LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.113	3	7	17	rVB2	132151	116906	0.12%	0.089%
2	1.222	34	41	56	rVB	559631	522628	0.53%	0.398%
3	1.315	61	70	79	rVV	1372843	1349511	1.38%	1.027%
4	1.360	80	84	92	rVB2	41460	41218	0.04%	0.031%
5	1.422	98	103	109	rVB	42029	38434	0.04%	0.029%
6	1.560	137	146	157	rVB	142357	186672	0.19%	0.142%
7	1.631	158	168	183	rVB	1043430	1357047	1.38%	1.033%
8	1.769	205	211	216	rBV	31143	38067	0.04%	0.029%
9	1.807	216	223	238	rVB	239637	314661	0.32%	0.240%
10	1.907	246	254	263	rVB	51409	66322	0.07%	0.050%
11	1.987	273	279	285	rBV	22535	26384	0.03%	0.020%
12	2.032	285	293	307	rVB	108785	157266	0.16%	0.120%
13	2.116	310	319	333	rBV	312020	460823	0.47%	0.351%
14	2.454	413	424	426	rBV7	12475	21034	0.02%	0.016%
15	2.492	427	436	446	rBV3	61733	133446	0.14%	0.102%
16	2.589	456	466	484	rVB	677771	1219952	1.24%	0.929%
17	2.775	508	524	541	rBV	73935	153703	0.16%	0.117%
18	2.958	574	581	583	rBV7	3596	4356	0.00%	0.003%
19	3.055	600	611	612	rBV9	7271	9283	0.01%	0.007%
20	3.180	638	650	654	rBV9	3980	6454	0.01%	0.005%
21	3.238	659	668	670	rBV5	5704	6173	0.01%	0.005%
22	3.293	679	685	698	rVB2	13736	27662	0.03%	0.021%
23	3.383	702	713	714	rBV7	8114	10051	0.01%	0.008%
24	3.450	725	734	749	rBV2	16569	37188	0.04%	0.028%
25	3.598	775	780	789	rVB10	5282	8459	0.01%	0.006%
26	3.785	820	838	856	rBV2	252387	642005	0.65%	0.489%
27	3.894	862	872	901	rVB	121206	298451	0.30%	0.227%
28	4.103	932	937	939	rBV4	3436	3193	0.00%	0.002%
29	4.257	981	985	991	rVV9	2464	3014	0.00%	0.002%
30	4.373	1003	1021	1042	rVV	248501	610726	0.62%	0.465%
31	4.483	1049	1055	1066	rVB4	9137	18138	0.02%	0.014%
32	4.701	1105	1123	1143	rBV	325575	822839	0.84%	0.626%
33	4.971	1192	1207	1221	rBV4	14424	36246	0.04%	0.028%
34	5.138	1221	1259	1280	rBV2	38476437	98068450	100.00%	74.645%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Title : VOC Analysis

35	5.386	1326	1336	1354	rVB	270466	553194	0.56%	0.421%
36	5.640	1402	1415	1440	rBV	449293	898709	0.92%	0.684%
37	5.933	1495	1506	1508	rBV10	6642	9666	0.01%	0.007%
38	5.968	1510	1517	1529	rVB4	15250	29504	0.03%	0.022%
39	6.093	1540	1556	1569	rBV	347485	702500	0.72%	0.535%
40	6.383	1636	1646	1661	rVB	6746	17593	0.02%	0.013%
41	6.576	1693	1706	1707	rBV2	17322	27567	0.03%	0.021%
42	6.826	1772	1784	1795	rBV2	29883	56635	0.06%	0.043%
43	7.007	1829	1840	1857	rBV	210665	375973	0.38%	0.286%
44	7.090	1861	1866	1876	rVB7	7326	13167	0.01%	0.010%
45	7.190	1881	1897	1905	rBV8	21364	52709	0.05%	0.040%
46	7.244	1905	1914	1927	rVV3	44089	80407	0.08%	0.061%
47	7.338	1931	1943	1955	rBV	739951	1251165	1.28%	0.952%
48	7.408	1955	1965	1981	rVB	746942	1274466	1.30%	0.970%
49	7.543	2001	2007	2021	rVB	59574	101709	0.10%	0.077%
50	7.640	2028	2037	2052	rVB	138741	225689	0.23%	0.172%
51	7.720	2053	2062	2070	rBV	46817	78407	0.08%	0.060%
52	7.865	2099	2107	2124	rVB3	18210	39486	0.04%	0.030%
53	8.106	2171	2182	2199	rBV	461845	780114	0.80%	0.594%
54	8.238	2214	2223	2237	rBV	71176	122722	0.13%	0.093%
55	8.531	2307	2314	2321	rBV8	6608	9206	0.01%	0.007%
56	8.765	2375	2387	2402	rBV4	57105	128859	0.13%	0.098%
57	8.875	2411	2421	2428	rBV	671131	1053553	1.07%	0.802%
58	8.916	2429	2434	2452	rVB	333368	536235	0.55%	0.408%
59	9.032	2459	2470	2485	rBV	3832923	5941081	6.06%	4.522%
60	9.129	2492	2500	2503	rBV	109014	155365	0.16%	0.118%
61	9.161	2503	2510	2529	rVB	532789	914483	0.93%	0.696%
62	9.283	2536	2548	2555	rBV	133191	226973	0.23%	0.173%
63	9.328	2556	2562	2577	rVB4	156605	279083	0.28%	0.212%
64	9.405	2577	2586	2597	rBV	159887	252171	0.26%	0.192%
65	9.473	2597	2607	2616	rBV2	155917	279406	0.28%	0.213%
66	9.566	2628	2636	2650	rVB	295028	463910	0.47%	0.353%
67	9.740	2681	2690	2701	rVB4	77973	134210	0.14%	0.102%
68	9.884	2727	2735	2746	rVB2	103421	164840	0.17%	0.125%
69	9.955	2748	2757	2766	rBV	88815	137721	0.14%	0.105%
70	10.106	2795	2804	2821	rVB	75065	134152	0.14%	0.102%
71	10.193	2823	2831	2833	rBV6	17121	24469	0.02%	0.019%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Title : VOC Analysis

72	10.238	2835	2845	2857	rVB	530250	861930	0.88%	0.656%
73	10.431	2898	2905	2912	rVB	119491	162926	0.17%	0.124%
74	10.624	2960	2965	2970	rBV3	9213	10643	0.01%	0.008%
75	10.759	3000	3007	3013	rBV	114817	180993	0.18%	0.138%
76	10.862	3033	3039	3052	rVB5	105626	185060	0.19%	0.141%
77	10.936	3054	3062	3071	rBV	124187	180716	0.18%	0.138%
78	11.116	3110	3118	3134	rBV10	54477	131631	0.13%	0.100%
79	11.270	3156	3166	3184	rVB	772398	1222770	1.25%	0.931%
80	11.357	3185	3193	3203	rBV	228234	333220	0.34%	0.254%
81	11.550	3244	3253	3266	rBV	380225	622258	0.63%	0.474%
82	11.646	3274	3283	3294	rVB	791362	1208153	1.23%	0.920%
83	11.772	3313	3322	3333	rBV4	117046	187575	0.19%	0.143%
84	12.038	3400	3405	3410	rBV3	28384	35902	0.04%	0.027%
85	12.138	3429	3436	3456	rVB	157317	277747	0.28%	0.211%
86	12.907	3664	3675	3687	rBV3	204510	330269	0.34%	0.251%
87	12.971	3688	3695	3712	rVB2	77469	138101	0.14%	0.105%
88	13.074	3718	3727	3742	rBV3	86406	148905	0.15%	0.113%
89	13.244	3774	3780	3787	rVB3	26055	37105	0.04%	0.028%
90	13.527	3858	3868	3879	rBV	136681	211043	0.22%	0.161%
91	13.646	3896	3905	3926	rVB	150735	237742	0.24%	0.181%
92	13.797	3945	3952	3960	rVB8	10325	17327	0.02%	0.013%
93	13.874	3966	3976	3983	rBV8	9790	16707	0.02%	0.013%
94	14.173	4061	4069	4075	rBV9	8002	14460	0.01%	0.011%
95	14.315	4107	4113	4123	rVB2	22869	35015	0.04%	0.027%
96	14.460	4149	4158	4171	rBV10	15973	28665	0.03%	0.022%
97	14.604	4195	4203	4212	rVB2	23566	38262	0.04%	0.029%
98	14.845	4265	4278	4296	rBV2	93235	173753	0.18%	0.132%
99	15.836	4580	4586	4593	rBV9	3003	3854	0.00%	0.003%
100	16.151	4679	4684	4690	rBV7	2747	3389	0.00%	0.003%

Sum of corrected areas: 131379982

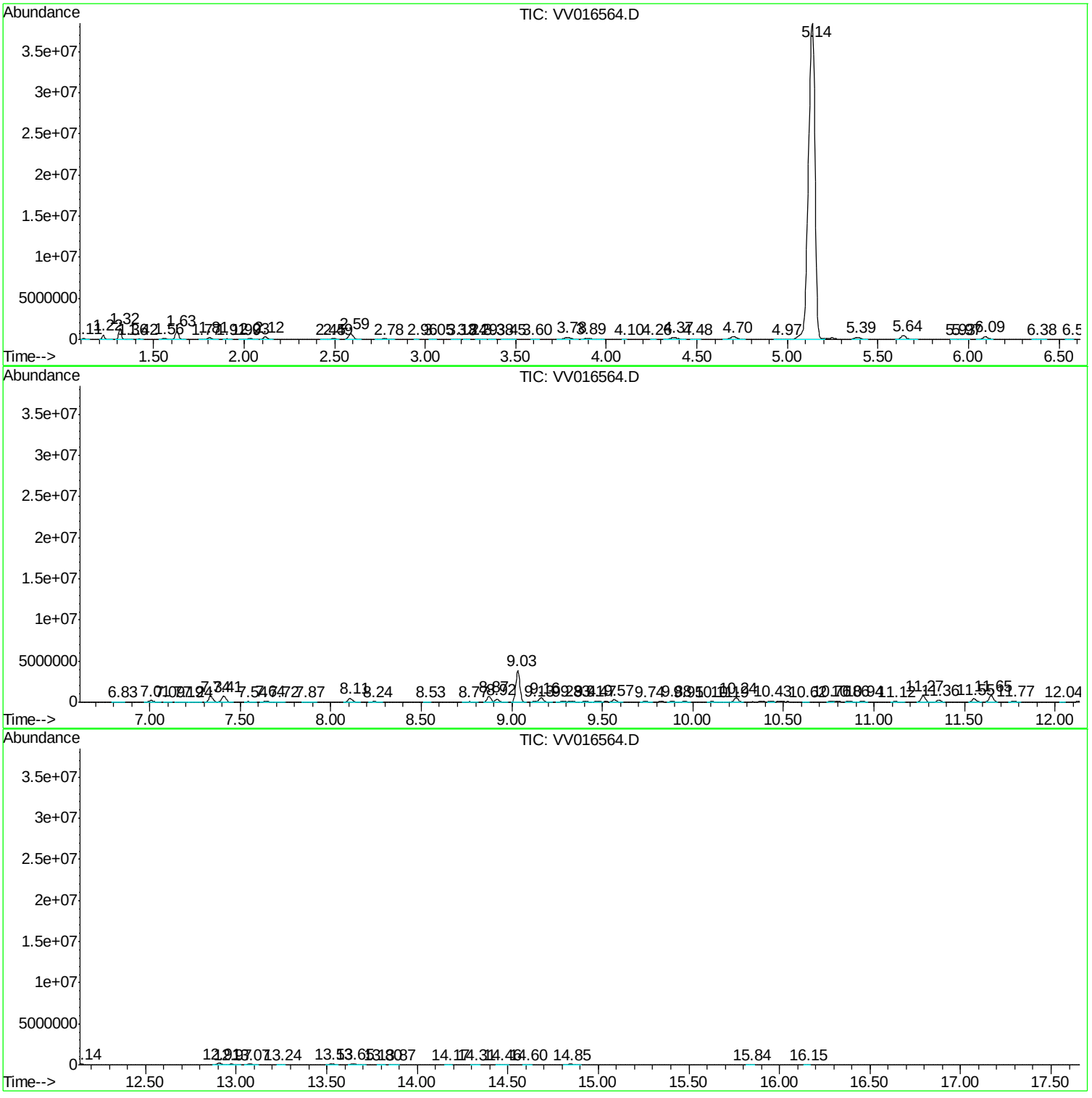
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

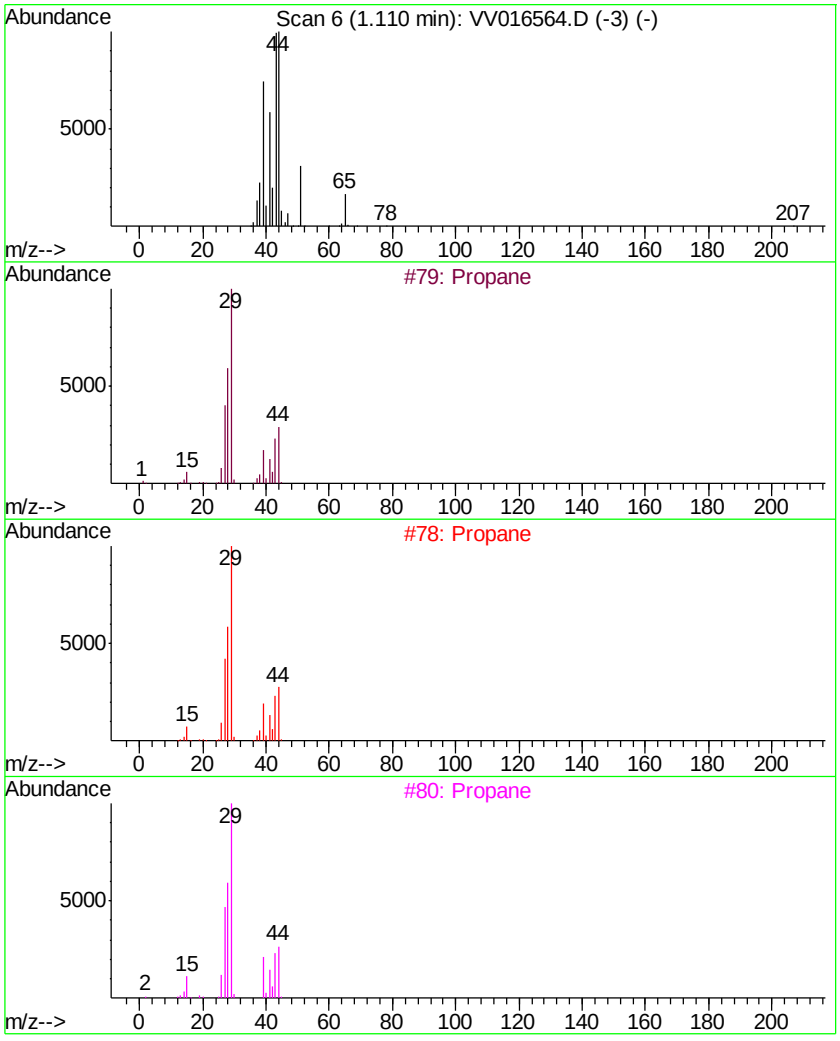
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

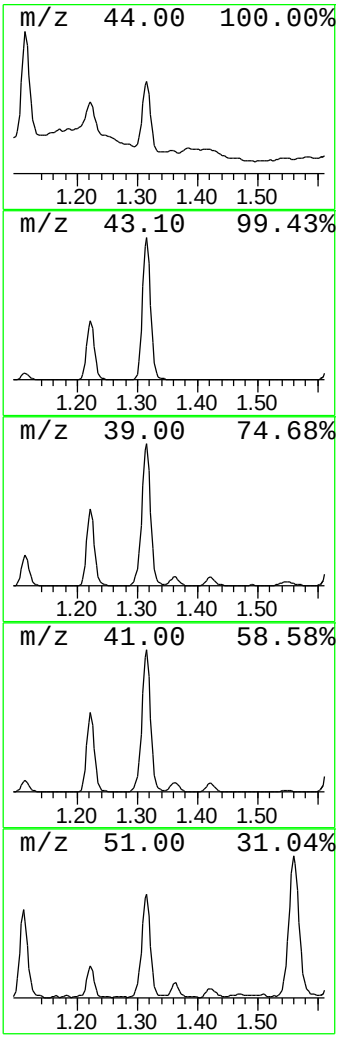
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.11	6.50 ug/L	116906	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	78
2	Propane	44	C3H8	000074-98-6	78
3	Propane	44	C3H8	000074-98-6	9
4	Propene	42	C3H6	000115-07-1	9
5	Topotecan	421	C23H23N3O5	1000131-70-7	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

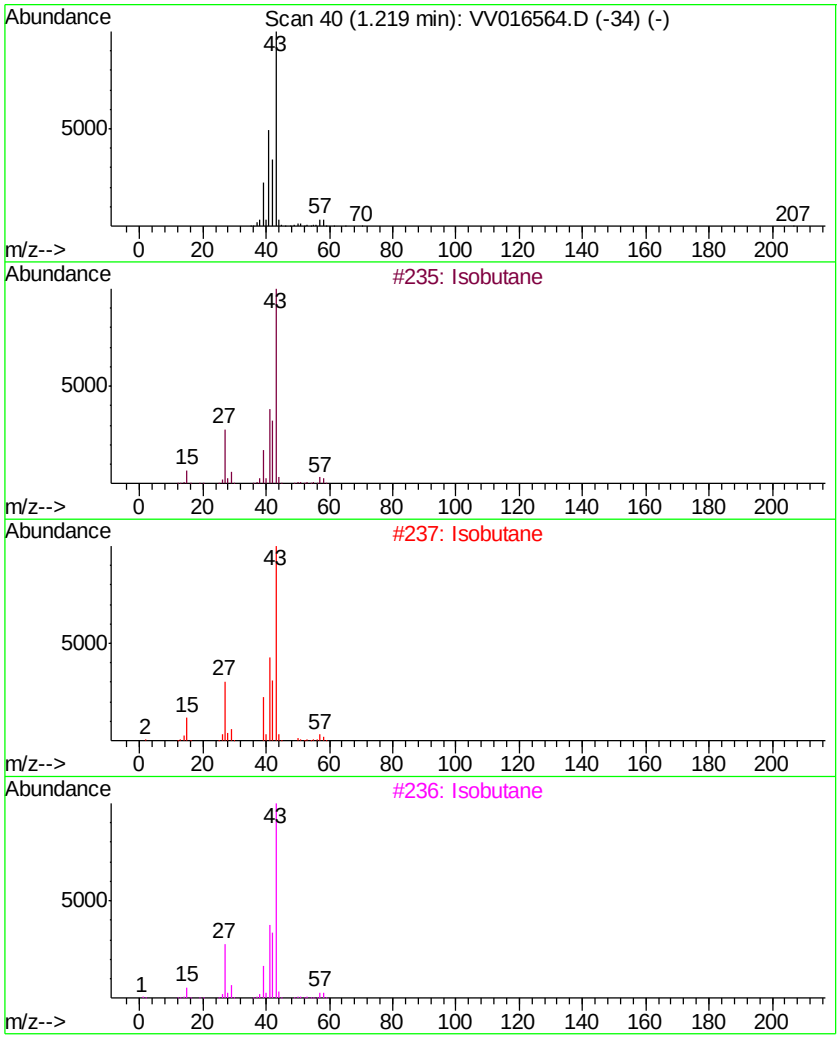
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

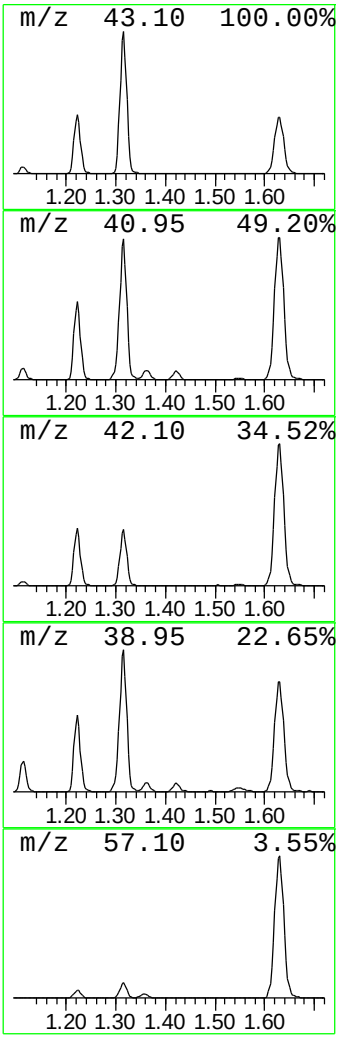
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	29.08 ug/L	522628	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	53
5	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

