LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.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	1.116	3	8	21	rVB	1214542	1159031	10.89%	1.617%
2	1.318	60	71	78	rBV3	1039704	1605878	15.08%	2.241%
3	1.367	78	86	91	rVB2	218438	274352	2.58%	0.383%
4	1.428	98	105	112	rBV	471983	484217	4.55%	0.676%
5	1.515	114	132	138	rBV	131893	371373	3.49%	0.518%
6	1.553	138	144	155	rVV3	320879	417819	3.92%	0.583%
7	1.997	276	282	288	rVV2	127612	174598	1.64%	0.244%
8	2.045	288	297	313	rVV	4180780	5844895	54.90%	8.155%
9	2.125	315	322	336	rVB	142760	240737	2.26%	0.336%
10	2.222	342	352	365	rVB	249423	379504	3.56%	0.530%
11	2.498	431	438	461	rVB	102303	205213	1.93%	0.286%
12	2.781	514	526	545	rVB	529999	932473	8.76%	1.301%
13	3.215	642	661	684	rBV	148160	365808	3.44%	0.510%
14	3.833	827	853	868	rBV	304526	767838	7.21%	1.071%
15	3.939	868	886	910	rVB2	612059	1569687	14.74%	2.190%
16	4.379	1006	1023	1040	rBV	104124	258383	2.43%	0.361%
17	4.707	1106	1125	1141	rVB4	55615	145135	1.36%	0.203%
18	5.077	1223	1240	1247	rBV5	214118	525604	4.94%	0.733%
19	5.125	1247	1255	1274	rVB2	318742	697031	6.55%	0.973%
20	5.643	1403	1416	1433	rBV	216760	434484	4.08%	0.606%
21	5.968	1501	1517	1535	rVB2	559058	1112237	10.45%	1.552%
22	6.096	1548	1557	1567	rVV	102886	188600	1.77%	0.263%
23	6.157	1567	1576	1587	rVB3	80476	167154	1.57%	0.233%
24	7.010	1831	1841	1860	rBV2	63623	116091	1.09%	0.162%
25	7.341	1933	1944	1953	rBV	246560	412432	3.87%	0.575%
26	7.411	1953	1966	1994	rVB	6257645	10646347	100.00%	14.854%
27	8.106	2171	2182	2198	rBV	239726	418256	3.93%	0.584%
28	8.874	2410	2421	2441	rBV2	323908	605213	5.68%	0.844%
29	9.032	2458	2470	2492	rBV	3284766	5045042	47.39%	7.039%
30	9.157	2494	2509	2526	rVV	4569437	7214967	67.77%	10.067%
31	9.562	2623	2635	2658	rVB	3192239	4896946	46.00%	6.832%
32	9.951	2745	2756	2770	rBV	158320	251952	2.37%	0.352%
33	10.038	2771	2783	2795	rBV	358967	551955	5.18%	0.770%
34	10.238	2829	2845	2859	rBV	95562	164569	1.55%	0.230%

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ALS Vial : 11 Sample Multiplier: 1

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Title : TRACE VOA SOM01.0

35	10.376	2876	2888	2897	rBV	177495	279244	2.62%	0.390%
36	10.469	2909	2917	2922	rBV	244654	365163	3.43%	0.509%
37	10.559	2935	2945	2957	rVB	258340	377279	3.54%	0.526%
38	10.714	2980	2993	2999	rBV	104787	161057	1.51%	0.225%
39	10.759	2999	3007	3031	rVB	317763	507428	4.77%	0.708%
40	10.935	3052	3062	3079	rVB	461124	690291	6.48%	0.963%
41	11.215	3139	3149	3156	rBV	73534	108339	1.02%	0.151%
42	11.270	3156	3166	3182	rVB2	406765	646830	6.08%	0.902%
43	11.357	3182	3193	3206	rBV	665776	970632	9.12%	1.354%
44	11.550	3242	3253	3262	rBV	250704	443202	4.16%	0.618%
45	11.595	3263	3267	3275	rVV	109989	155821	1.46%	0.217%
46	11.649	3275	3284	3303	rVB5	388921	774471	7.27%	1.081%
47	11.842	3333	3344	3356	rVB	85723	131978	1.24%	0.184%
48	11.932	3361	3372	3377	rBV	125918	194056	1.82%	0.271%
49	11.961	3377	3381	3392	rVB	112243	157599	1.48%	0.220%
50	12.038	3394	3405	3424	rVB	224696	387533	3.64%	0.541%
51	12.138	3425	3436	3446	rBV2	163135	292755	2.75%	0.408%
52	12.337	3487	3498	3511	rVV2	100560	179342	1.68%	0.250%
53	12.434	3512	3528	3536	rVV	93442	156000	1.47%	0.218%
54	12.488	3536	3545	3561	rVB	195993	303851	2.85%	0.424%
55	12.855	3650	3659	3666	rBV2	144042	238512	2.24%	0.333%
56	12.903	3666	3674	3690	rVB2	309479	502187	4.72%	0.701%
57	13.067	3716	3725	3737	rBV	338652	503809	4.73%	0.703%
58	13.241	3770	3779	3787	rBV2	102366	156113	1.47%	0.218%
59	13.292	3787	3795	3802	rBV2	119997	199511	1.87%	0.278%
60	13.389	3820	3825	3833	rVB	104851	130025	1.22%	0.181%
61	13.524	3857	3867	3877	rBV	325414	497049	4.67%	0.694%
62	13.633	3890	3901	3915	rBV	703702	1065915	10.01%	1.487%
63	13.729	3919	3931	3944	rVB	706616	1129501	10.61%	1.576%
64	13.932	3984	3994	4004	rBV	171990	279558	2.63%	0.390%
65	14.119	4039	4052	4074	rVB6	211791	576612	5.42%	0.805%
66	14.254	4085	4094	4103	rBV3	147078	236198	2.22%	0.330%
67	14.318	4104	4114	4126	rVB2	287319	543107	5.10%	0.758%
68	14.453	4144	4156	4170	rBV2	942101	1493216	14.03%	2.083%
69	14.643	4195	4215	4228	rBV3	583014	1594346	14.98%	2.225%
70	14.710	4228	4236	4250	rVB3	434285	794021	7.46%	1.108%
71	14.791	4251	4261	4267	rBV2	107745	162735	1.53%	0.227%

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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

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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Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Title : TRACE VOA SOM01.0

72	14.842	4267	4277	4288	rVV	637214	1004761	9.44%	1.402%
73	14.906	4288	4297	4303	rVV2	252596	430145	4.04%	0.600%
74	14.938	4303	4307	4322	rVB2	209506	313550	2.95%	0.437%
75	15.028	4323	4335	4344	rBV4	166240	323878	3.04%	0.452%
76	15.202	4375	4389	4398	rBV	104110	184676	1.73%	0.258%
77	15.366	4421	4440	4442	rBV2	525582	876672	8.23%	1.223%
78	15.450	4457	4466	4481	rVB3	119757	216420	2.03%	0.302%
79	15.582	4498	4507	4514	rBV3	146809	259294	2.44%	0.362%
80	15.694	4530	4542	4551	rBV2	462014	795075	7.47%	1.109%
81	15.742	4553	4557	4569	rVB	108789	154058	1.45%	0.215%
82	15.839	4578	4587	4594	rBV	304333	493564	4.64%	0.689%
83	15.874	4594	4598	4615	rVB2	159318	238439	2.24%	0.333%
84	16.061	4643	4656	4673	rVB3	92683	232746	2.19%	0.325%
85	16.208	4688	4702	4712	rBV2	68105	117190	1.10%	0.164%

Sum of corrected areas: 71671575

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
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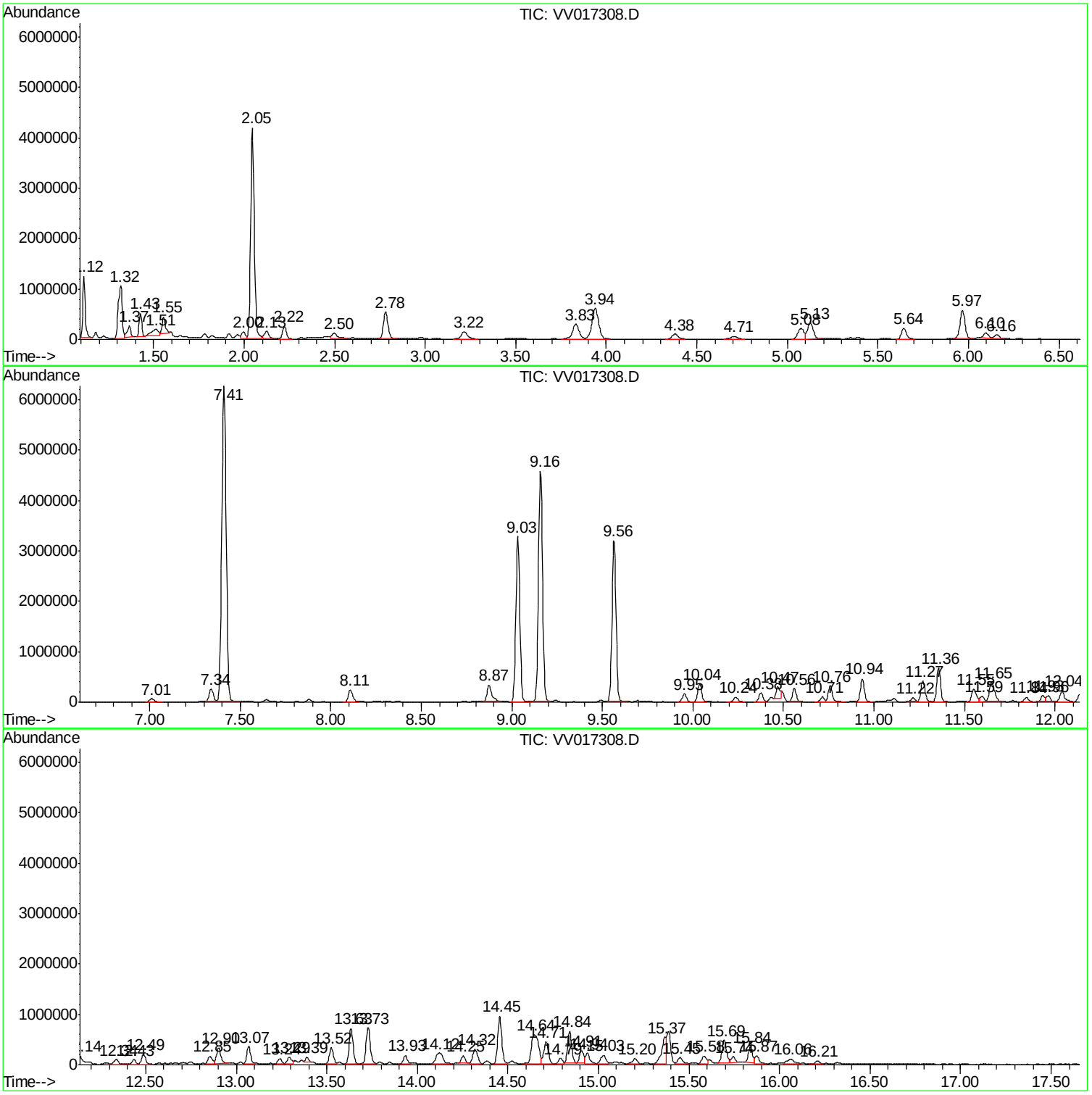
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

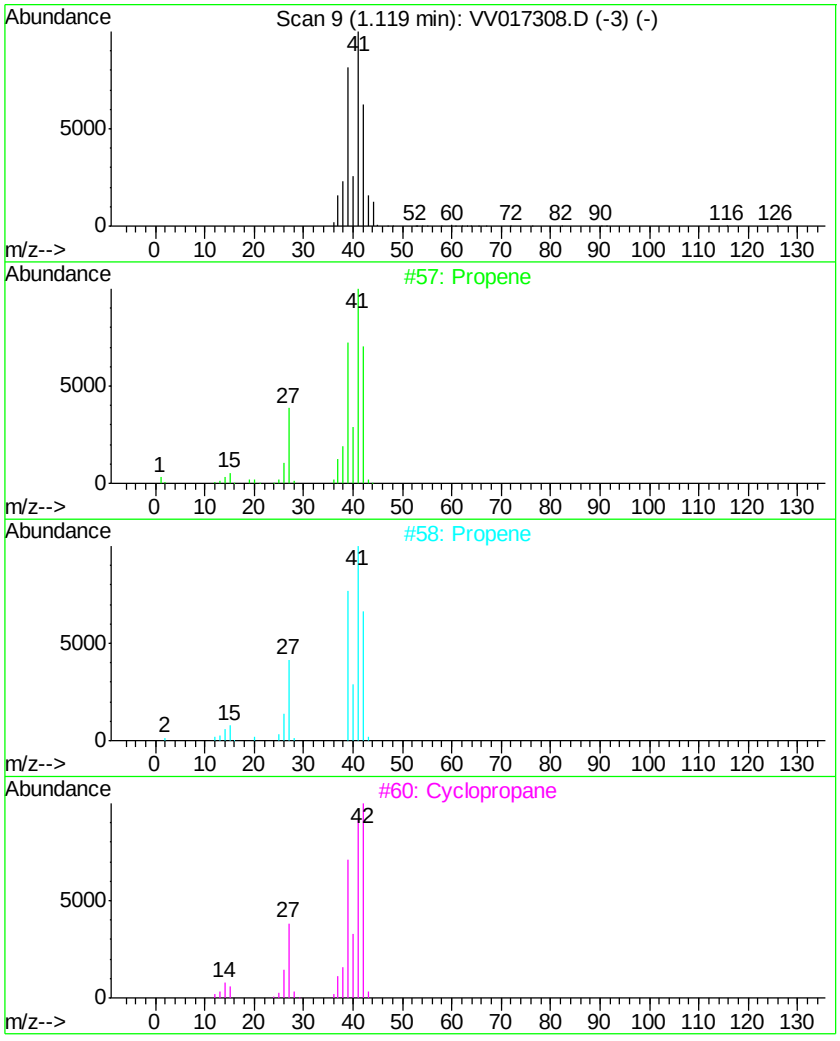
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

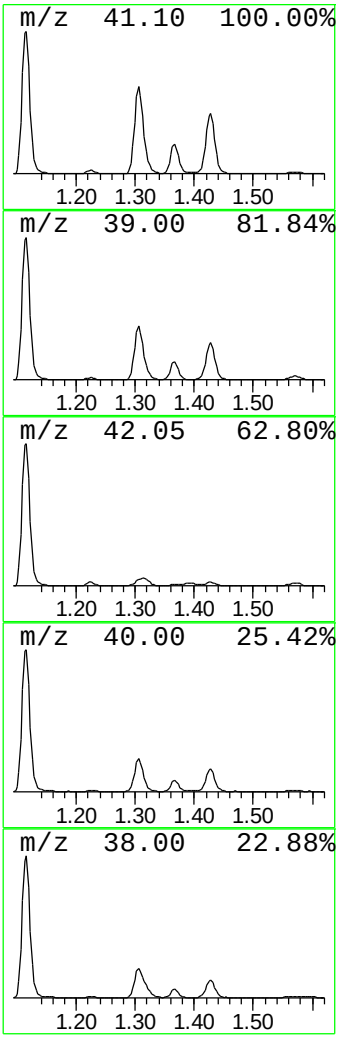
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.12	13.34 ug/L	1159030	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	42
3	Cyclopropane	42	C3H6	000075-19-4	9
4	Cyclopropene	40	C3H4	002781-85-3	9
5	Cyclopropane	42	C3H6	000075-19-4	7





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

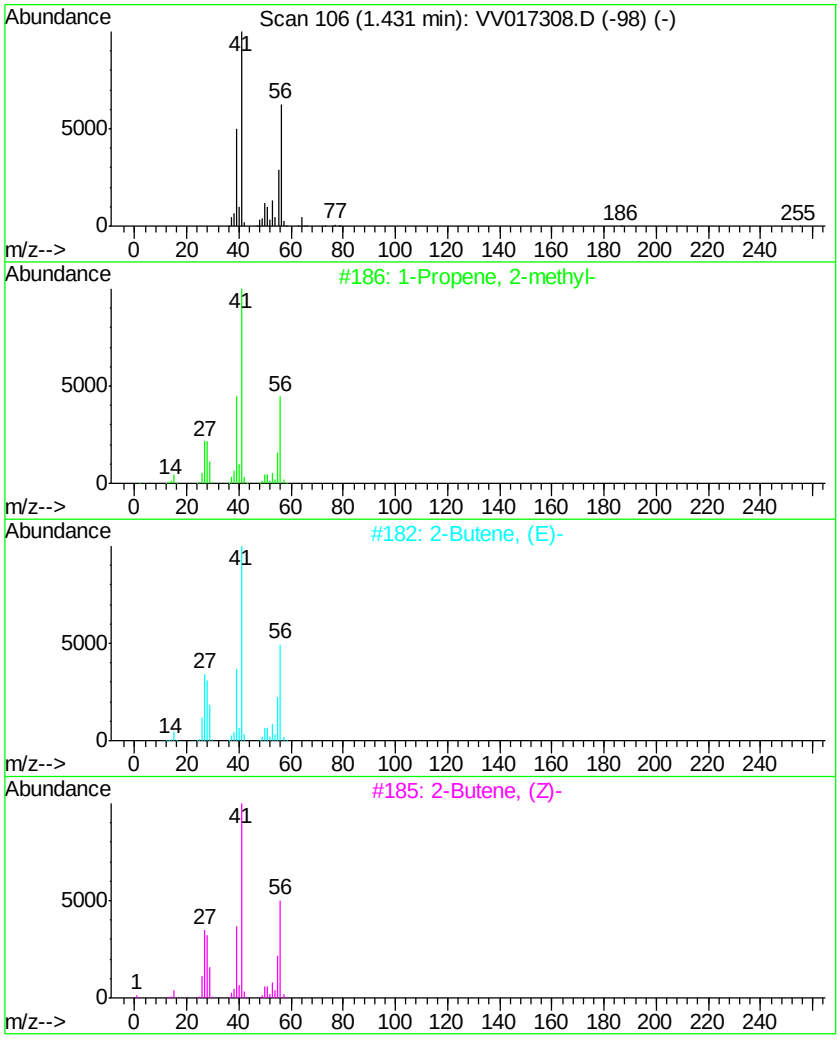
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

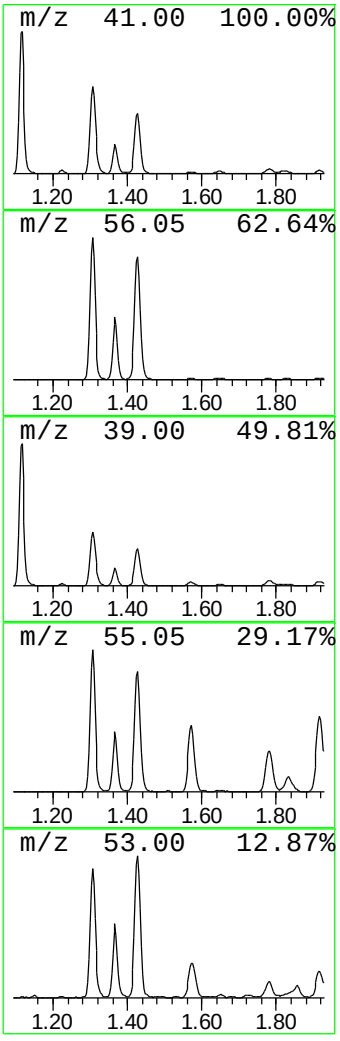
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.43	5.57 ug/L	484217	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	72
2	2-Butene, (E)-	56	C4H8	000624-64-6	64
3	2-Butene, (Z)-	56	C4H8	000590-18-1	64
4	2-Butene, (Z)-	56	C4H8	000590-18-1	64
5	2-Butene	56	C4H8	000107-01-7	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

