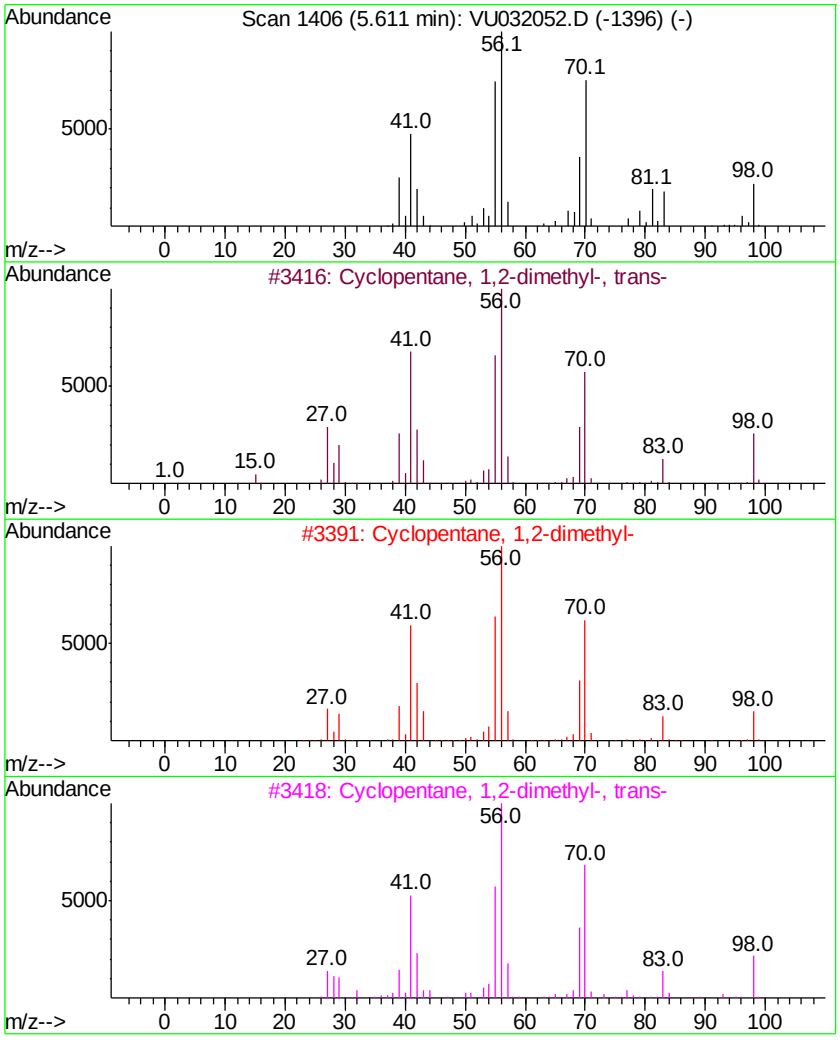
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

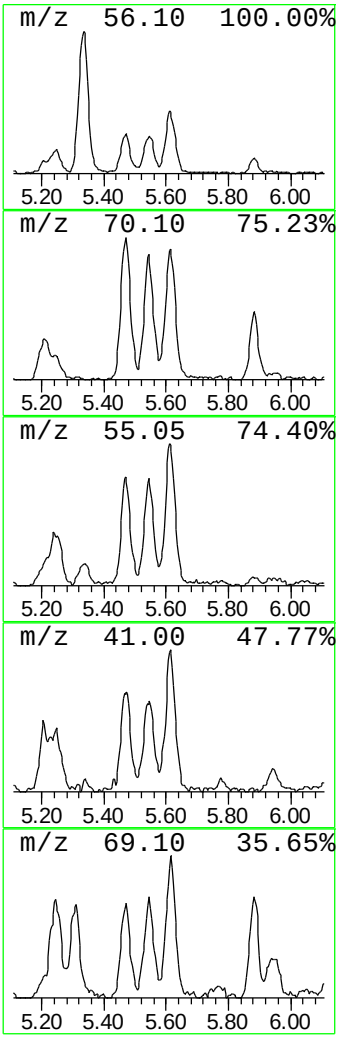
****

Peak Number 4 (DEL) Alkane: Cyclic5.61 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	1.08 ug/L	221372	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
2	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
4	Isopropylcyclobutane	98	C7H14	000872-56-0	90
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

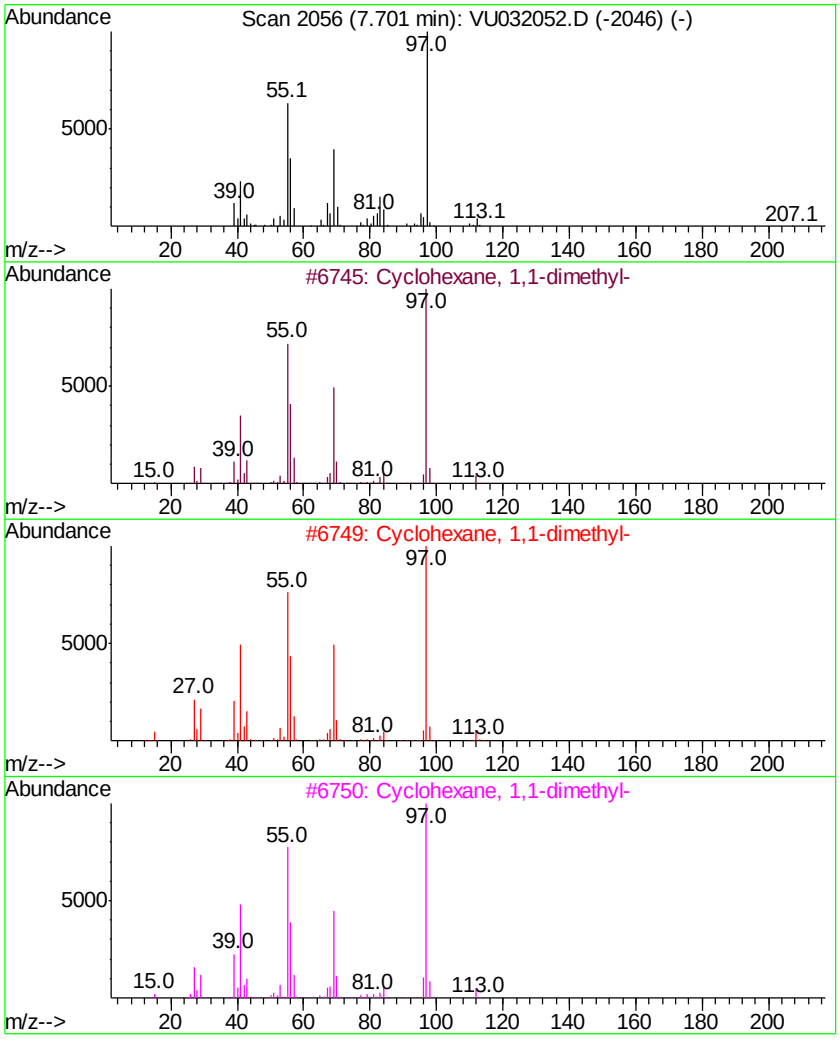
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

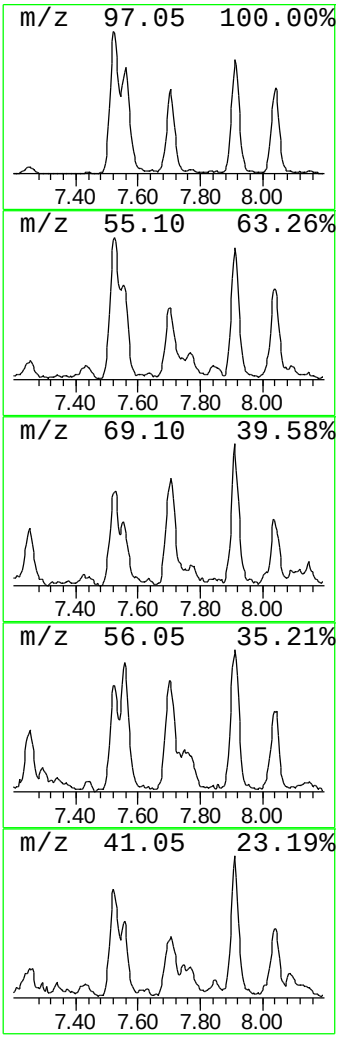
****

Peak Number 6 (DEL) Alkane: Cyclic7.70 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	0.66 ug/L	165258	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	87
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	87
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	74
4	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	64
5	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	59





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Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

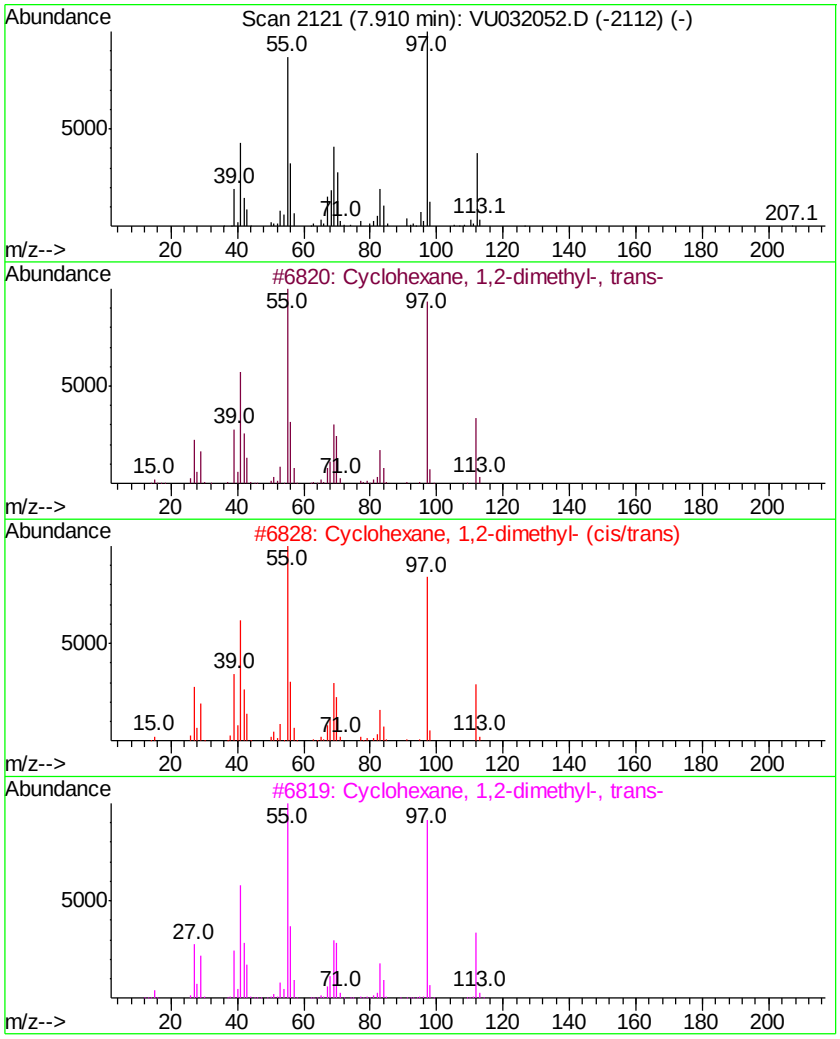
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

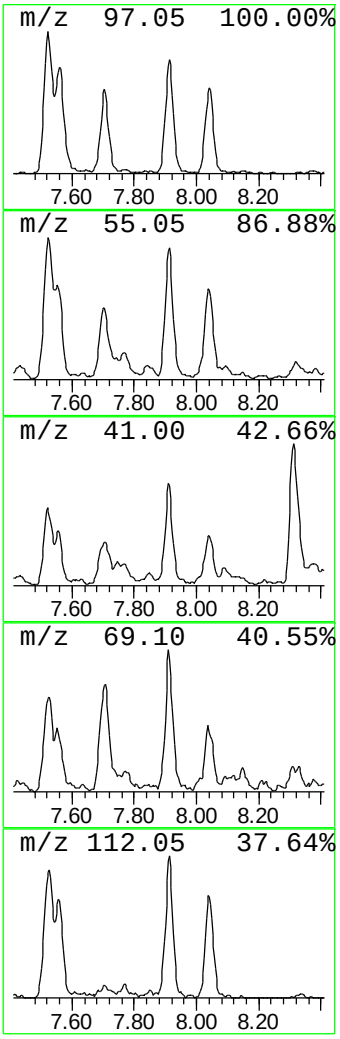
****

Peak Number 7 (DEL) Alkane: Cyclic7.91 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	1.23 ug/L	305643	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	95
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87





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Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

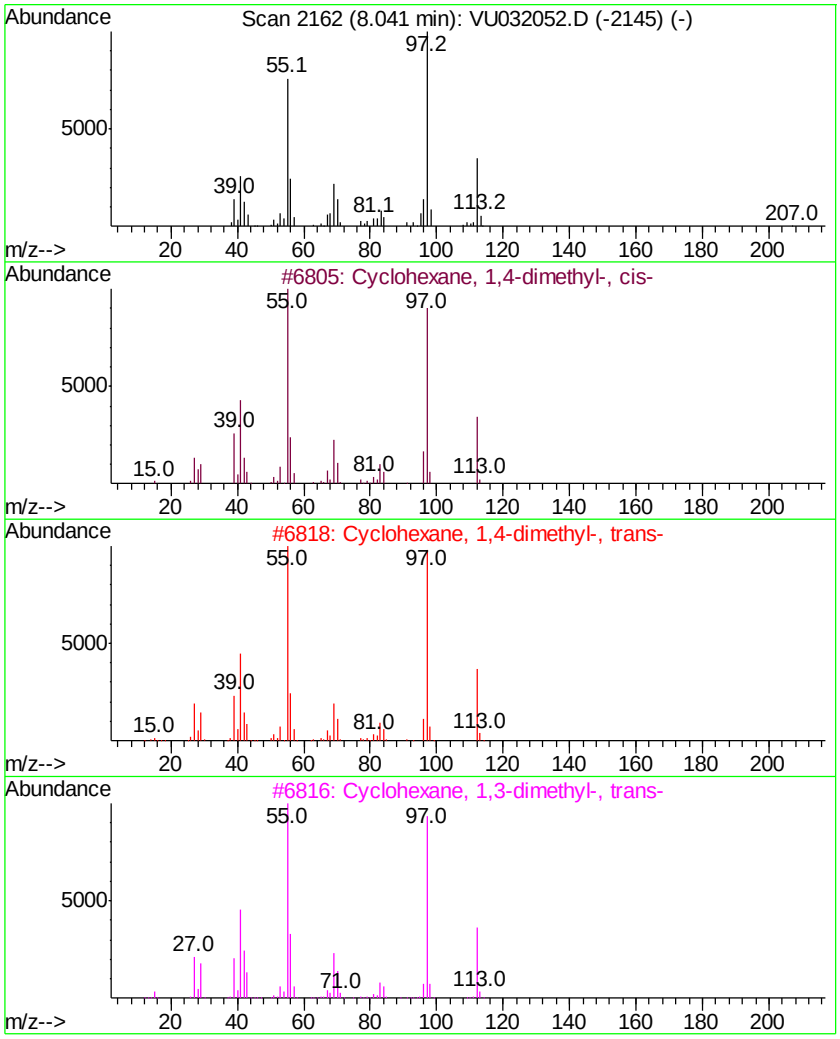
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