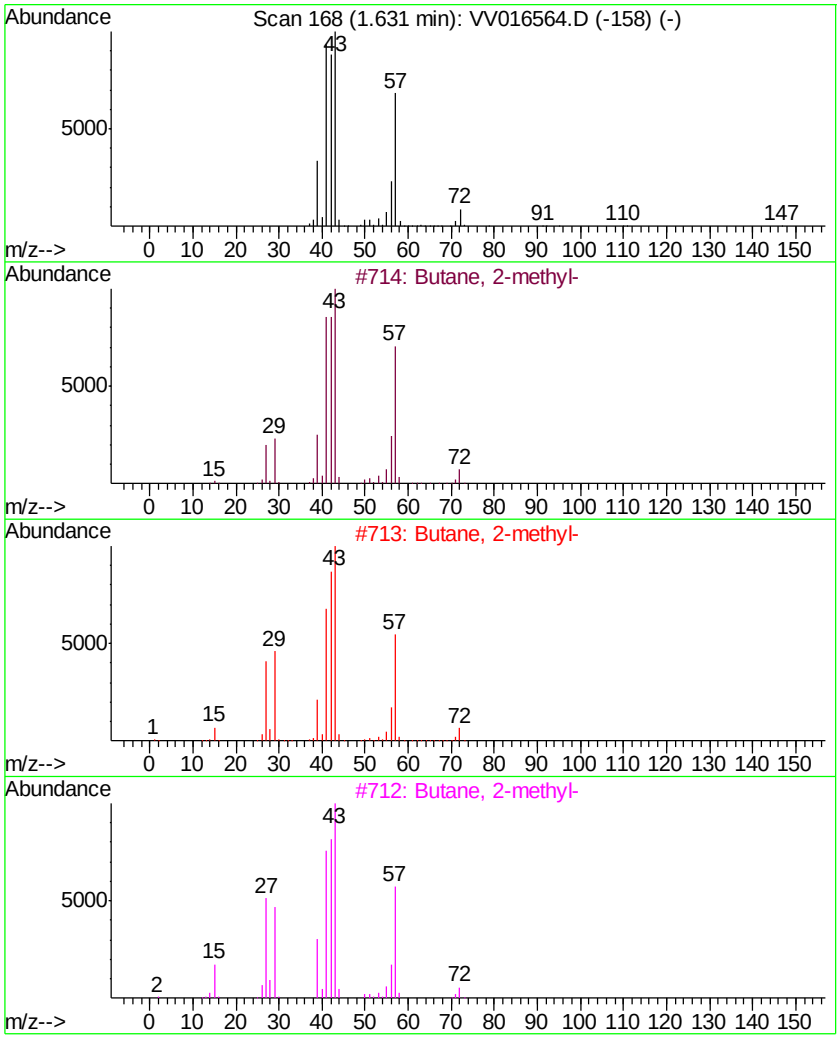
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

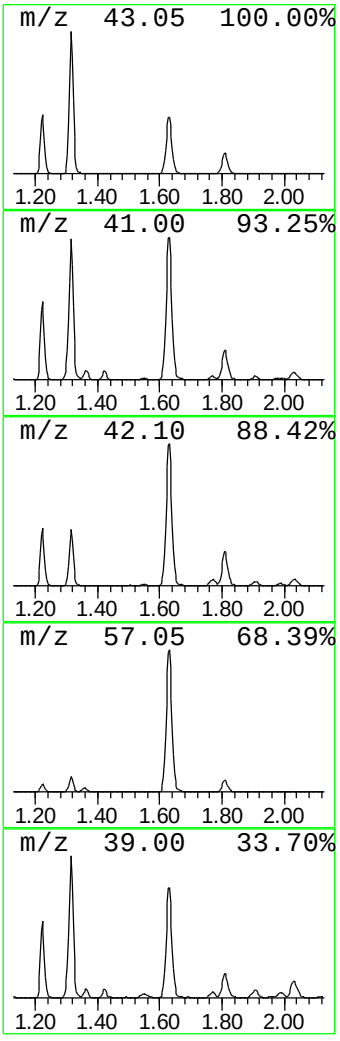
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.63	75.50 ug/L	1357050	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

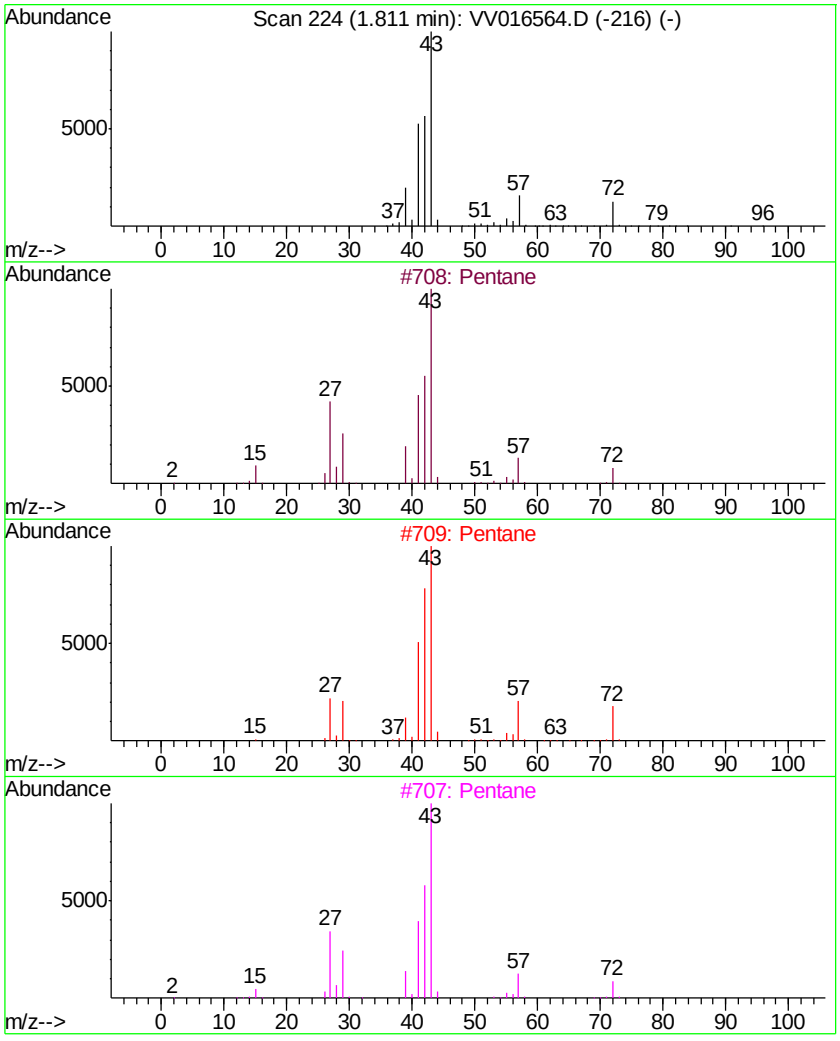
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

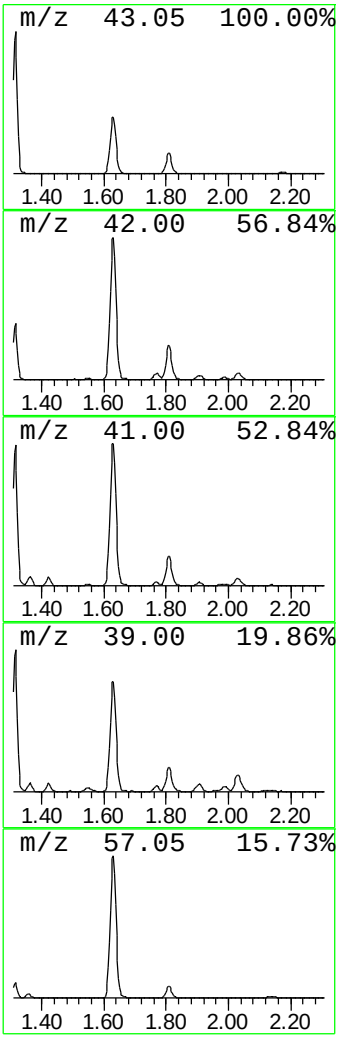
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.81	17.51 ug/L	314661	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	80
4	Butane, 2-methyl-	72	C5H12	000078-78-4	53
5	Pentane	72	C5H12	000109-66-0	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

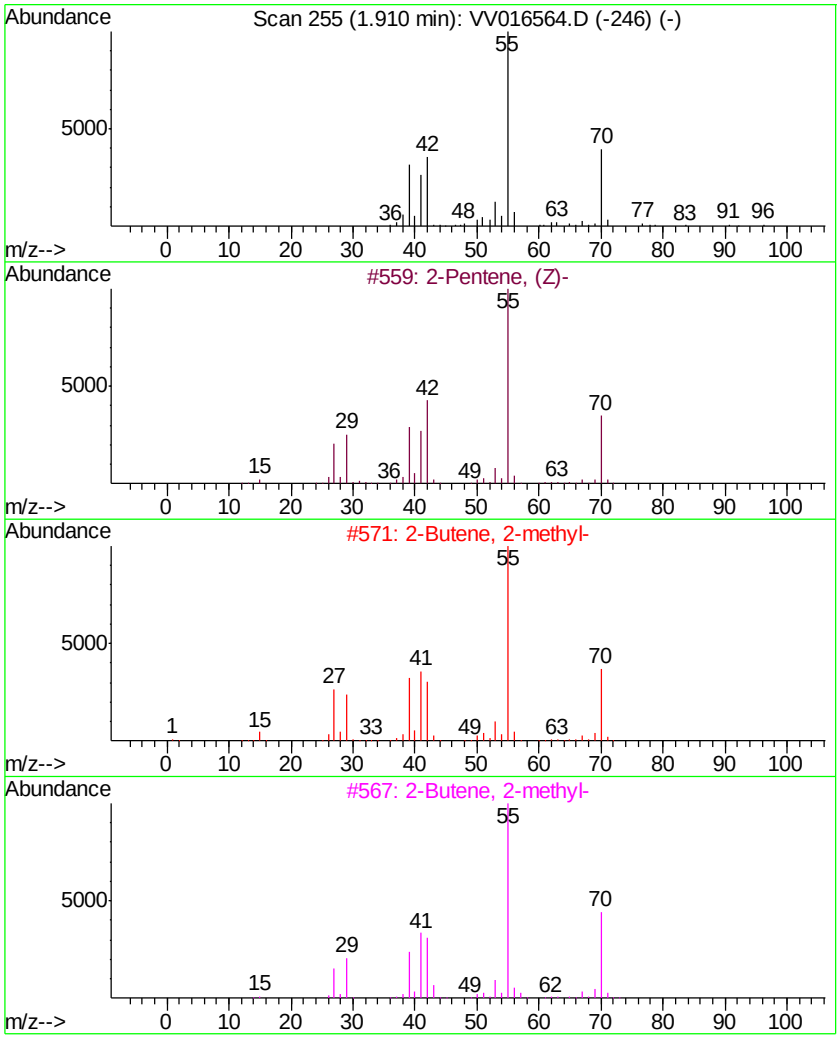
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

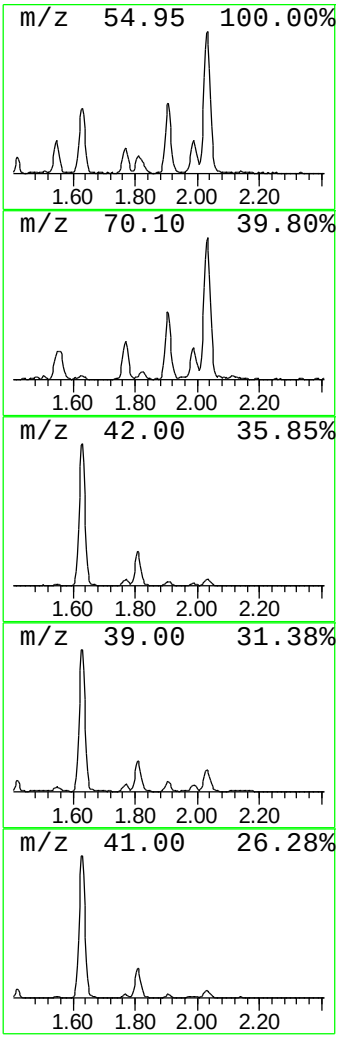
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.91	3.69 ug/L	66322	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
4	2-Methyl-1-butene	70	C5H10	000563-46-2	86
5	2-Pentene	70	C5H10	000109-68-2	86





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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

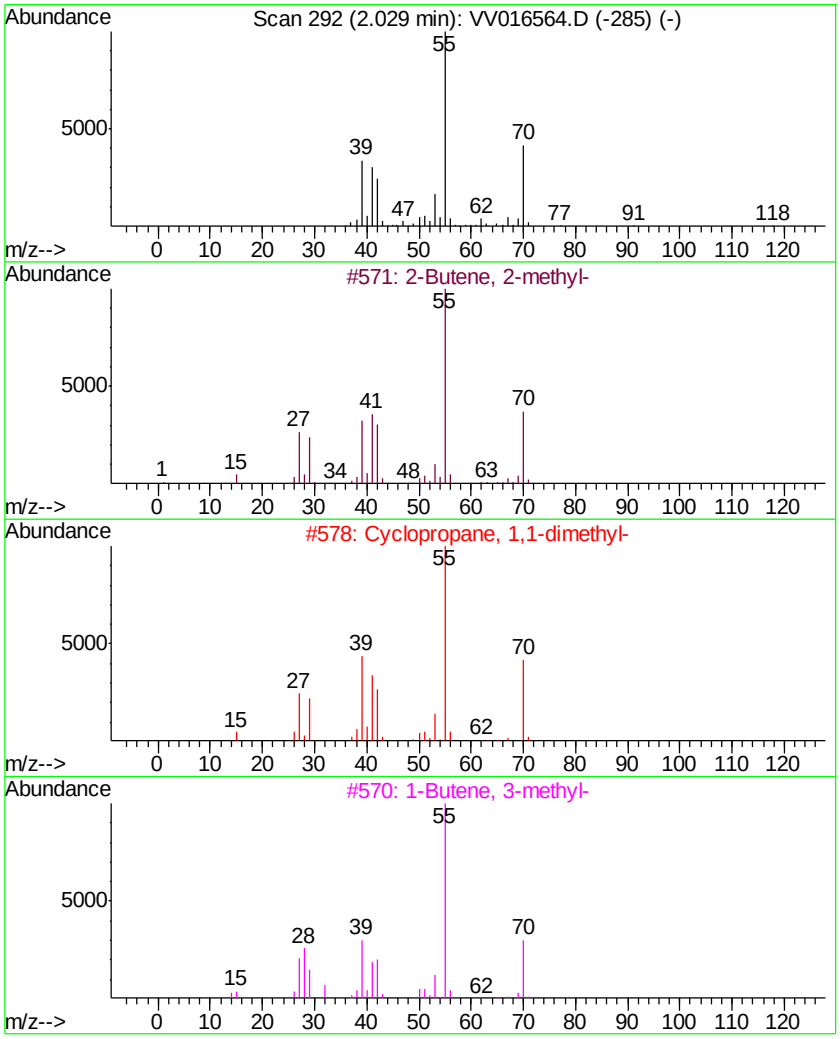
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

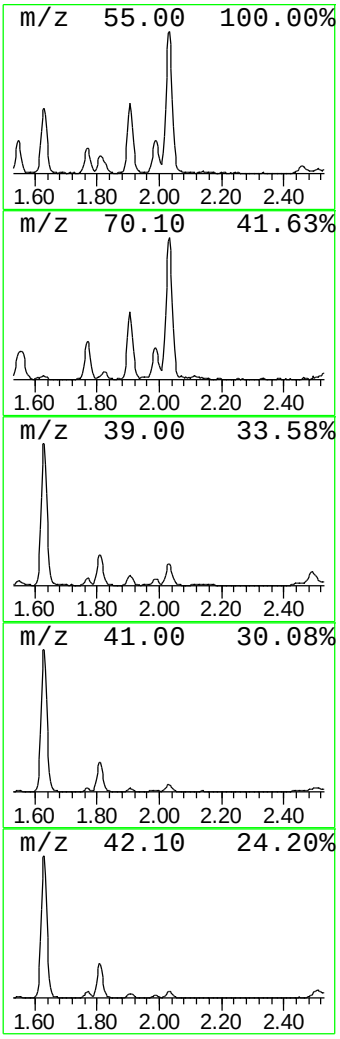
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.03	8.75 ug/L	157266	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	83
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	80
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	80
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	80





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Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

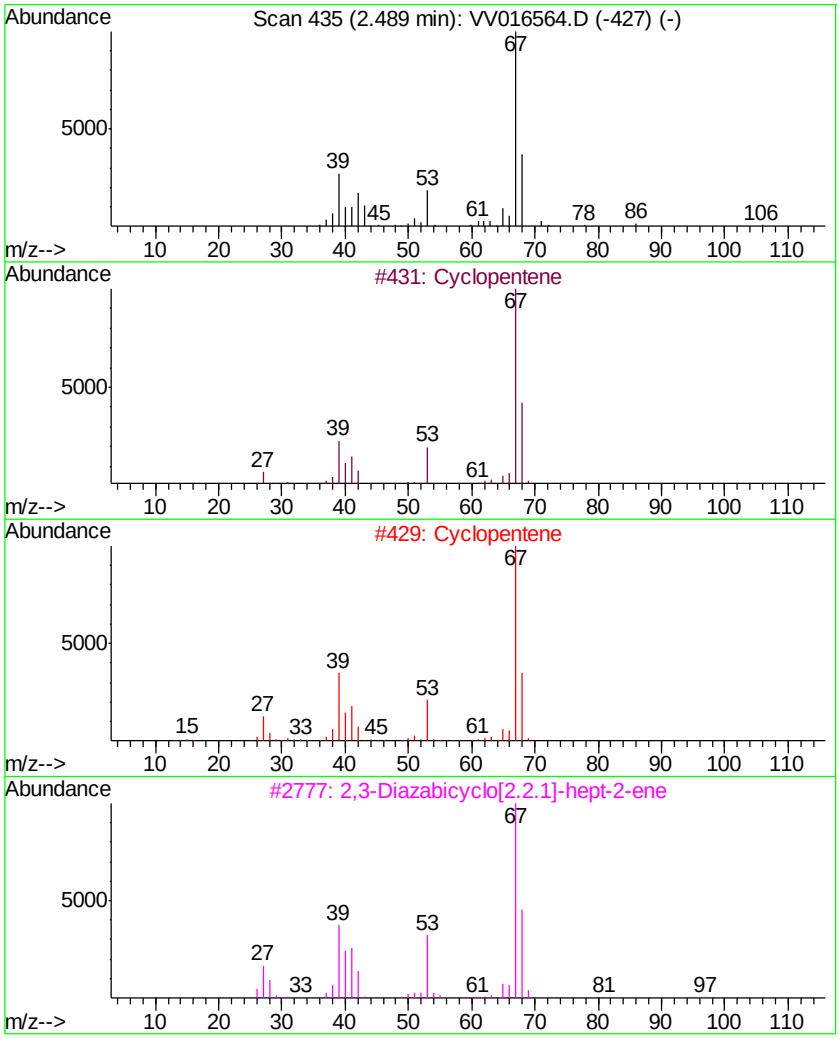
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

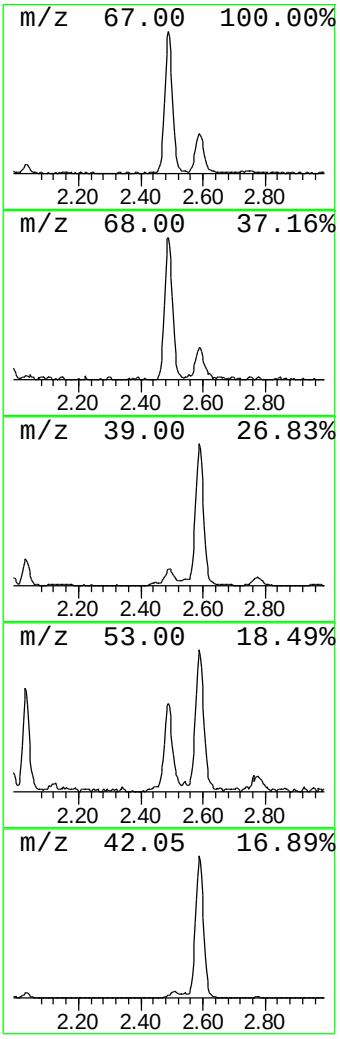
****

Peak Number 7 Cyclopentene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	7.42 ug/L	133446	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	81
2	Cyclopentene	68	C5H8	000142-29-0	74
3	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	64
4	Cyclopentene	68	C5H8	000142-29-0	59
5	1-Butyne, 3-methyl-	68	C5H8	000598-23-2	50





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Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