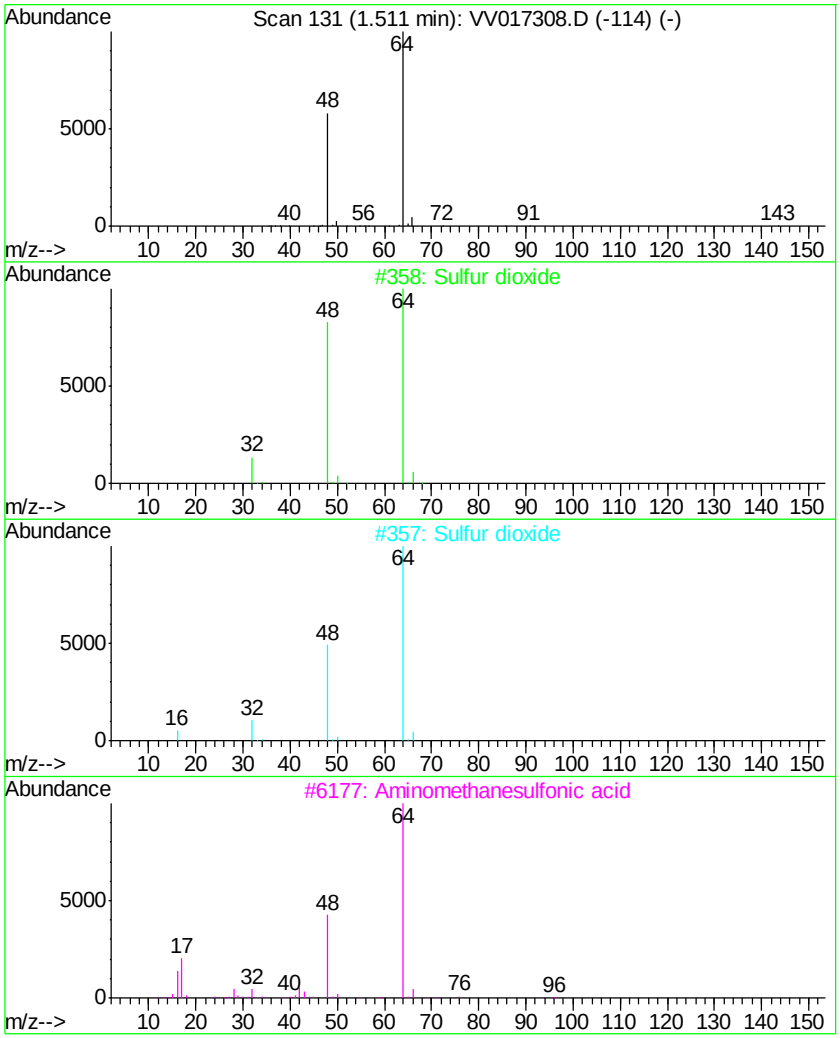
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

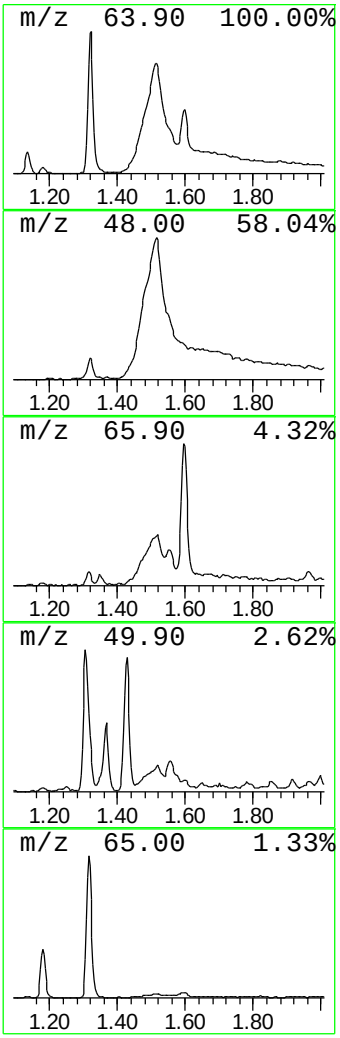
****

Peak Number 3 Sulfur dioxide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.51	4.27 ug/L	371373	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Sulfur dioxide	64	O2S	007446-09-5	83
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9





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Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

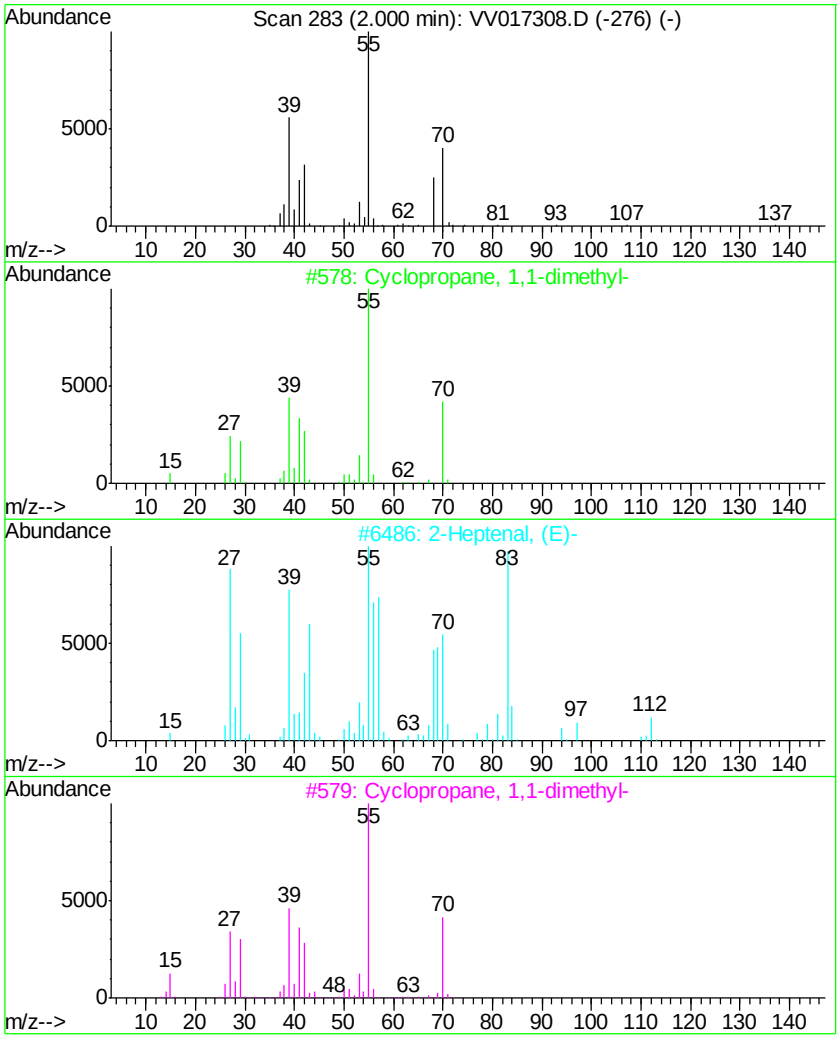
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

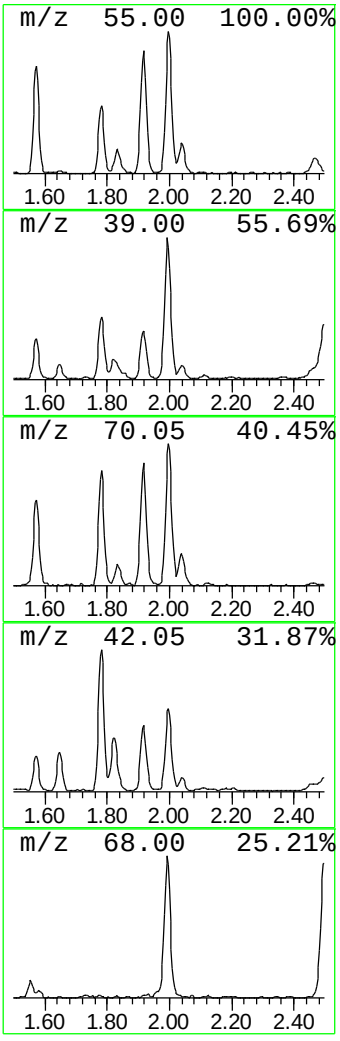
****

Peak Number 4 (DEL) Alkane: Cyclic2.00 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	2.01 ug/L	174598	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	59
2	2-Heptenal, (E)-	112	C7H12O	018829-55-5	50
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	50
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	49
5	2-Methyl-1-butene	70	C5H10	000563-46-2	49





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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

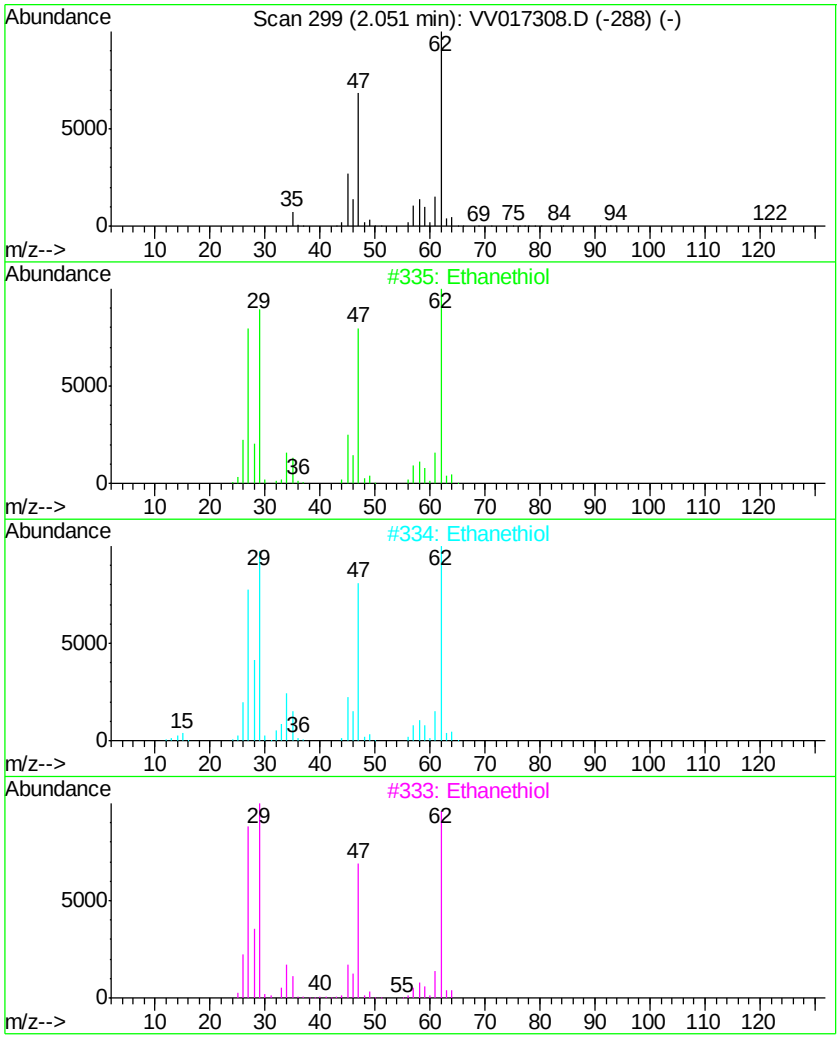
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

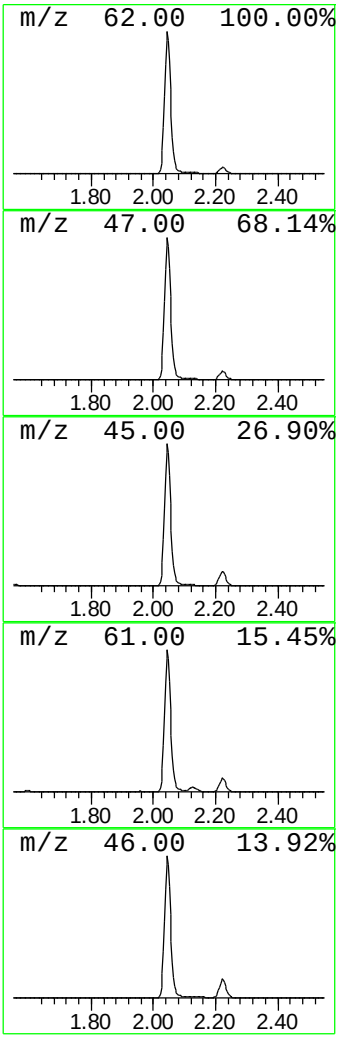
****

Peak Number 5 Ethanethiol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.05	67.26 ug/L	5844900	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanethiol	62	C2H6S	000075-08-1	91
2	Ethanethiol	62	C2H6S	000075-08-1	91
3	Ethanethiol	62	C2H6S	000075-08-1	91
4	Ethanethiol	62	C2H6S	000075-08-1	91
5	Ethanethiol	62	C2H6S	000075-08-1	91





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ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

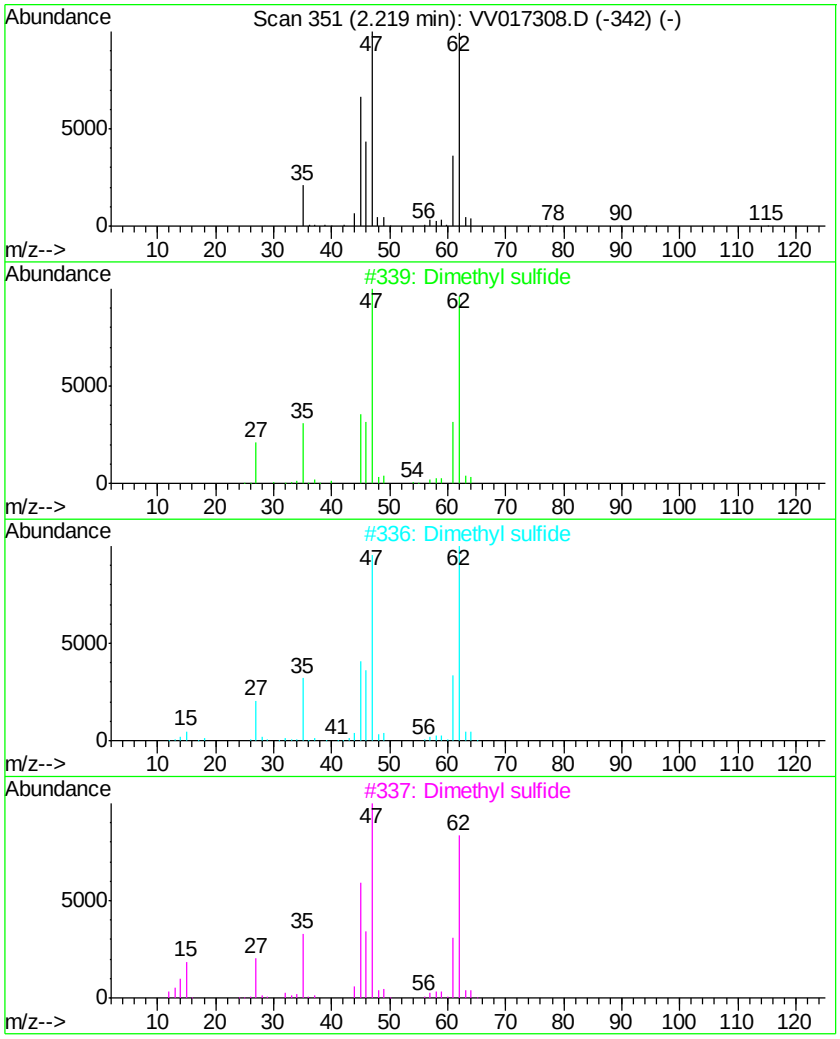
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