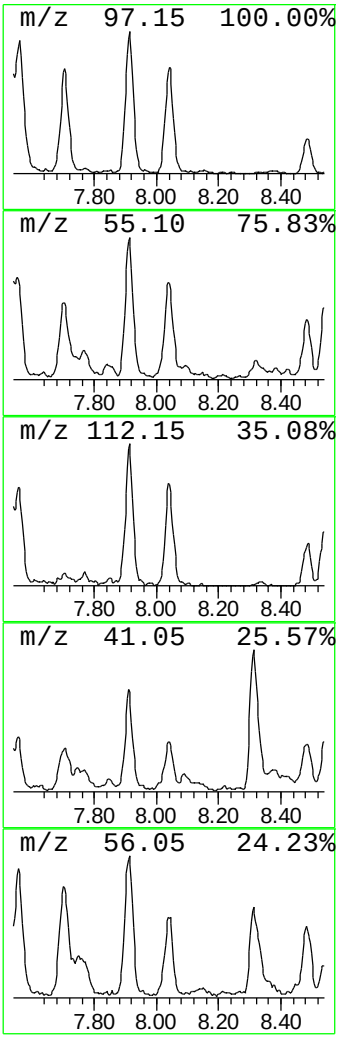
****

Peak Number 8 (DEL) Alkane: Cyclic8.04 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	0.77 ug/L	192331	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	97
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	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-, cis-	112	C8H16	000624-29-3	91





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Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

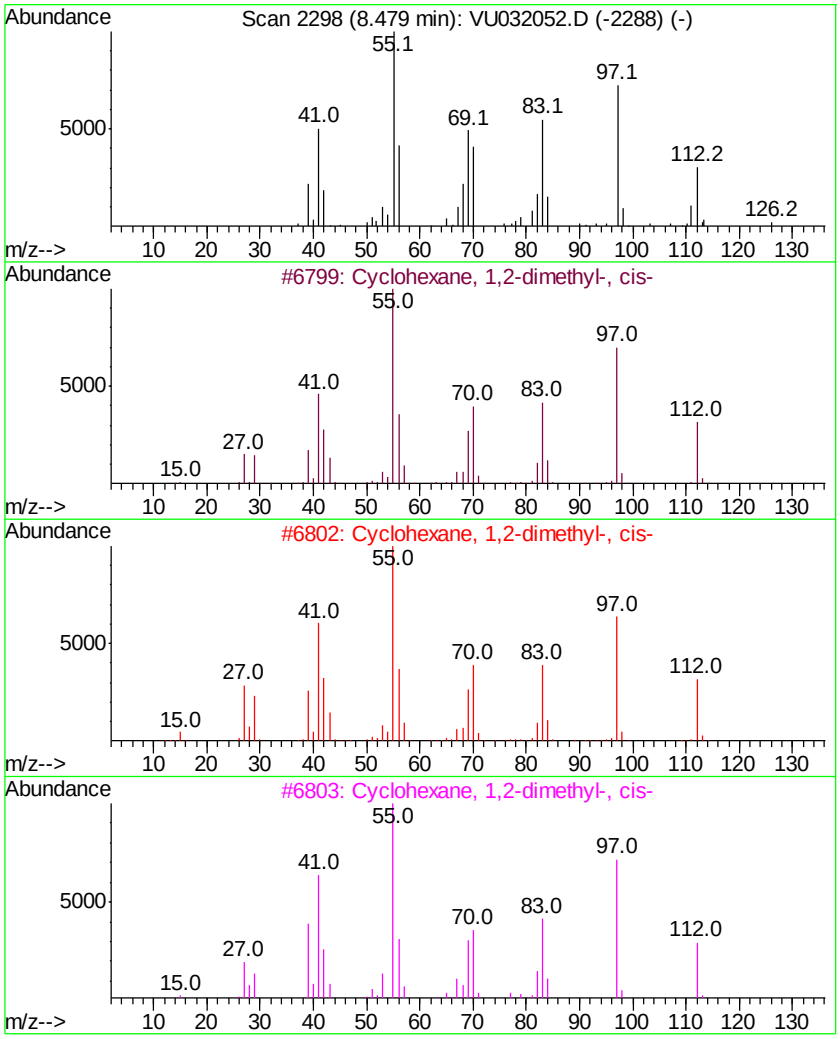
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

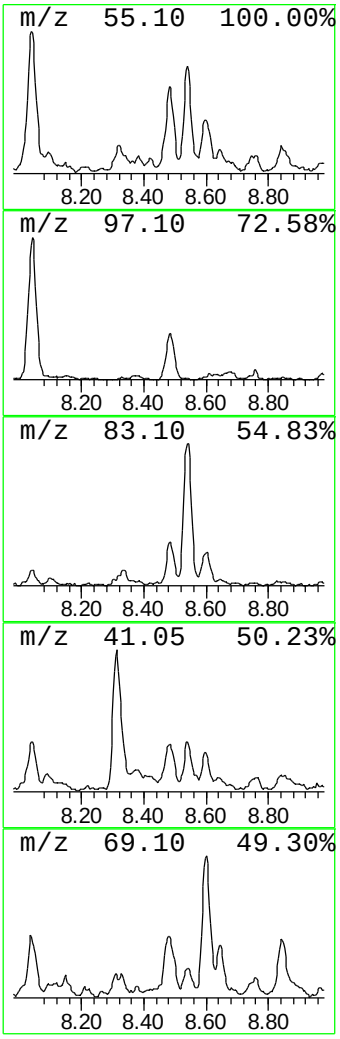
****

Peak Number 9 (DEL) Alkane: Cyclic8.48 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	0.53 ug/L	130887	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	91
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	91
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	91
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	59
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58





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Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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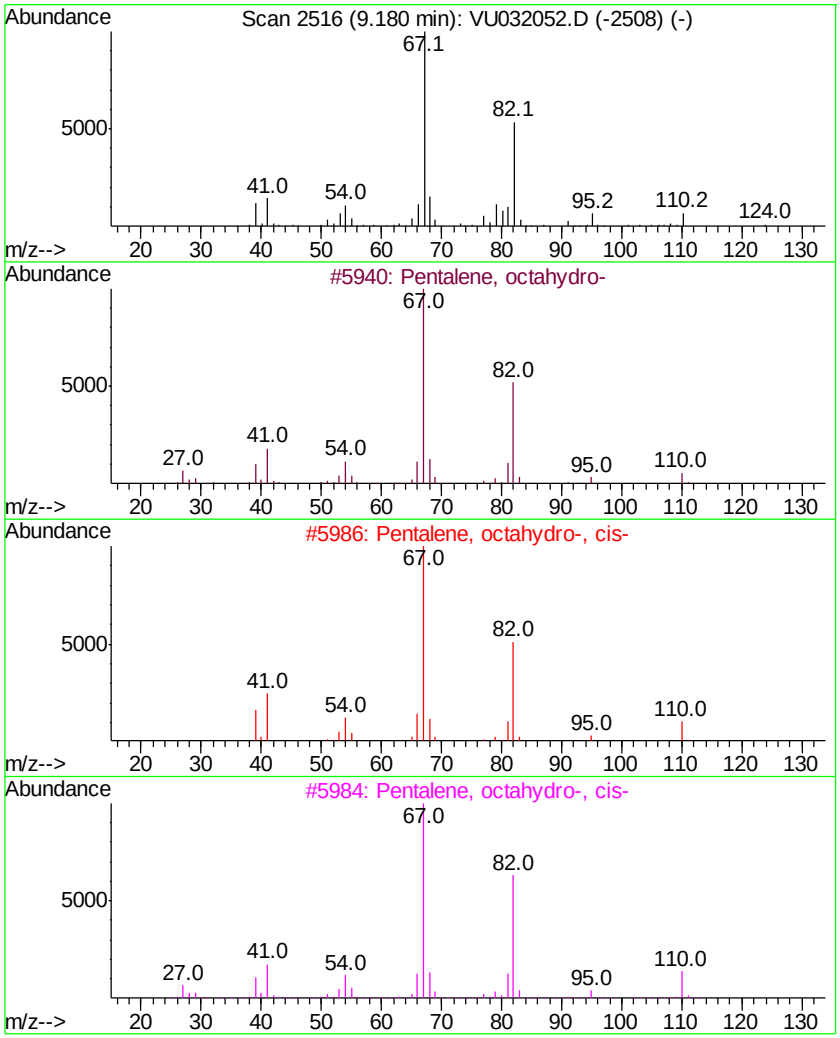
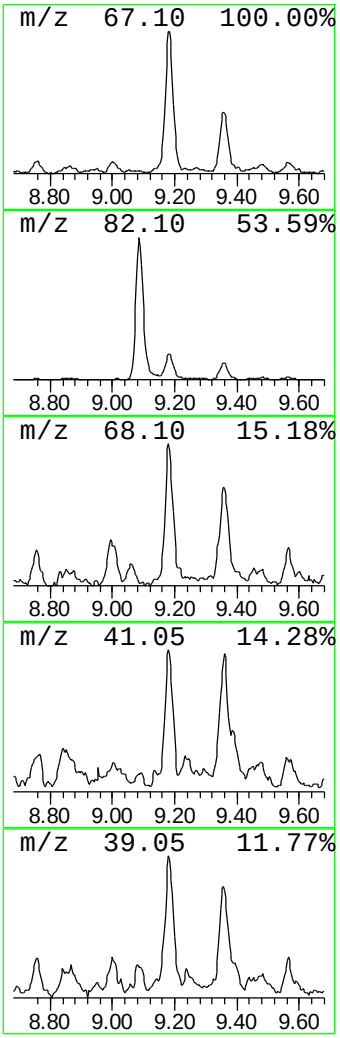
Peak Number 10 Pentalene, octahydro- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	1.01 ug/L	250512	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	90
2	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	86
3	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	78
4	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	64
5	4-Hexen-1-ol, (4E)-, acetate	142	C8H14O2	1000352-71-9	64





Library Search Compound Report

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Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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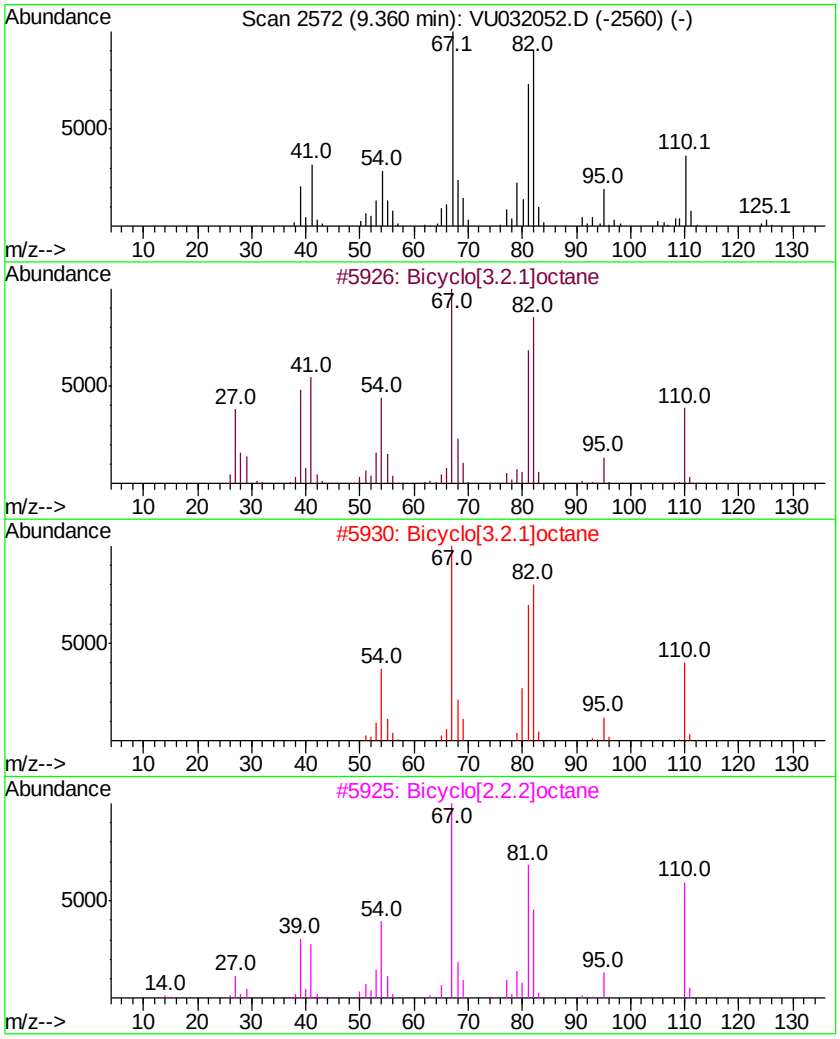
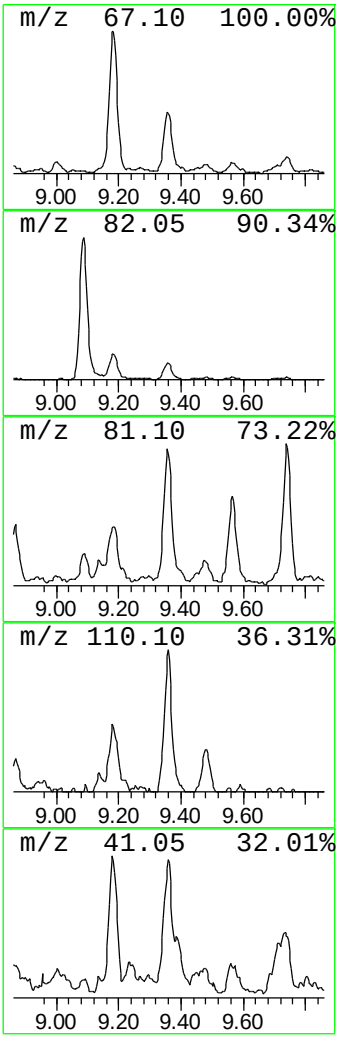
Peak Number 11 Bicyclo[3.2.1]octane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	1.15 ug/L	287362	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	87
2	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	83
3	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	72
4	4-Octyne	110	C8H14	001942-45-6	68
5	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	52