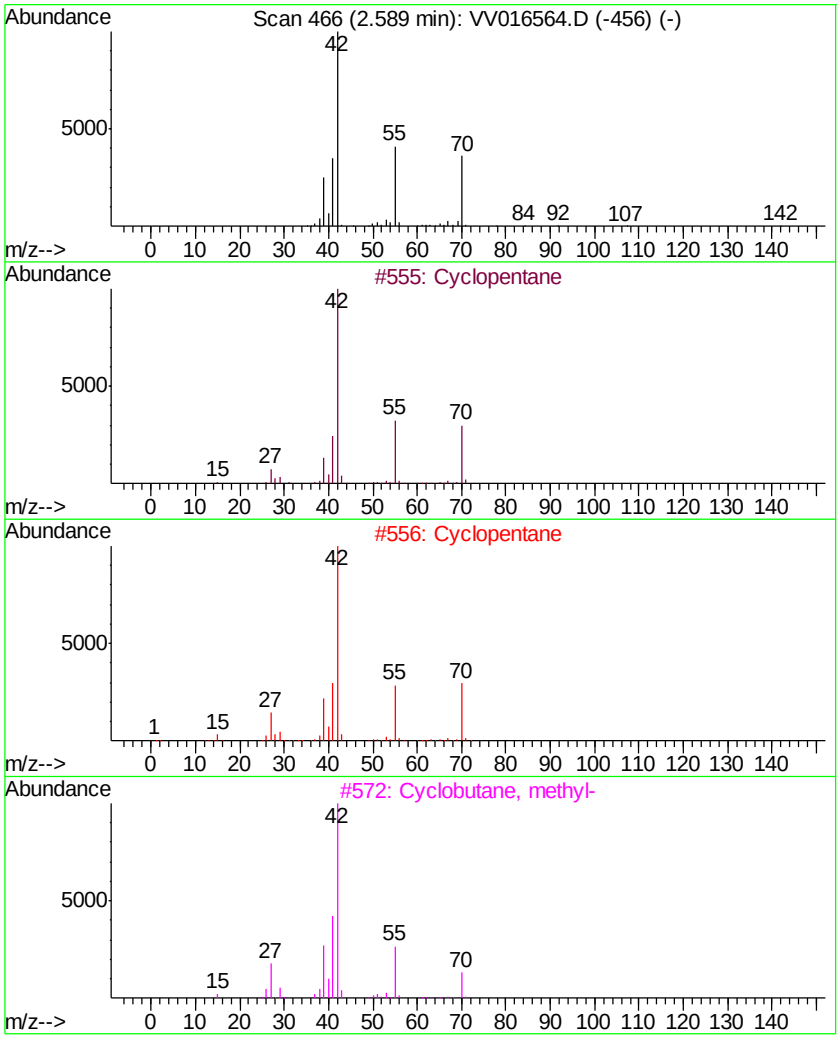
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

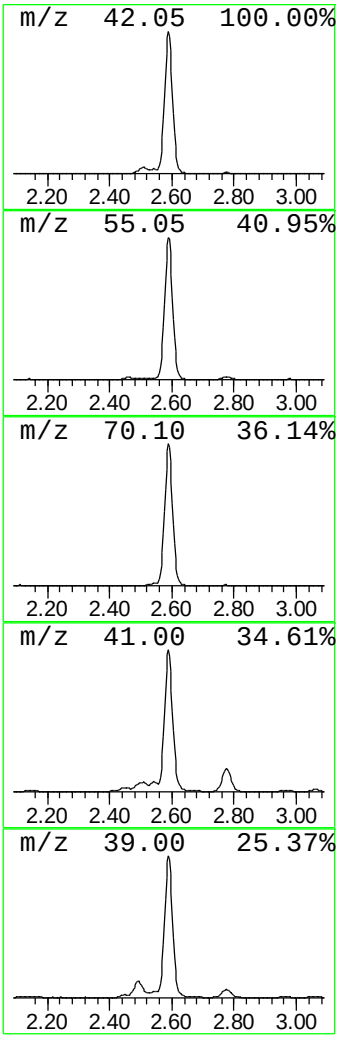
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic2.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	67.87 ug/L	1219950	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	86
2	Cyclopentane	70	C5H10	000287-92-3	86
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
5	1-Pentene	70	C5H10	000109-67-1	64





Library Search Compound Report

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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

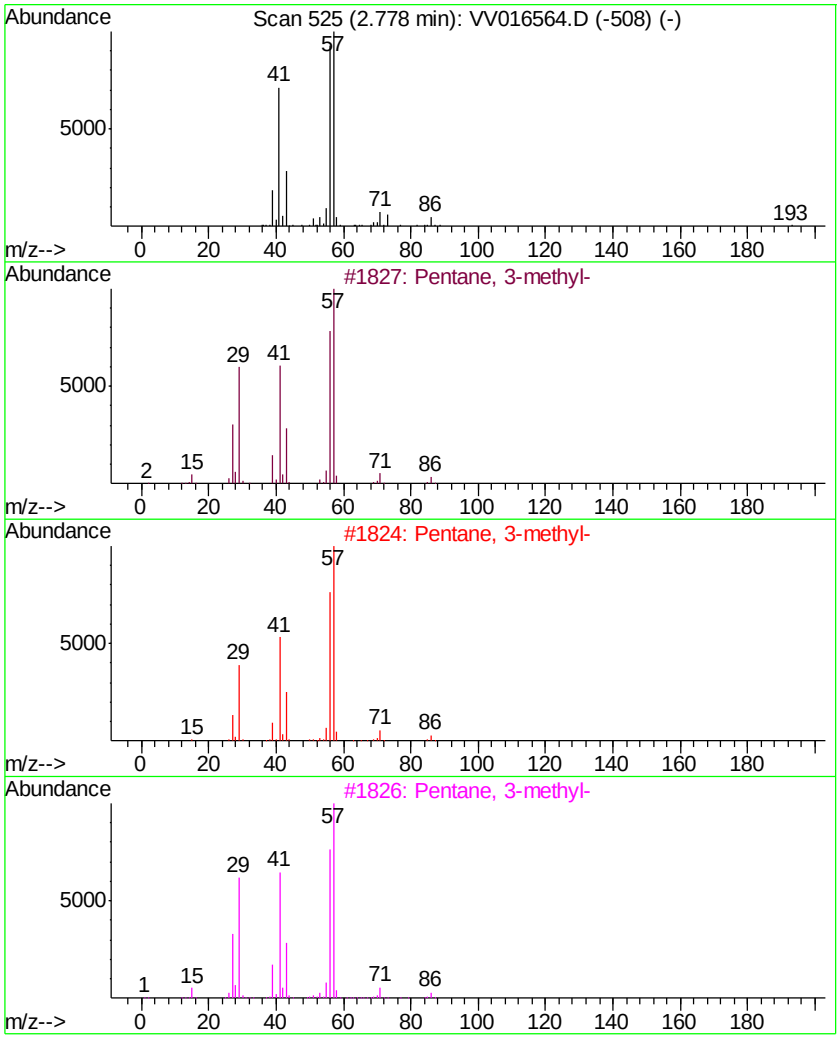
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

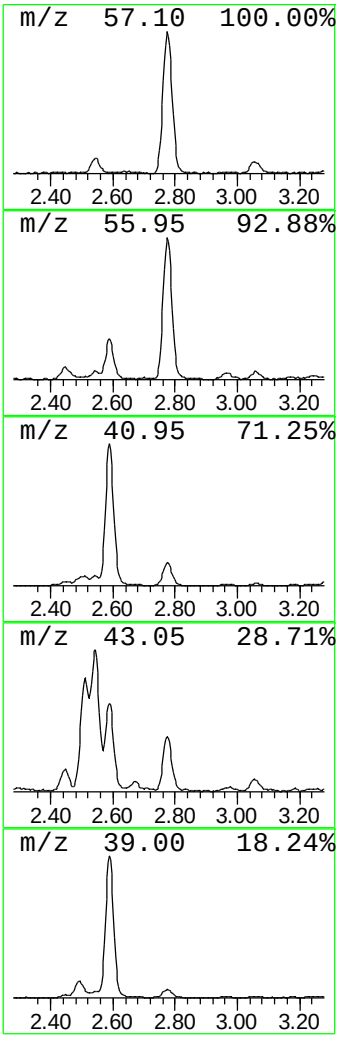
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	8.55 ug/L	153703	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	59
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56





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Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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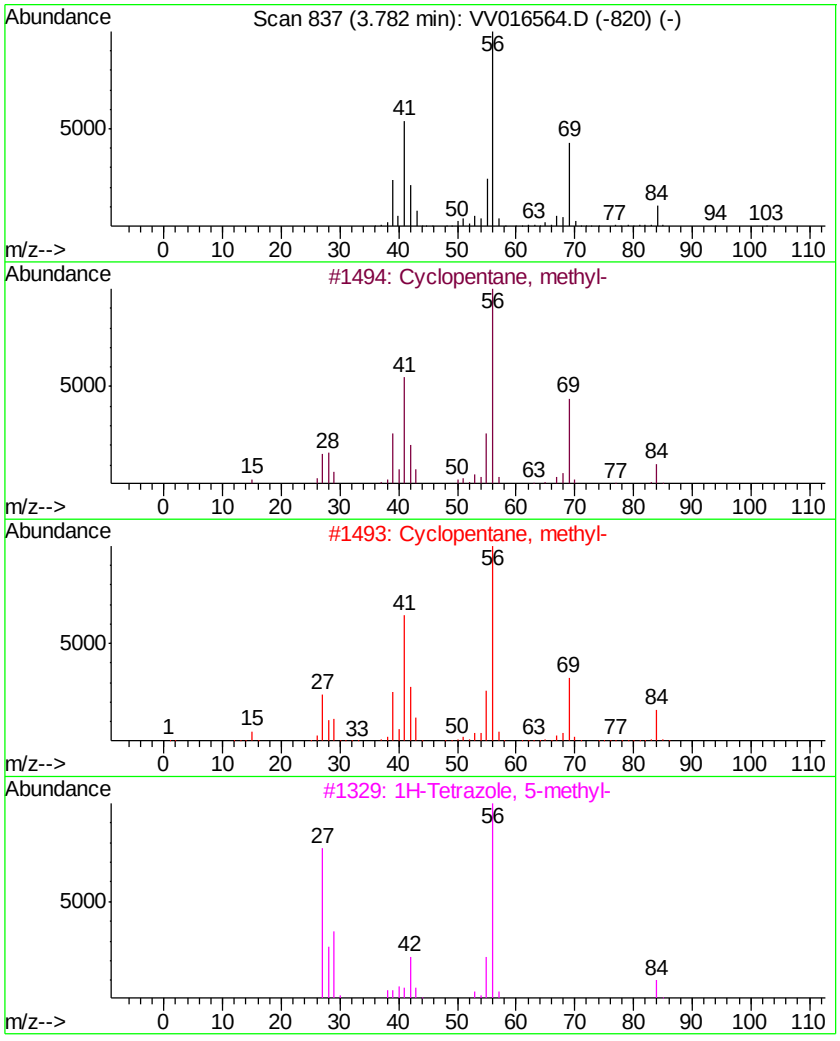
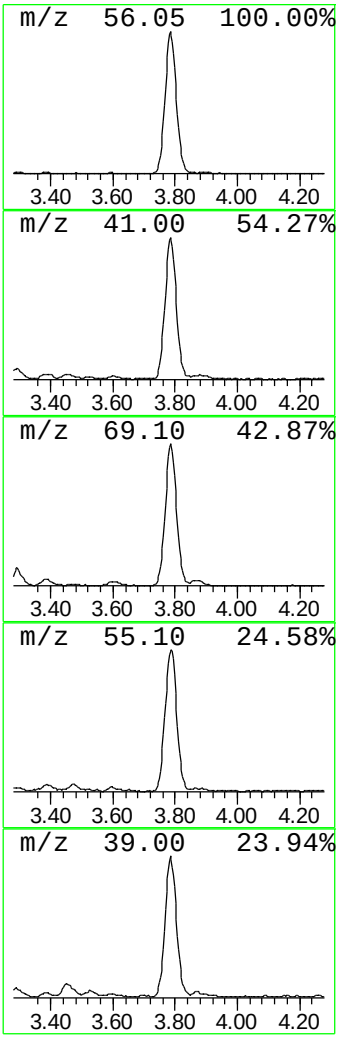
Peak Number 10 (DEL) Alkane: Cyclic3.78 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	35.72 ug/L	642005	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
4	Cyclohexane	84	C6H12	000110-82-7	80
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	80





Library Search Compound Report

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Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

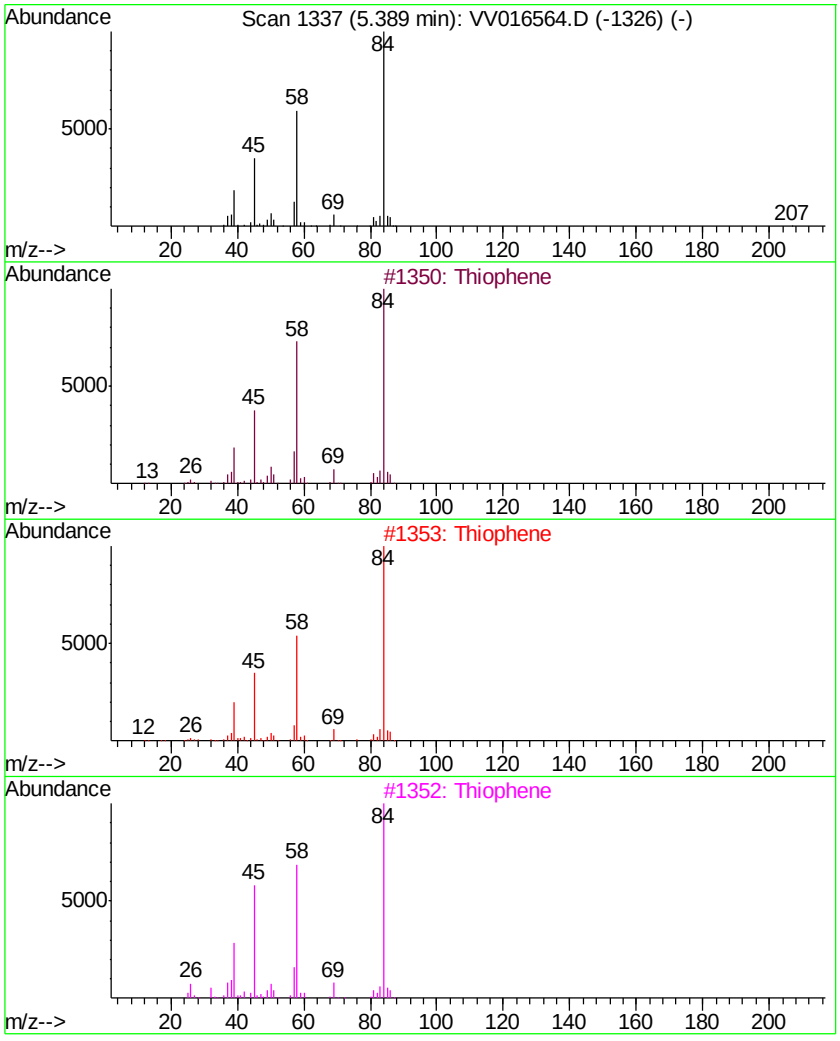
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

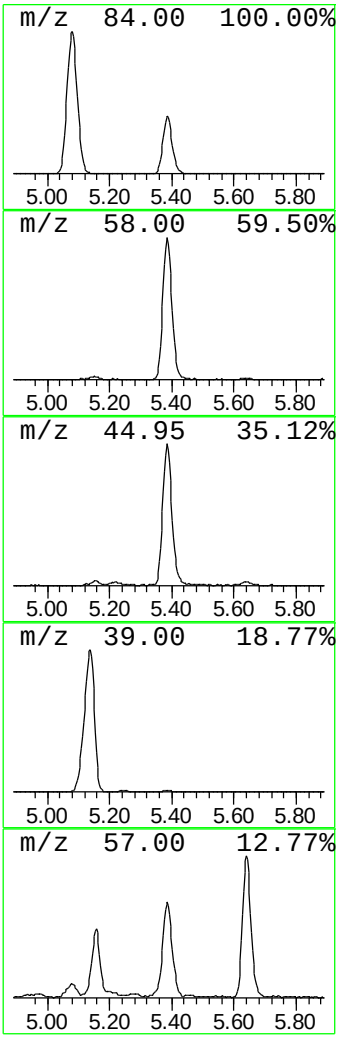
****

Peak Number 11 Thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.39	30.78 ug/L	553194	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	97
2	Thiophene	84	C4H4S	000110-02-1	95
3	Thiophene	84	C4H4S	000110-02-1	91
4	Thiophene	84	C4H4S	000110-02-1	91
5	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	37





Library Search Compound Report

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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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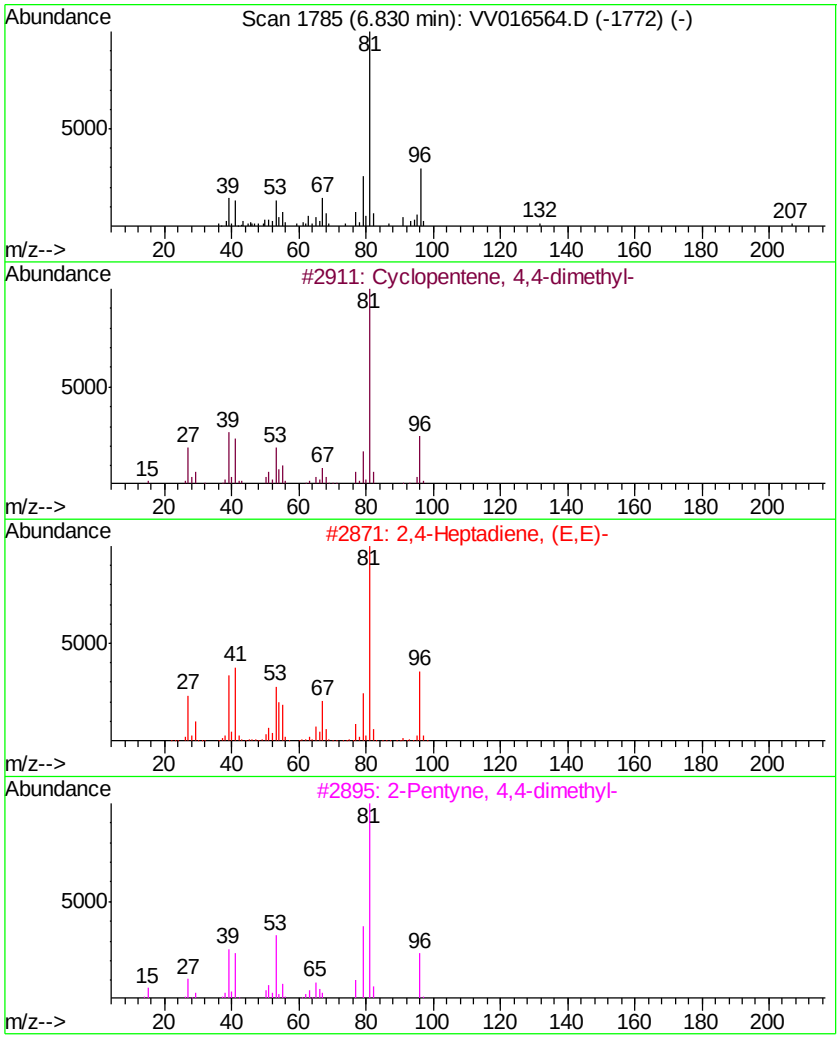
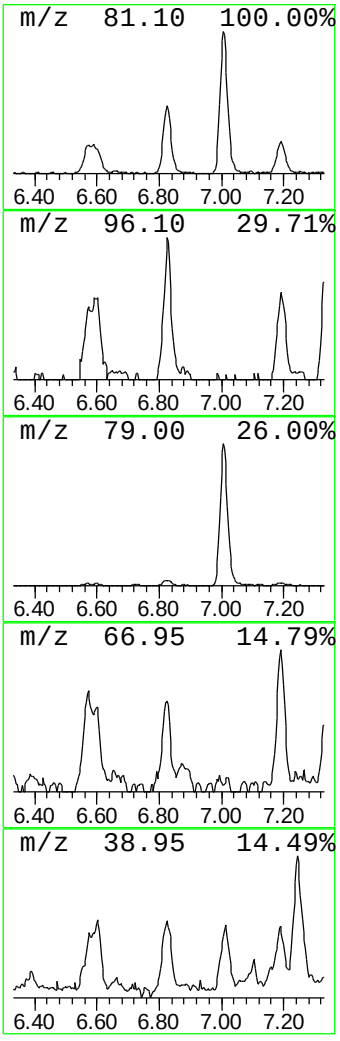
Peak Number 12 Cyclopentene, 4,4-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	3.15 ug/L	56635	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	87
2	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	87
3	2-Pentyne, 4,4-dimethyl-	96	C7H12	000999-78-0	80
4	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	74
5	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	72