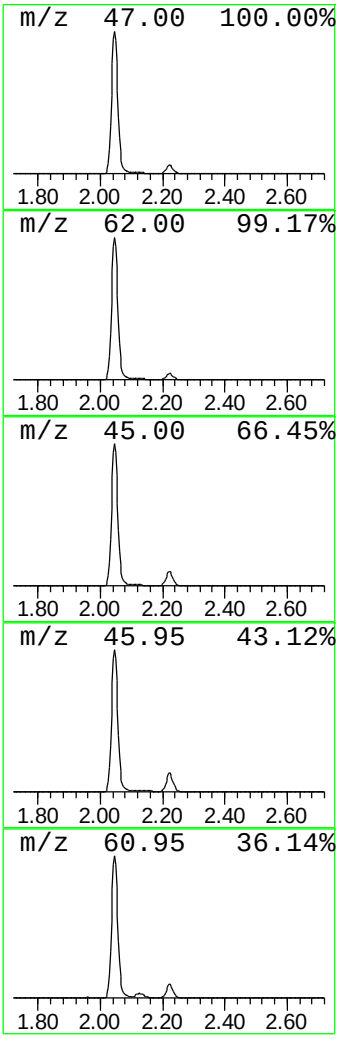
****

Peak Number 6 Dimethyl sulfide Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	4.37 ug/L	379504	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	95
2	Dimethyl sulfide	62	C2H6S	000075-18-3	91
3	Dimethyl sulfide	62	C2H6S	000075-18-3	91
4	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	86
5	Dimethyl sulfide	62	C2H6S	000075-18-3	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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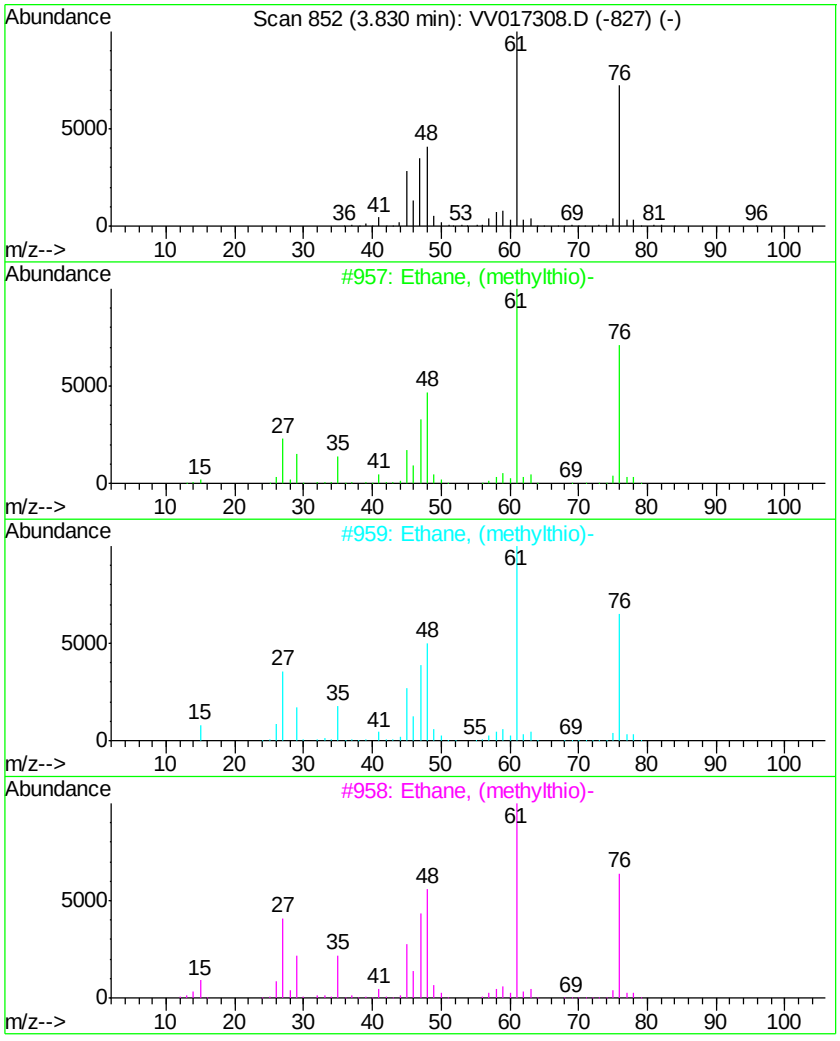
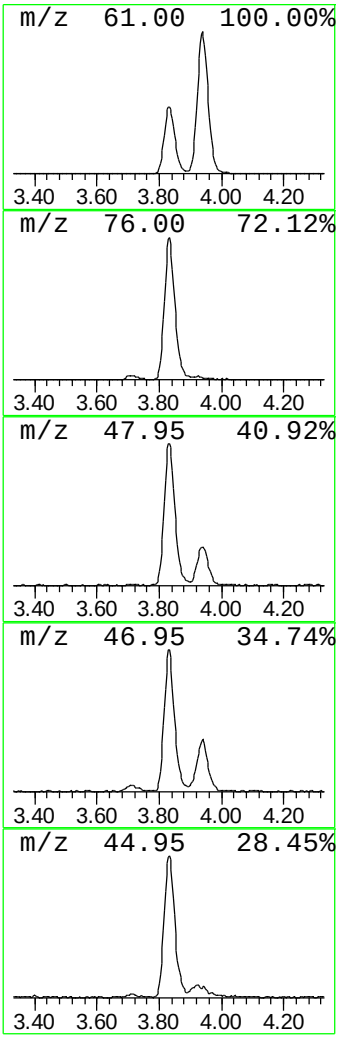
Peak Number 7 Ethane, (methylthio)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.83	8.84 ug/L	767838	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, (methylthio)-	76	C3H8S	000624-89-5	95
2	Ethane, (methylthio)-	76	C3H8S	000624-89-5	94
3	Ethane, (methylthio)-	76	C3H8S	000624-89-5	94
4	Trimethylphosphine	76	C3H9P	000594-09-2	35
5	p-Dithiane-2,5-diol	152	C4H8O2S2	040018-26-6	35





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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

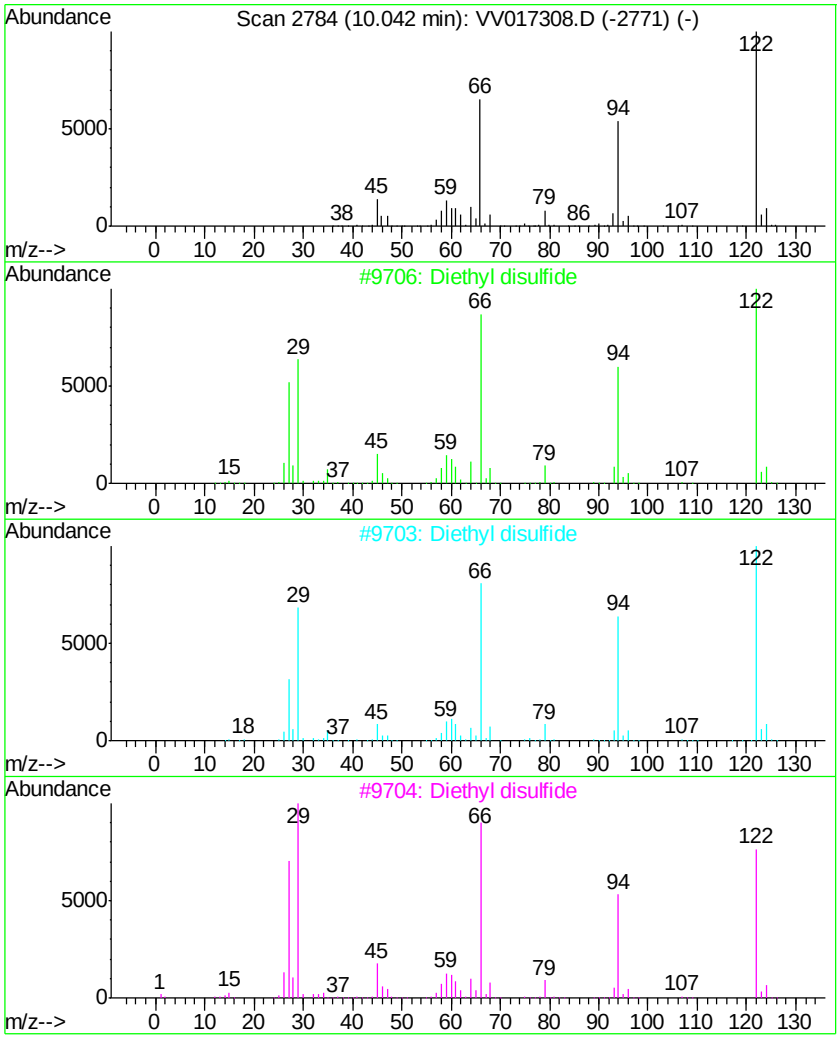
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

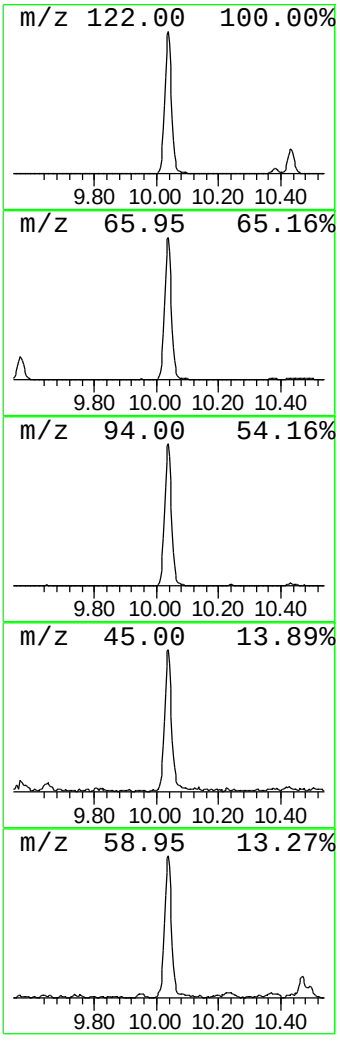
****

Peak Number 9 Diethyl disulfide Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	4.56 ug/L	551955	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl disulfide	122	C4H10S2	000110-81-6	95
2	Diethyl disulfide	122	C4H10S2	000110-81-6	91
3	Diethyl disulfide	122	C4H10S2	000110-81-6	38
4	6-exo-Methyl-5-endo-norbornenol	124	C8H12O	041414-52-2	38
5	5-exo-Methyl-5-norbornenol	124	C8H12O	003212-13-3	32





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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

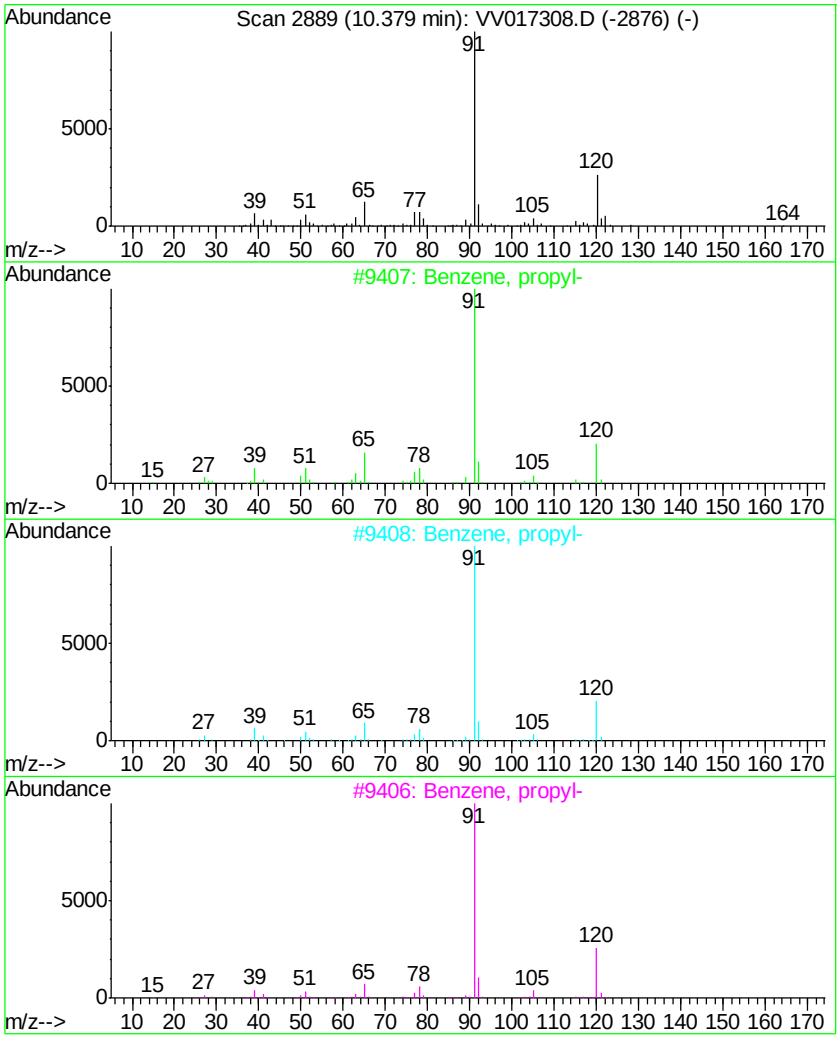
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

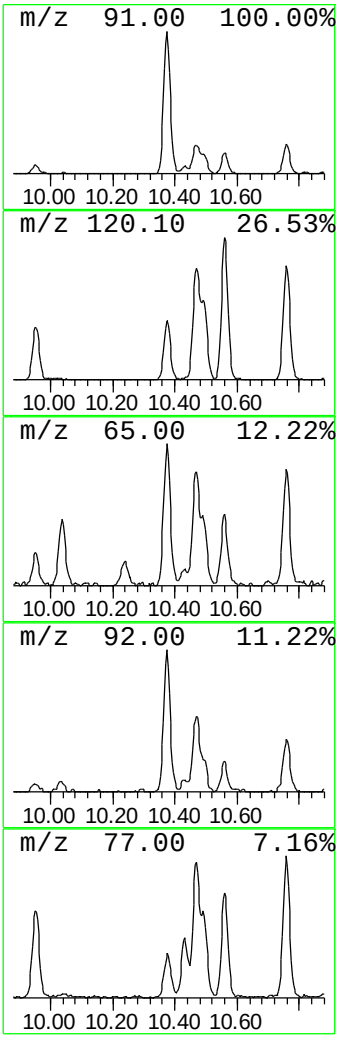
****

Peak Number 10 Benzene, propyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	2.16 ug/L	279244	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	93
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	80
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	47
5	1,3,5-Cycloheptatriene, 7-ethyl-	120	C9H12	017634-51-4	47





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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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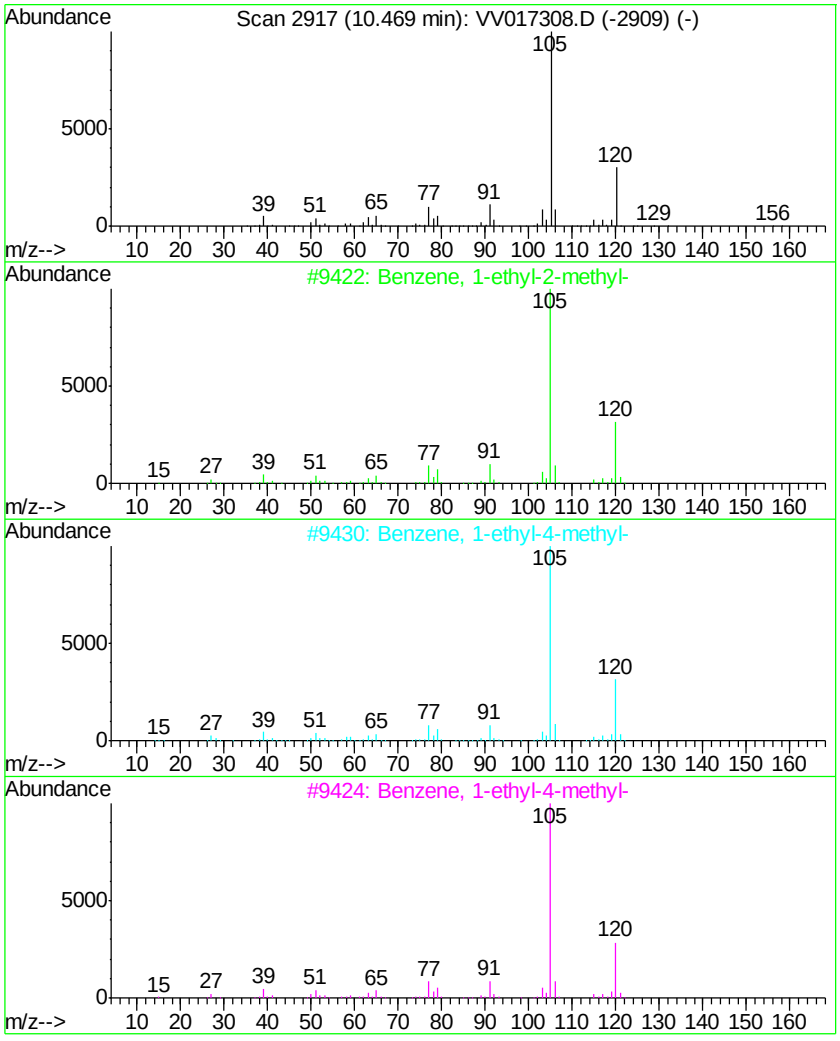
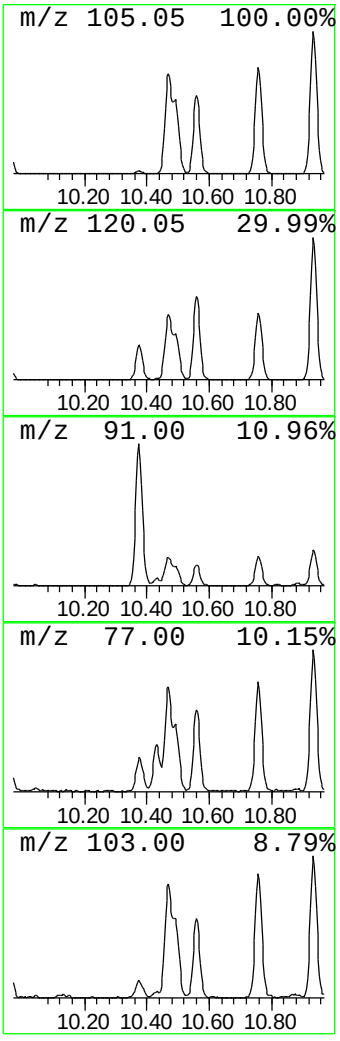
Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	2.82 ug/L	365163	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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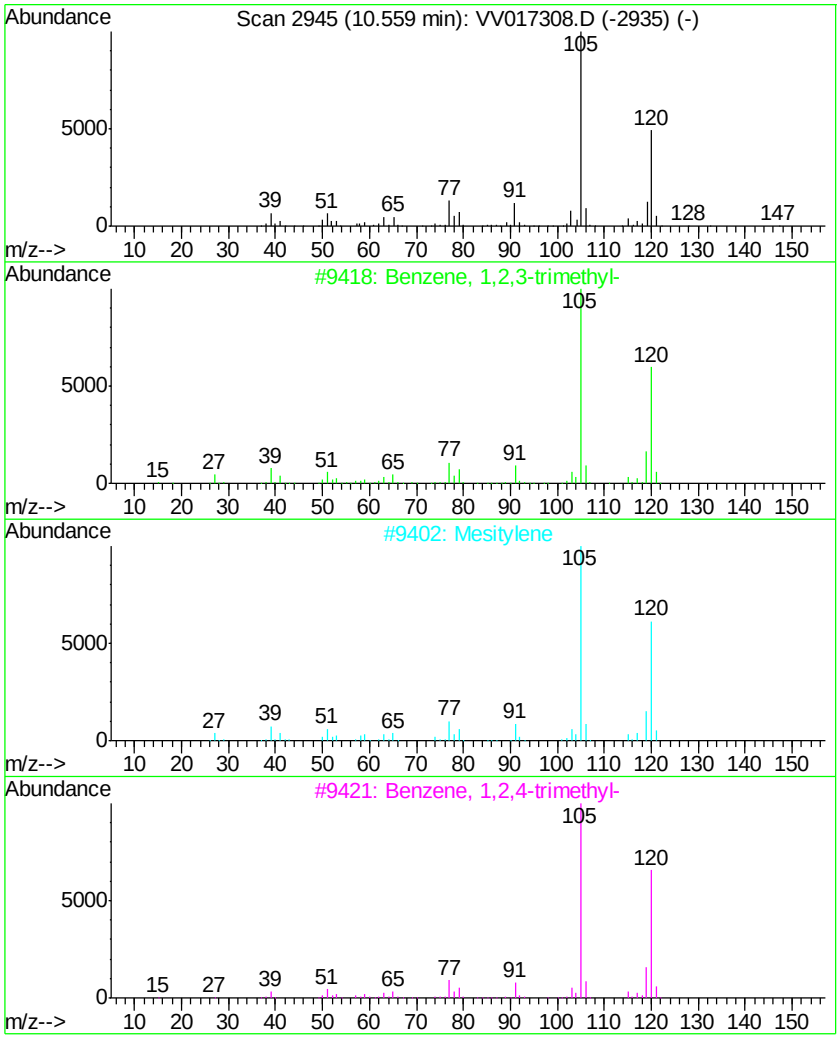
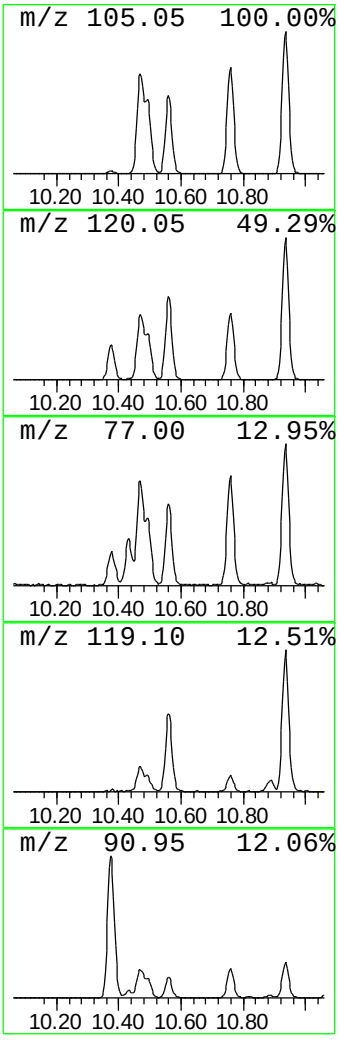
Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	2.92 ug/L	377279	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Mesitylene	120	C9H12	000108-67-8	94