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Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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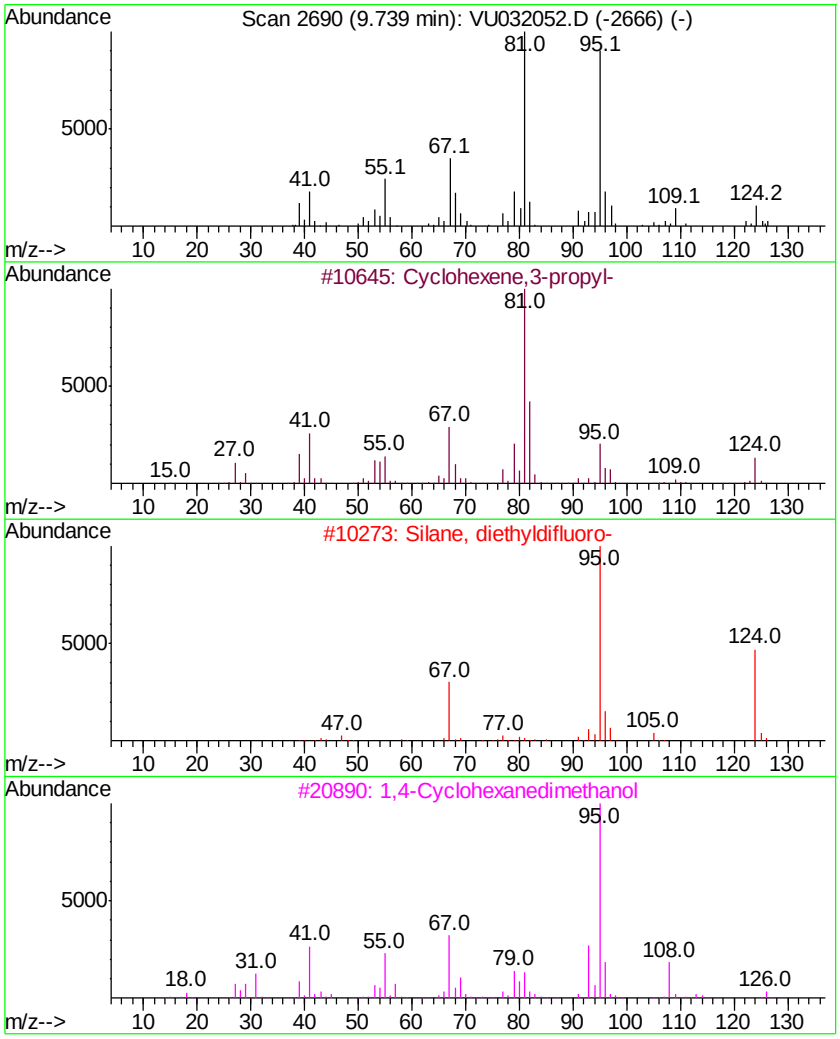
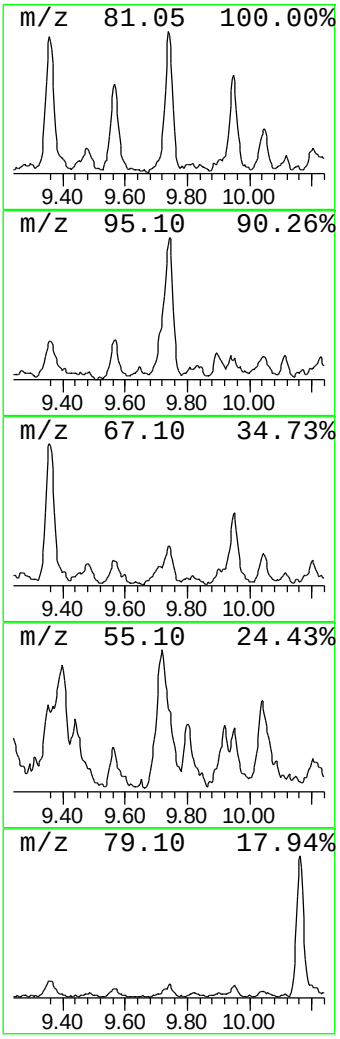
Peak Number 12 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	0.94 ug/L	234547	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	47
2	Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	46
3	1,4-Cyclohexanedimethanol	144	C8H16O2	000105-08-8	43
4	Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	38
5	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	35





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Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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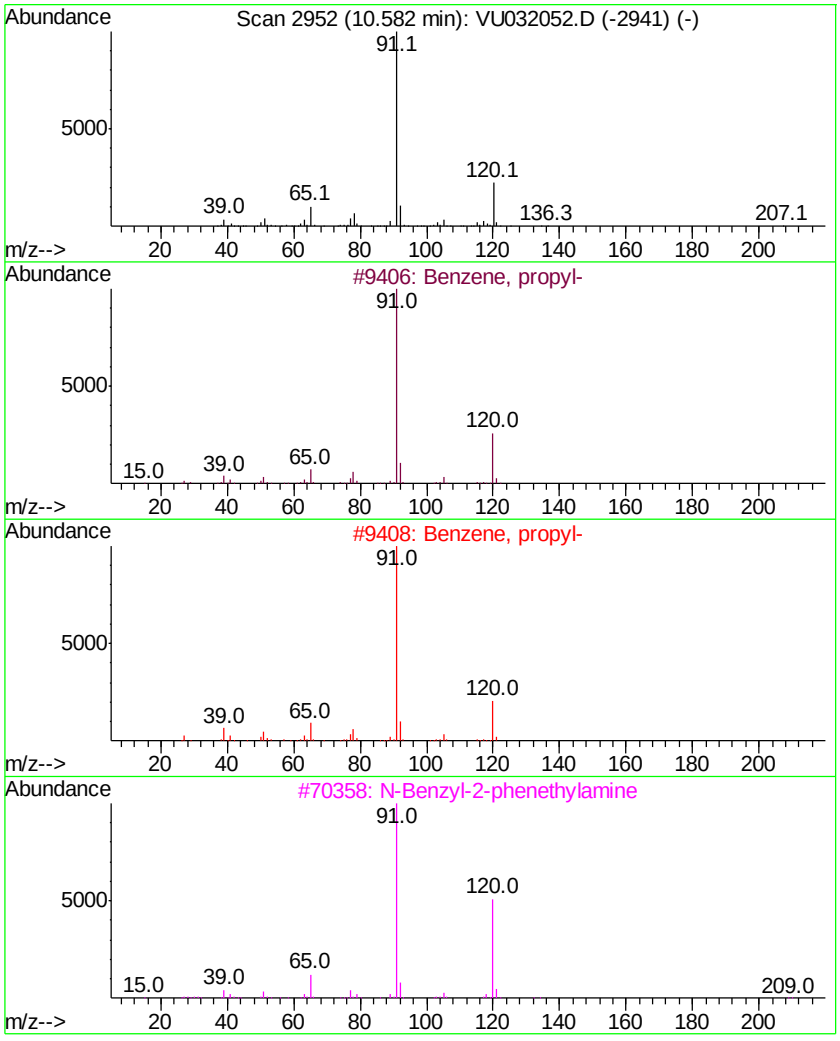
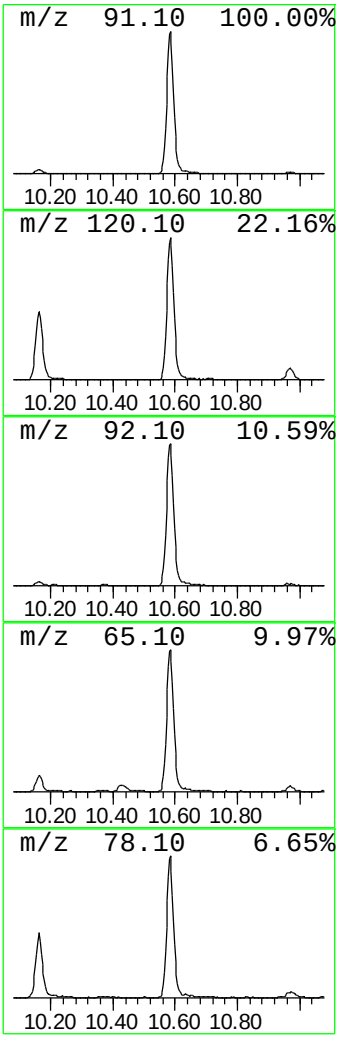
Peak Number 13 Benzene, propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	9.11 ug/L	2246360	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





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Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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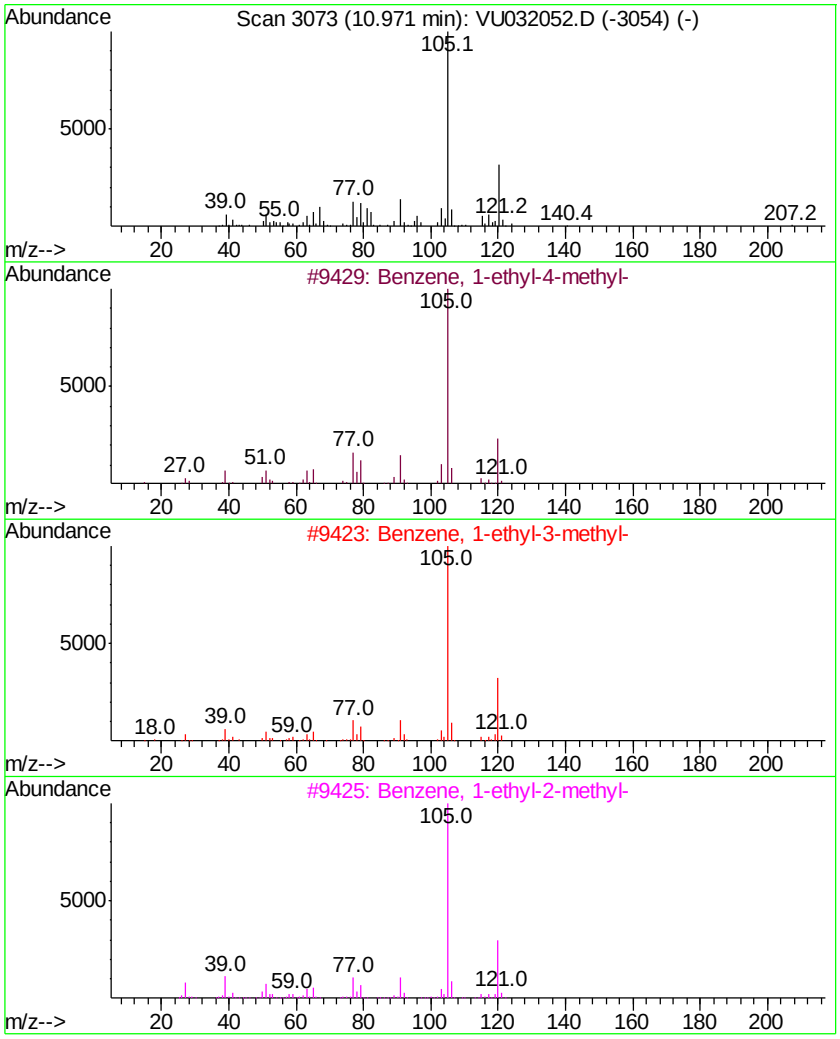
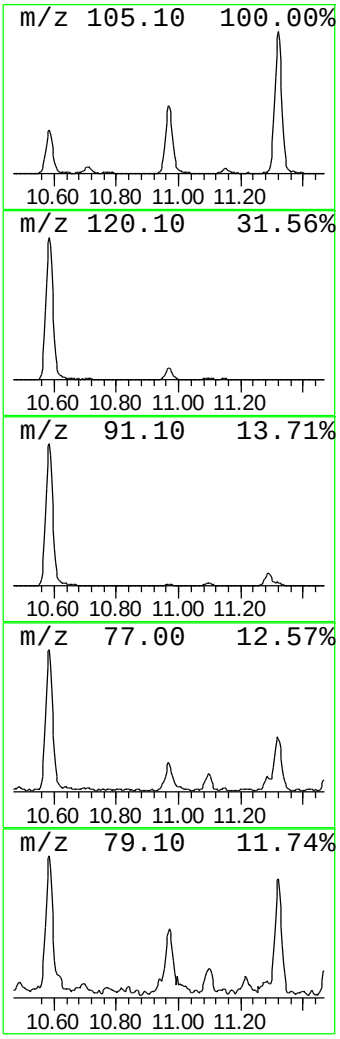
Peak Number 14 Benzene, 1-ethyl-4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	1.07 ug/L	264362	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	81
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81





Library Search Compound Report

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Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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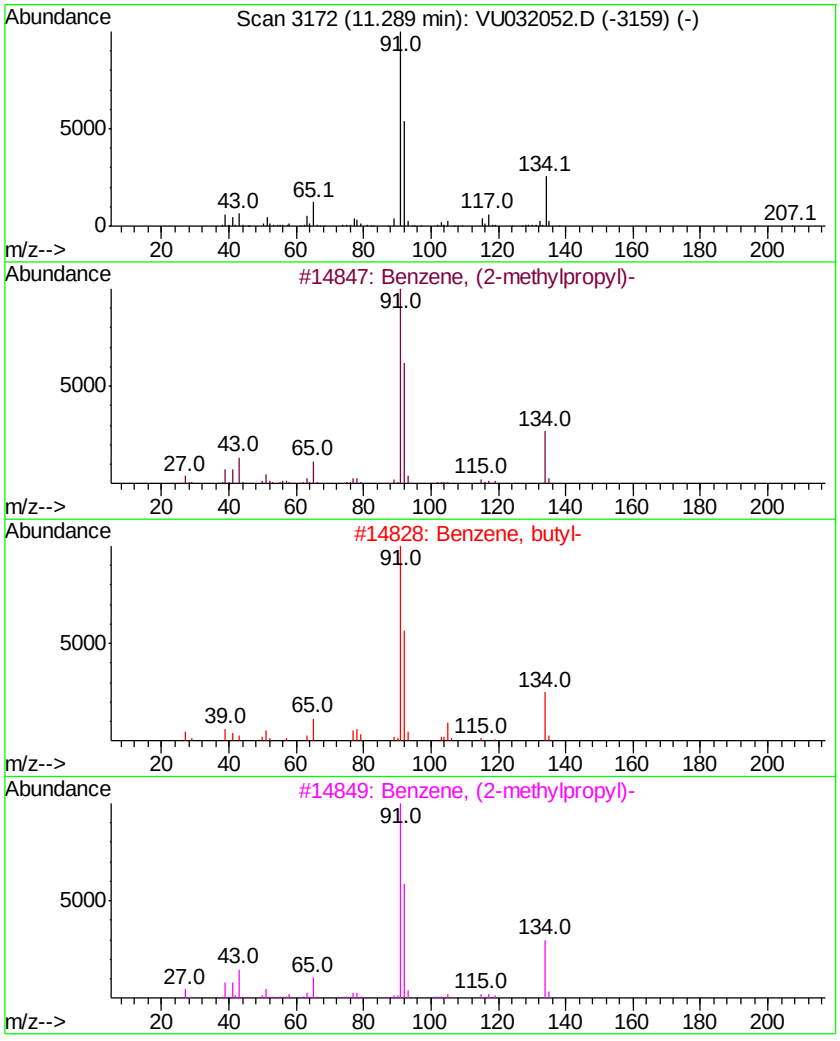
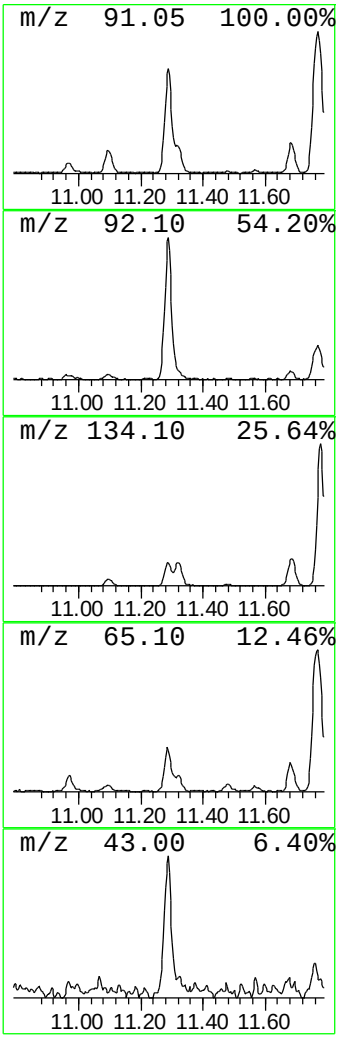
Peak Number 15 Benzene, (2-methylpropyl)- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	1.12 ug/L	275125	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
2	Benzene, butyl-	134	C10H14	000104-51-8	80
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	80
4	Benzene, butyl-	134	C10H14	000104-51-8	72
5	Benzene, butyl-	134	C10H14	000104-51-8	72