Library Search Compound Report

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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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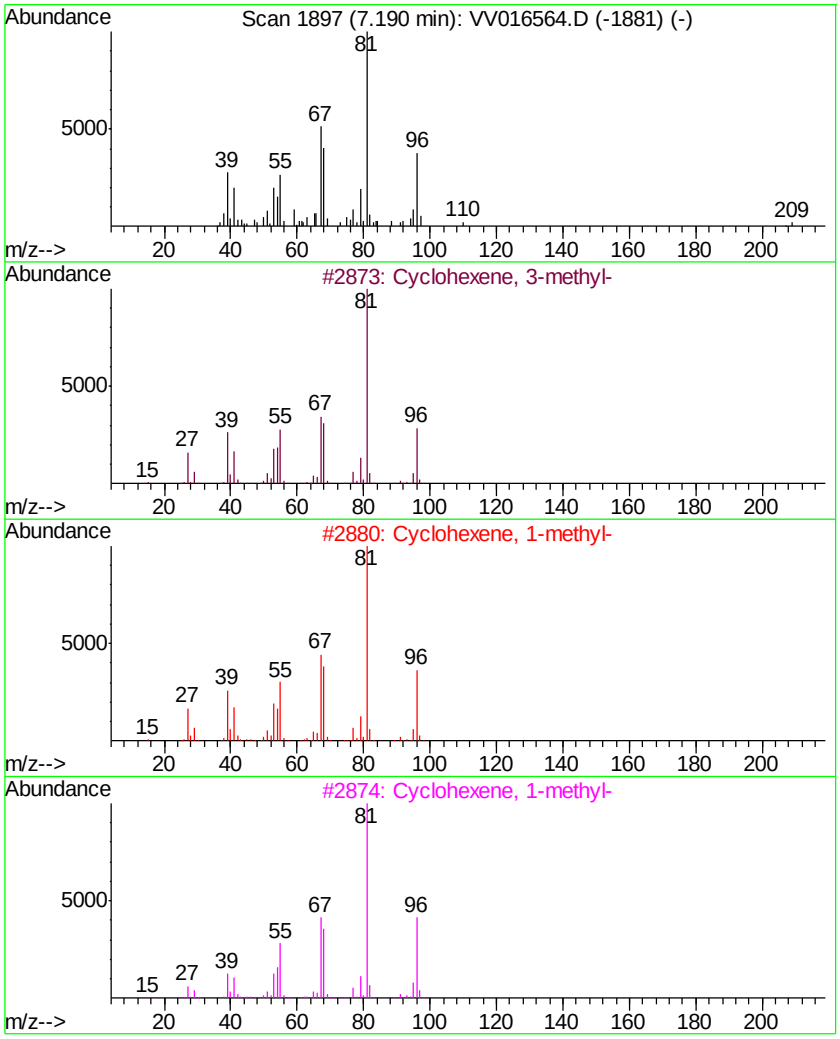
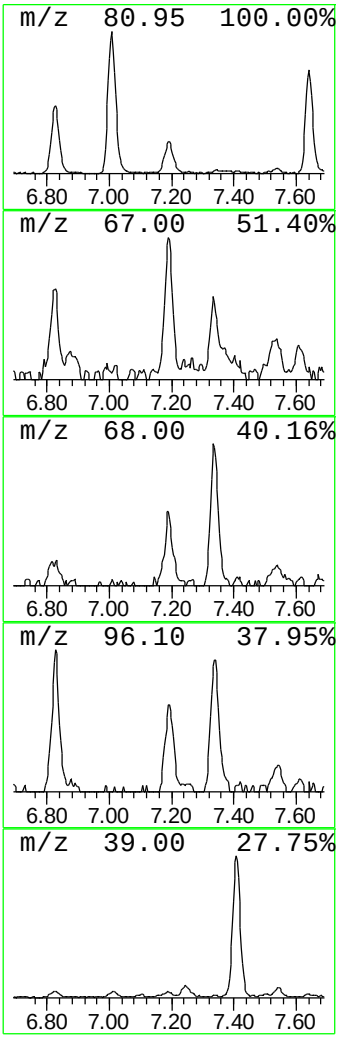
Peak Number 14 Cyclohexene, 3-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	2.93 ug/L	52709	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	94
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	87
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	83





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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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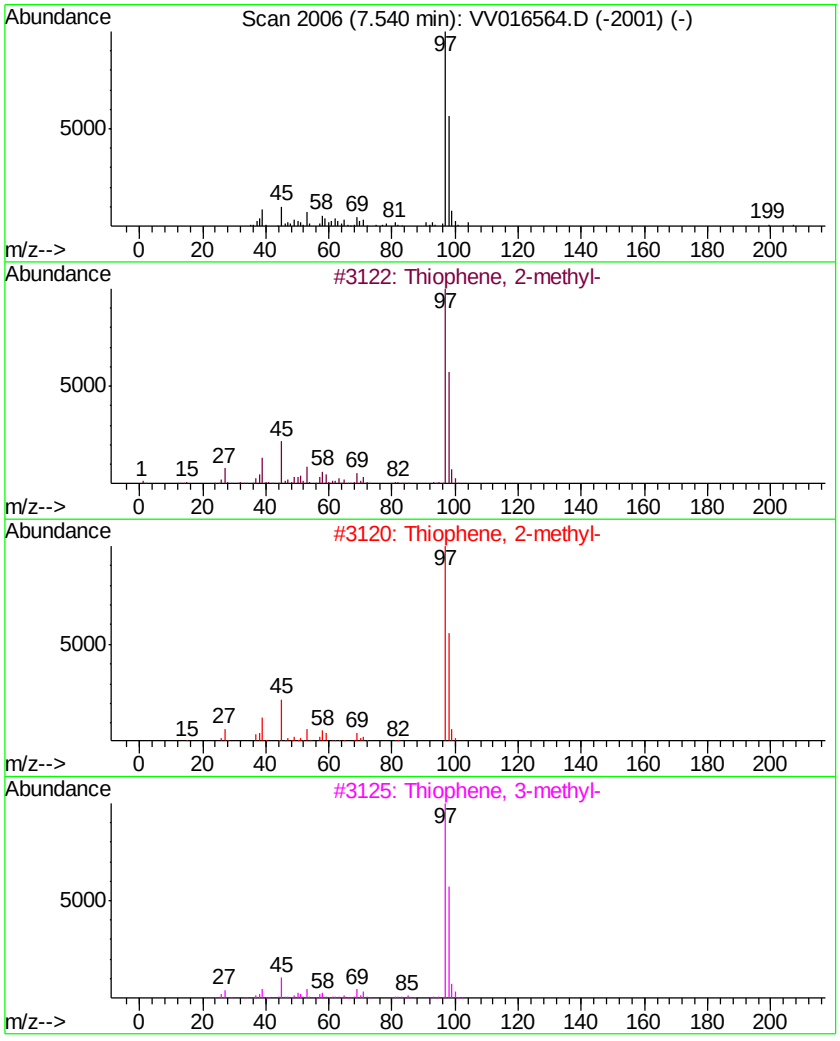
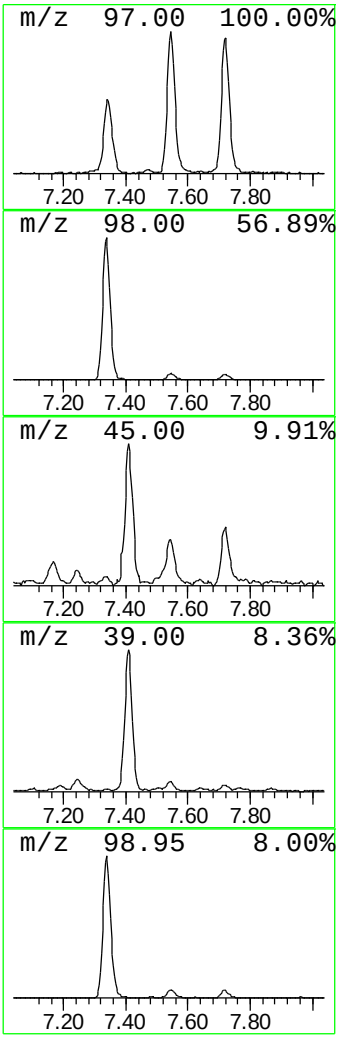
Peak Number 15 Thiophene, 2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	4.83 ug/L	101709	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	87
2	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	86
3	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	83
4	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	83
5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	80





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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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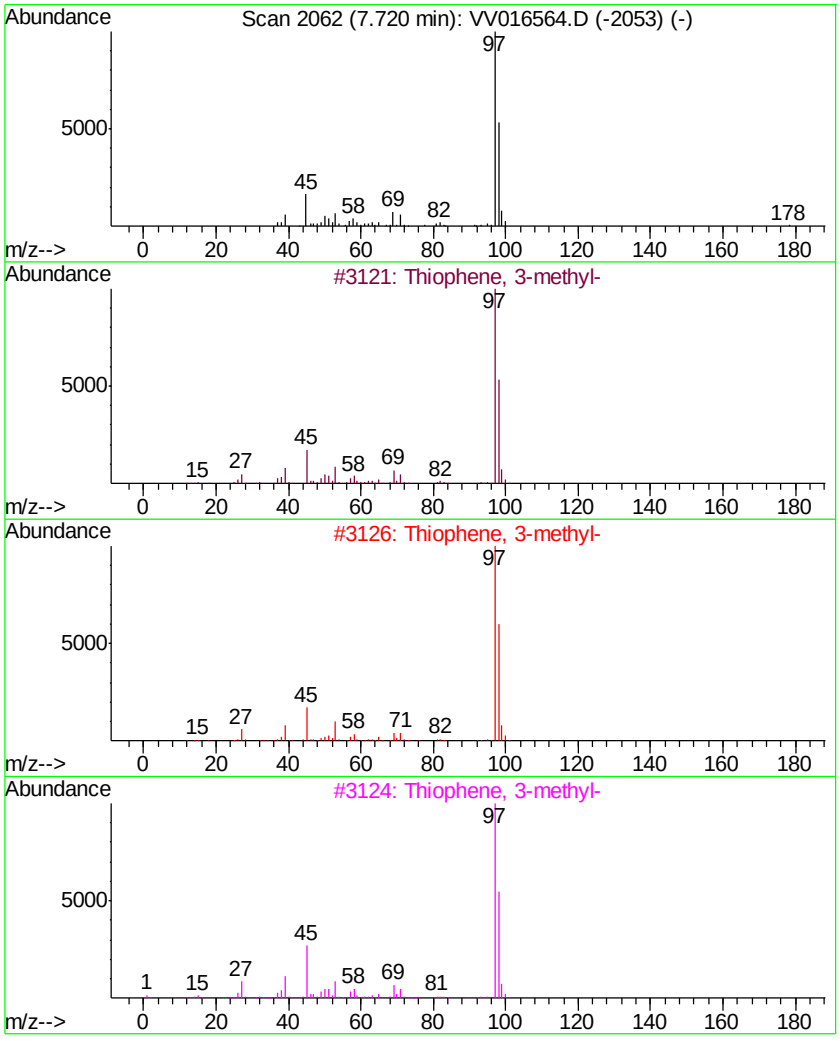
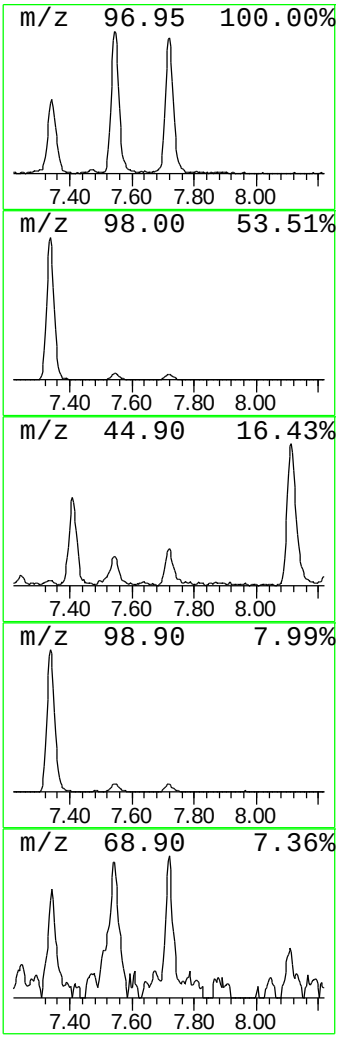
Peak Number 16 Thiophene, 3-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	3.72 ug/L	78407	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	97
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	94
3	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
4	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
5	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91





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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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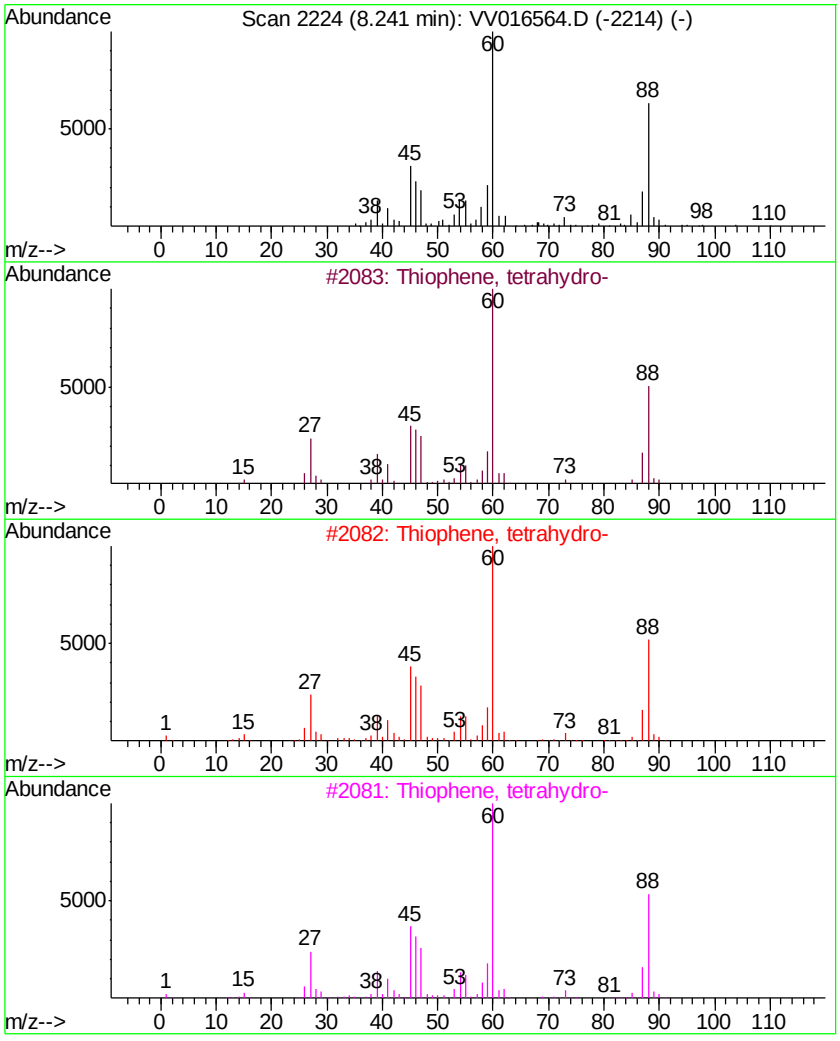
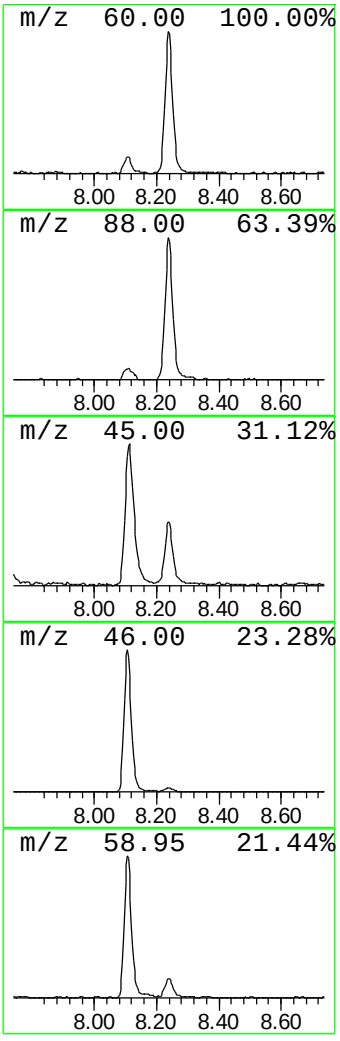
Peak Number 17 Thiophene, tetrahydro- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	5.82 ug/L	122722	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	91
2	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	90
3	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	90
4	Thietane, 2-methyl-	88	C4H8S	017837-41-1	72
5	Ethylvinyl sulfide	88	C4H8S	000627-50-9	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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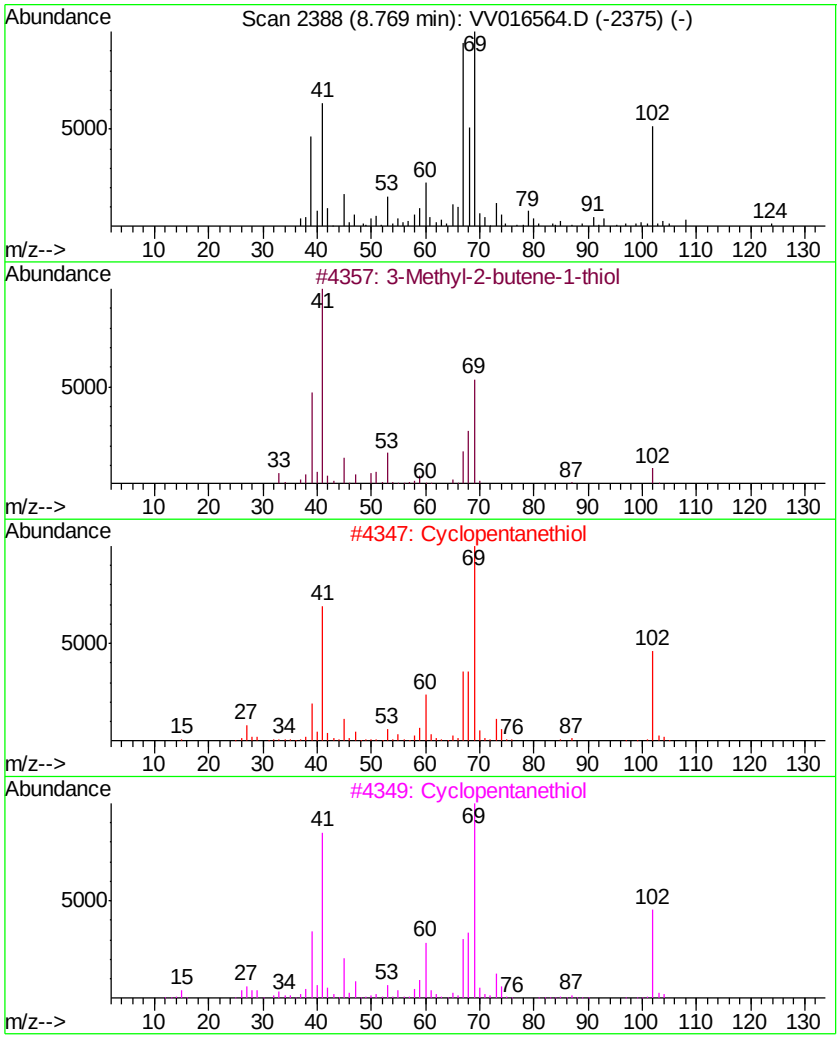
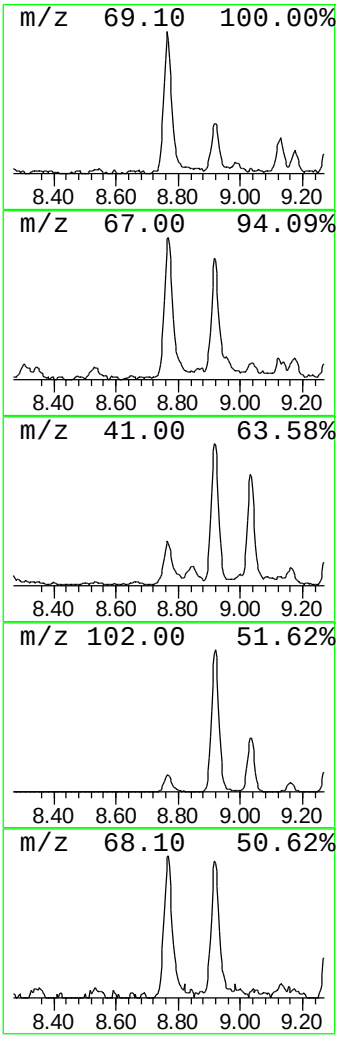
Peak Number 18 3-Methyl-2-butene-1-thiol Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	6.12 ug/L	128859	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-2-butene-1-thiol	102	C5H10S	005287-45-6	62
2	Cyclopentanethiol	102	C5H10S	001679-07-8	55
3	Cyclopentanethiol	102	C5H10S	001679-07-8	53
4	3-Methyl-2-butene-1-thiol	102	C5H10S	005287-45-6	49
5	Cyclopentanethiol	102	C5H10S	001679-07-8	49