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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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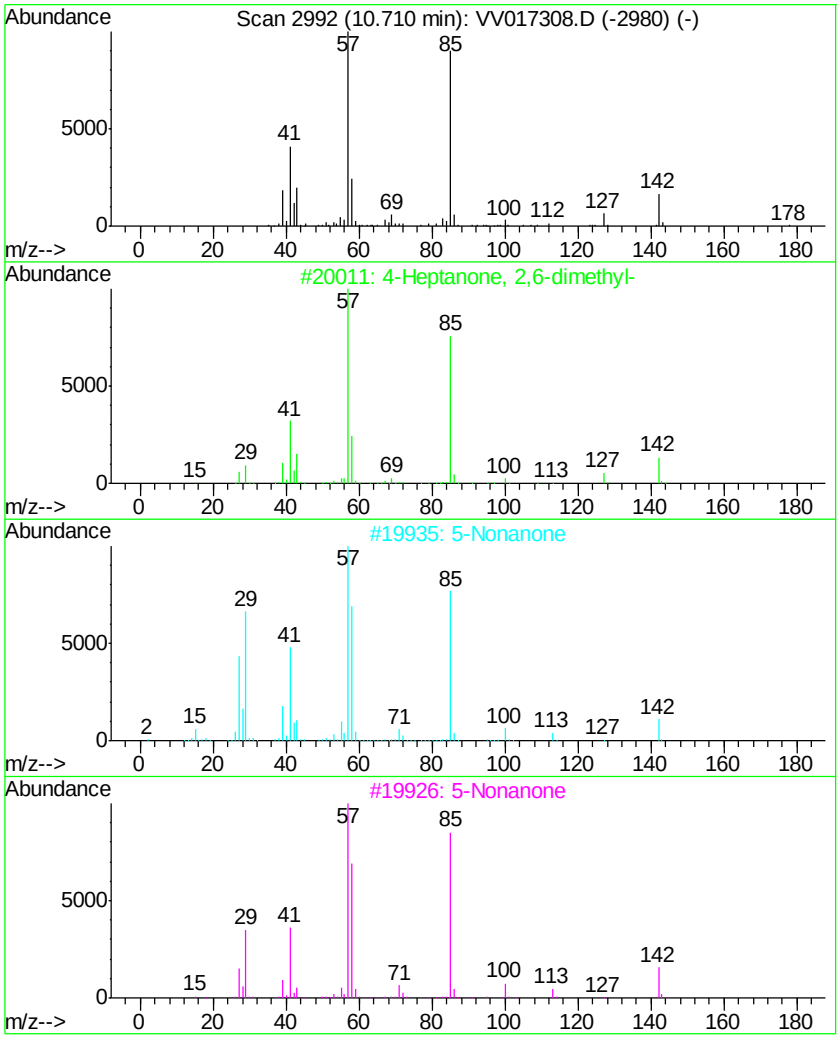
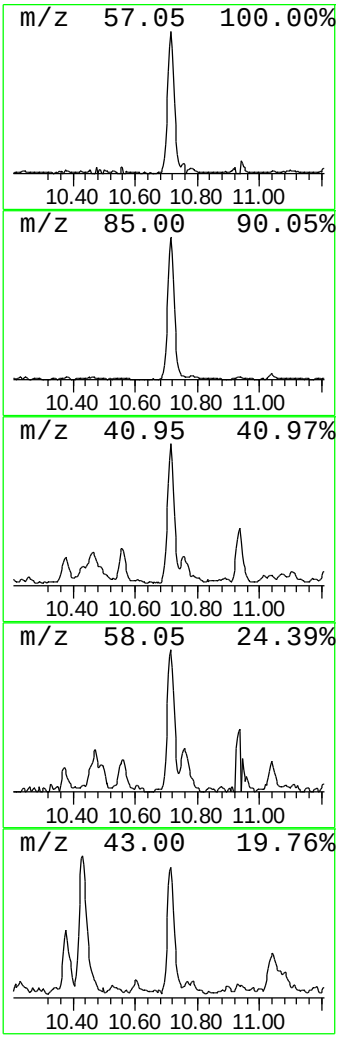
Peak Number 13 4-Heptanone, 2,6-dimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	1.24 ug/L	161057	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
2	5-Nonanone	142	C9H18O	000502-56-7	64
3	5-Nonanone	142	C9H18O	000502-56-7	59
4	3-Hexanone, 2,5-dimethyl-	128	C8H16O	001888-57-9	59
5	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	53





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Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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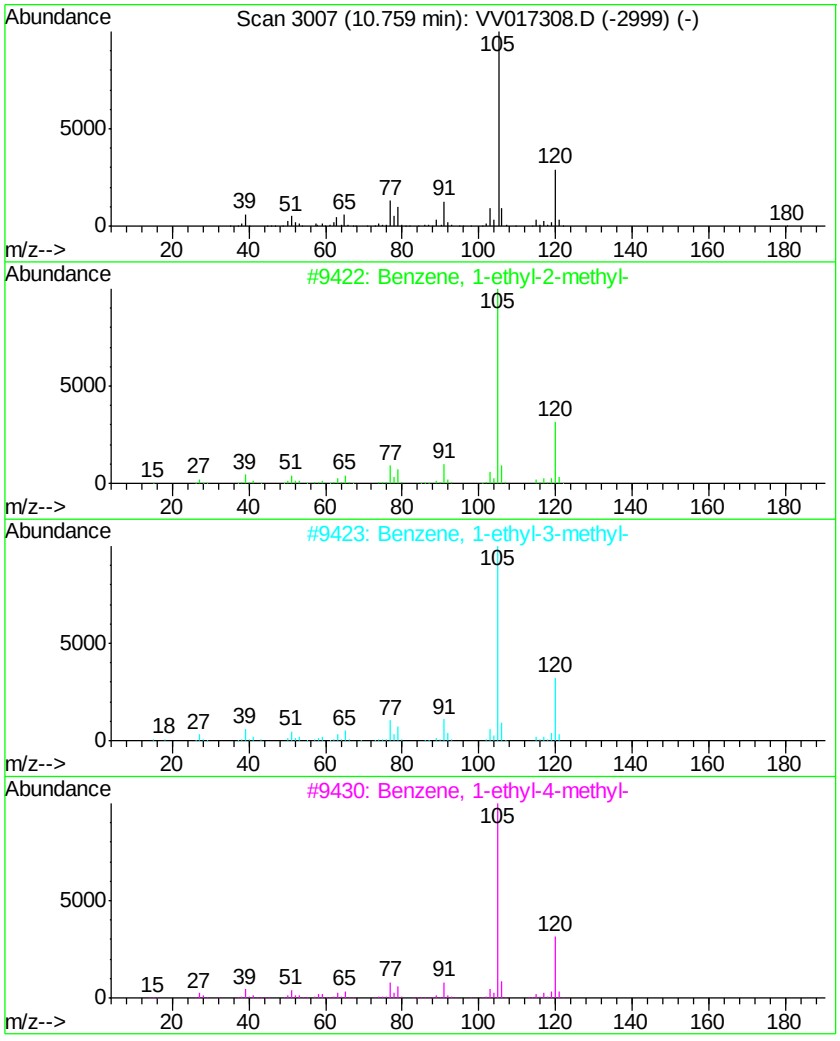
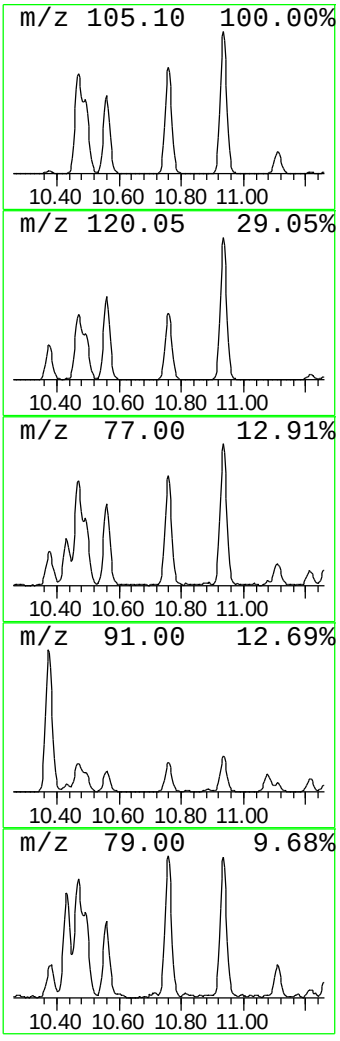
Peak Number 14 Benzene, 1-ethyl-3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.92 ug/L	507428	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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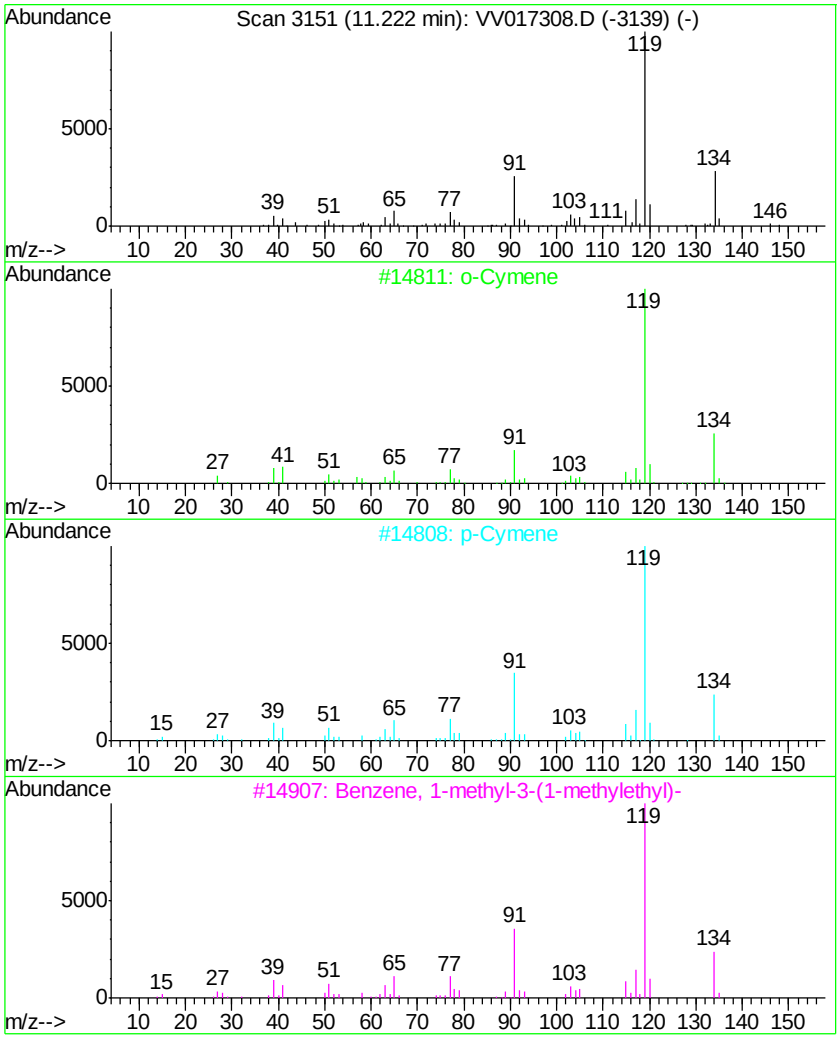
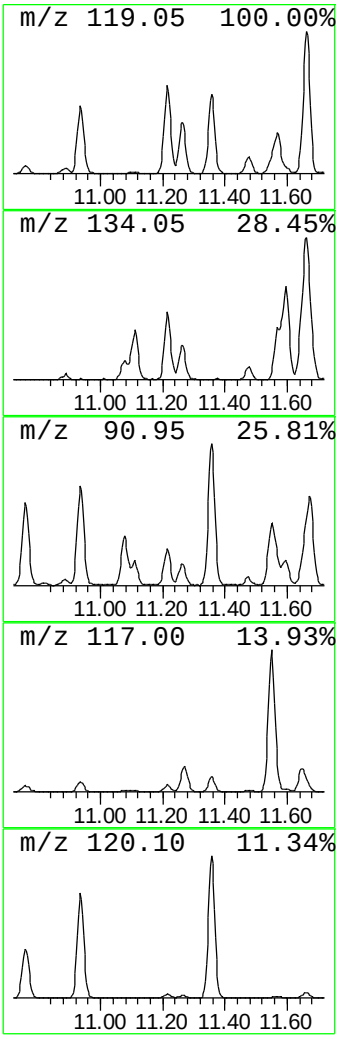
Peak Number 16 o-Cymene Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	0.84 ug/L	108339	1,4-Dichlorobenzene-d4	11.27

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





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Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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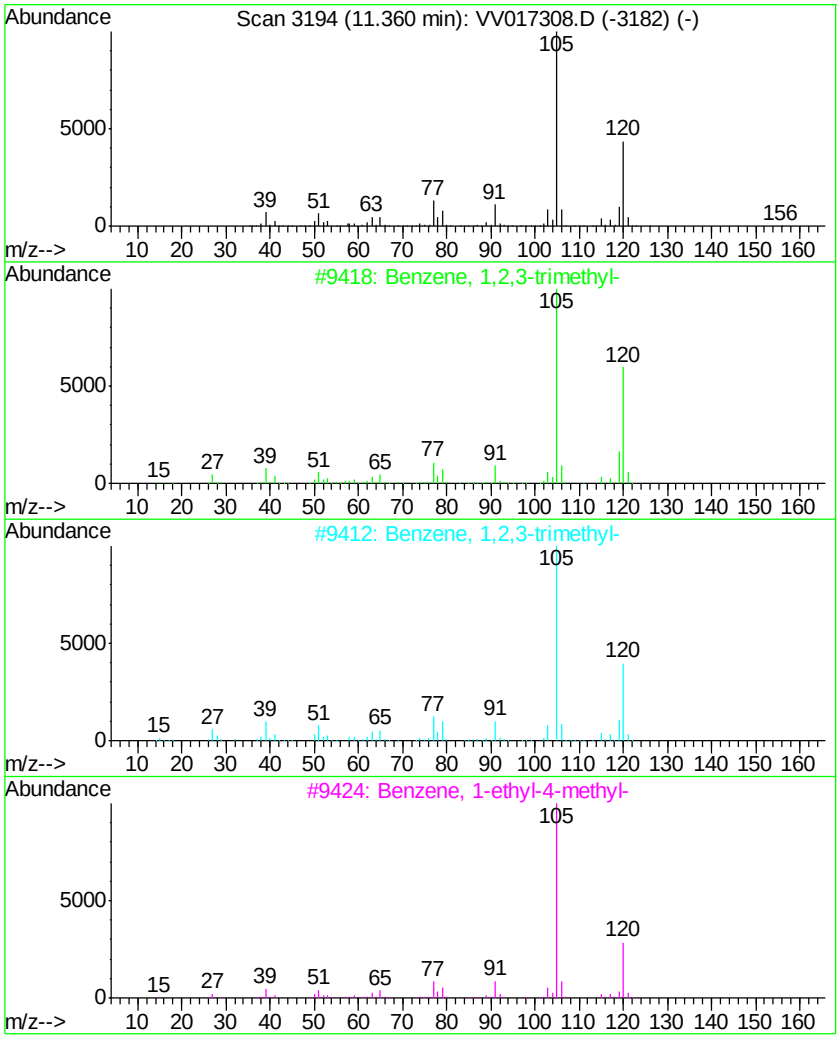
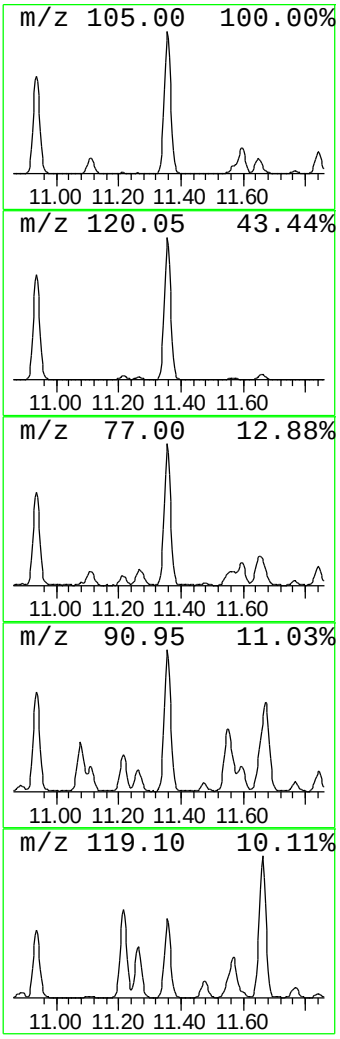
Peak Number 17 Benzene, 1-ethyl-4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	7.50 ug/L	970632	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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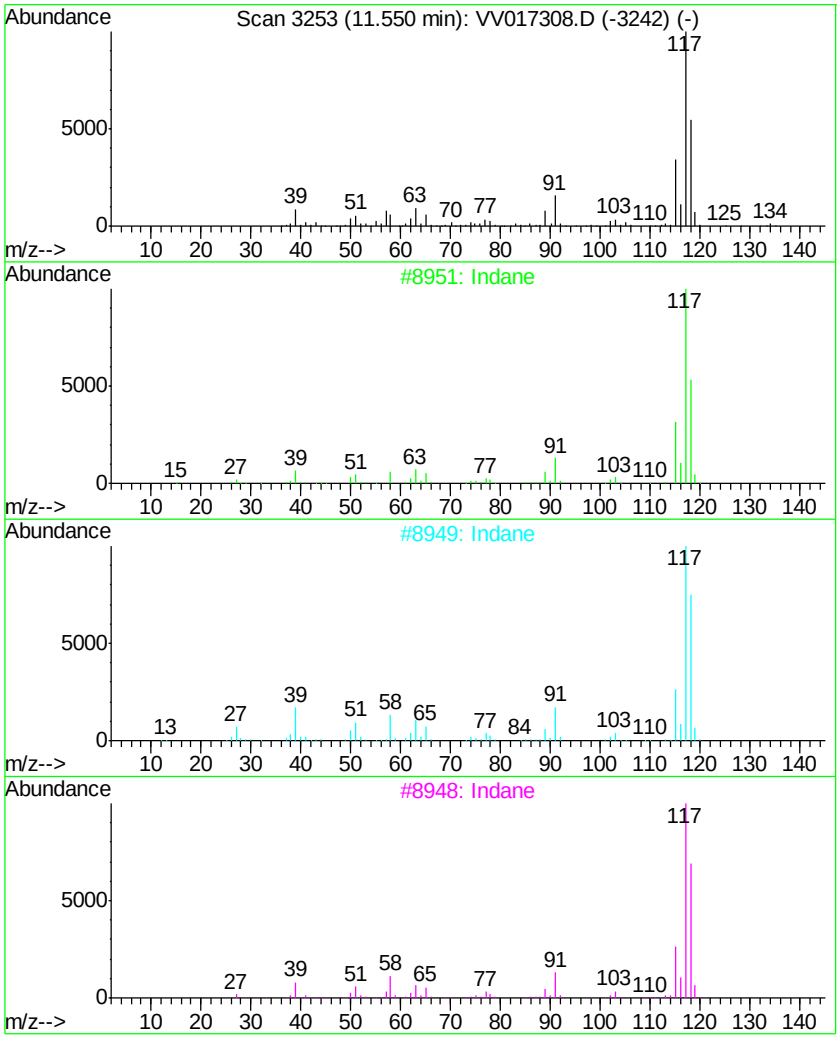
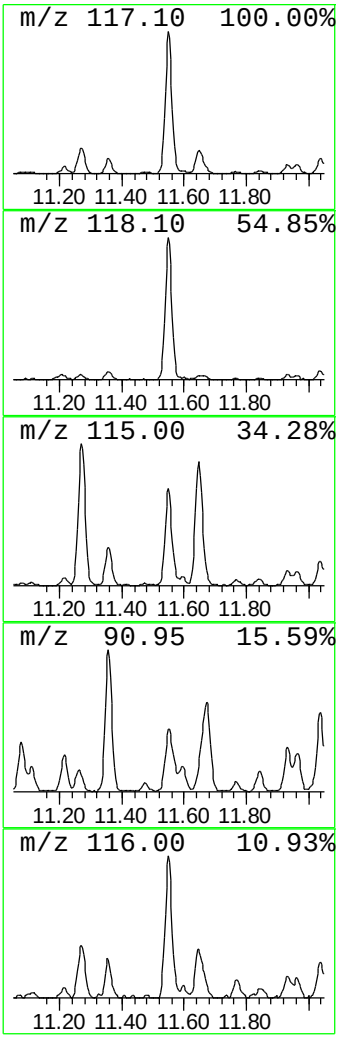
Peak Number 18 Indane Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	3.43 ug/L	443202	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	90
4	Indane	118	C9H10	000496-11-7	90
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	74