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Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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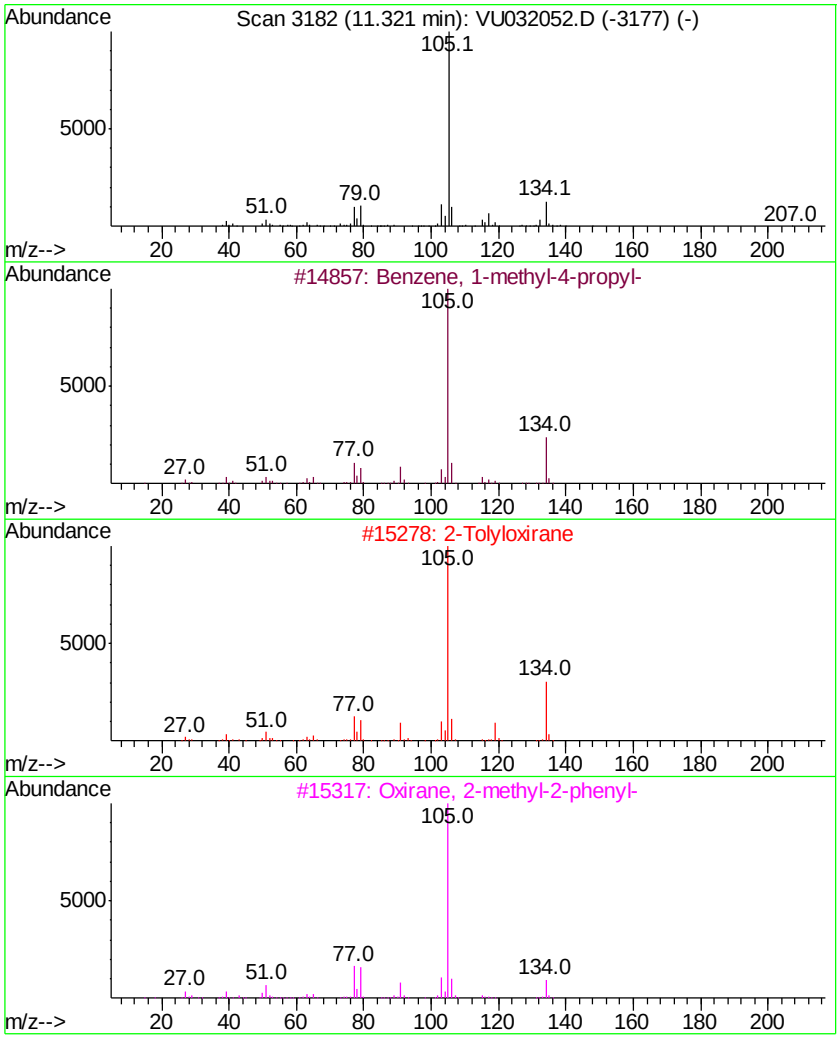
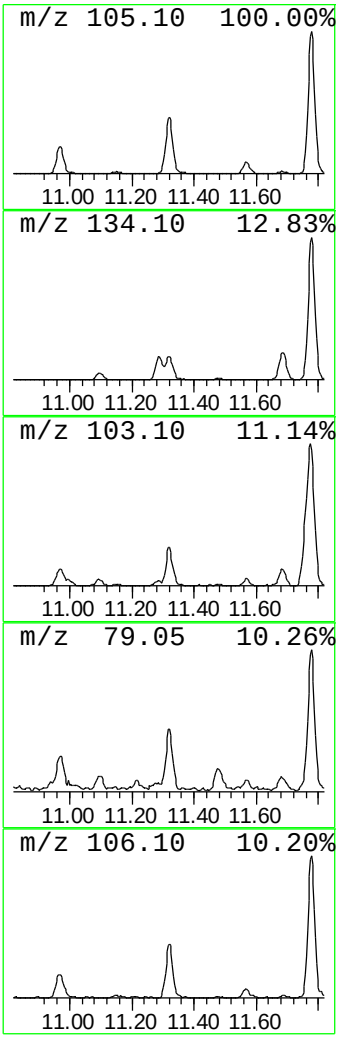
Peak Number 16 Benzene, 1-methyl-4-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	1.32 ug/L	325906	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
2	2-Tolyloxirane	134	C9H10O	002783-26-8	86
3	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	80
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72





Library Search Compound Report

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Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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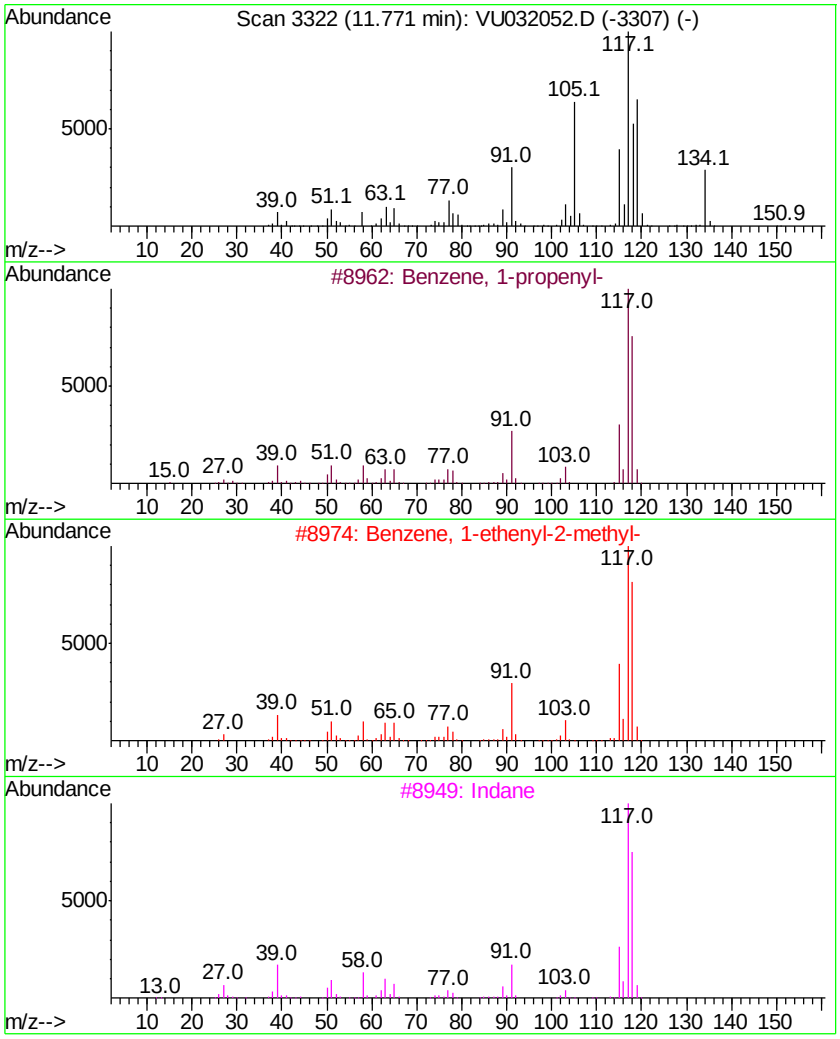
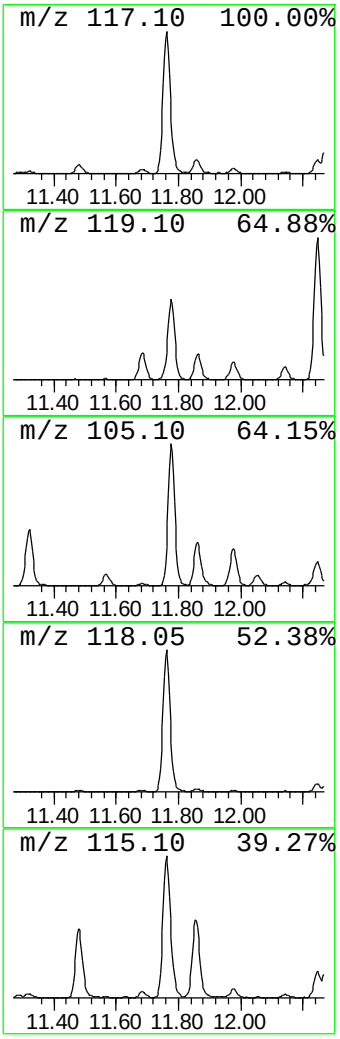
Peak Number 18 Benzene, 1-propenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	13.50 ug/L	3327930	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	86
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	80
3	Indane	118	C9H10	000496-11-7	55
4	Indane	118	C9H10	000496-11-7	55
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55





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Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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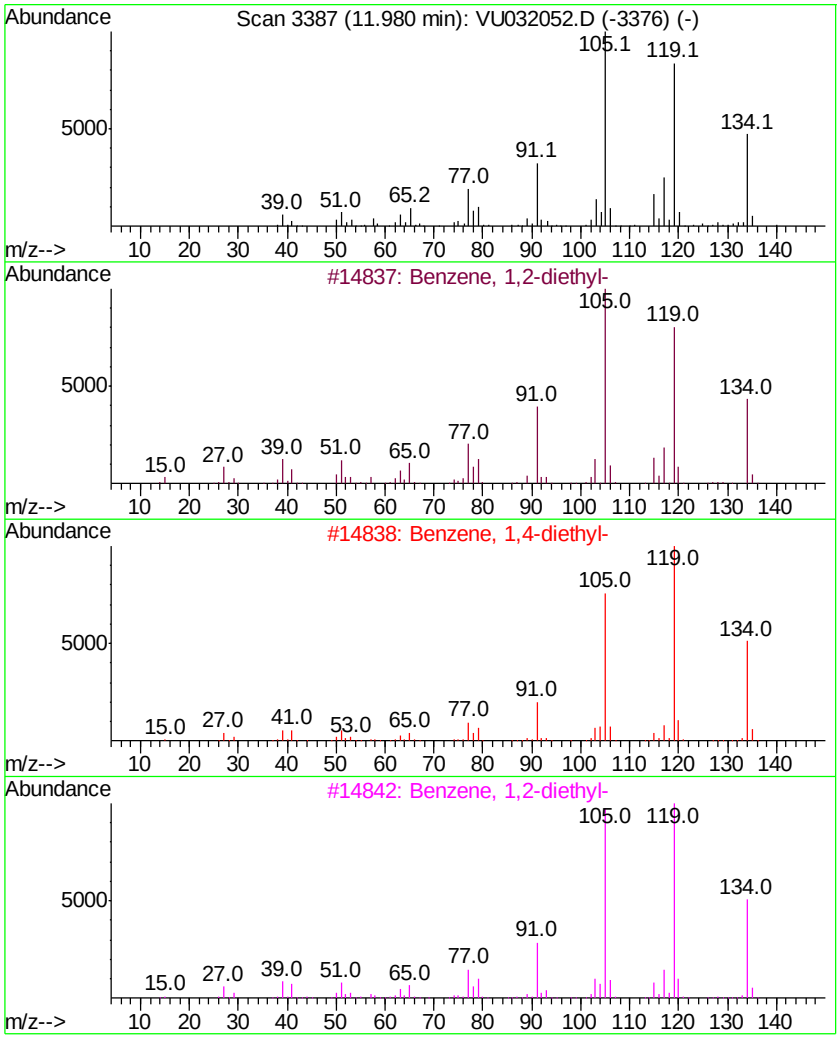
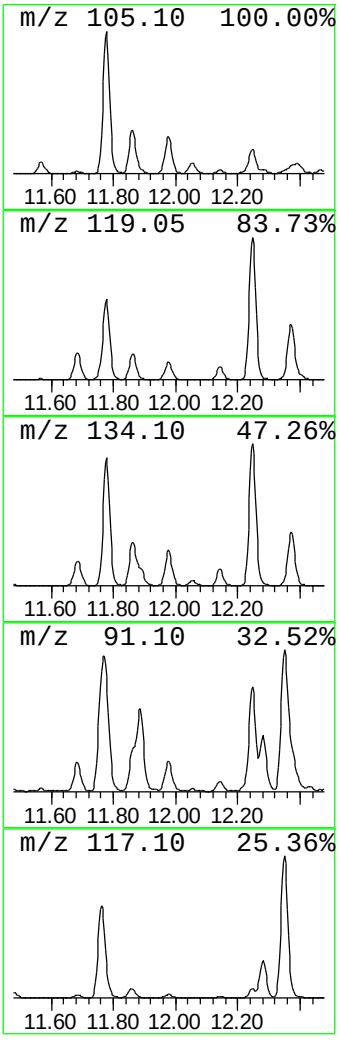
Peak Number 19 Benzene, 1,2-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	1.81 ug/L	445375	1,4-Dichlorobenzene-d4	11.48

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	90
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