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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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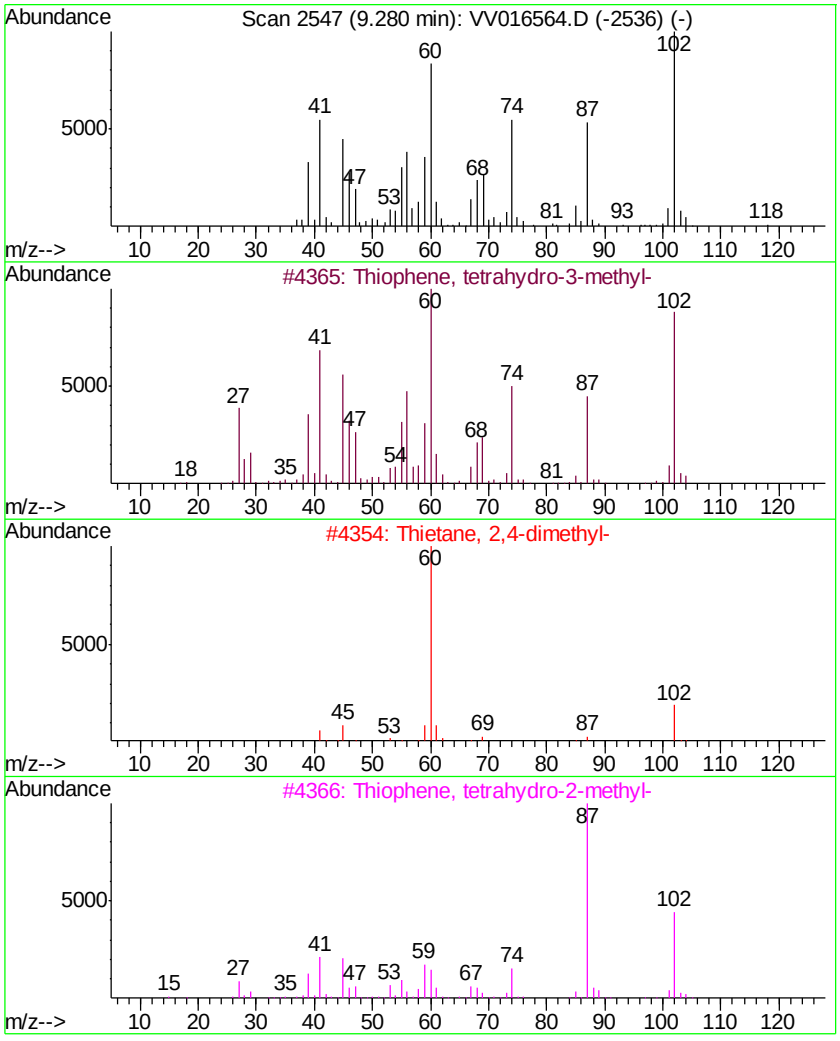
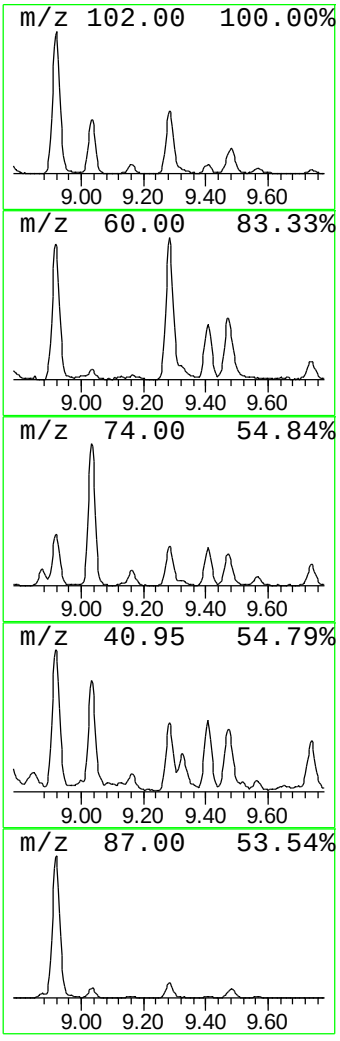
Peak Number 19 Thiophene, tetrahydro-3-met... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	10.77 ug/L	226973	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	96
2	Thietane, 2,4-dimethyl-	102	C5H10S	043044-24-2	47
3	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	47
4	1-Butene, 1-(methylthio)-, (Z)-	102	C5H10S	017414-15-2	43
5	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	38





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Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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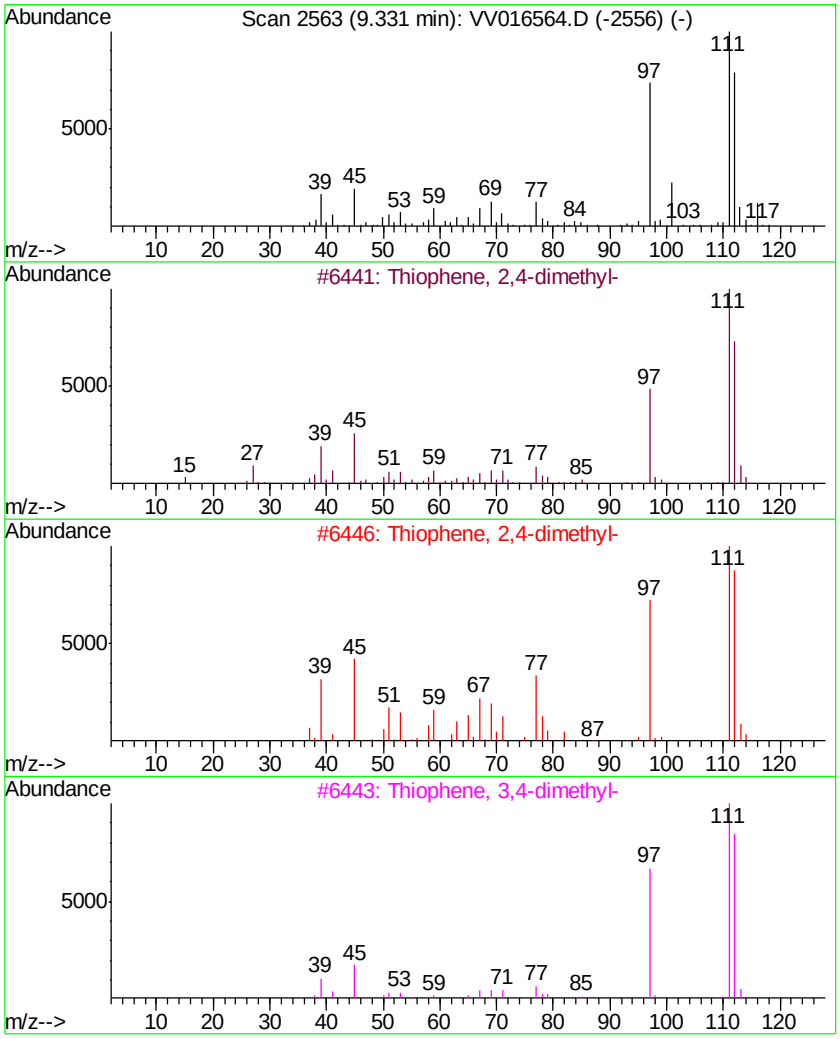
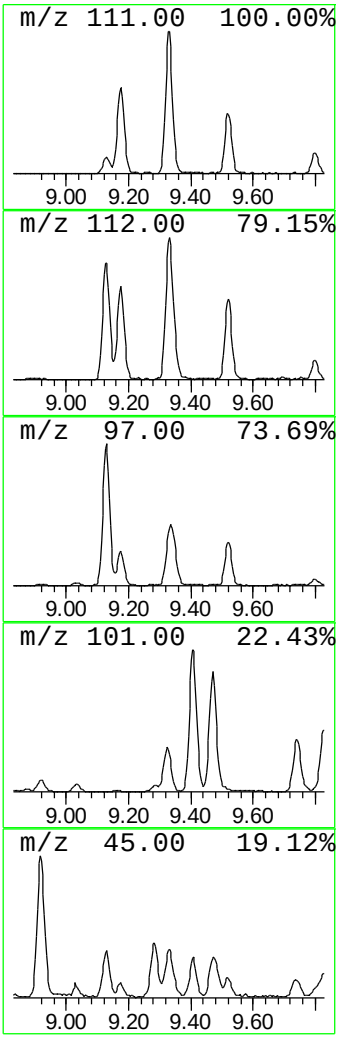
Peak Number 20 Thiophene, 2,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	13.24 ug/L	279083	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	83
2	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	81
3	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	81
4	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	74
5	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	74





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Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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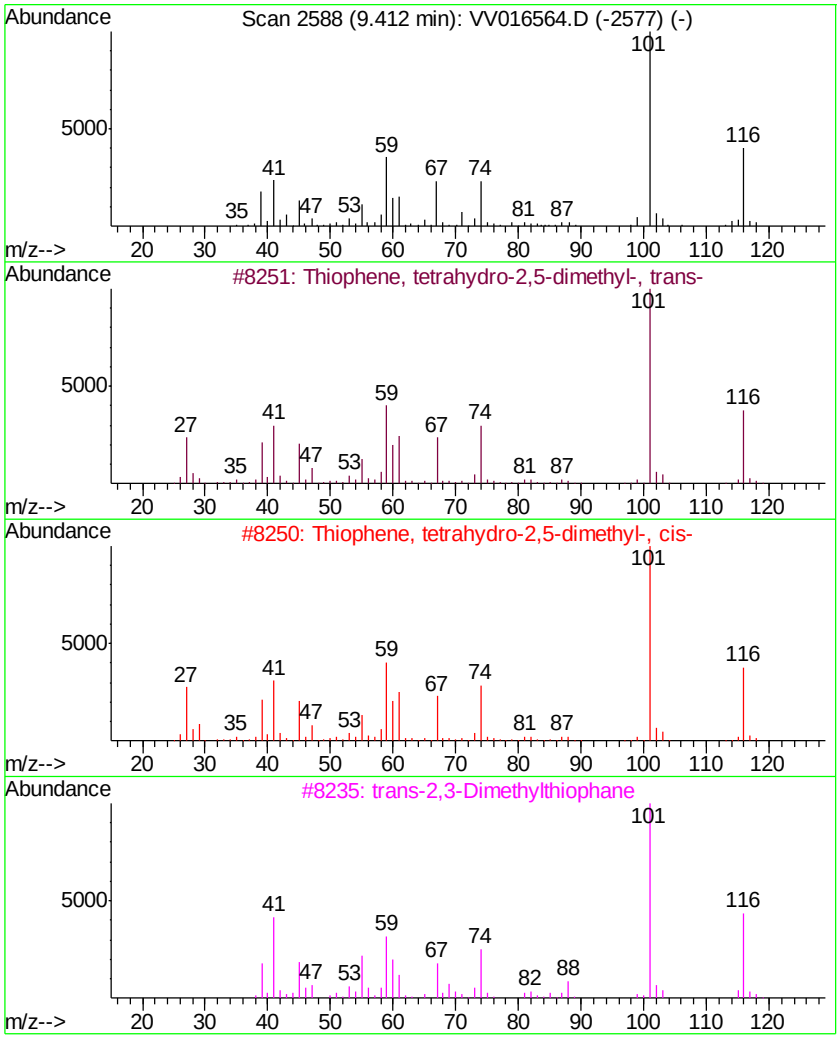
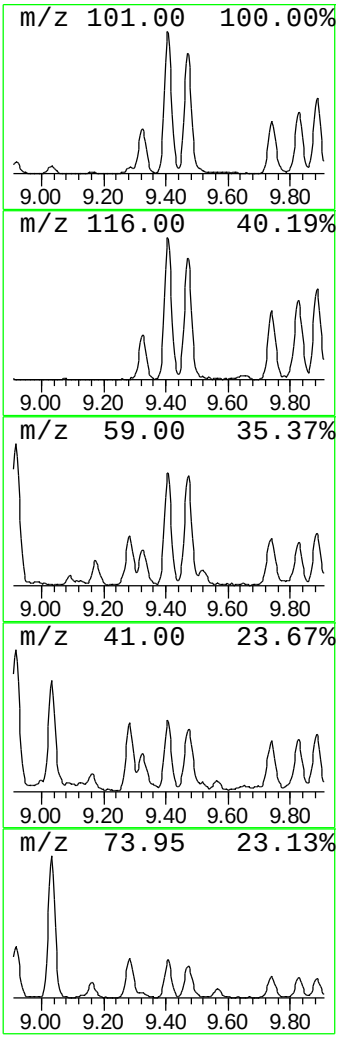
Peak Number 21 Thiazole, 4,5-dihydro-4-met... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	11.97 ug/L	252171	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	90
2	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	90
3	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	90
4	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	64
5	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	50





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Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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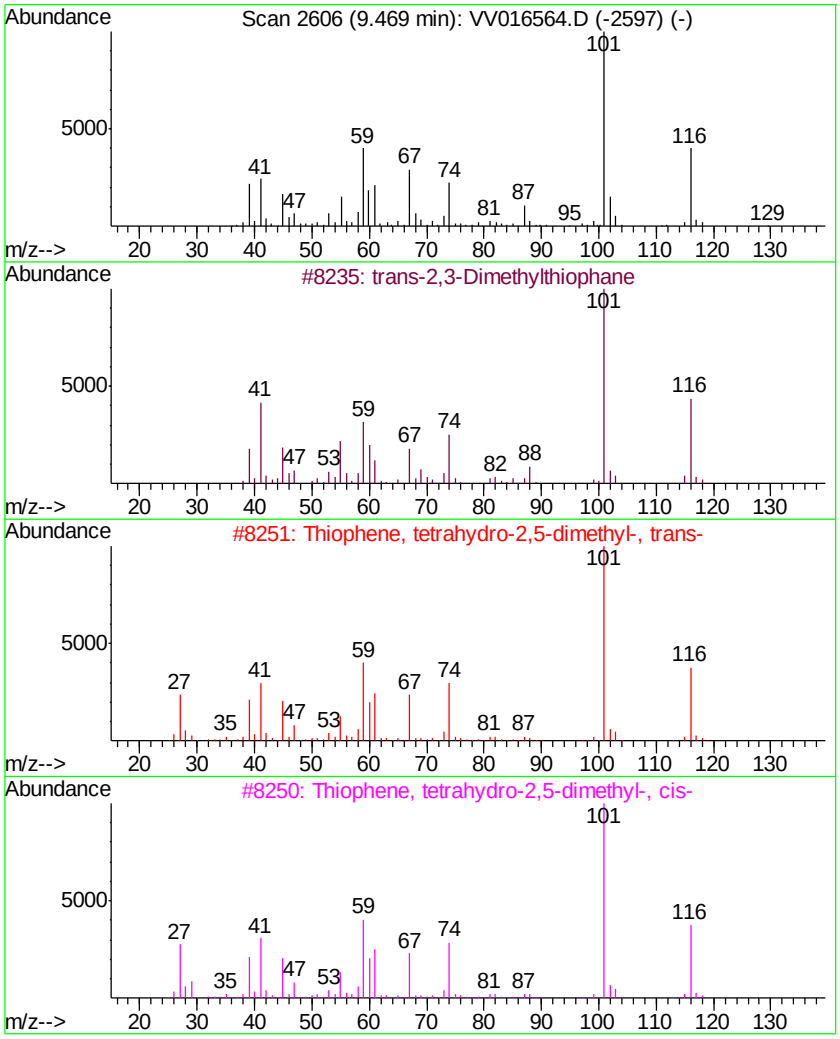
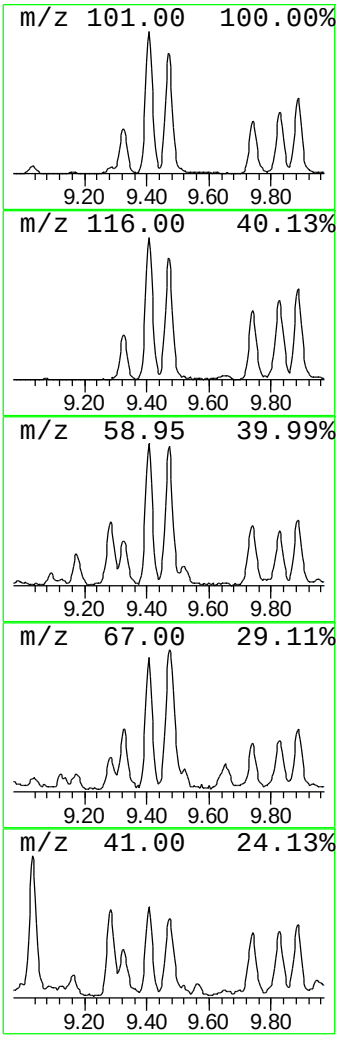
Peak Number 22 trans-2,3-Dimethylthiophane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	13.26 ug/L	279406	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	91
2	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	90
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	90
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	76
5	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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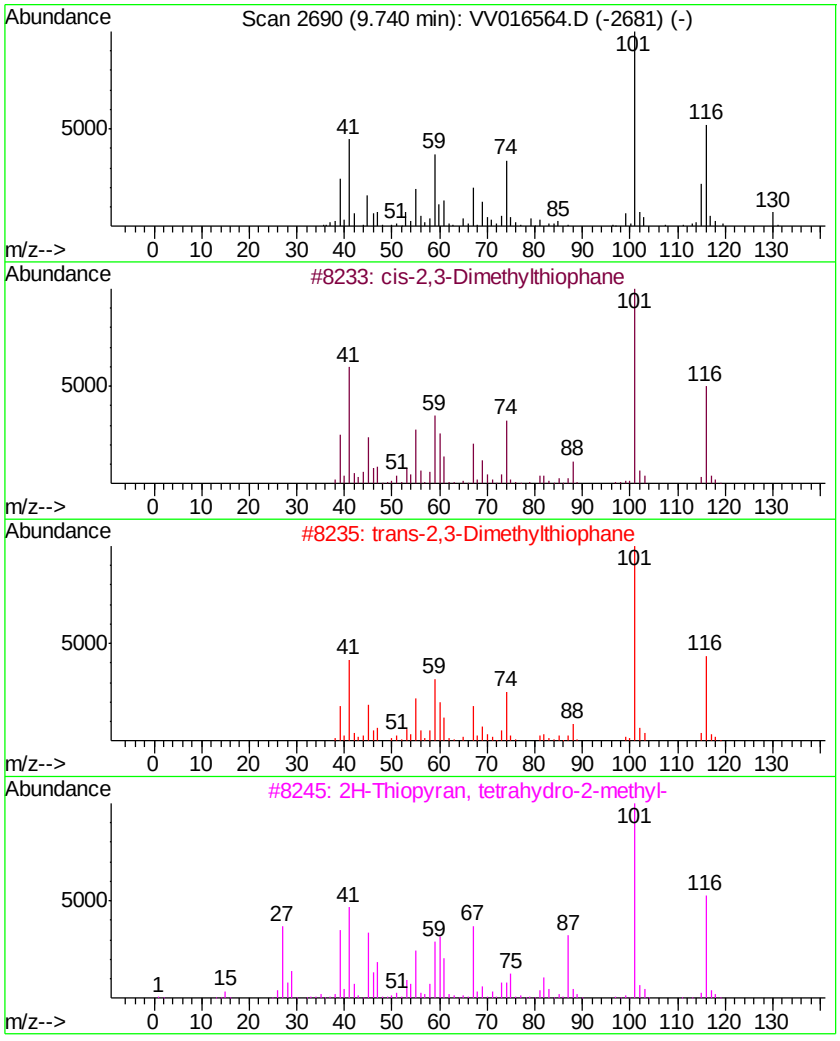
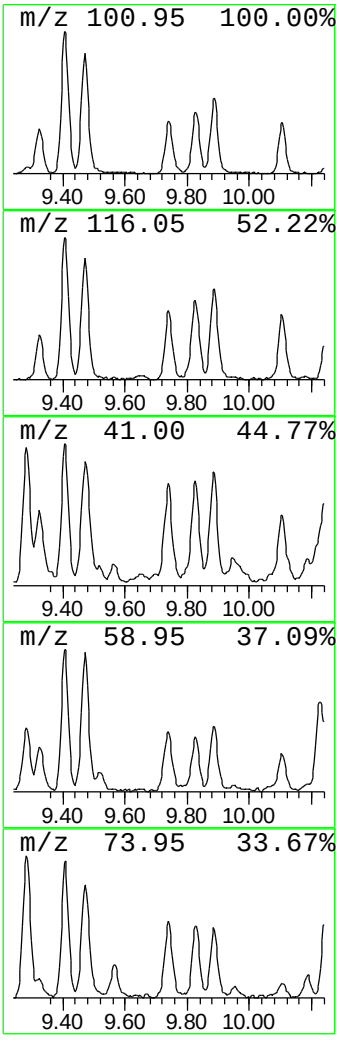
Peak Number 23 cis-2,3-Dimethylthiophane Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	6.37 ug/L	134210	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	91
2	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	91
3	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	76
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	72
5	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	72