Library Search Compound Report

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Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.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-methyl-2-propyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	1.20 ug/L	155821	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	72
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	58
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	58
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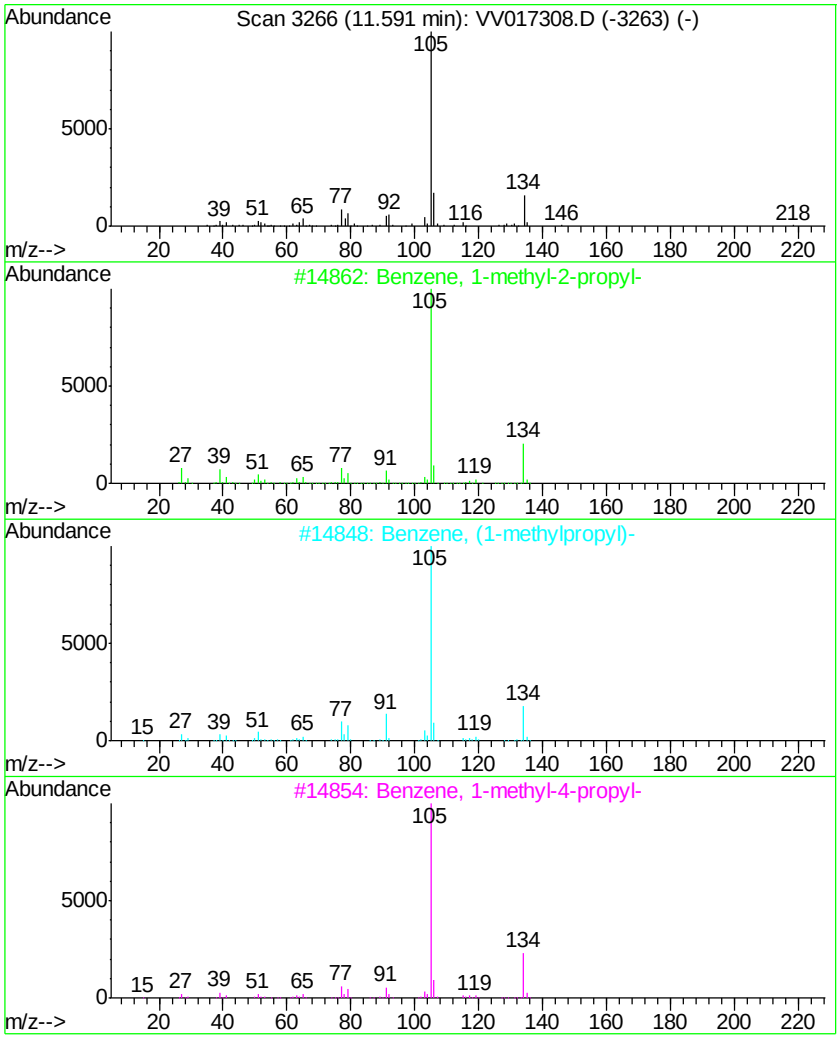

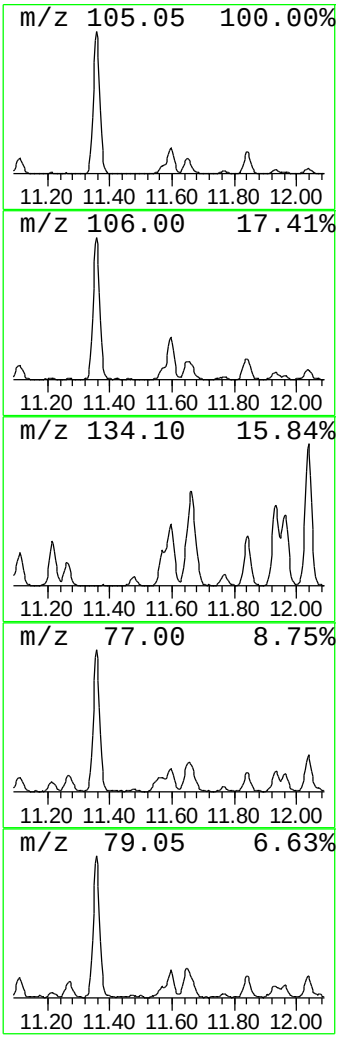

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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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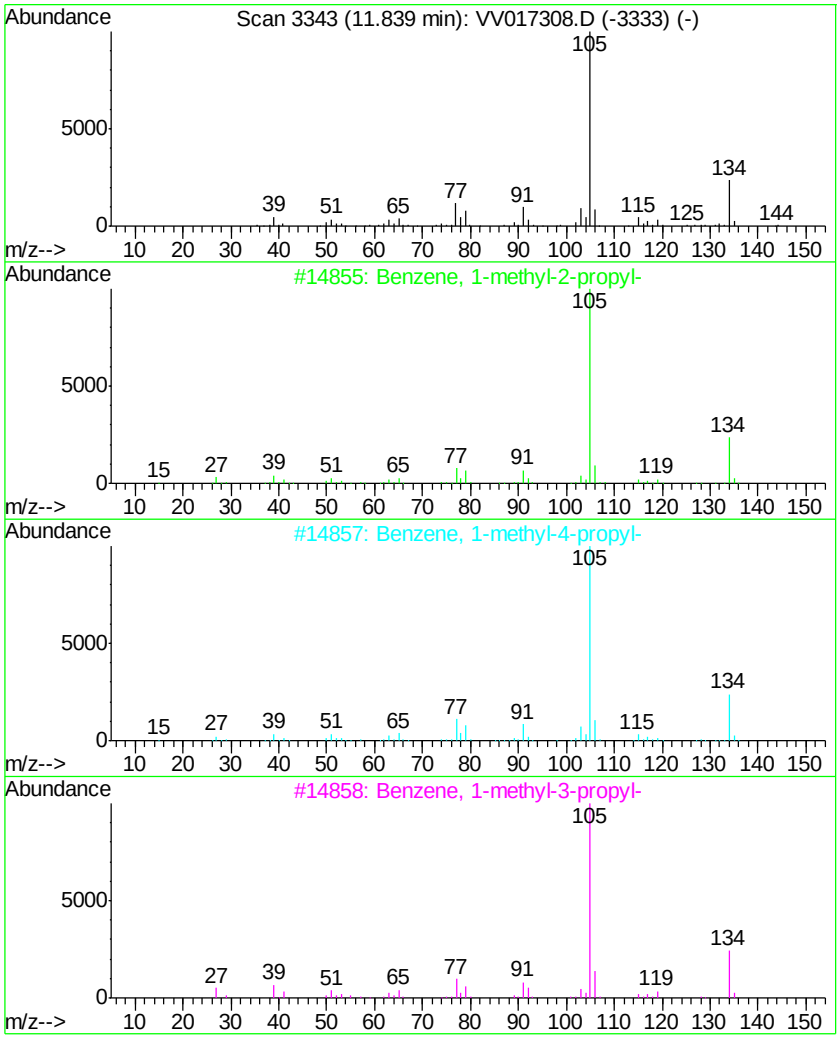
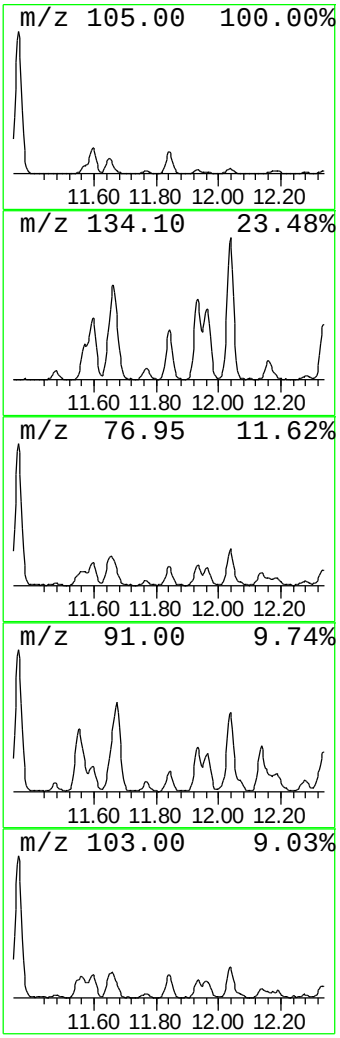
Peak Number 20 Benzene, 1-methyl-4-propyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	1.02 ug/L	131978	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87





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Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

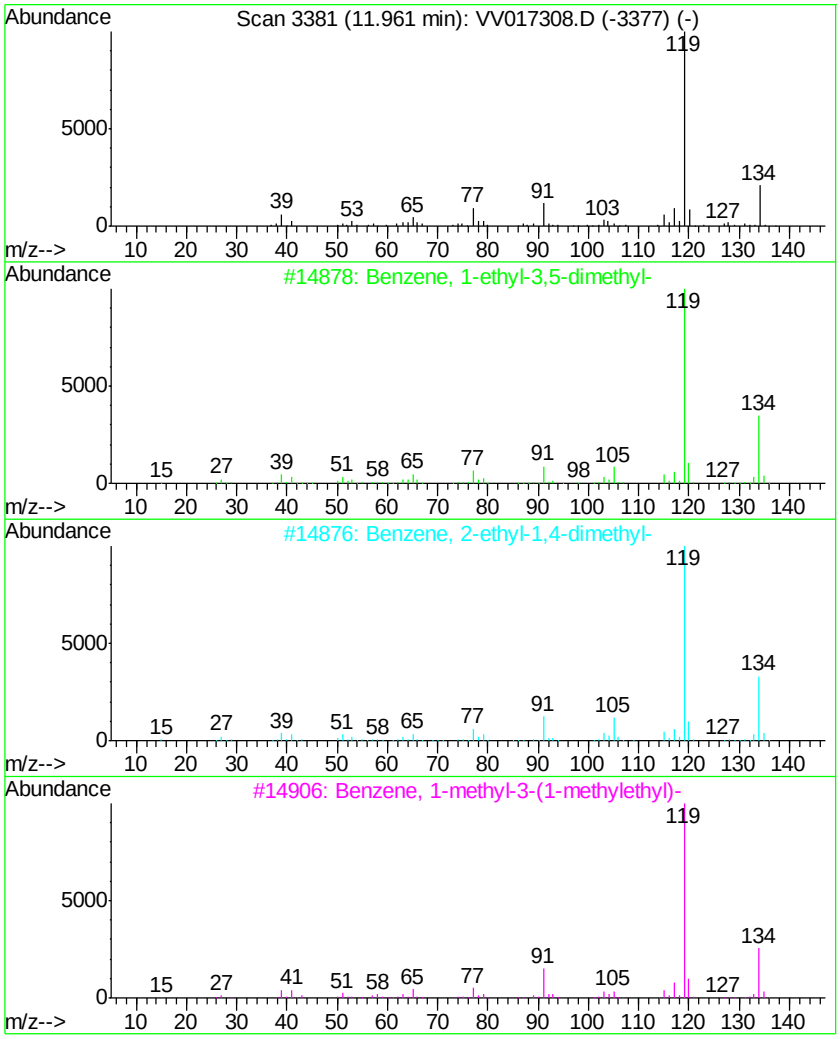
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

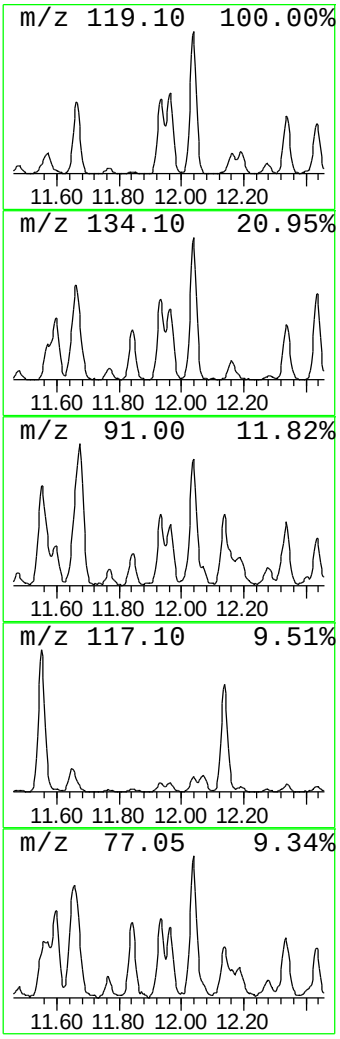
****

Peak Number 22 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	1.22 ug/L	157599	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
4	o-Cymene	134	C10H14	000527-84-4	87
5	p-Cymene	134	C10H14	000099-87-6	87