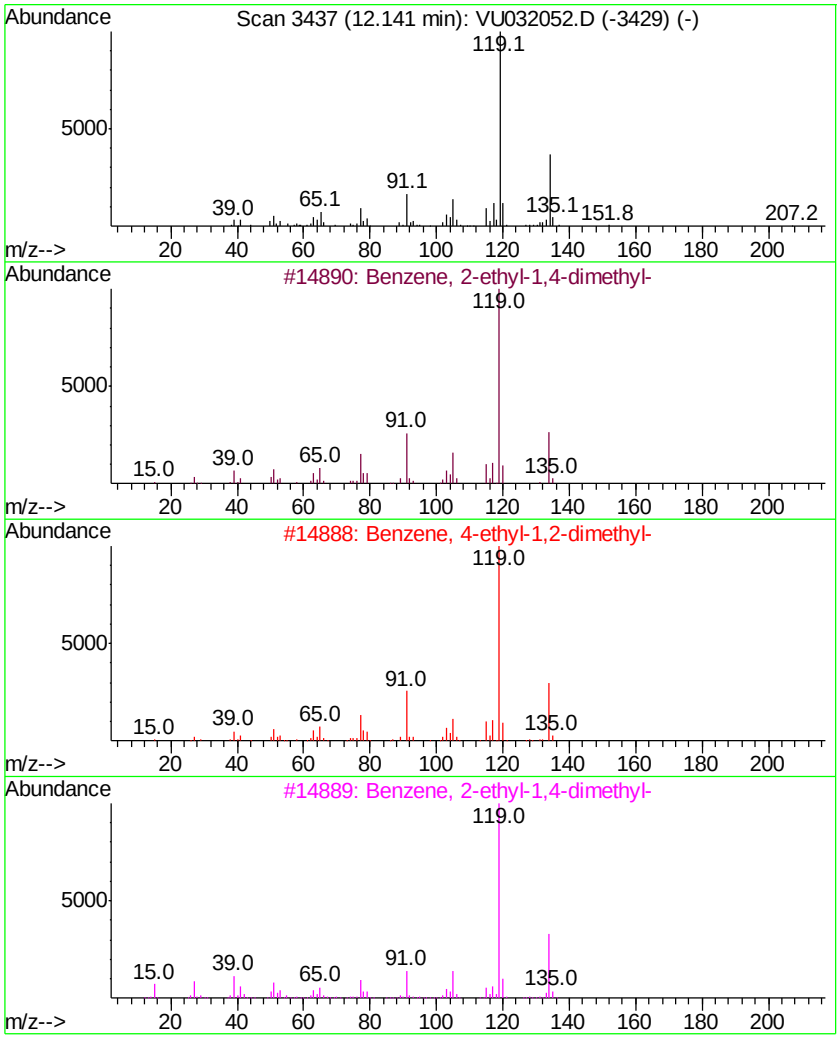
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

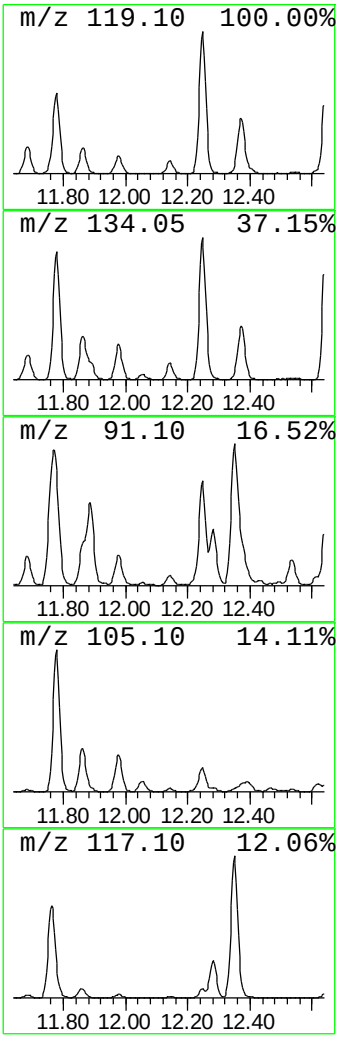
****

Peak Number 20 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	0.61 ug/L	150303	1,4-Dichlorobenzene-d4	11.48

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





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Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

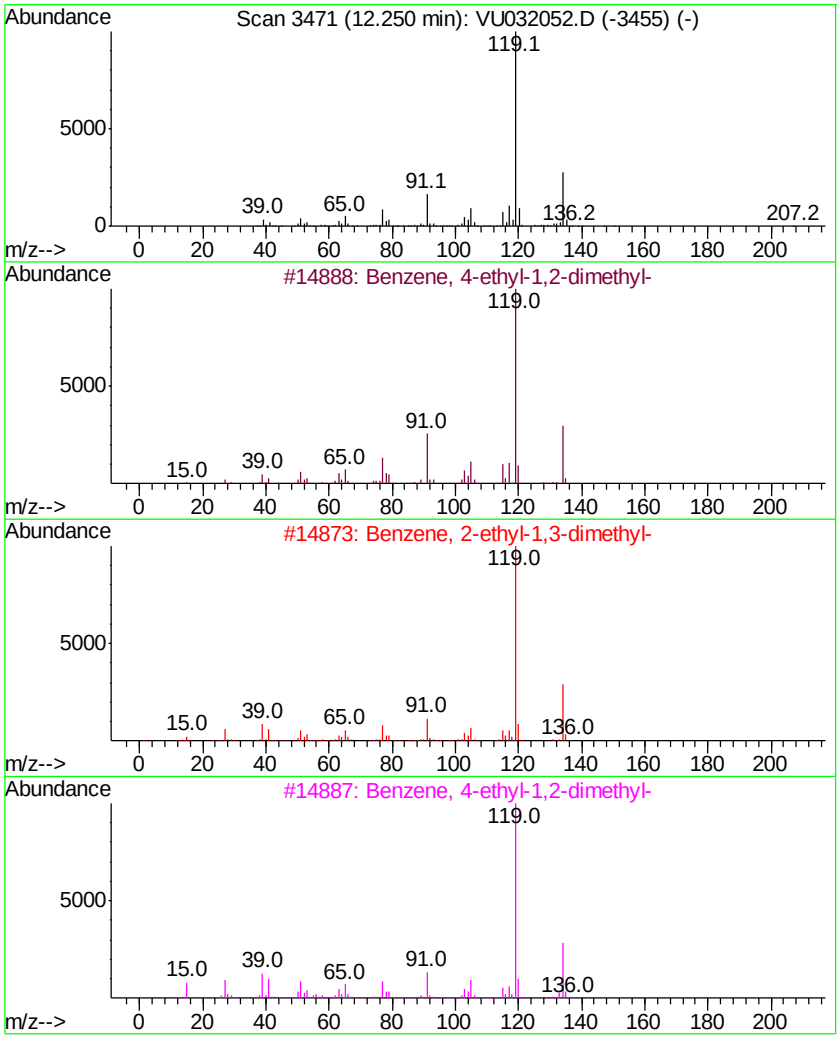
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

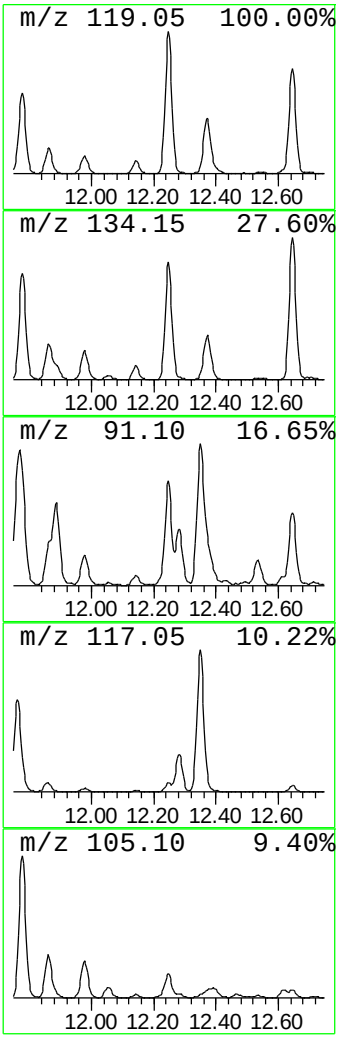
****

Peak Number 21 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	6.29 ug/L	1549640	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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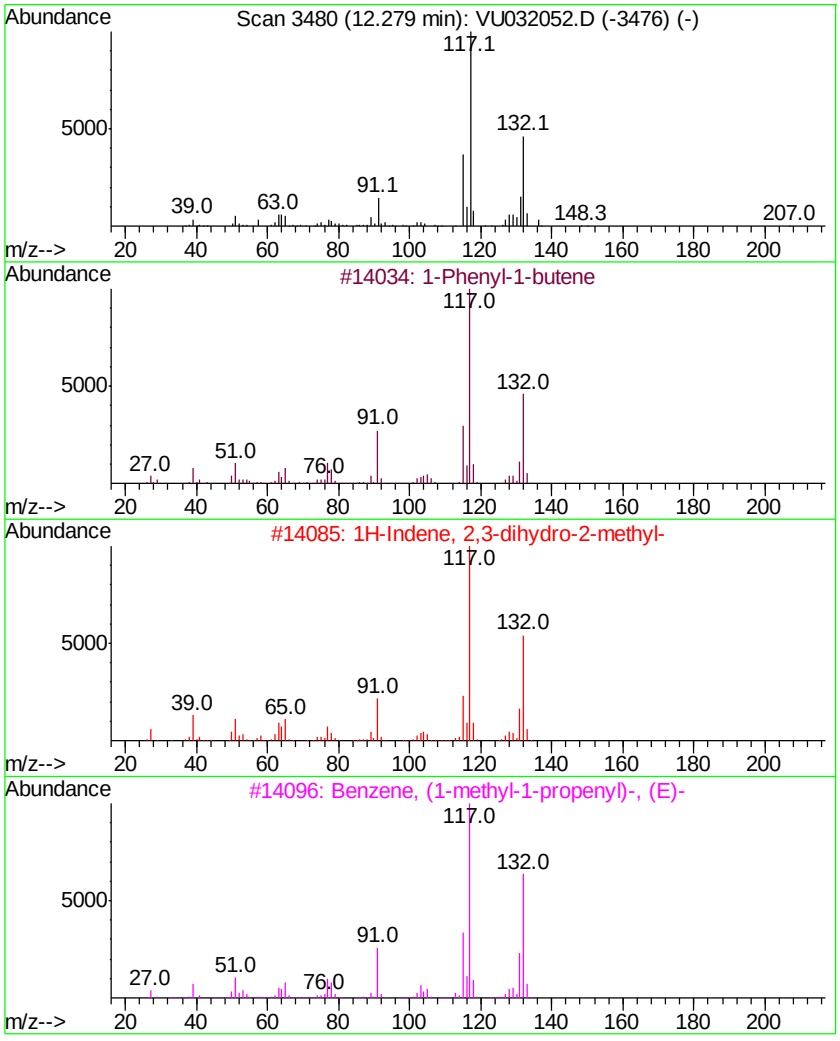
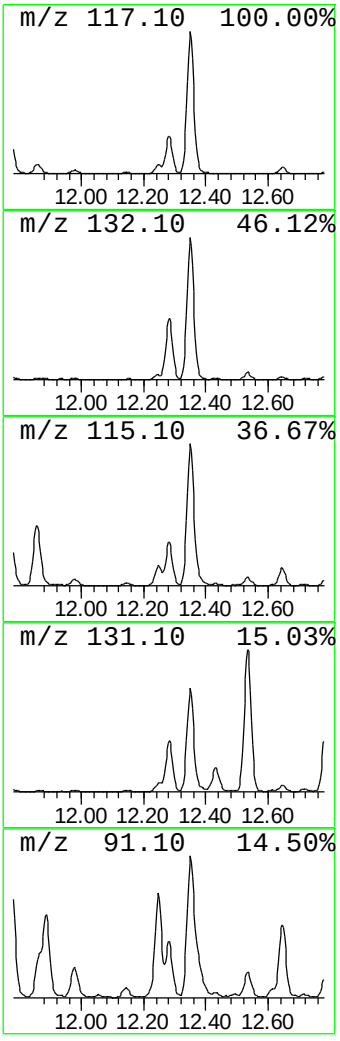
Peak Number 22 1-Phenyl-1-butene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	3.62 ug/L	891556	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
3	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	87
4	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000767-99-7	87
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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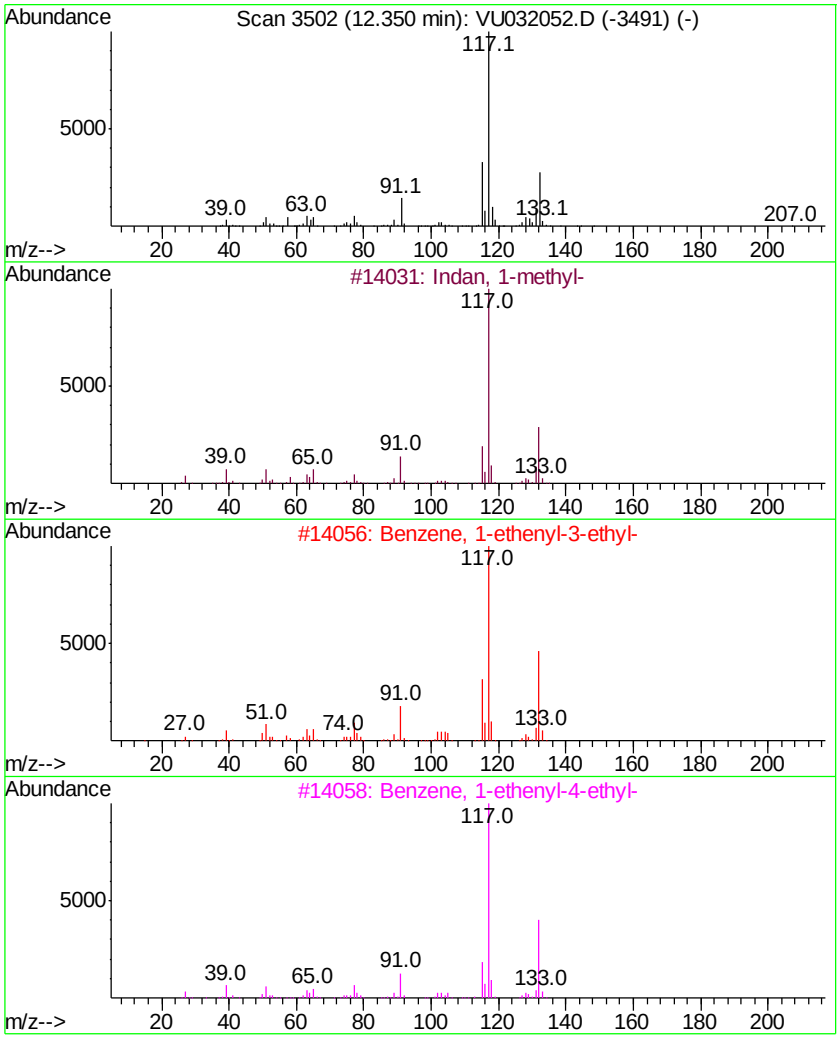
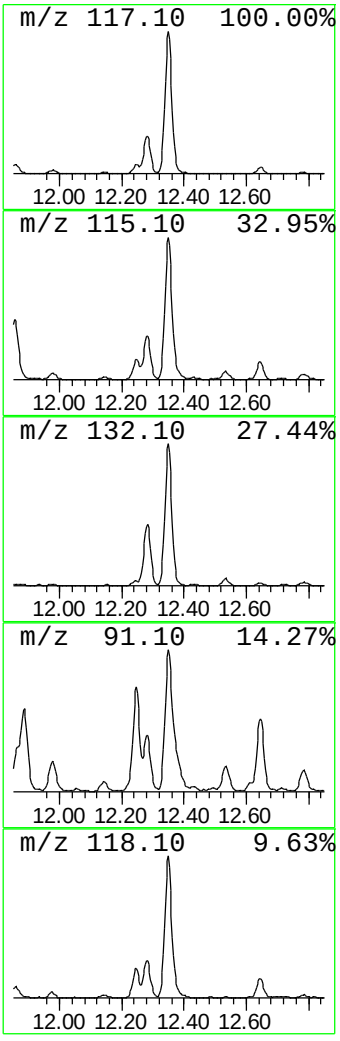
Peak Number 23 Indan, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	13.15 ug/L	3242240	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