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Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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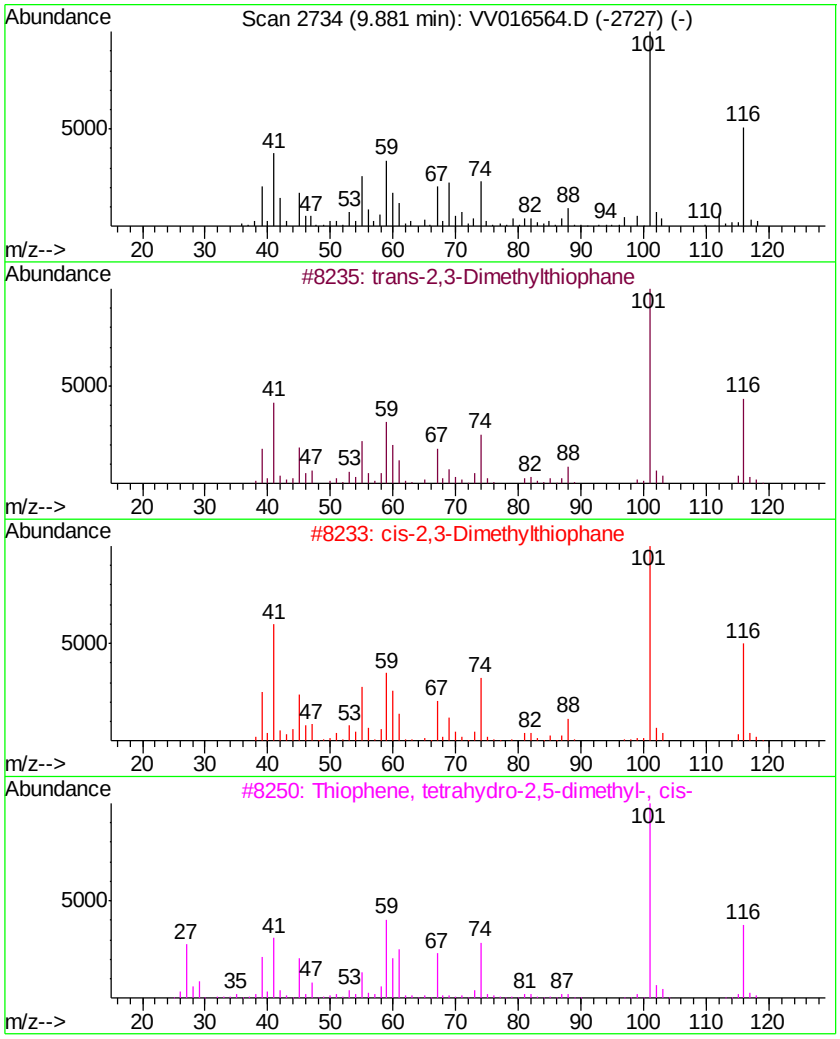
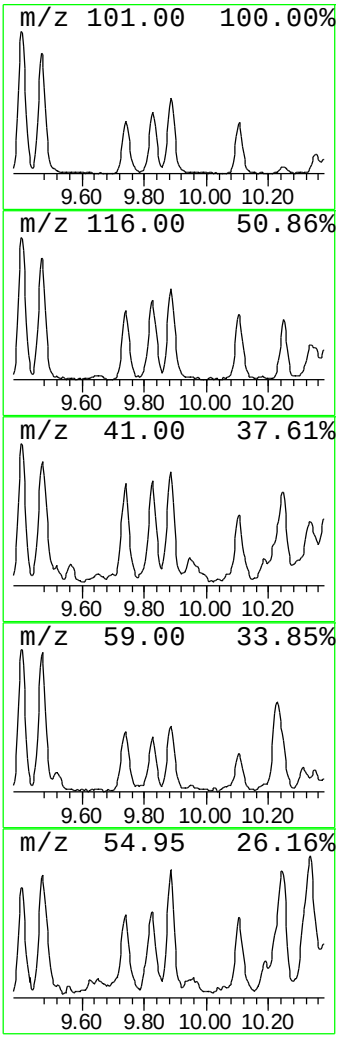
Peak Number 24 Thiophene, tetrahydro-2,5-d... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	7.82 ug/L	164840	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	97
2	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	96
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	90
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	87
5	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	81





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Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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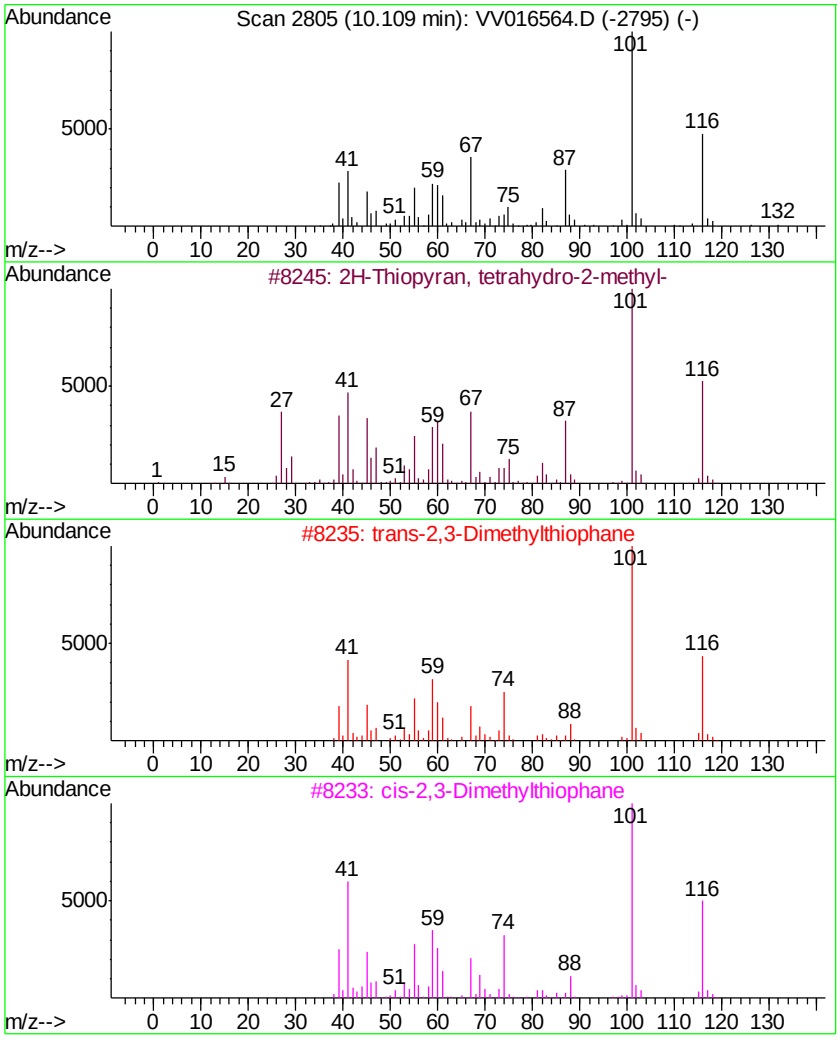
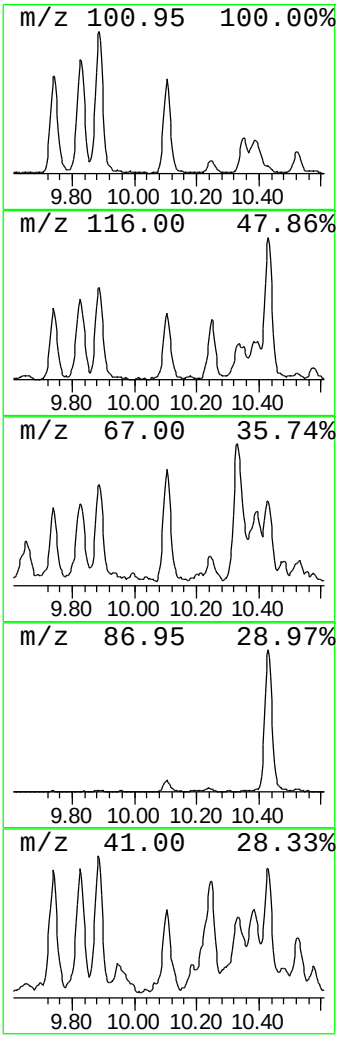
Peak Number 25 2H-Thiopyran, tetrahydro-2-... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.11	5.49 ug/L	134152	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	95
2	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	90
3	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	83
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	59
5	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	59





Library Search Compound Report

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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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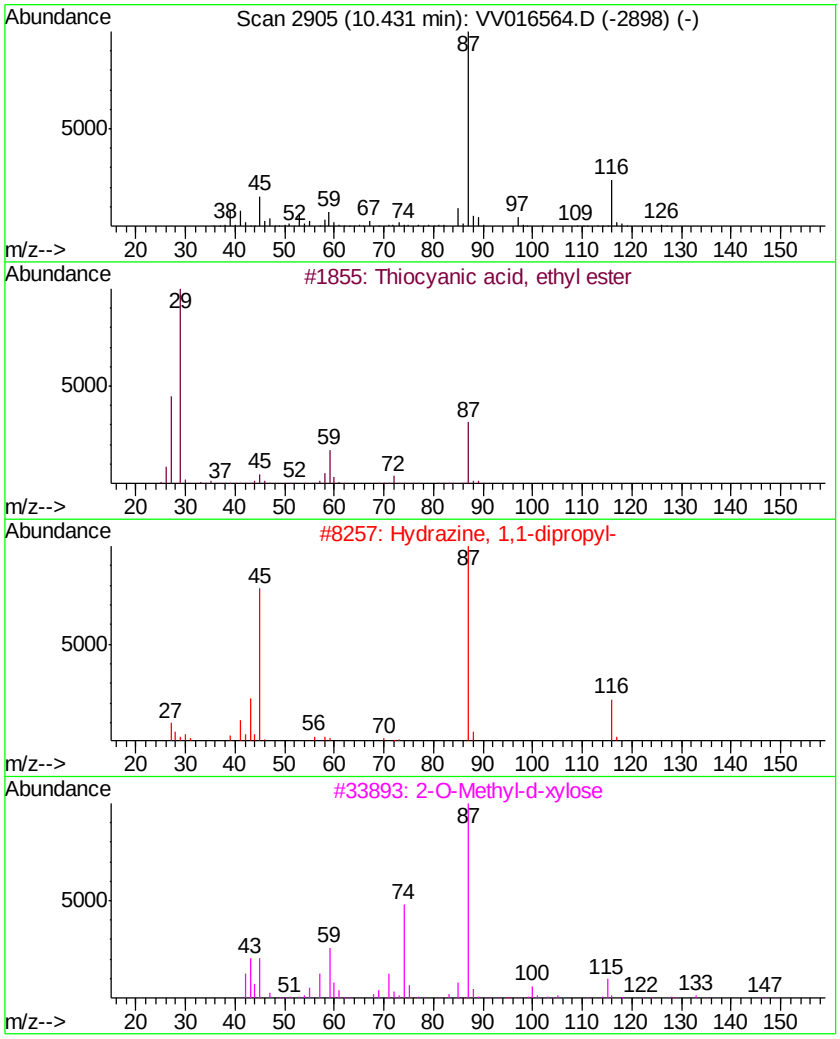
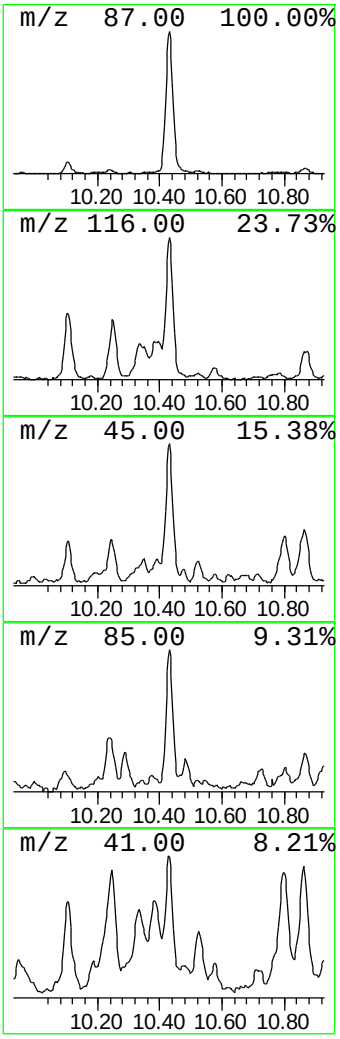
Peak Number 26 Thiocyanic acid, ethyl ester Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	6.66 ug/L	162926	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	52
2	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	45
3	2-O-Methyl-d-xylose	164	C6H12O5	1000130-01-3	38
4	4,4-Ethylenedioxy-1-pentylamine	145	C7H15NO2	066442-97-5	38
5	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	37





Library Search Compound Report

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Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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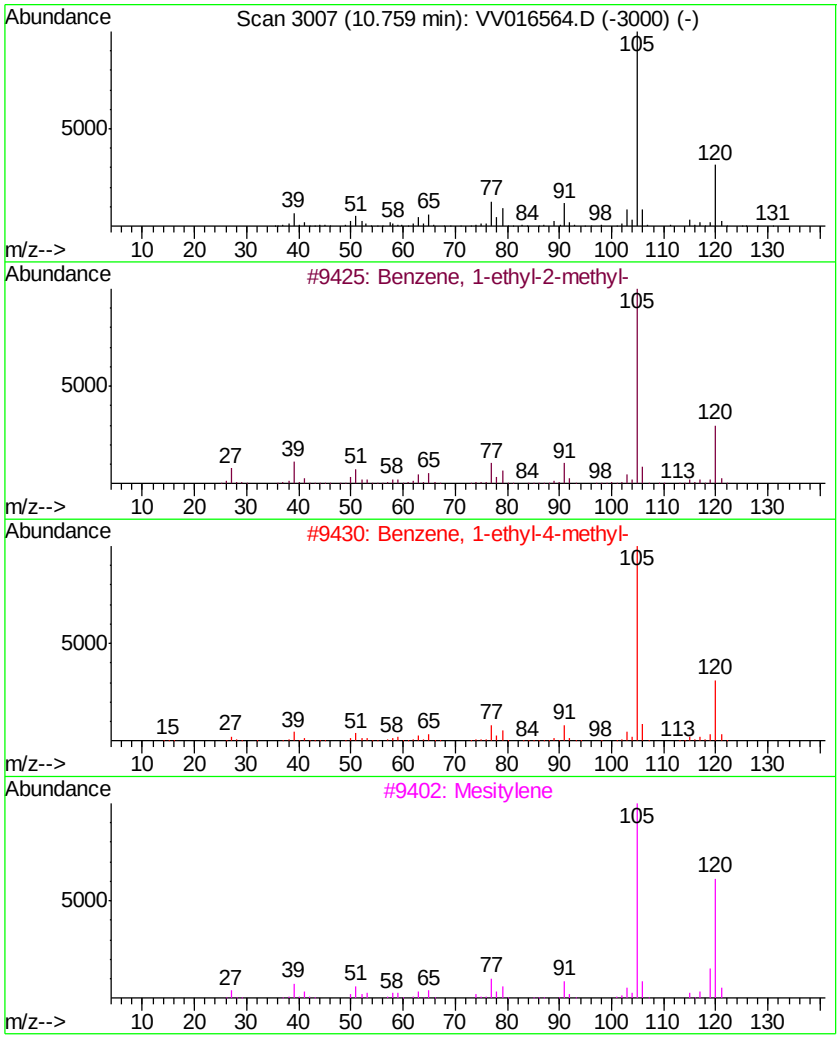
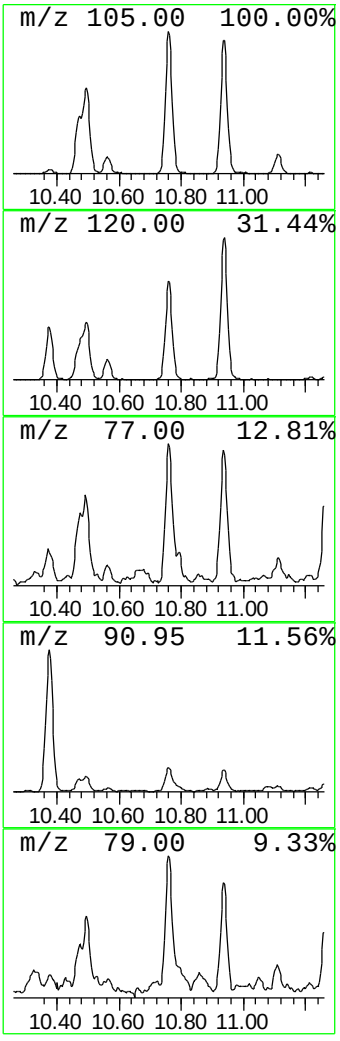
Peak Number 27 Benzene, 1-ethyl-2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	7.40 ug/L	180993	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	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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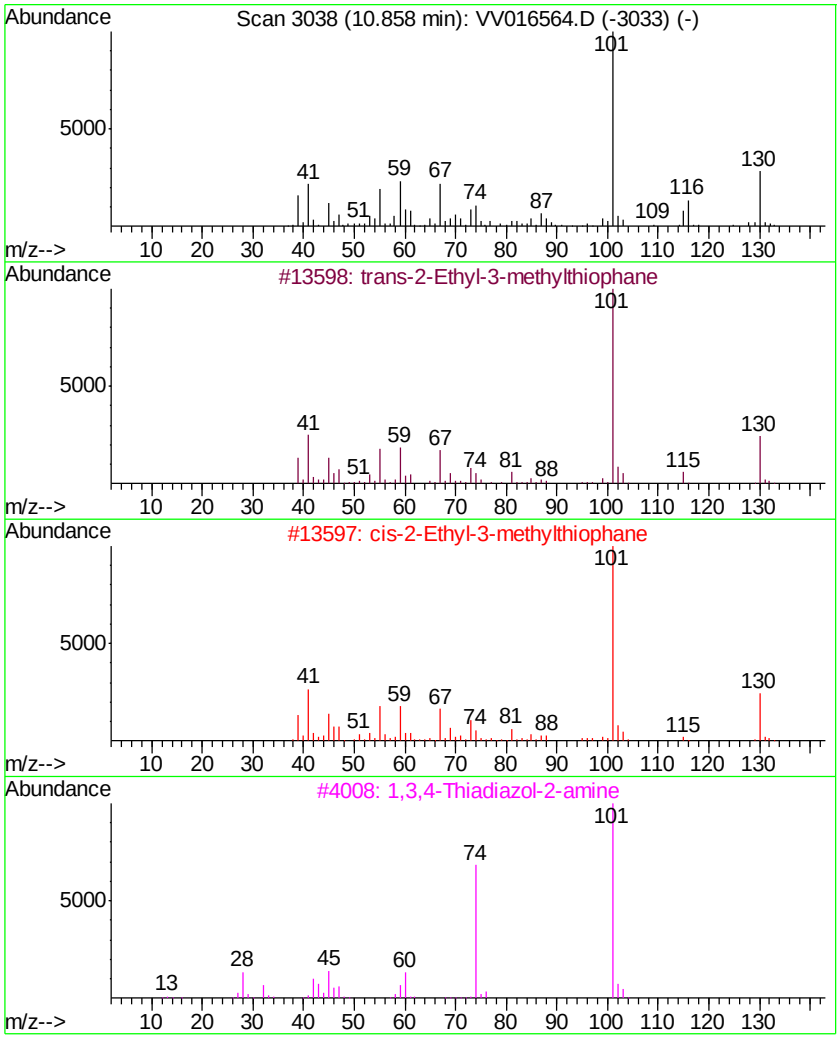
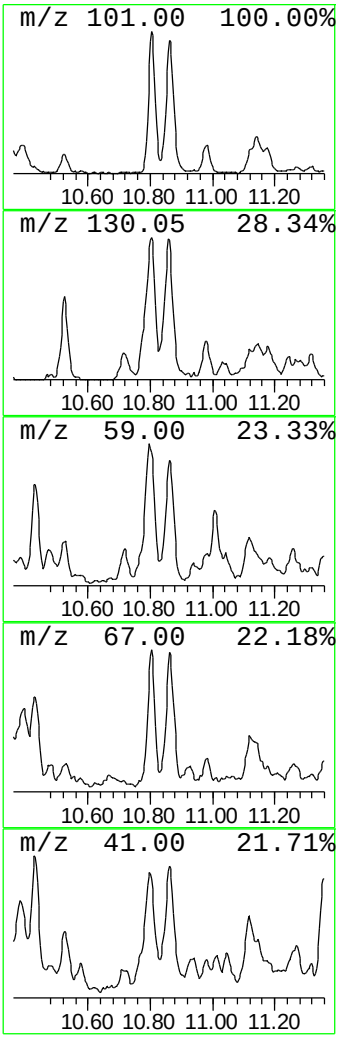
Peak Number 28 trans-2-Ethyl-3-methylthiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	7.57 ug/L	185060	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2-Ethyl-3-methylthiophane	130	C7H14S	061568-36-3	80
2	cis-2-Ethyl-3-methylthiophane	130	C7H14S	061568-37-4	72
3	1,3,4-Thiadiazol-2-amine	101	C2H3N3S	004005-51-0	49
4	3-Ethylthiane	130	C7H14S	061568-48-7	49
5	3H-1,2,4-Triazole-3-thione, 1,2-...	101	C2H3N3S	003179-31-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
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Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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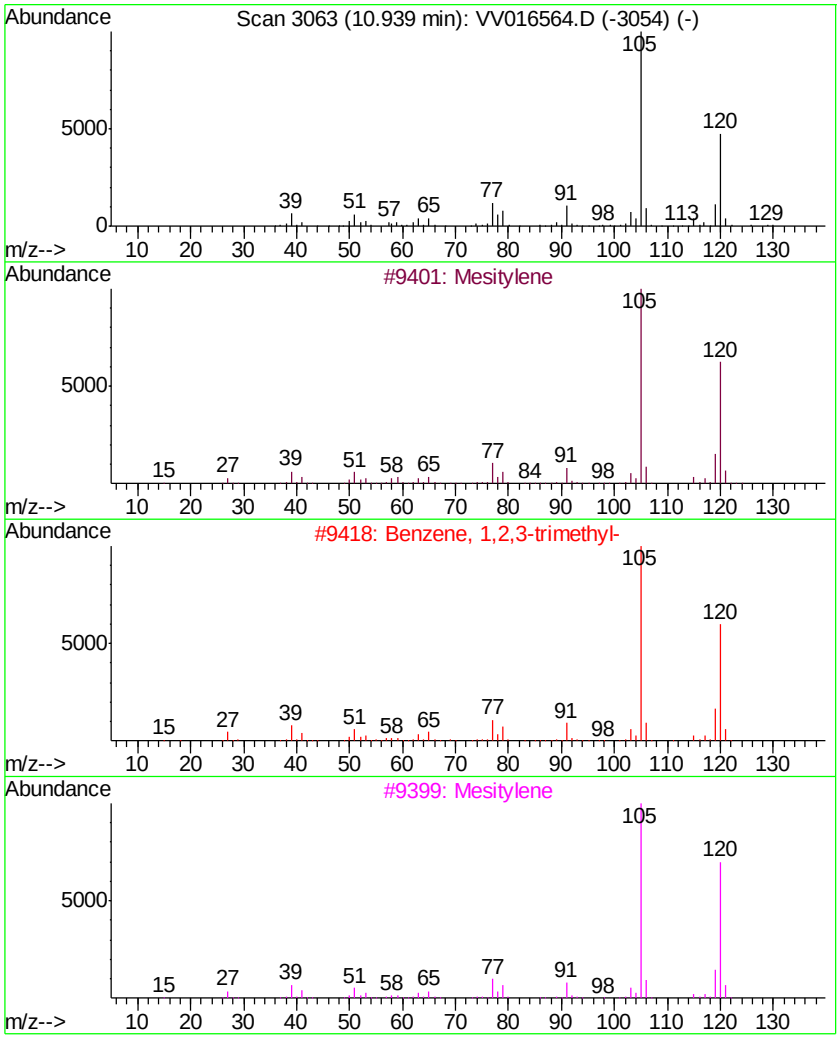
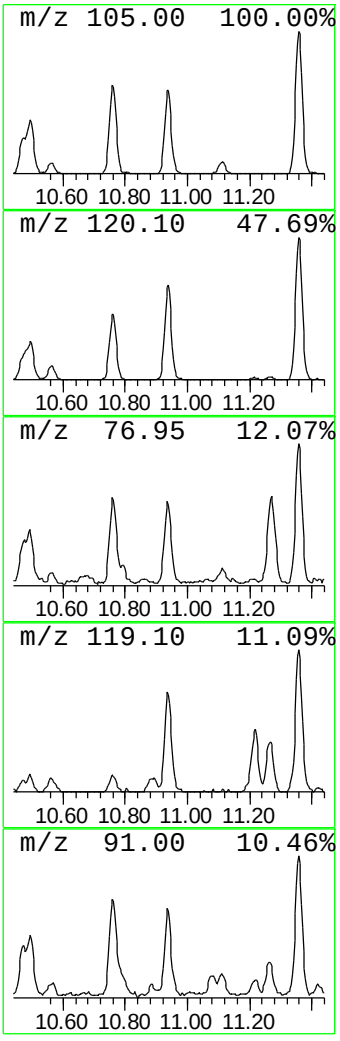
Peak Number 29 Mesitylene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	7.39 ug/L	180716	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