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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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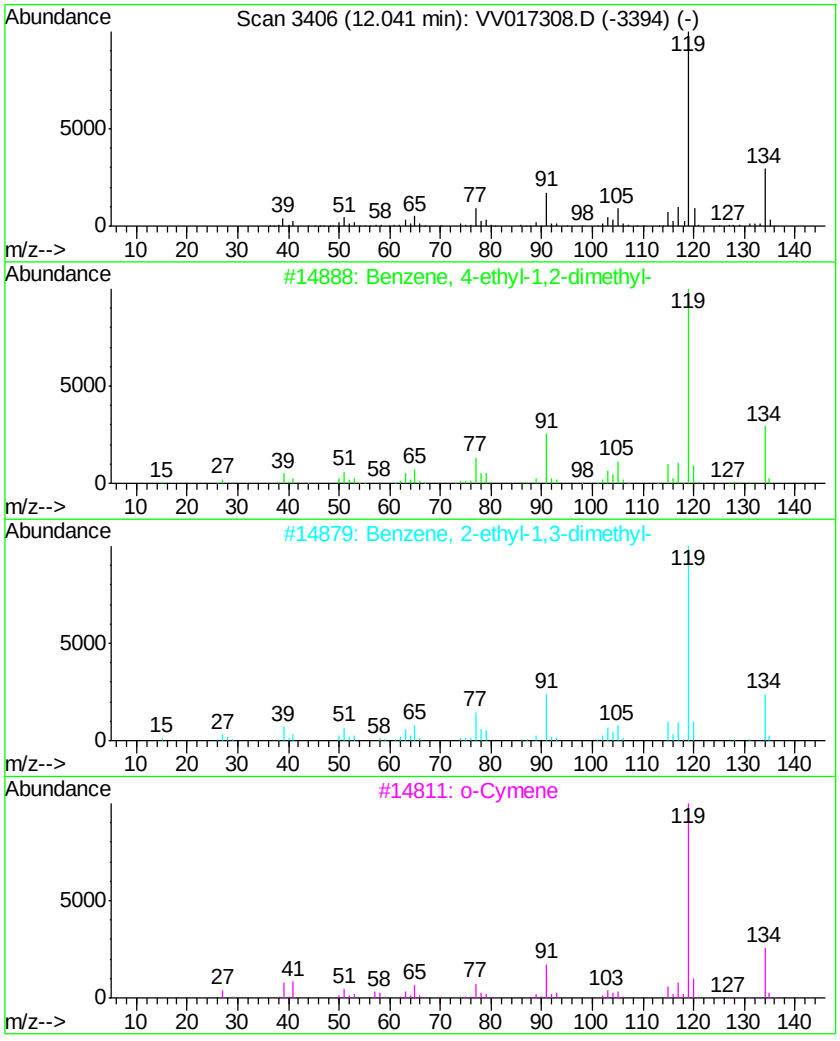
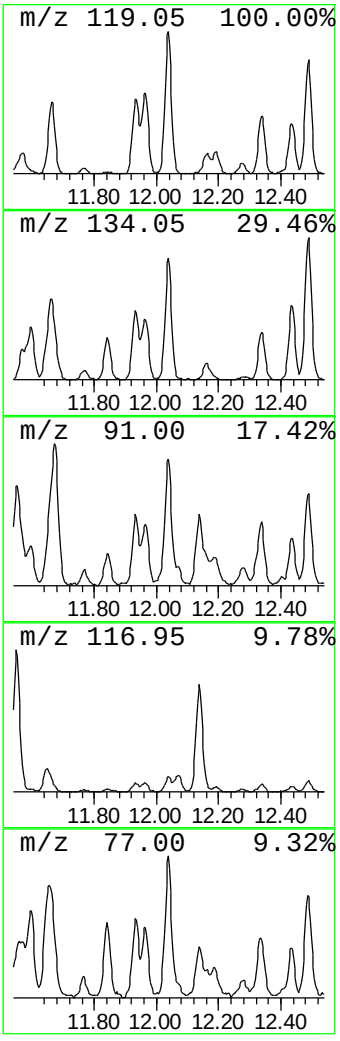
Peak Number 23 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	3.00 ug/L	387533	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	97
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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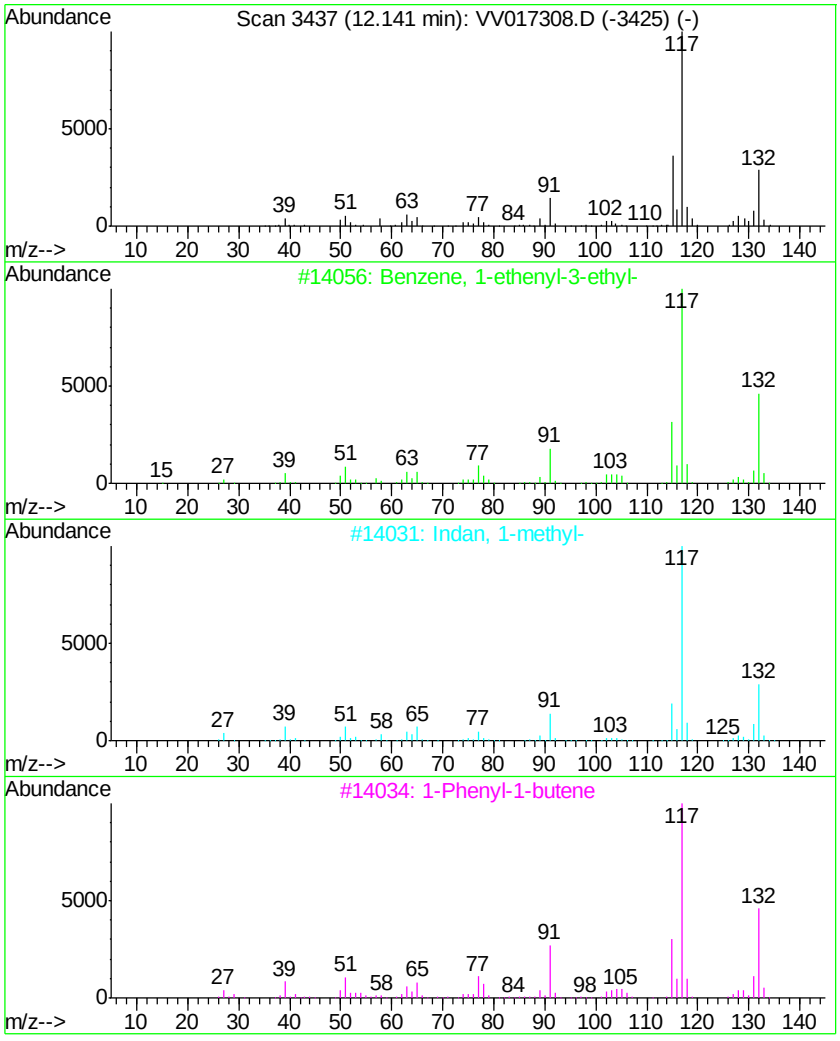
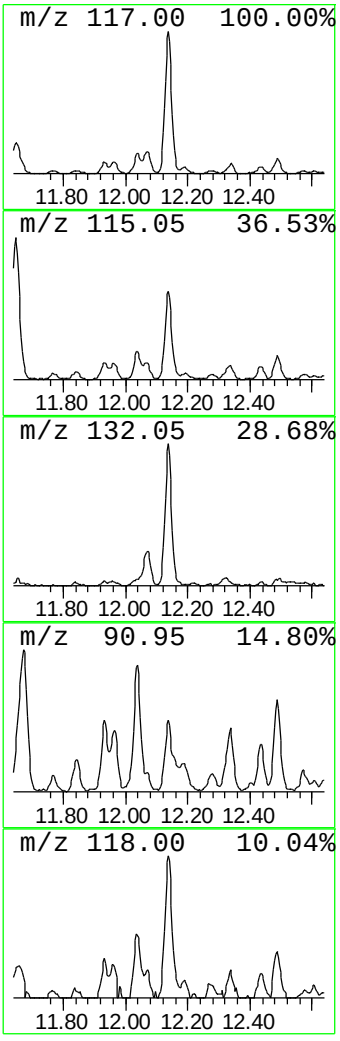
Peak Number 24 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	2.26 ug/L	292755	1,4-Dichlorobenzene-d4	11.27

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	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	86
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86





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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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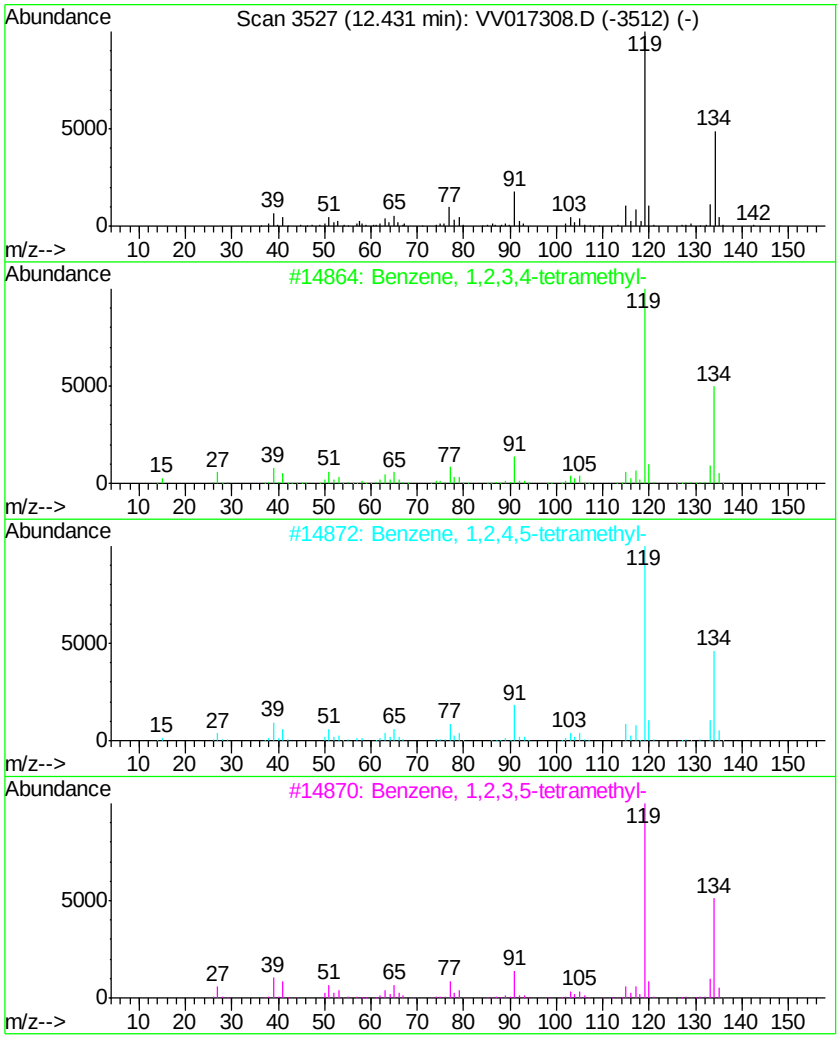
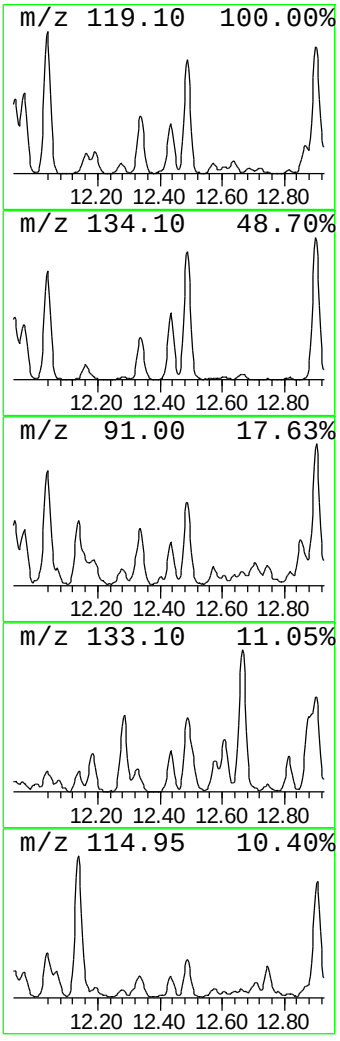
Peak Number 26 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	1.21 ug/L	156000	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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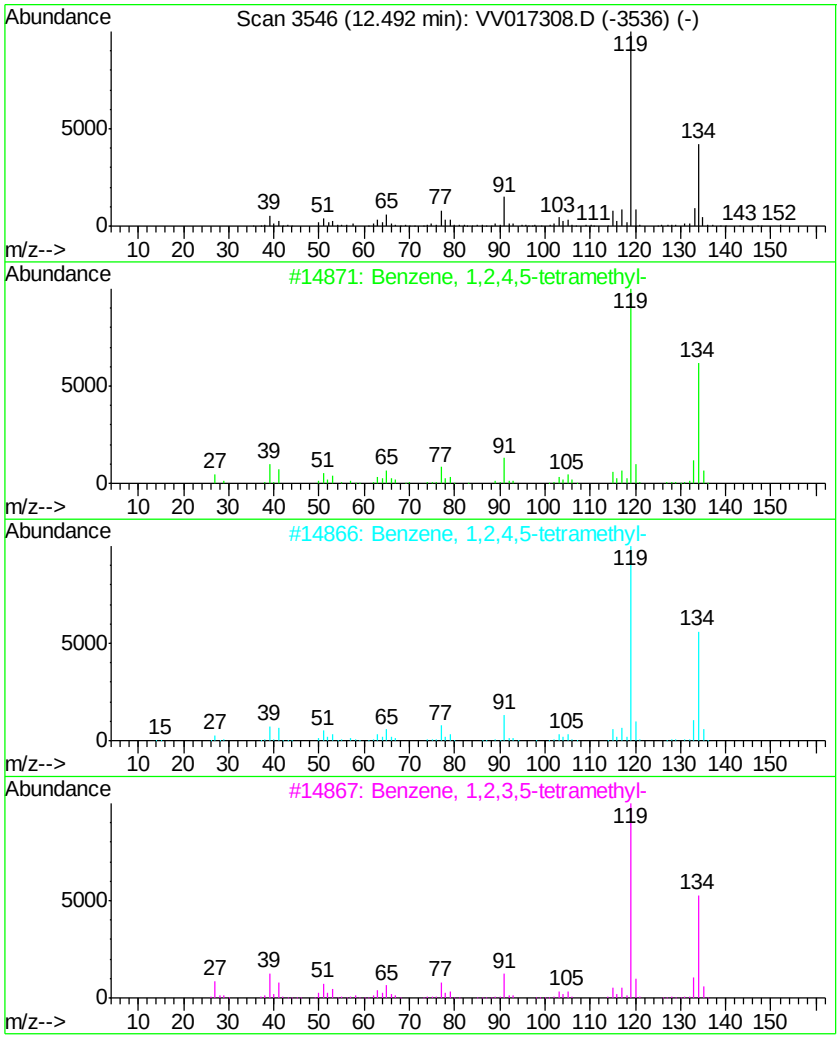
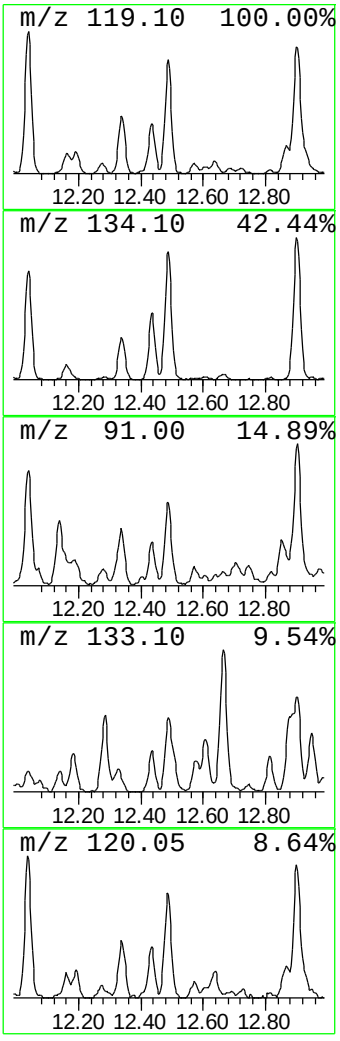
Peak Number 27 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.35 ug/L	303851	1,4-Dichlorobenzene-d4	11.27

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	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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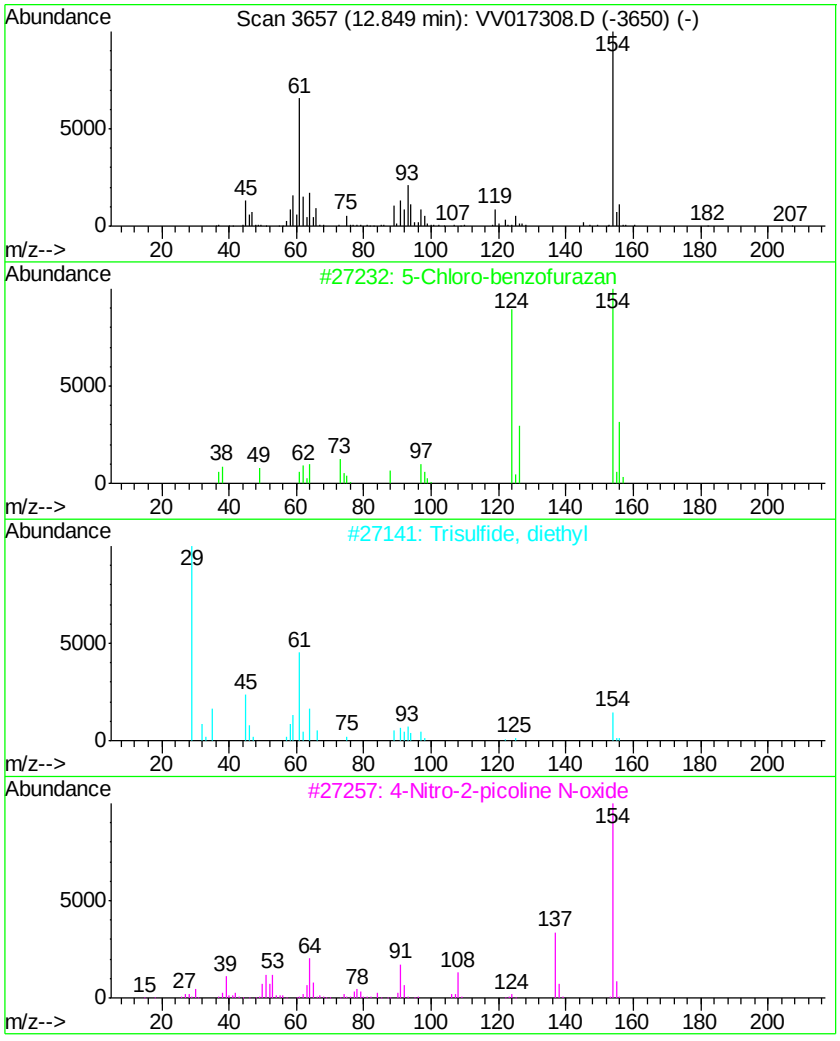
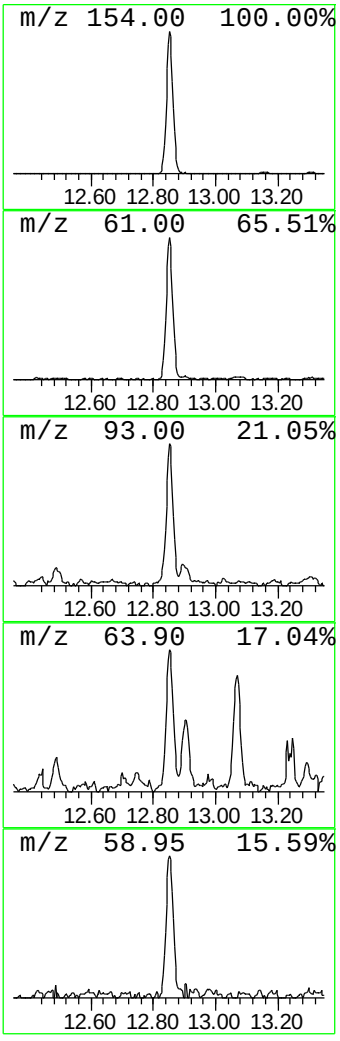
Peak Number 28 unknown-01 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	1.84 ug/L	238512	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Chloro-benzofurazan	154	C6H3ClN2O	019155-86-3	43
2	Trisulfide, diethyl	154	C4H10S3	003600-24-6	27
3	4-Nitro-2-picoline N-oxide	154	C6H6N2O3	005470-66-6	22
4	6-Chloropurine	154	C5H3ClN4	000087-42-3	16
5	6-Chloropurine	154	C5H3ClN4	000087-42-3	16





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Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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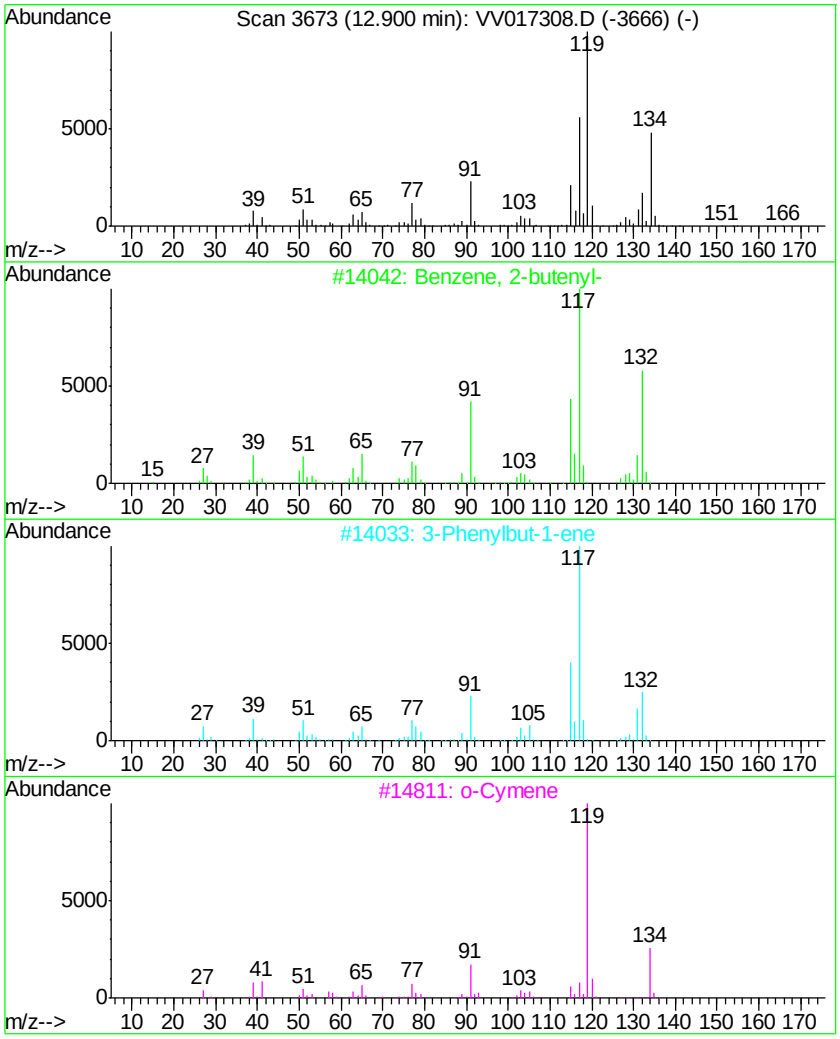
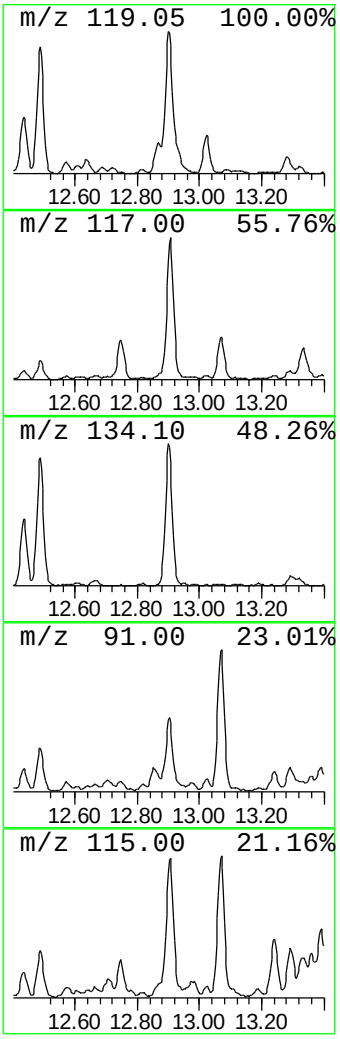
Peak Number 29 Benzene, 2-butenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	3.88 ug/L	502187	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	84
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	80
3	o-Cymene	134	C10H14	000527-84-4	60
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60