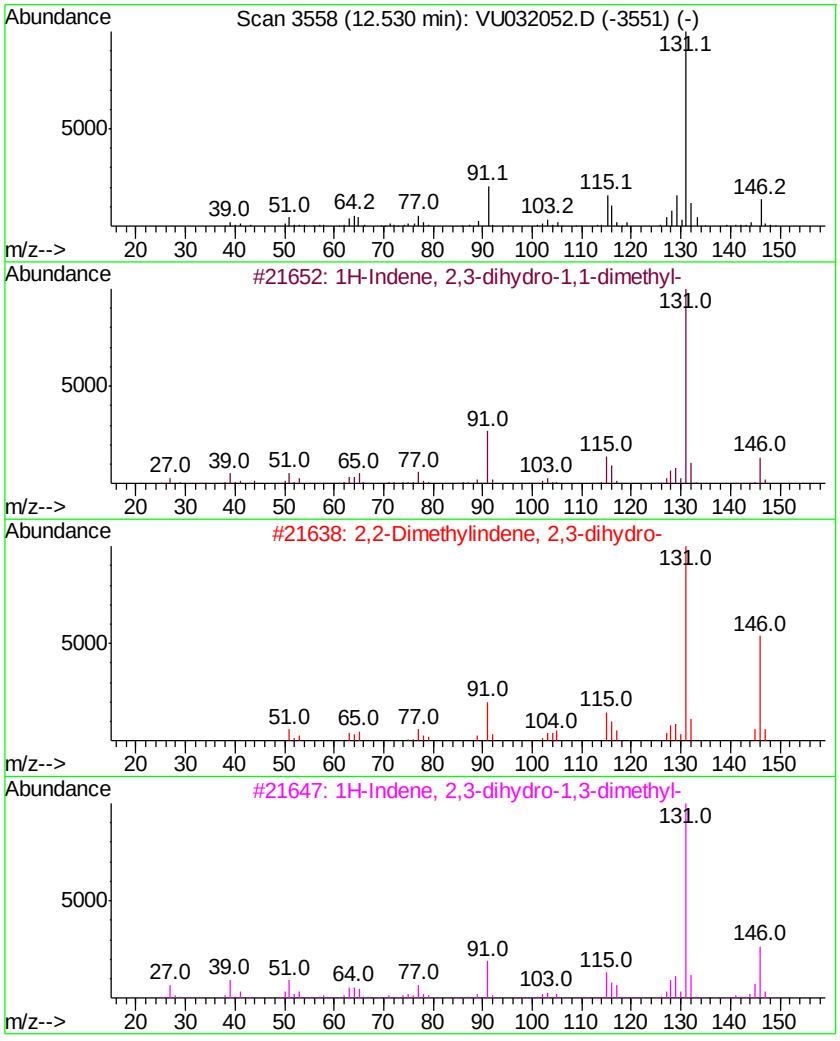
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

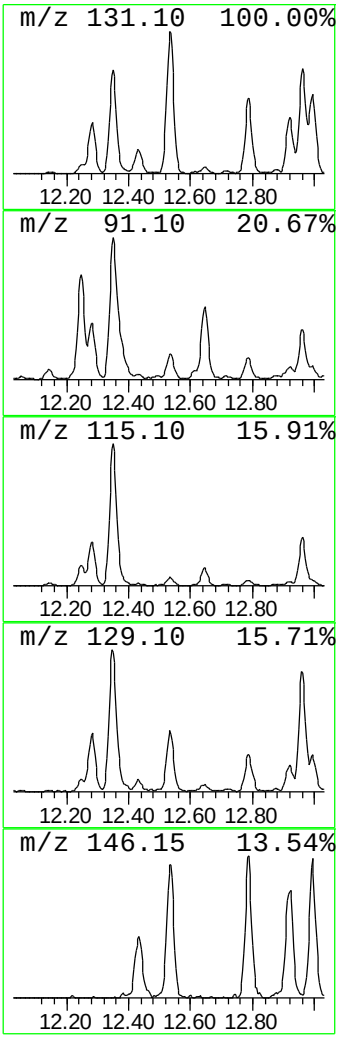
****

Peak Number 24 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	1.45 ug/L	358201	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	95
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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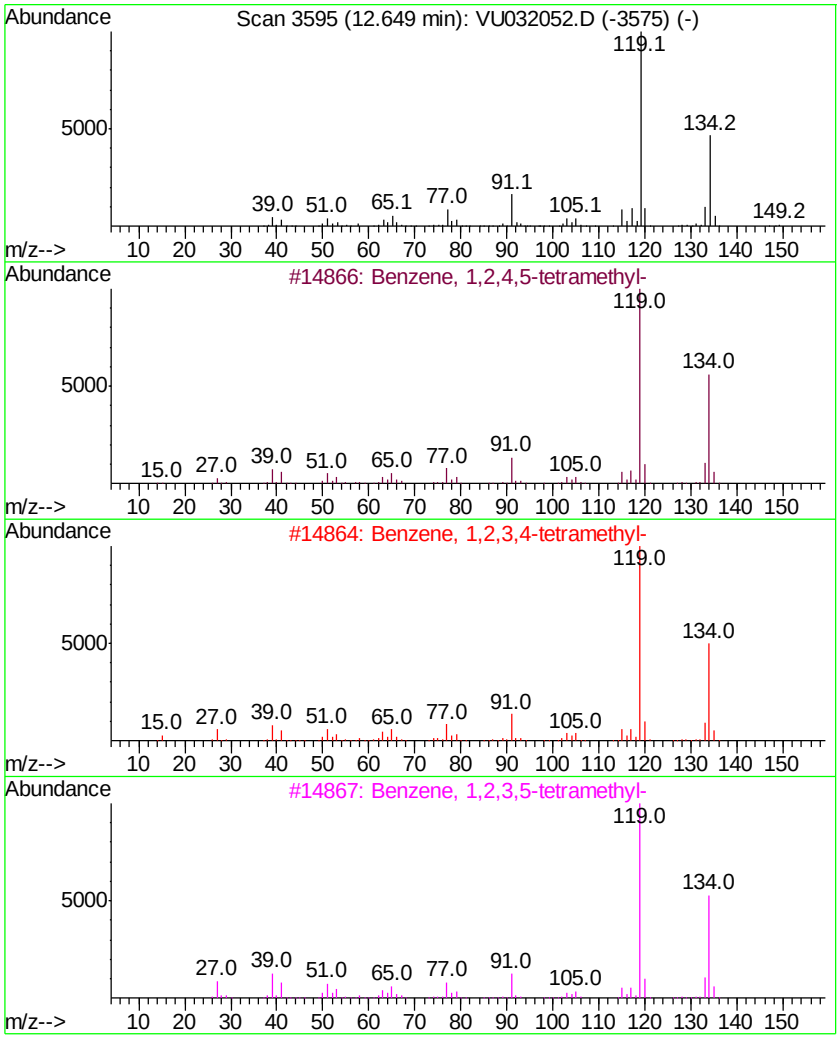
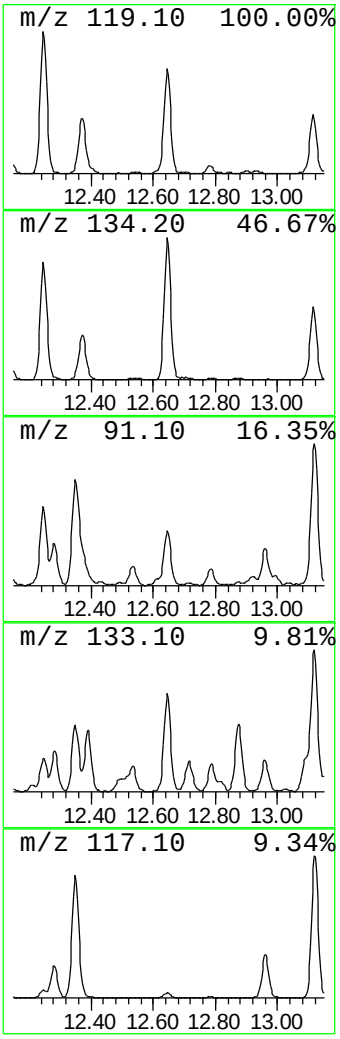
Peak Number 25 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	5.35 ug/L	1318220	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

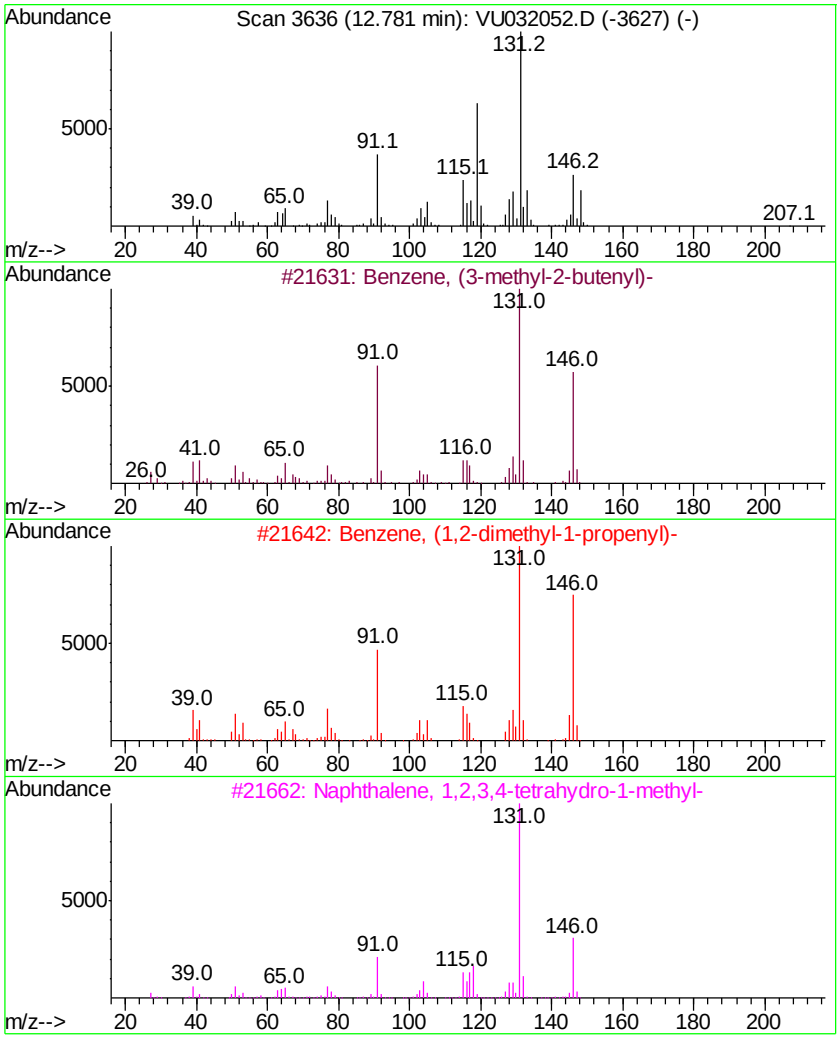
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

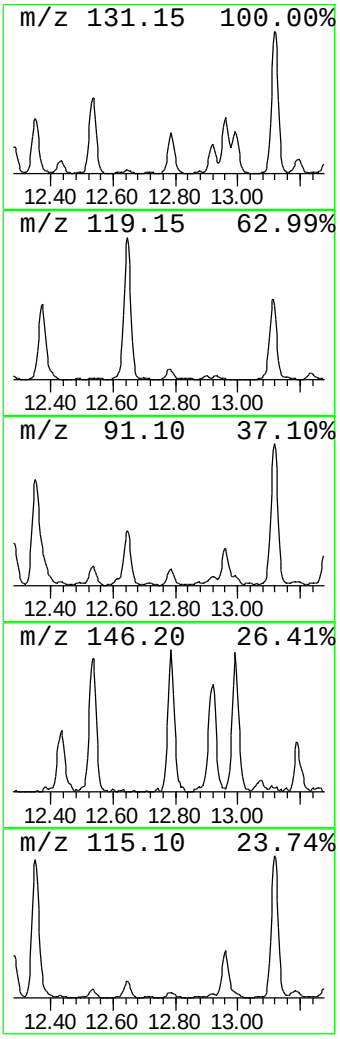
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, (3-methyl-2-butenyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	1.25 ug/L	307620	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	92
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	78
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
4	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	64
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

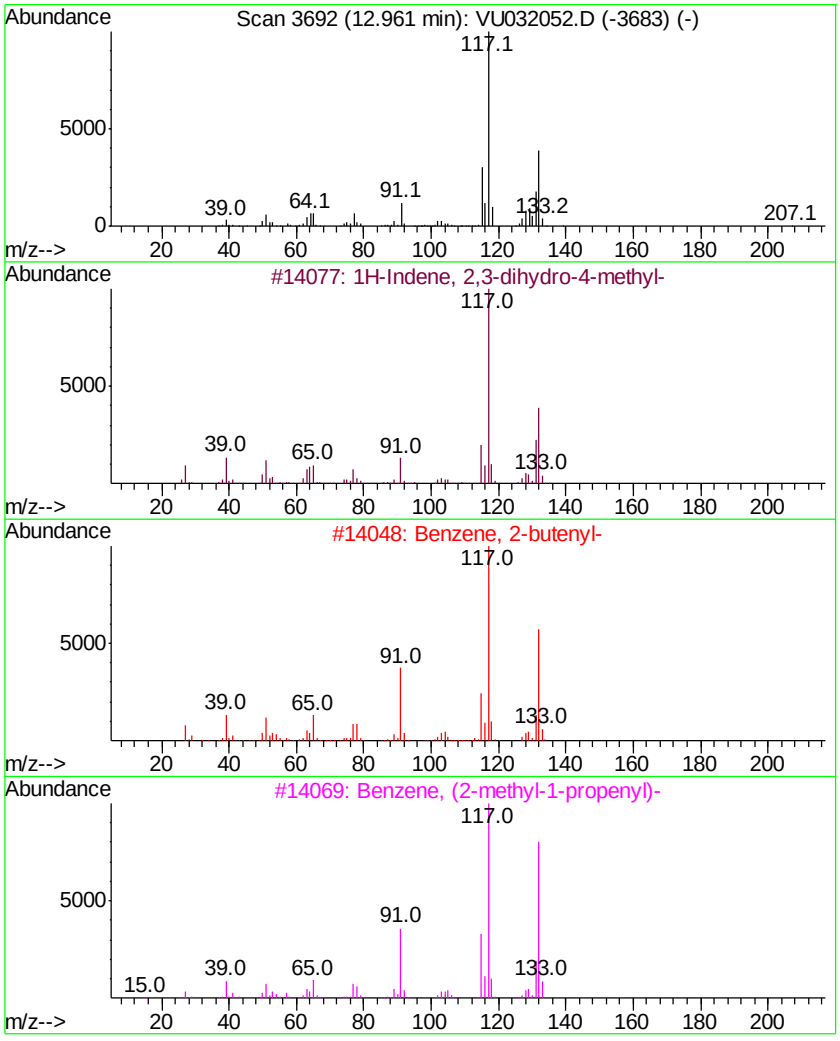
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