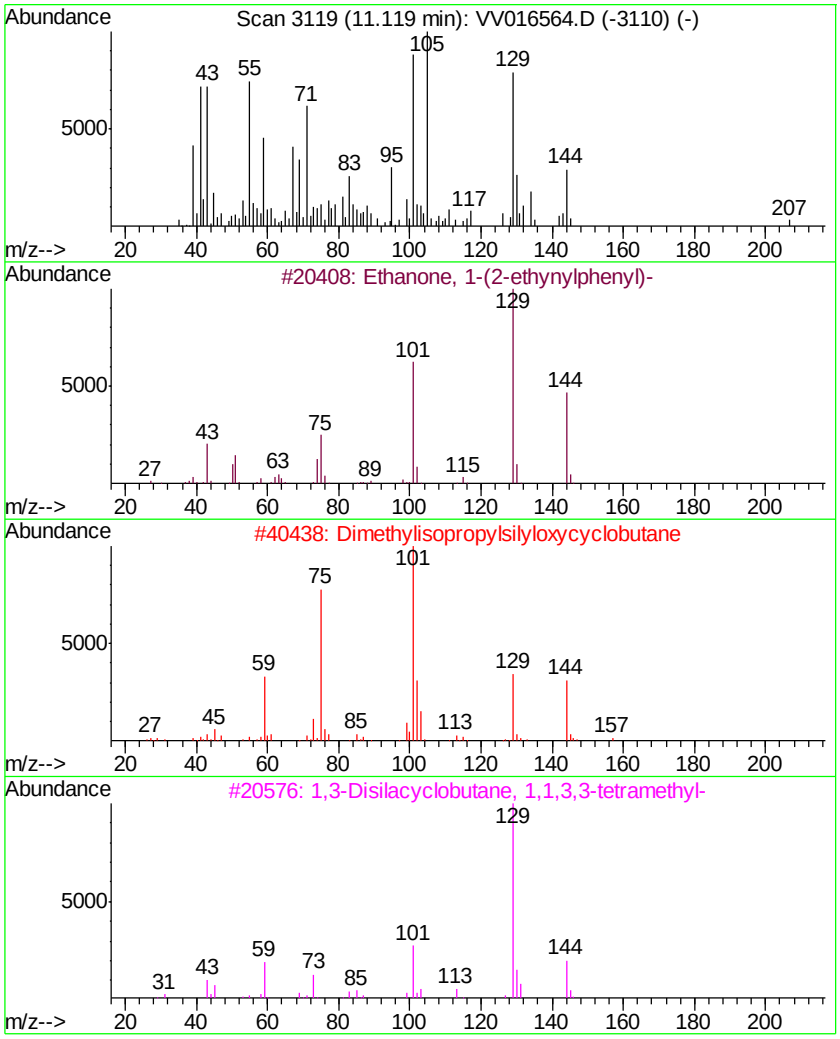
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

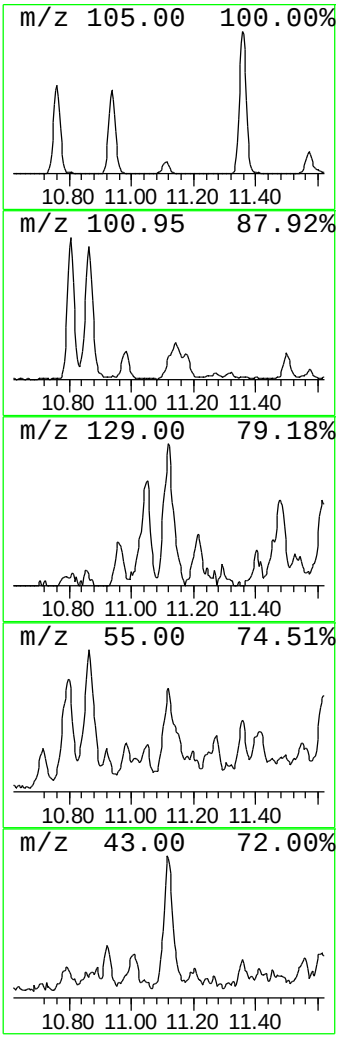
****

Peak Number 30 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	5.38 ug/L	131631	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2-ethynylphenyl)-	144	C10H8O	104190-22-9	38
2	Dimethylisopropylsilyloxycyclobu...	172	C9H20OSi	1000283-06-9	35
3	1,3-Disilacyclobutane, 1,1,3,3-t...	144	C6H16Si2	001627-98-1	22
4	cis-3-Methyl-2-n-propylthiophane	144	C8H16S	118068-76-1	22
5	Benzene, (1-methyl-2-butynyl)-	144	C11H12	087712-69-4	18





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

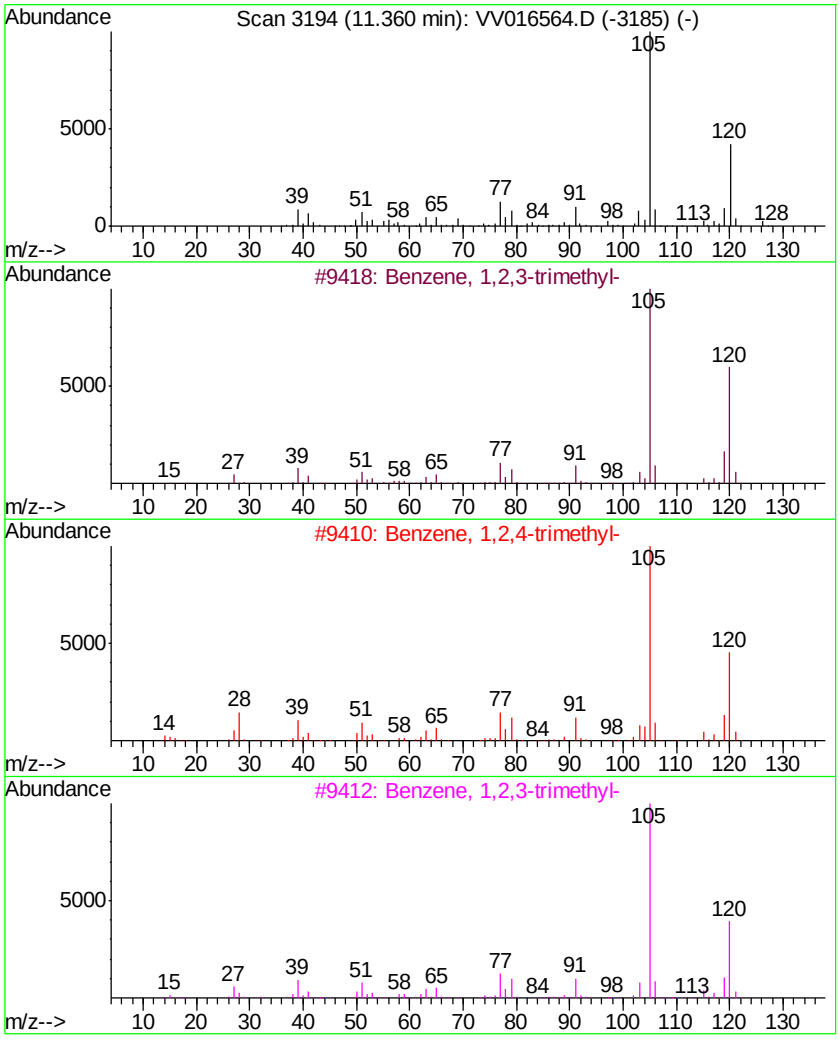
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

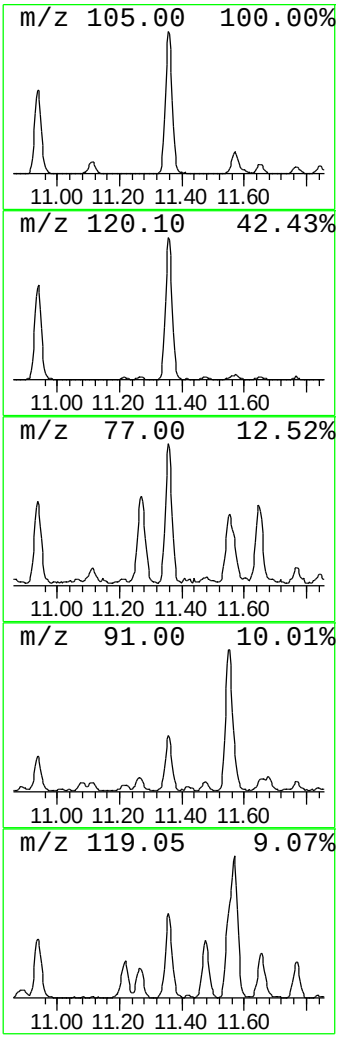
****

Peak Number 31 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	13.63 ug/L	333220	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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

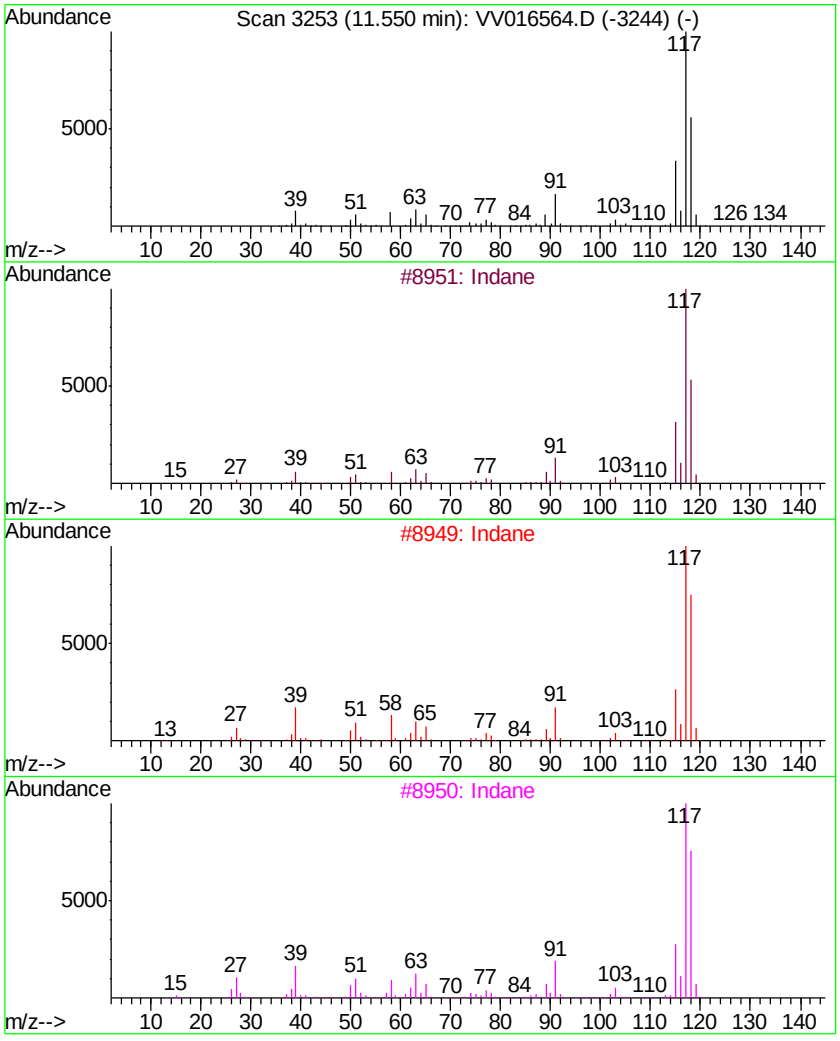
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

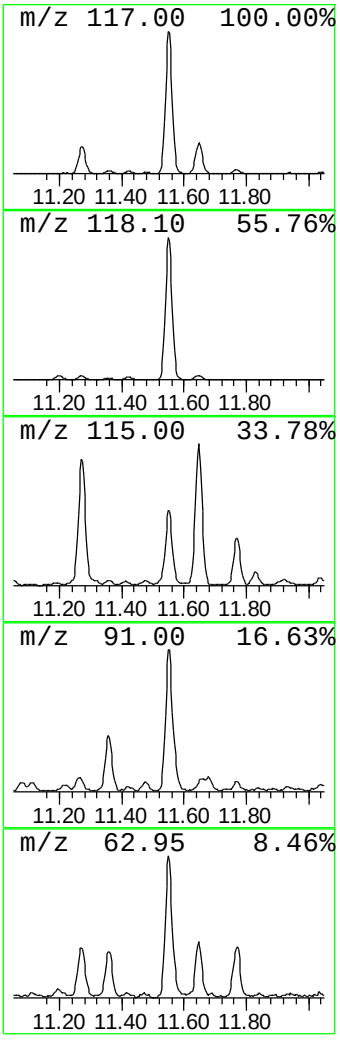
****

Peak Number 32 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	25.44 ug/L	622258	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	90
4	Indane	118	C9H10	000496-11-7	87
5	Deltacyclene	118	C9H10	007785-10-6	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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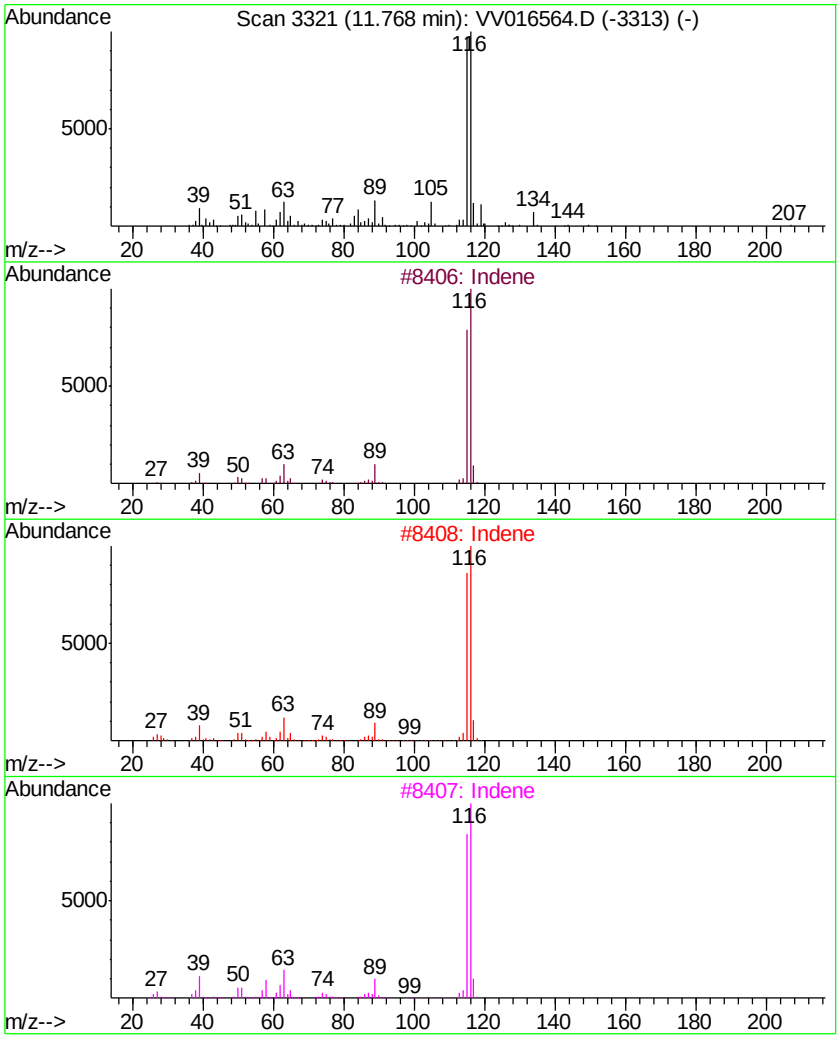
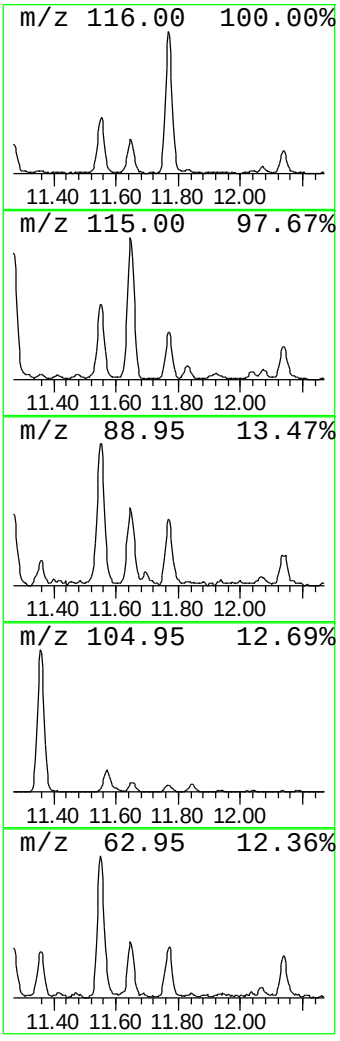
Peak Number 33 Indene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	7.67 ug/L	187575	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Indene	116	C9H8	000095-13-6	94
3	Indene	116	C9H8	000095-13-6	93
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87