Library Search Compound Report

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Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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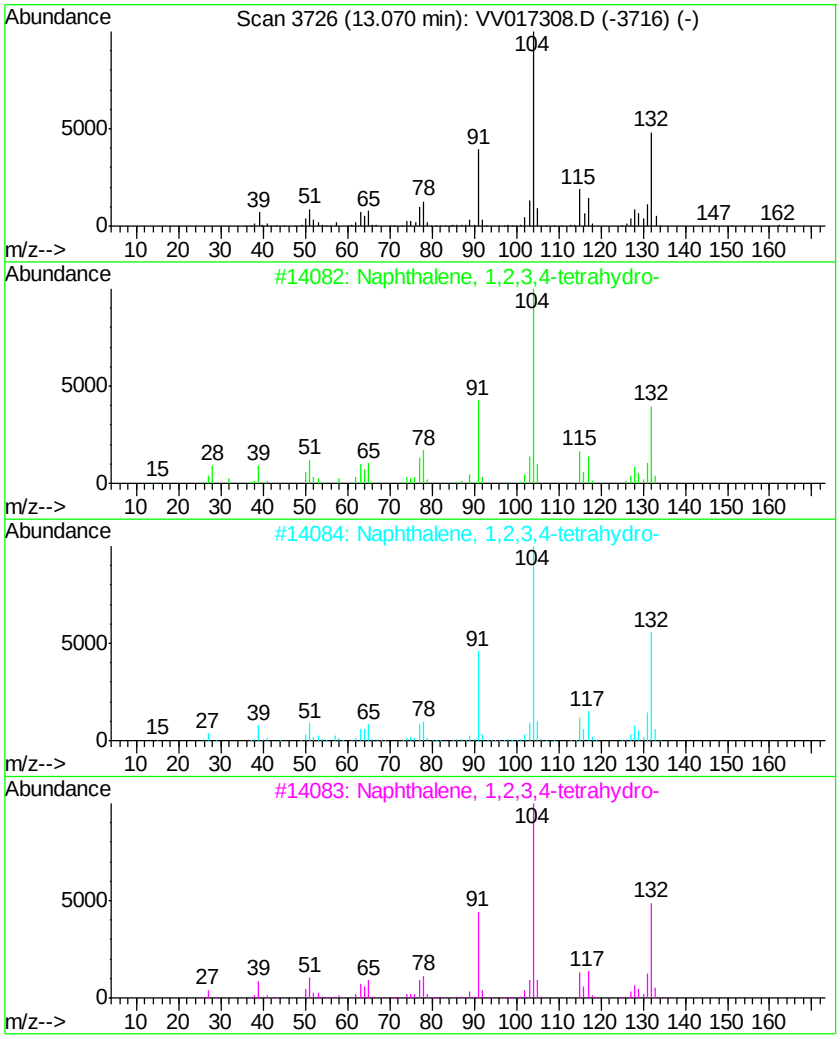
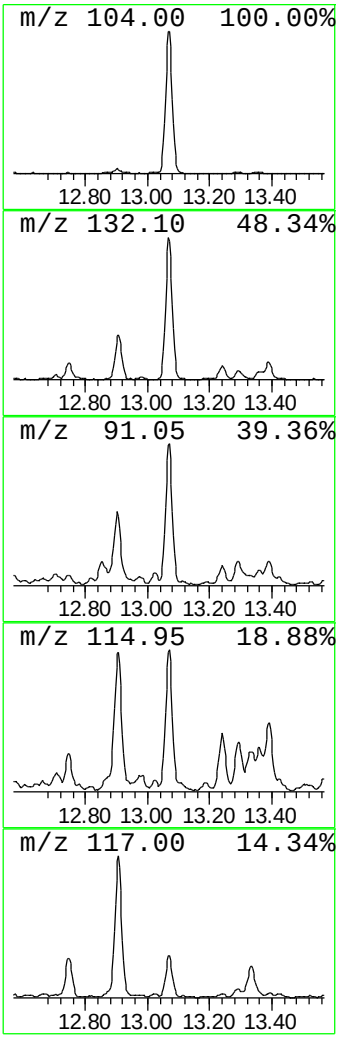
Peak Number 30 2H-Inden-2-one, 1,3-dihydro- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	3.89 ug/L	503809	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	58





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Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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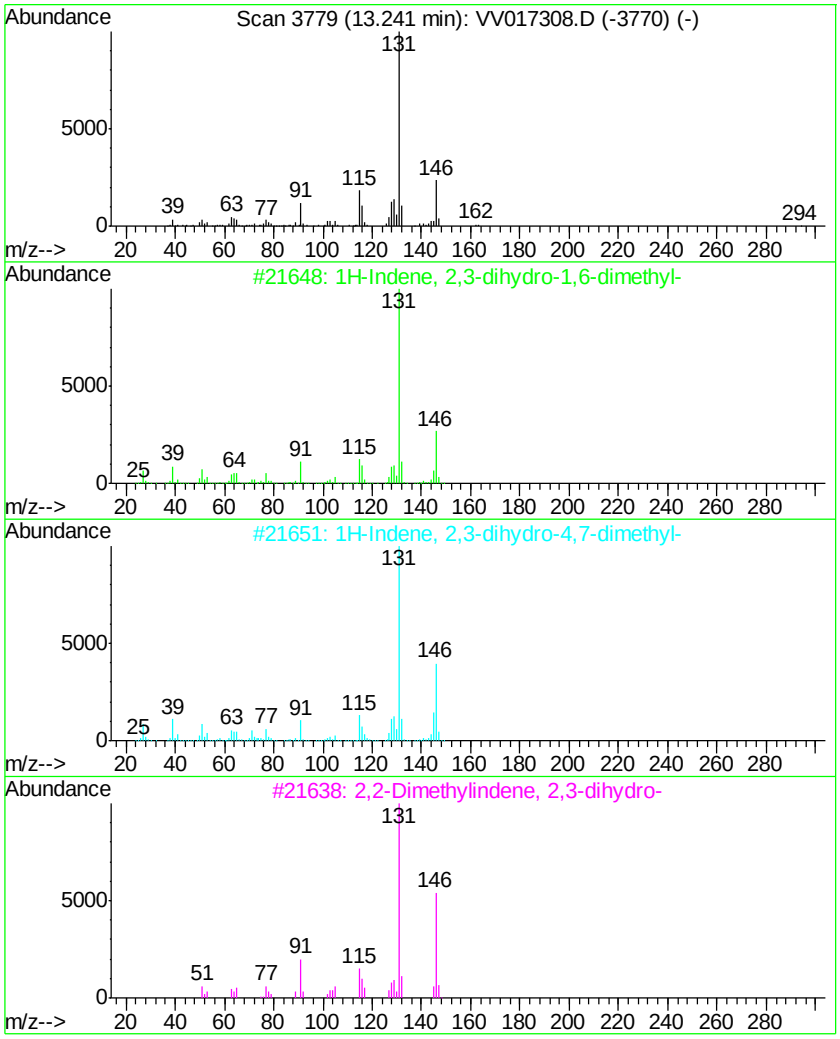
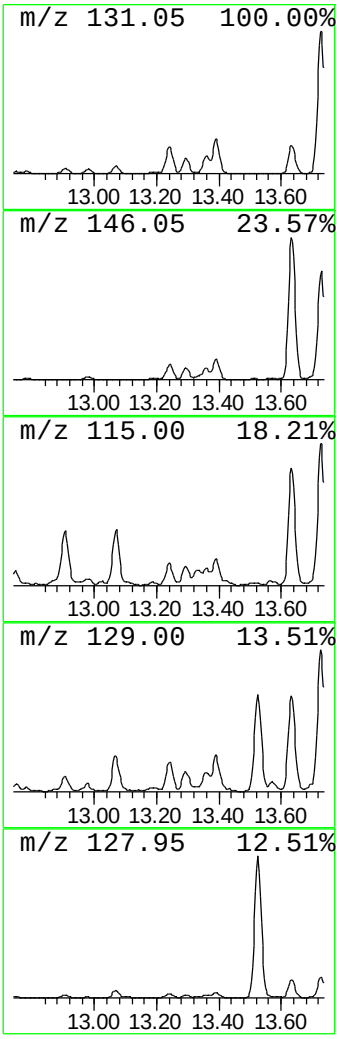
Peak Number 31 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	1.21 ug/L	156113	1,4-Dichlorobenzene-d4	11.27

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-4,7-dimet...	146	C11H14	006682-71-9	94
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	94
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91





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Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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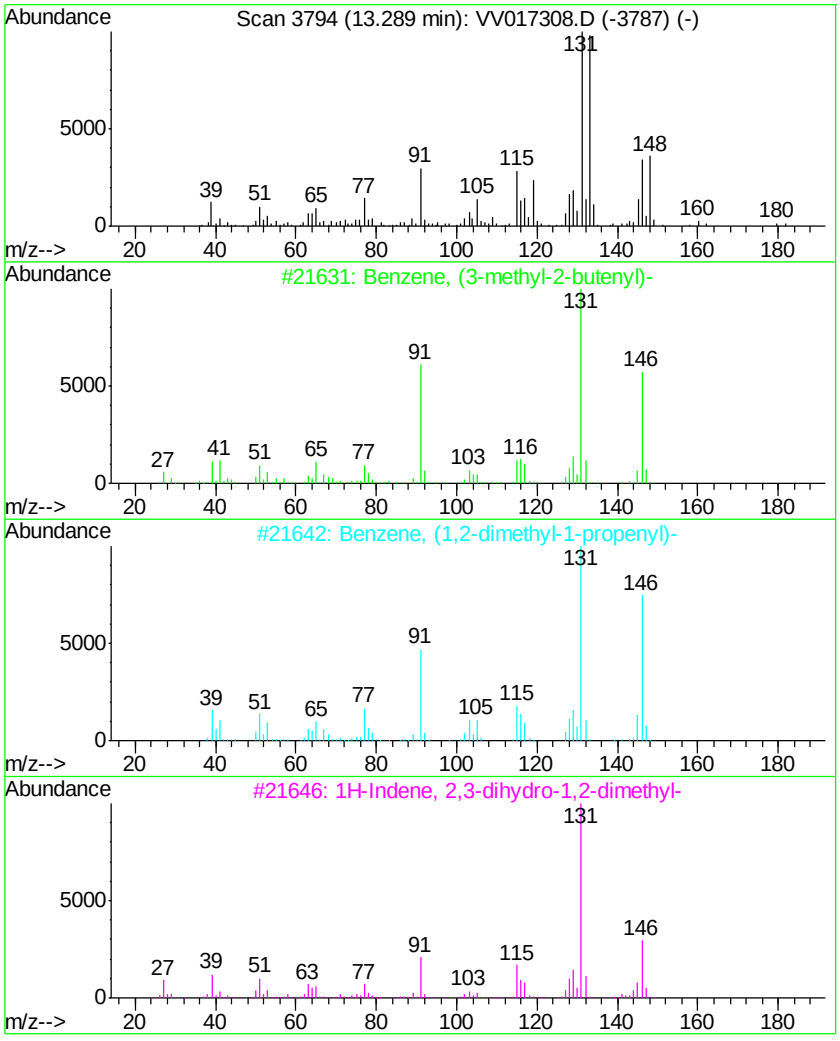
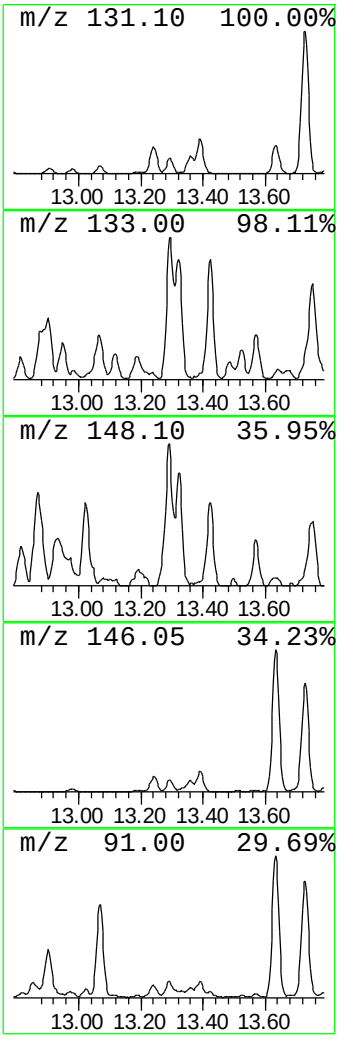
Peak Number 32 Benzene, (3-methyl-2-butenyl)- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	1.54 ug/L	199511	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50