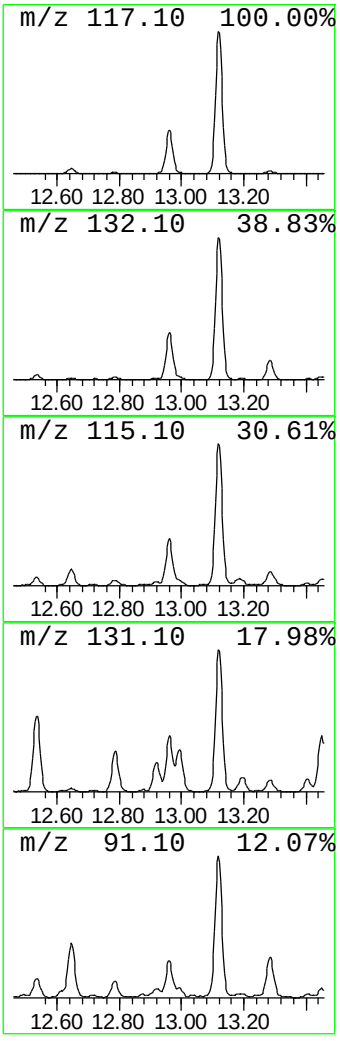
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.88 ug/L	956880	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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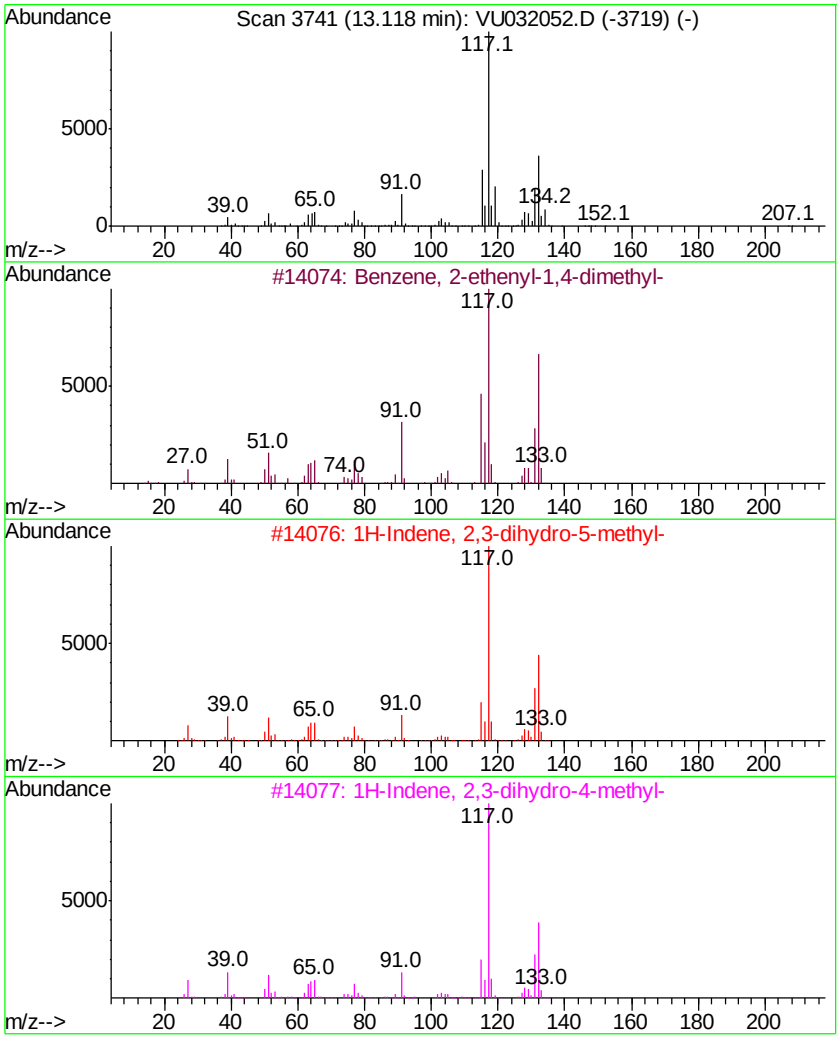
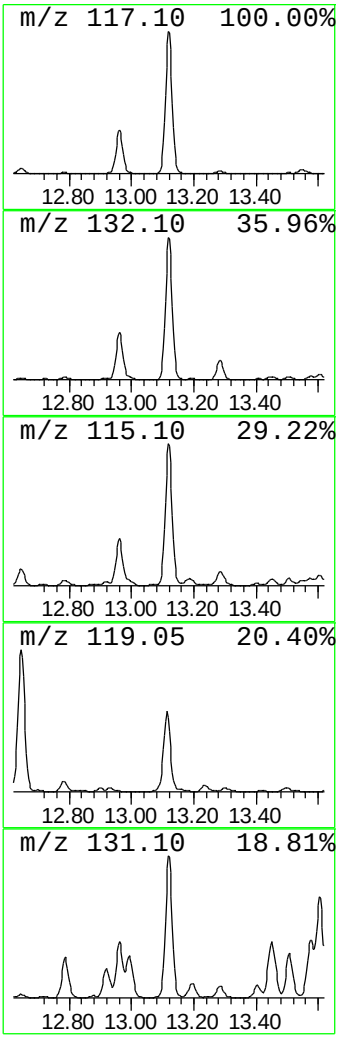
Peak Number 28 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	16.48 ug/L	4061570	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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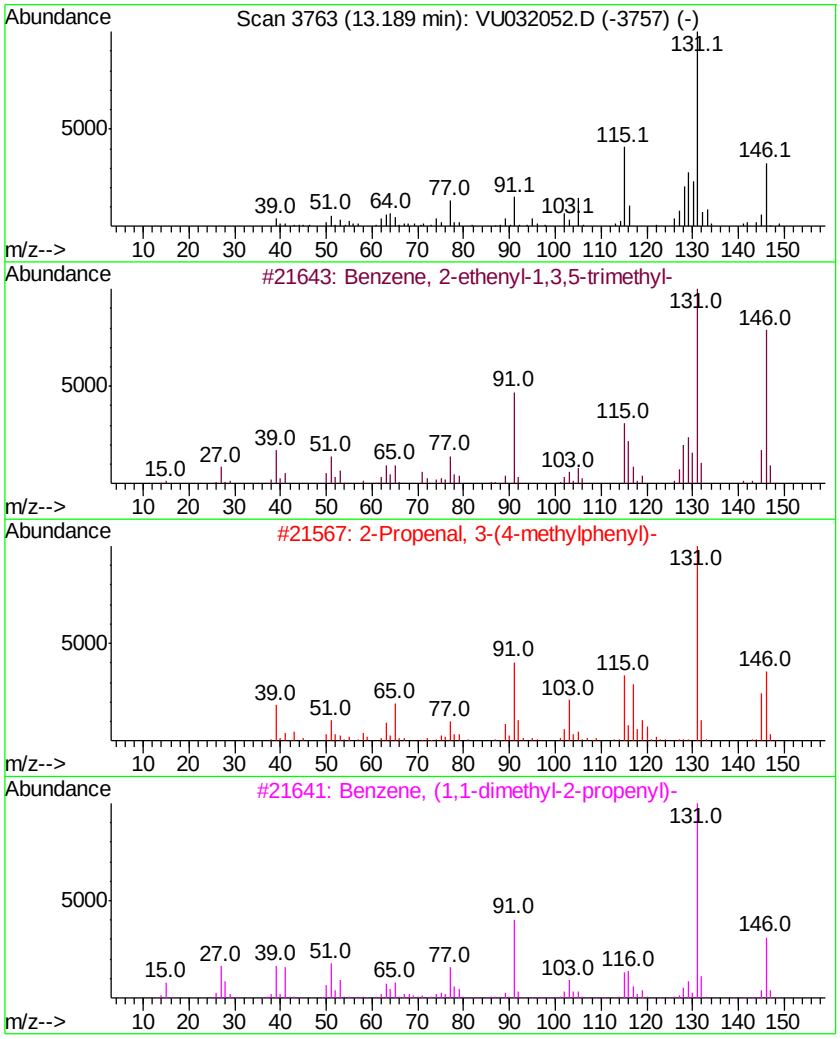
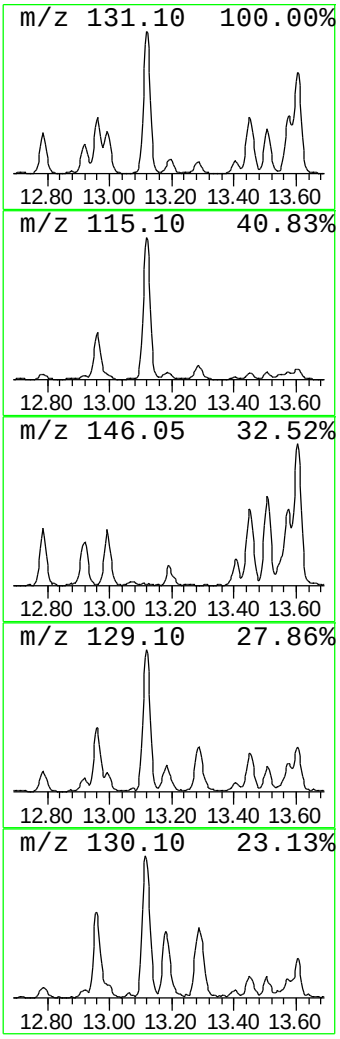
Peak Number 29 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	0.66 ug/L	161839	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83
2	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	50
3	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	47
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	47
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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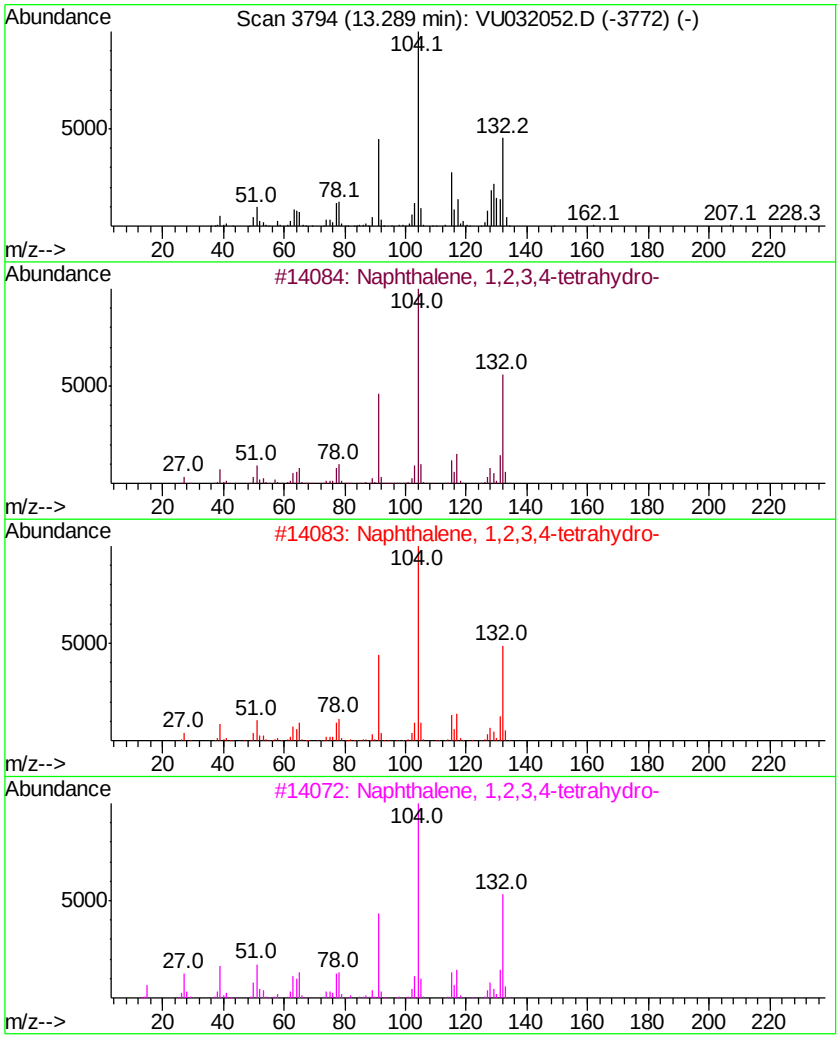
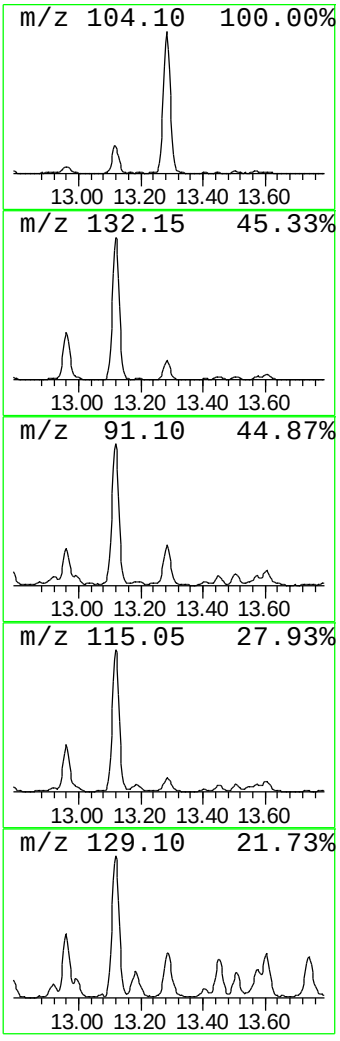
Peak Number 30 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	2.84 ug/L	699045	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
5	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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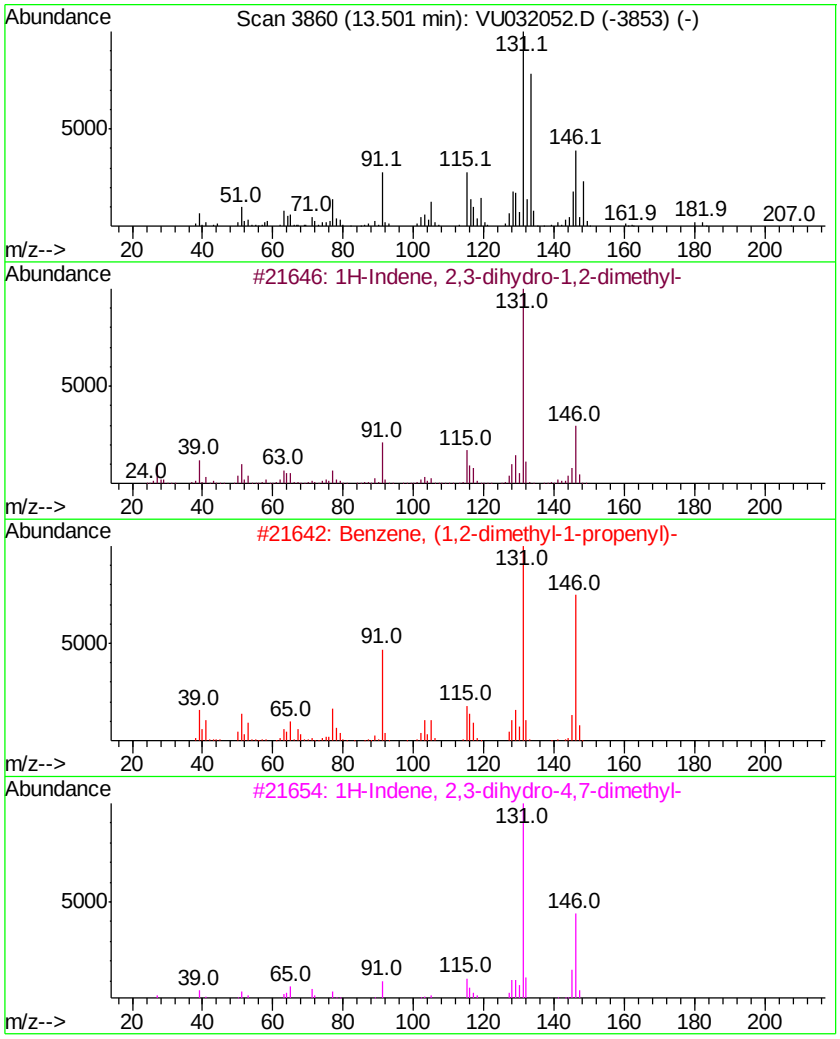
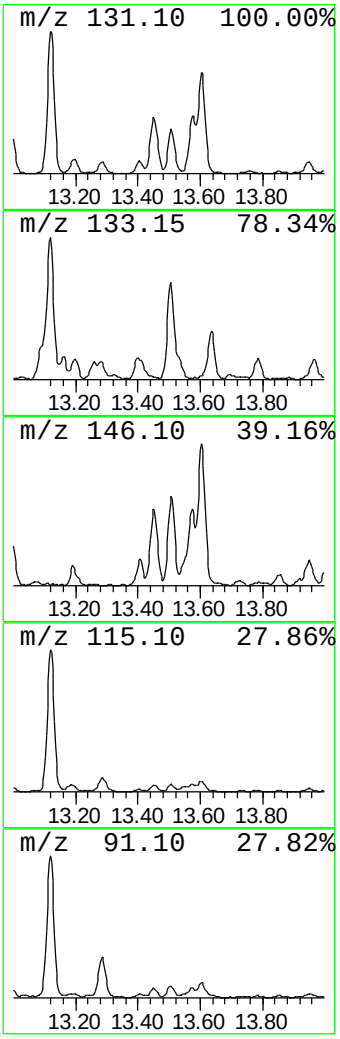
Peak Number 32 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	1.51 ug/L	372881	1,4-Dichlorobenzene-d4	11.48