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Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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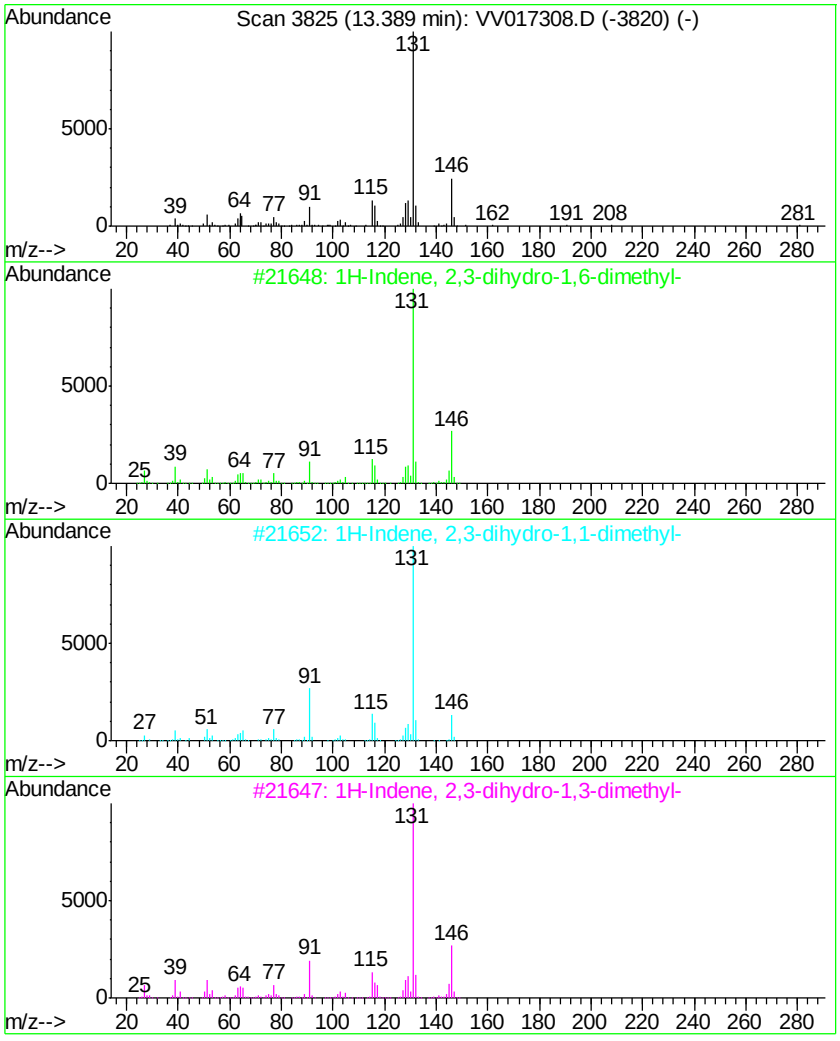
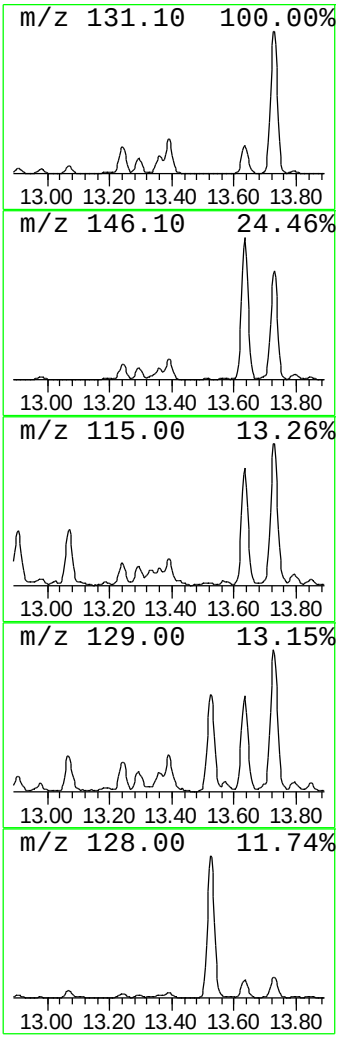
Peak Number 33 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	1.01 ug/L	130025	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	95
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	95
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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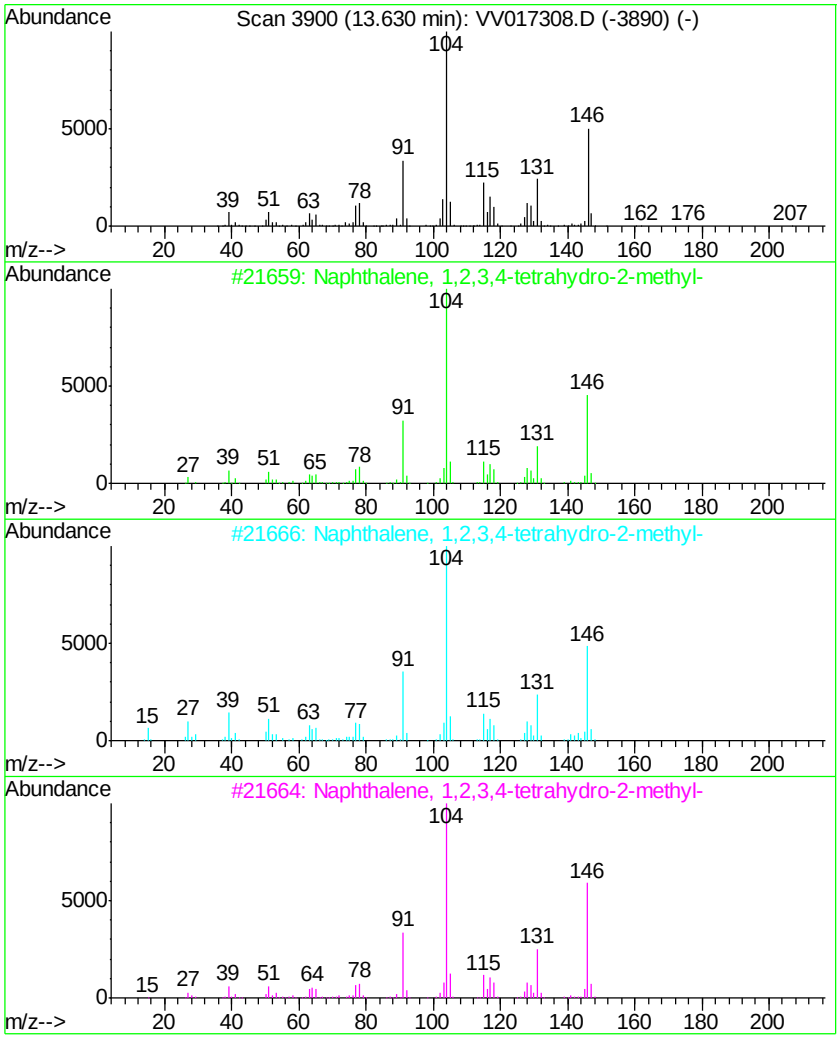
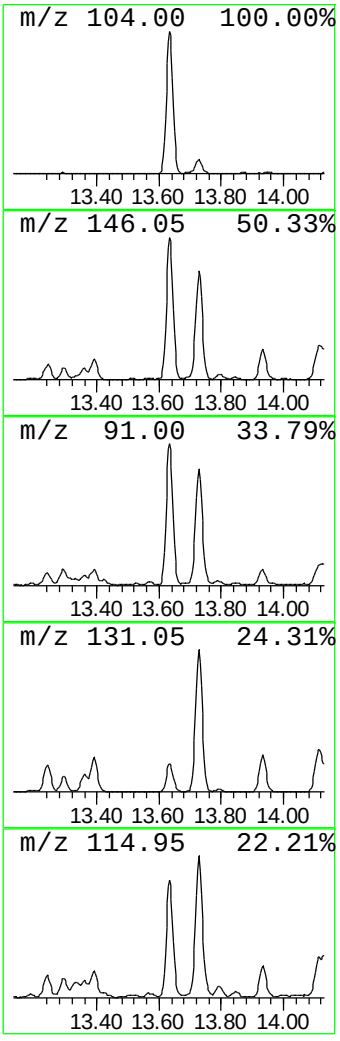
Peak Number 35 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	8.24 ug/L	1065920	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	83
5	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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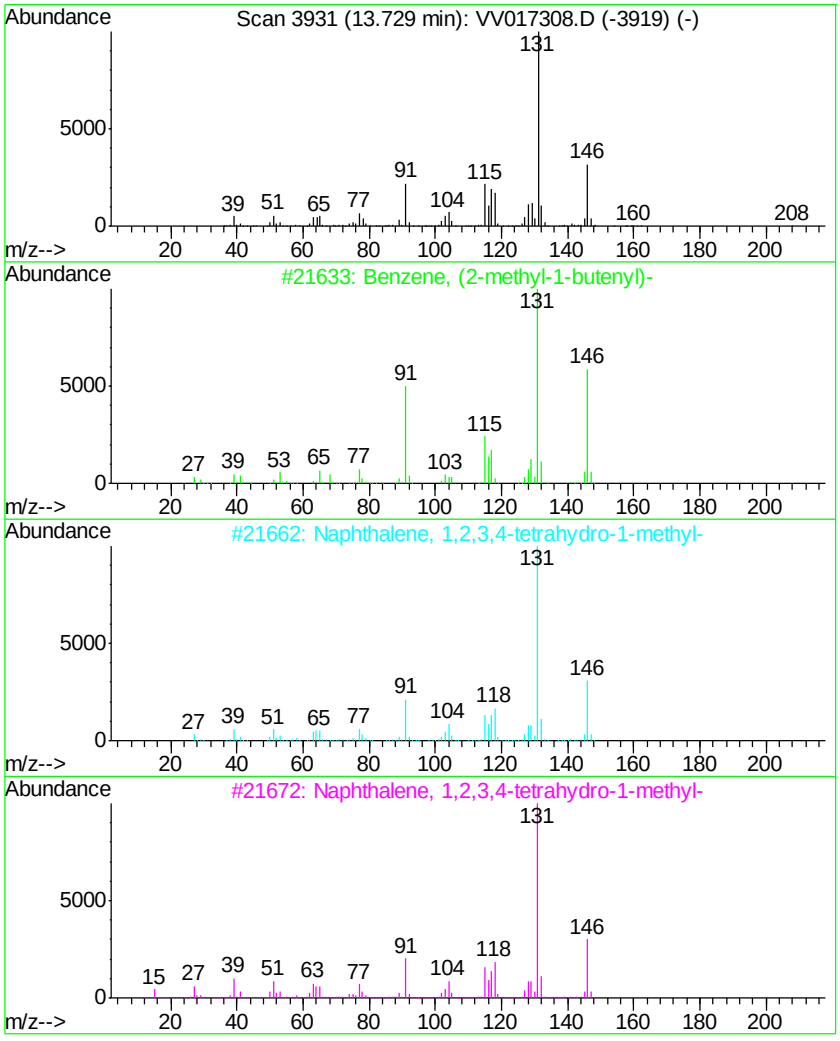
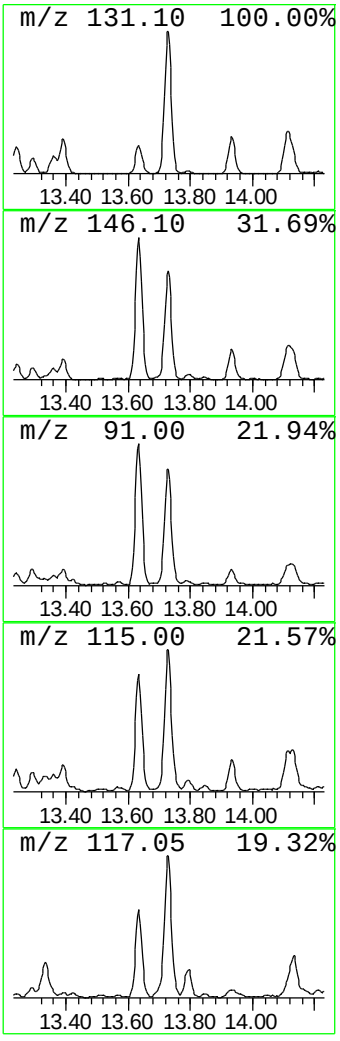
Peak Number 36 Benzene, (2-methyl-1-butenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	8.73 ug/L	1129500	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	94
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	94
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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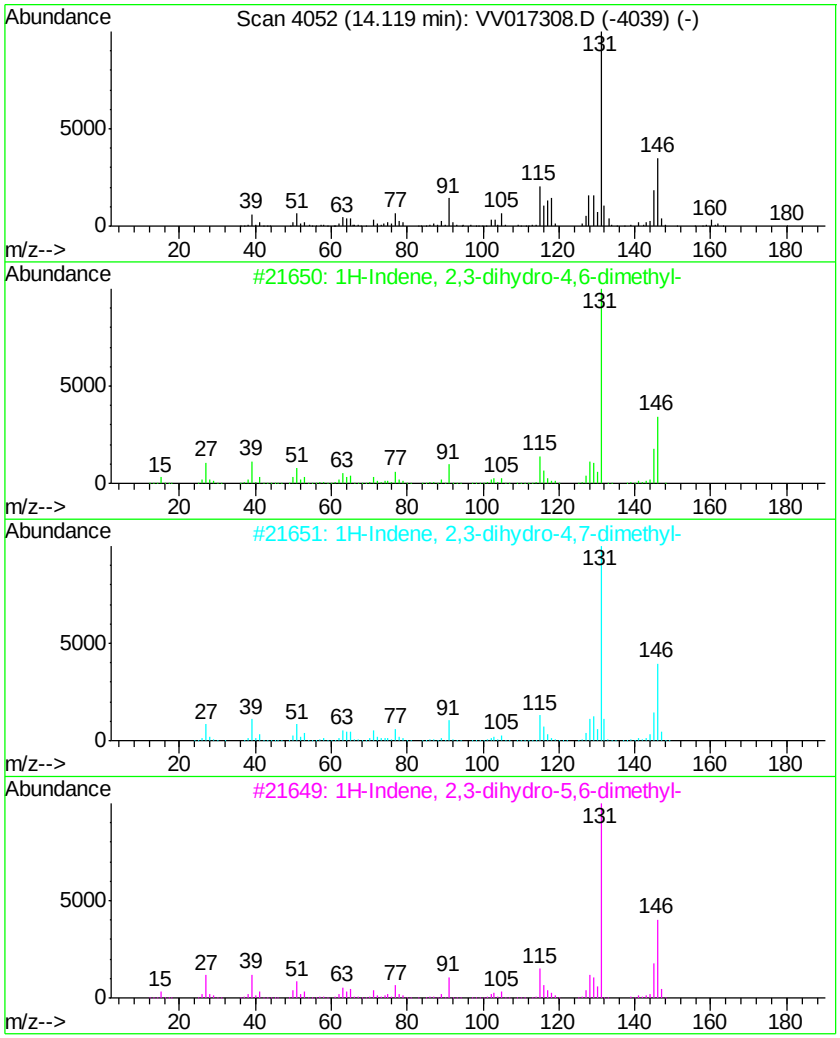
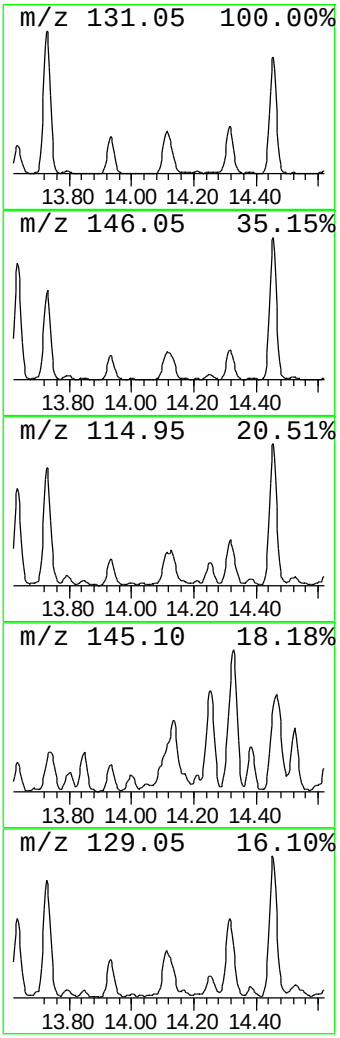
Peak Number 38 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	4.46 ug/L	576612	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	91
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

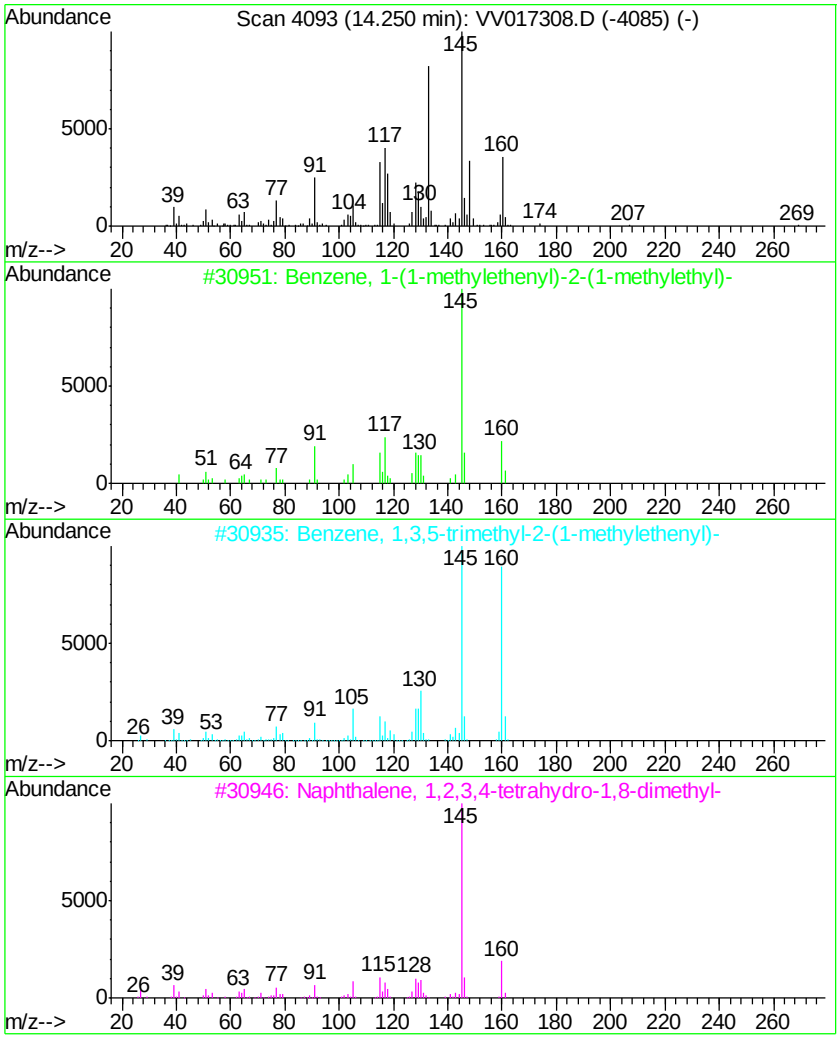
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

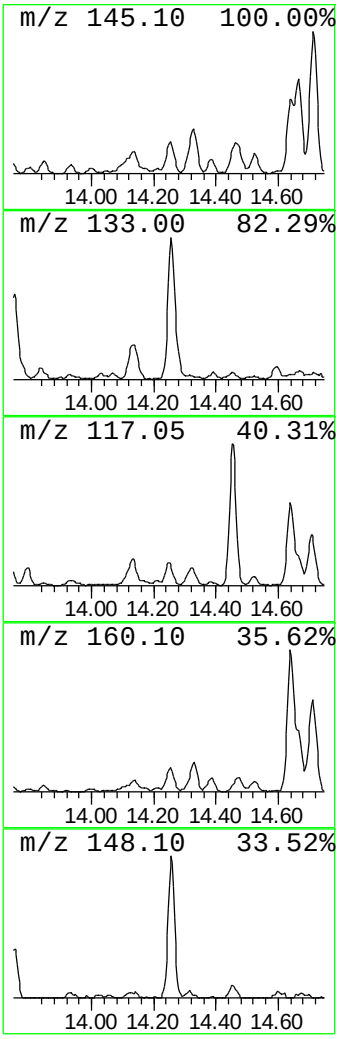
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1-(1-methylethenyl... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	1.83 ug/L	236198	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	64
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	60
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	55
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	55
5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070220\
Data File : VV017308.D
Acq On : 02 Jul 2020 14:11
Operator : SY/MD
Sample : L3154-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.12	13.3	ug/L	1159030	1	5.64	434484	5.0
(DEL) Alkane: Str...	1.43	5.6	ug/L	484217	1	5.64	434484	5.0
Sulfur dioxide	1.51	4.3	ug/L	371373	1	5.64	434484	5.0
(DEL) Alkane: Cyc...	2.00	2.0	ug/L	174598	1	5.64	434484	5.0
Ethanethiol	2.05	67.3	ug/L	5844900	1	5.64	434484	5.0
Dimethyl sulfide	2.22	4.4	ug/L	379504	1	5.64	434484	5.0
Ethane, (methylth...	3.83	8.8	ug/L	767838	1	5.64	434484	5.0
Diethyl disulfide	10.04	4.6	ug/L	551955	2	8.87	605213	5.0
Benzene, propyl-	10.38	2.2	ug/L	279244	3	11.27	646830	5.0
Benzene, 1-ethyl-...	10.47	2.8	ug/L	365163	3	11.27	646830	5.0
Benzene, 1,2,3-tr...	10.56	2.9	ug/L	377279	3	11.27	646830	5.0
4-Heptanone, 2,6-...	10.71	1.2	ug/L	161057	3	11.27	646830	5.0
Benzene, 1-ethyl-...	10.76	3.9	ug/L	507428	3	11.27	646830	5.0
o-Cymene	11.22	0.8	ug/L	108339	3	11.27	646830	5.0
Benzene, 1-ethyl-...	11.36	7.5	ug/L	970632	3	11.27	646830	5.0
Indane	11.55	3.4	ug/L	443202	3	11.27	646830	5.0
Benzene, 1-methyl...	11.59	1.2	ug/L	155821	3	11.27	646830	5.0
Benzene, 1-methyl...	11.84	1.0	ug/L	131978	3	11.27	646830	5.0
Benzene, 1-ethyl-...	11.96	1.2	ug/L	157599	3	11.27	646830	5.0
Benzene, 4-ethyl-...	12.04	3.0	ug/L	387533	3	11.27	646830	5.0
Benzene, 1-etheny...	12.14	2.3	ug/L	292755	3	11.27	646830	5.0
Benzene, 1,2,3,4-...	12.43	1.2	ug/L	156000	3	11.27	646830	5.0
Benzene, 1,2,4,5-...	12.49	2.4	ug/L	303851	3	11.27	646830	5.0
unknown-01	12.85	1.8	ug/L	238512	3	11.27	646830	5.0
Benzene, 2-butenyl-	12.90	3.9	ug/L	502187	3	11.27	646830	5.0
2H-Inden-2-one, 1...	13.07	3.9	ug/L	503809	3	11.27	646830	5.0
1H-Indene, 2,3-di...	13.24	1.2	ug/L	156113	3	11.27	646830	5.0
Benzene, (3-methy...	13.29	1.5	ug/L	199511	3	11.27	646830	5.0
1H-Indene, 2,3-di...	13.39	1.0	ug/L	130025	3	11.27	646830	5.0
Naphthalene, 1,2,...	13.63	8.2	ug/L	1065920	3	11.27	646830	5.0
Benzene, (2-methy...	13.73	8.7	ug/L	1129500	3	11.27	646830	5.0
1H-Indene, 2,3-di...	14.12	4.5	ug/L	576612	3	11.27	646830	5.0
Benzene, 1-(1-met...	14.25	1.8	ug/L	236198	3	11.27	646830	5.0