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	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	92
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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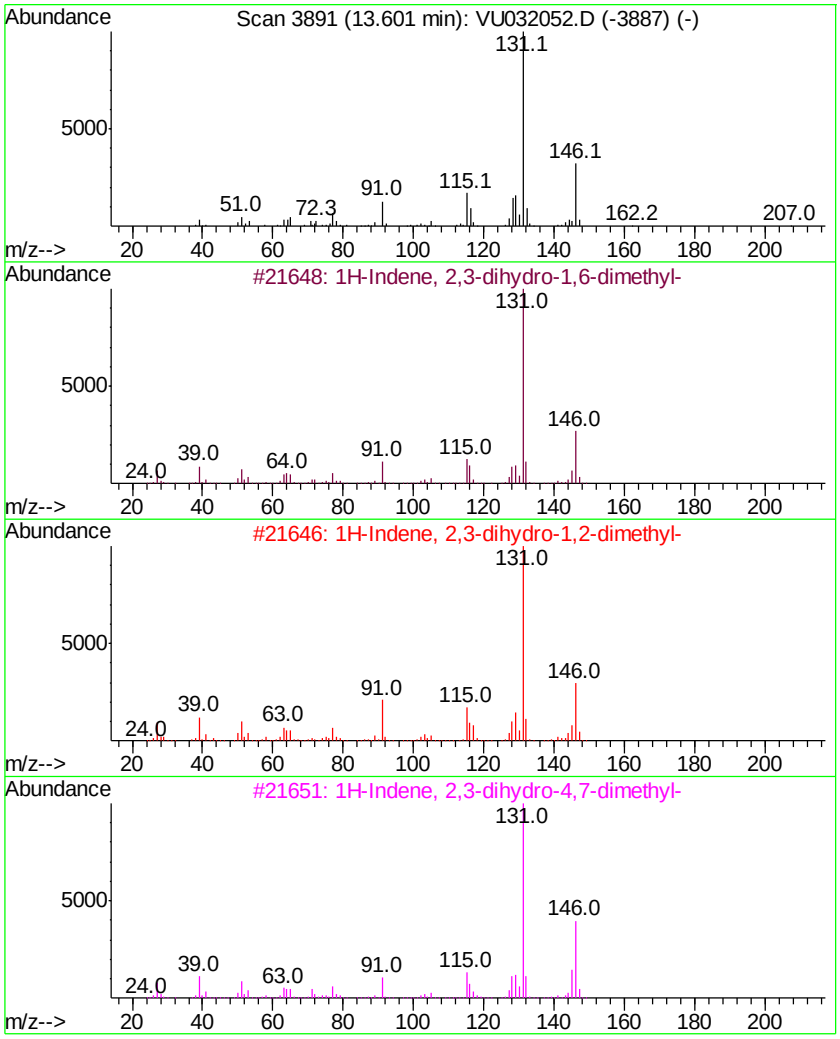
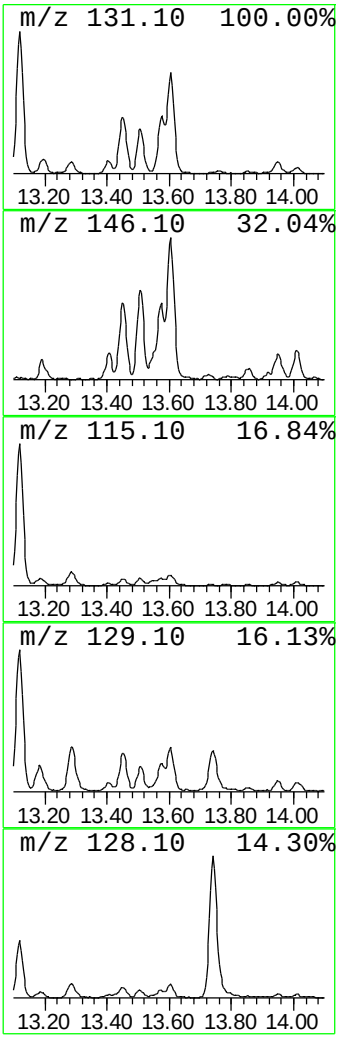
Peak Number 34 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	2.02 ug/L	496823	1,4-Dichlorobenzene-d4	11.48

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	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0

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

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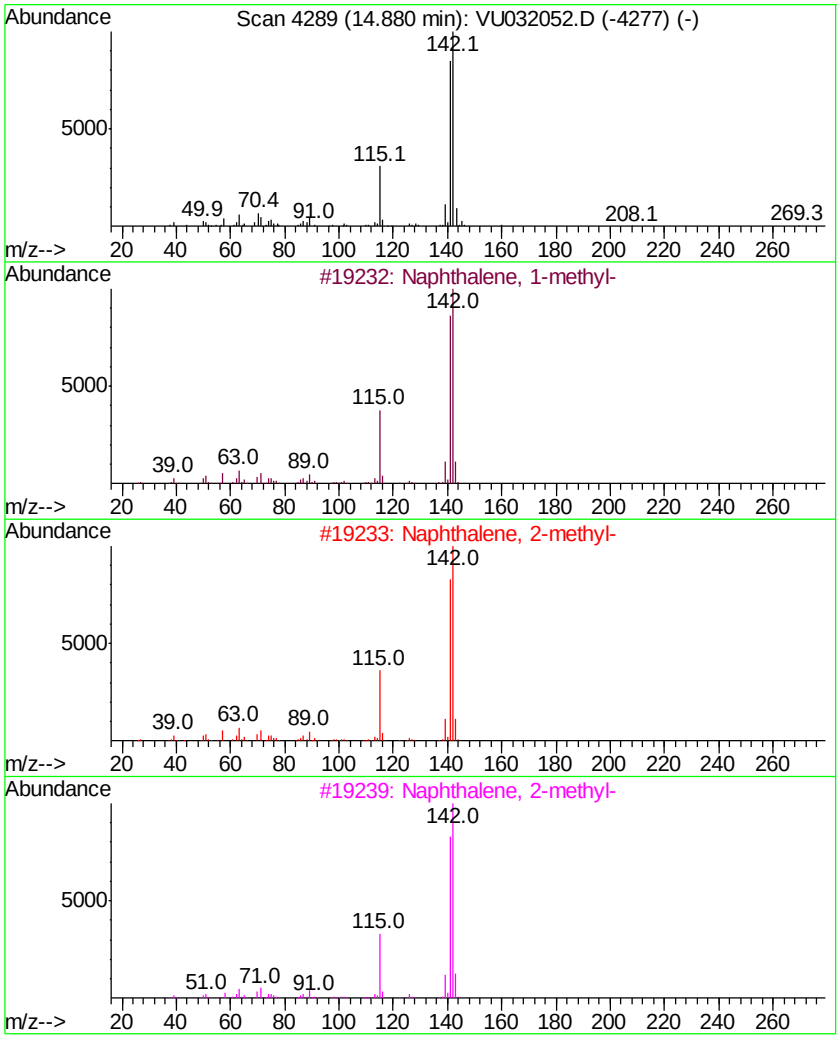
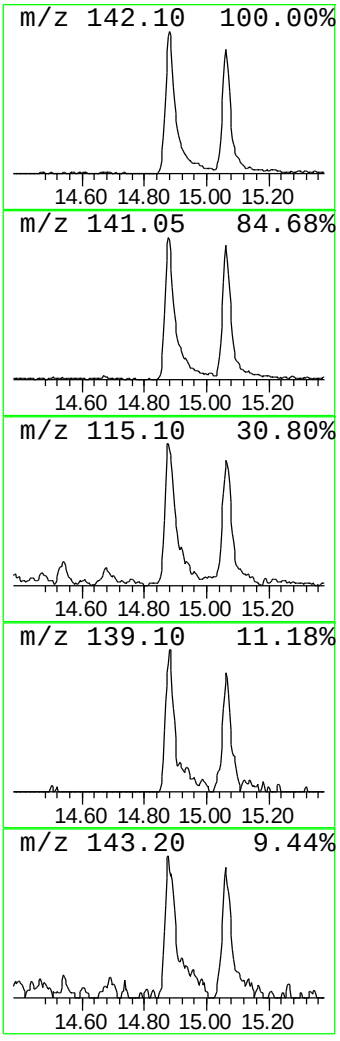
Peak Number 36 Naphthalene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	1.03 ug/L	253695	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB886DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.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...	4.08	0.7	ug/L	142394	1	5.88	1029100	5.0
(DEL) Alkane: Cyc...	5.47	0.8	ug/L	161893	1	5.88	1029100	5.0
(DEL) Alkane: Cyc...	5.54	0.7	ug/L	150825	1	5.88	1029100	5.0
(DEL) Alkane: Cyc...	5.61	1.1	ug/L	221372	1	5.88	1029100	5.0
(DEL) Alkane: Cyc...	7.70	0.7	ug/L	165258	2	9.09	1246090	5.0
(DEL) Alkane: Cyc...	7.91	1.2	ug/L	305643	2	9.09	1246090	5.0
(DEL) Alkane: Cyc...	8.04	0.8	ug/L	192331	2	9.09	1246090	5.0
(DEL) Alkane: Cyc...	8.48	0.5	ug/L	130887	2	9.09	1246090	5.0
Pentalene, octahy...	9.18	1.0	ug/L	250512	2	9.09	1246090	5.0
Bicyclo[3.2.1]octane	9.36	1.1	ug/L	287362	2	9.09	1246090	5.0
unknown-01	9.74	0.9	ug/L	234547	2	9.09	1246090	5.0
Benzene, propyl-	10.58	9.1	ug/L	2246360	3	11.48	1232560	5.0
Benzene, 1-ethyl-...	10.97	1.1	ug/L	264362	3	11.48	1232560	5.0
Benzene, (2-methy...	11.29	1.1	ug/L	275125	3	11.48	1232560	5.0
Benzene, 1-methyl...	11.32	1.3	ug/L	325906	3	11.48	1232560	5.0
Benzene, 1-propenyl-	11.77	13.5	ug/L	3327930	3	11.48	1232560	5.0
Benzene, 1,2-diet...	11.98	1.8	ug/L	445375	3	11.48	1232560	5.0
Benzene, 2-ethyl-...	12.14	0.6	ug/L	150303	3	11.48	1232560	5.0
Benzene, 4-ethyl-...	12.25	6.3	ug/L	1549640	3	11.48	1232560	5.0
1-Phenyl-1-butene	12.28	3.6	ug/L	891556	3	11.48	1232560	5.0
Indan, 1-methyl-	12.35	13.2	ug/L	3242240	3	11.48	1232560	5.0
1H-Indene, 2,3-di...	12.53	1.5	ug/L	358201	3	11.48	1232560	5.0
Benzene, 1,2,4,5-...	12.65	5.3	ug/L	1318220	3	11.48	1232560	5.0
Benzene, (3-methy...	12.78	1.3	ug/L	307620	3	11.48	1232560	5.0
1H-Indene, 2,3-di...	12.96	3.9	ug/L	956880	3	11.48	1232560	5.0
Benzene, 2-etheny...	13.12	16.5	ug/L	4061570	3	11.48	1232560	5.0
Benzene, 2-etheny...	13.19	0.7	ug/L	161839	3	11.48	1232560	5.0
Naphthalene, 1,2,...	13.29	2.8	ug/L	699045	3	11.48	1232560	5.0
1H-Indene, 2,3-di...	13.50	1.5	ug/L	372881	3	11.48	1232560	5.0
1H-Indene, 2,3-di...	13.60	2.0	ug/L	496823	3	11.48	1232560	5.0
Naphthalene, 1-me...	14.88	1.0	ug/L	253695	3	11.48	1232560	5.0