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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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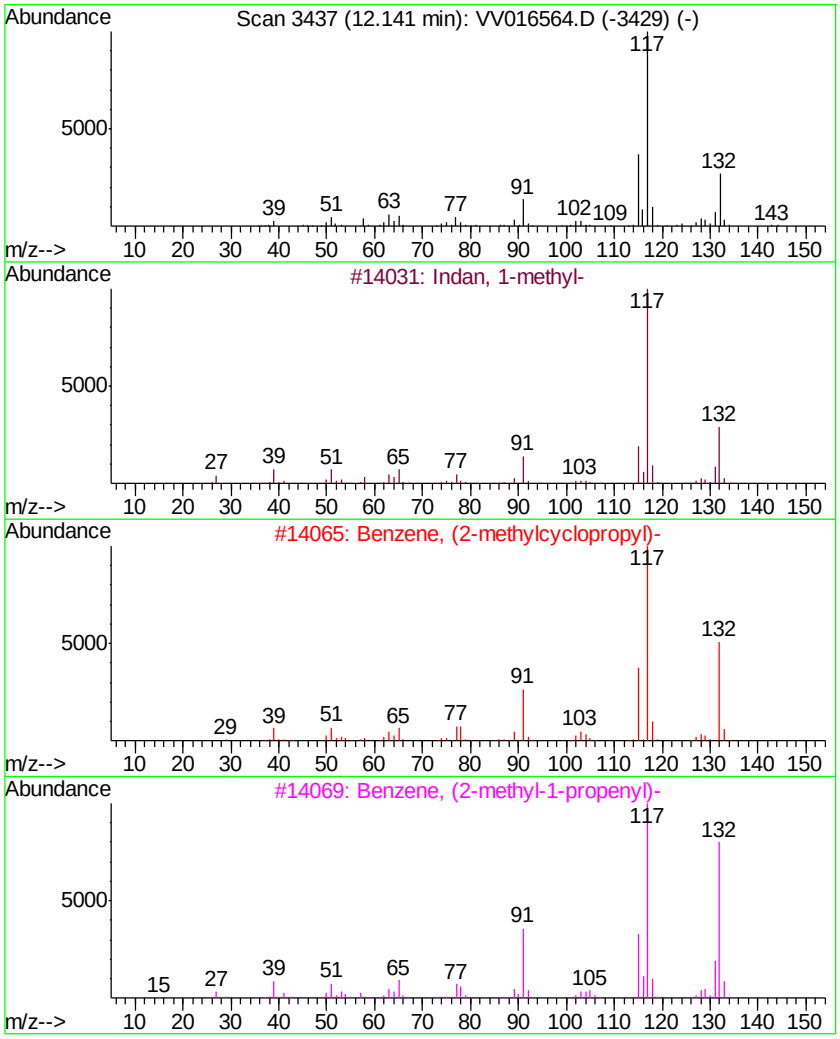
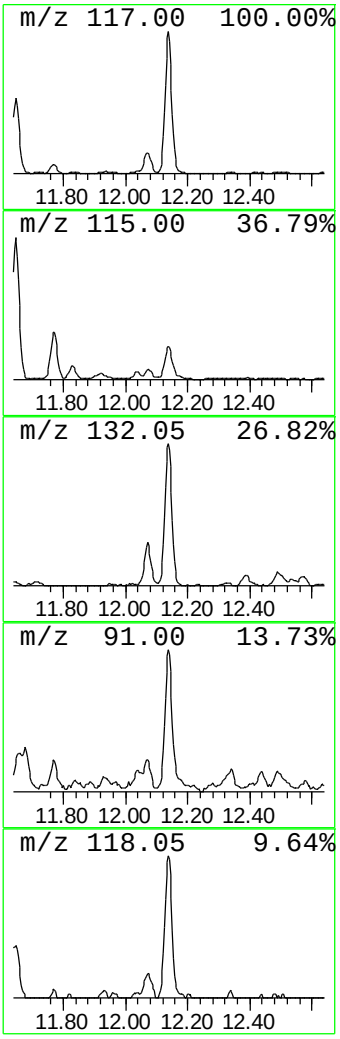
Peak Number 34 Indan, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	11.36 ug/L	277747	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	72





Library Search Compound Report

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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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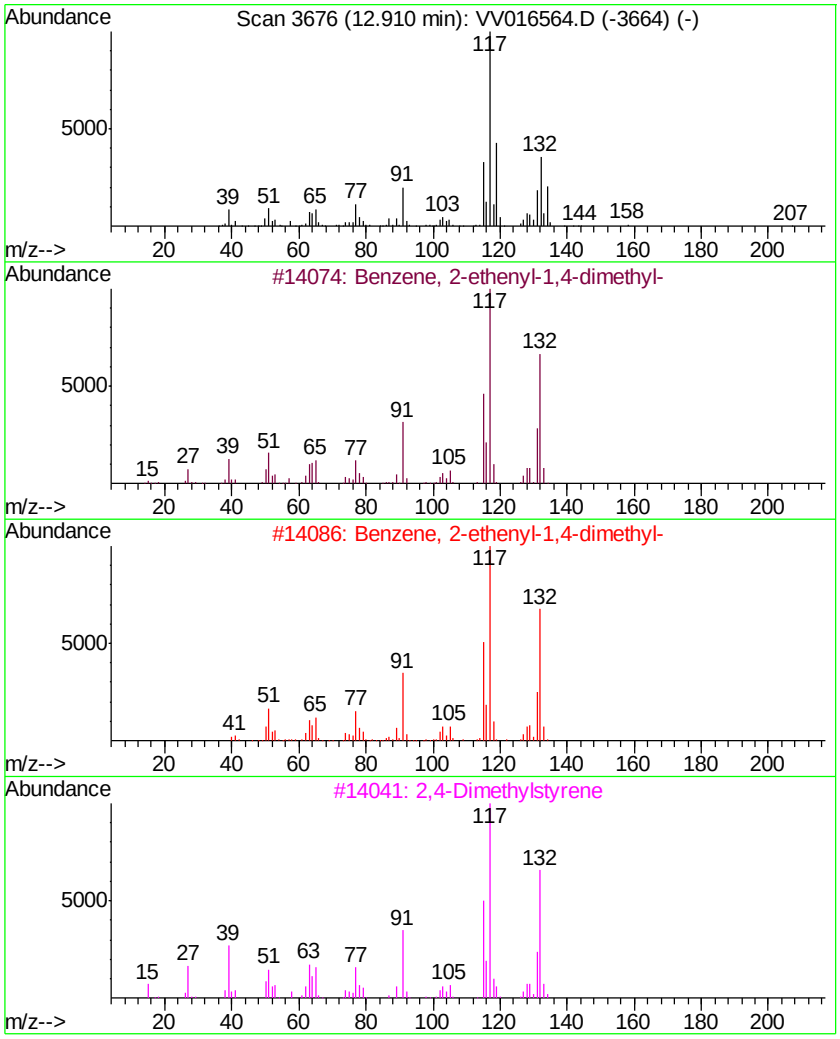
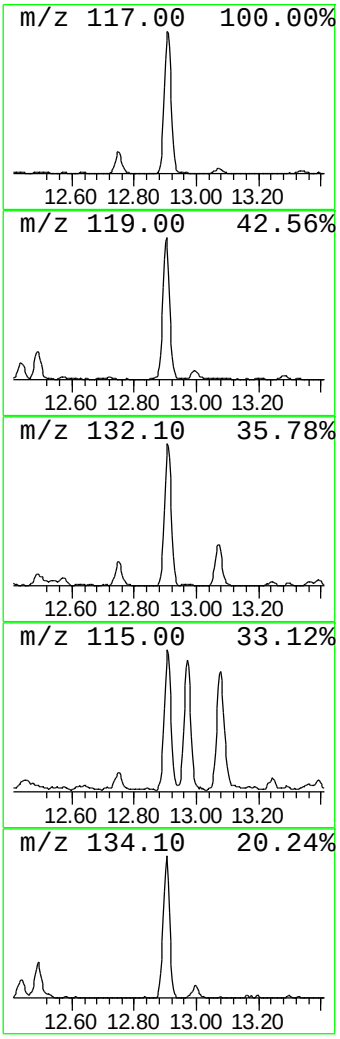
Peak Number 35 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	13.51 ug/L	330269	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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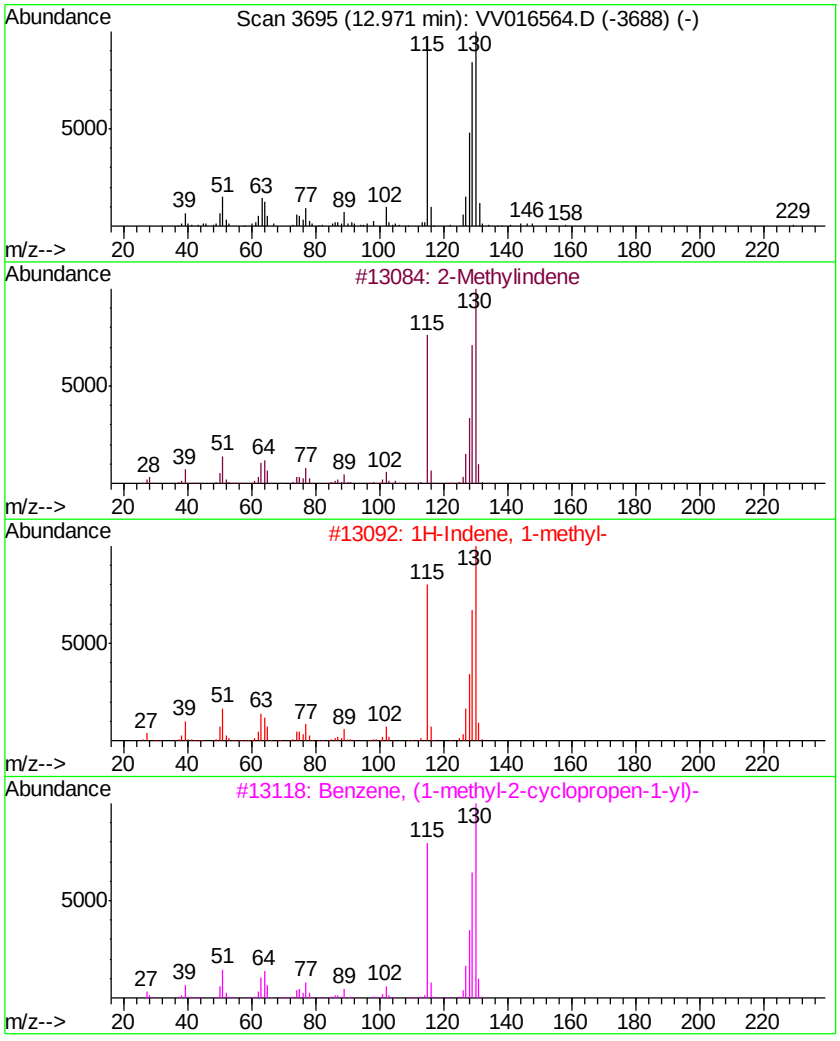
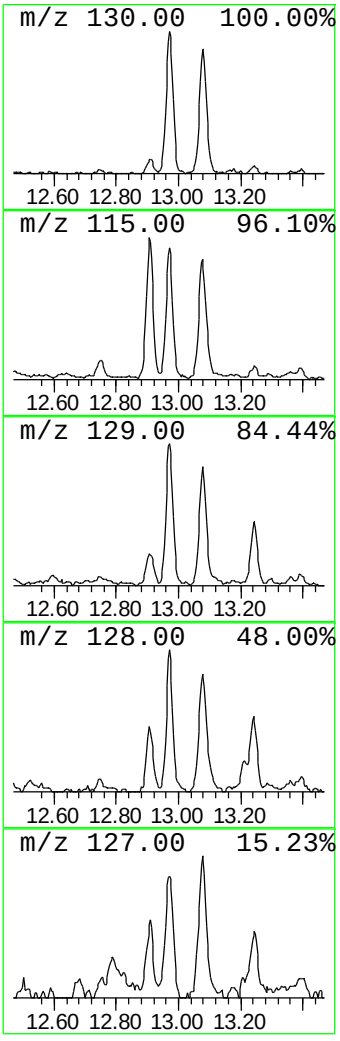
Peak Number 36 2-Methylindene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	5.65 ug/L	138101	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





Library Search Compound Report

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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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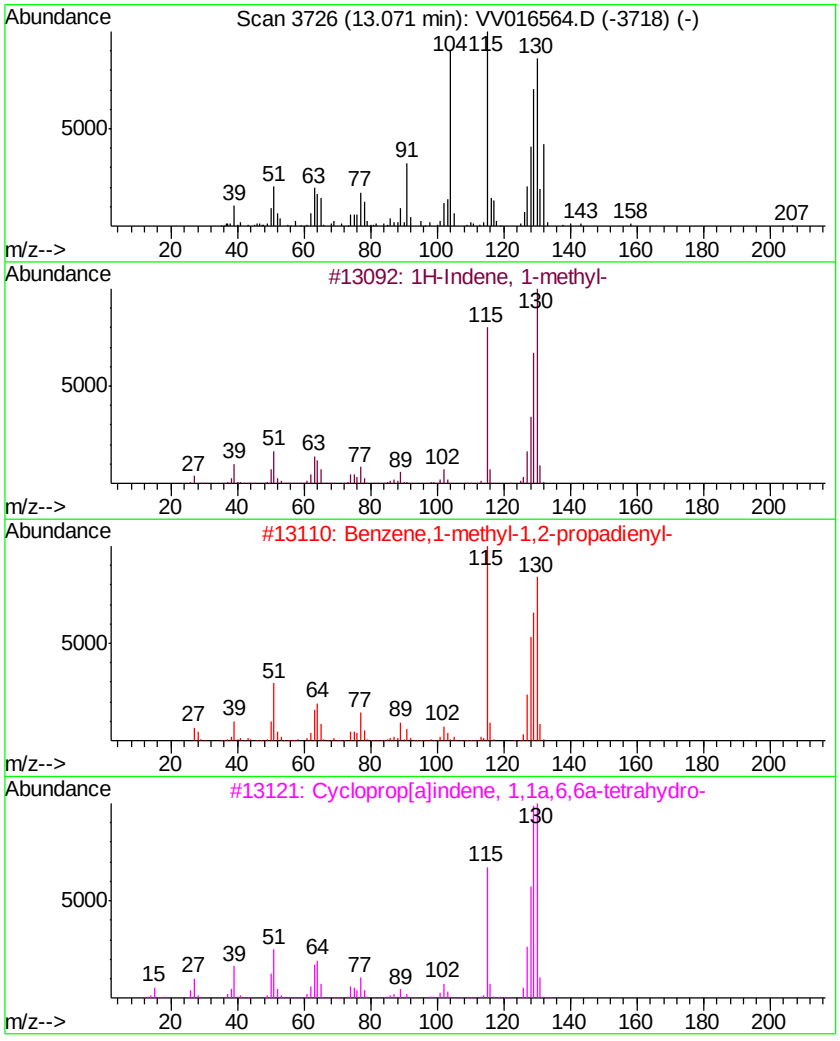
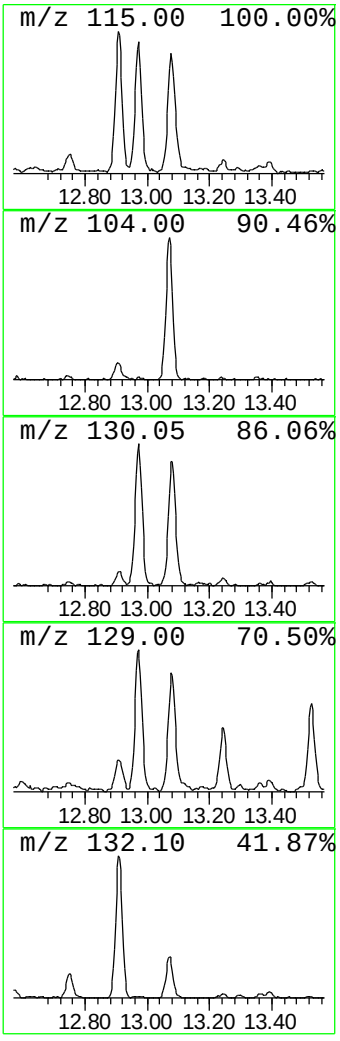
Peak Number 37 1H-Indene, 1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	6.09 ug/L	148905	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	91
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	91
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	86
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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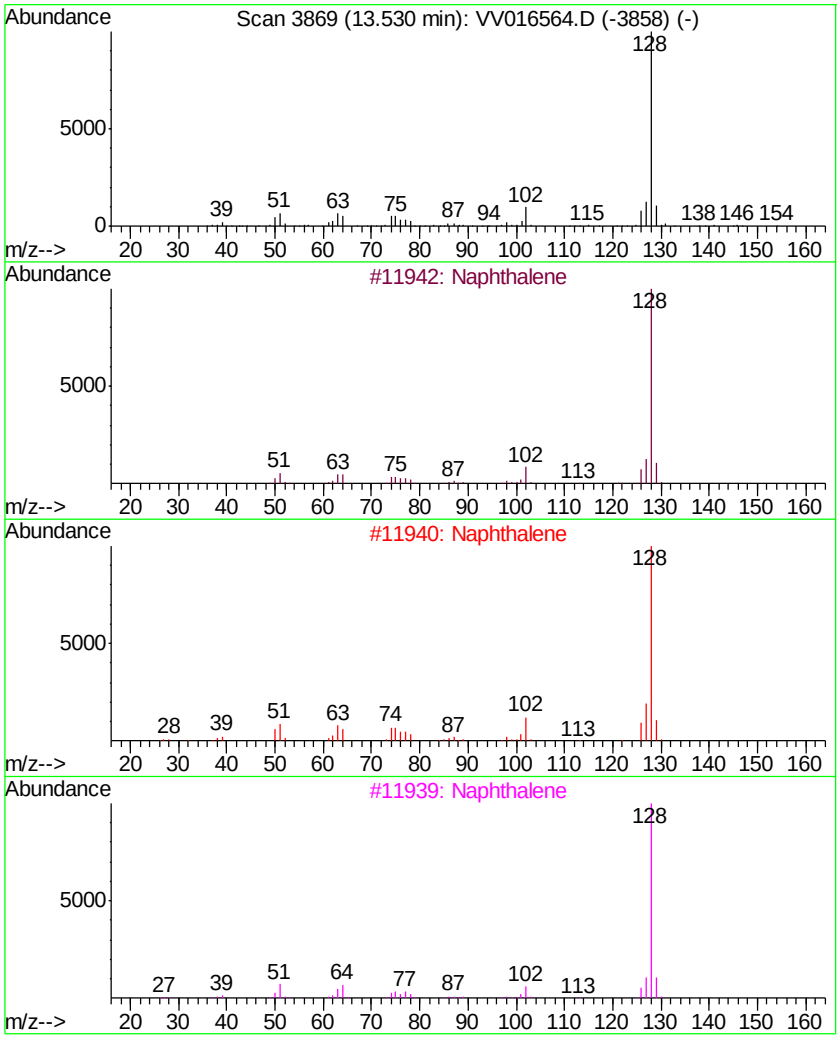
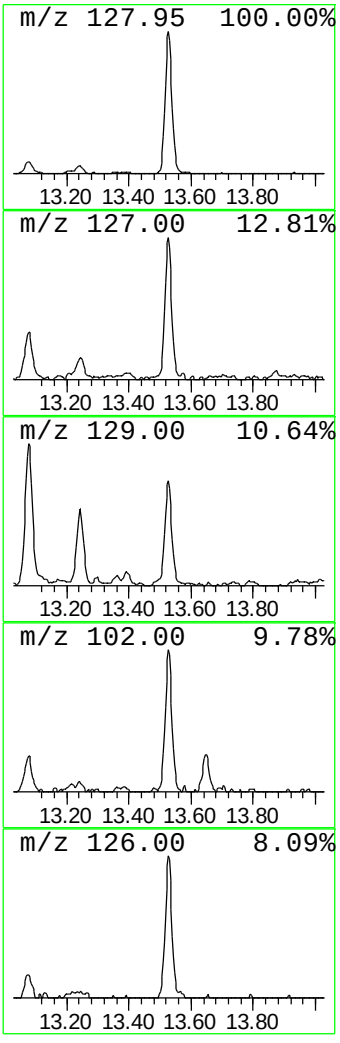
Peak Number 38 Azulene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	8.63 ug/L	211043	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	91
3	Naphthalene	128	C10H8	000091-20-3	91
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





Library Search Compound Report

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Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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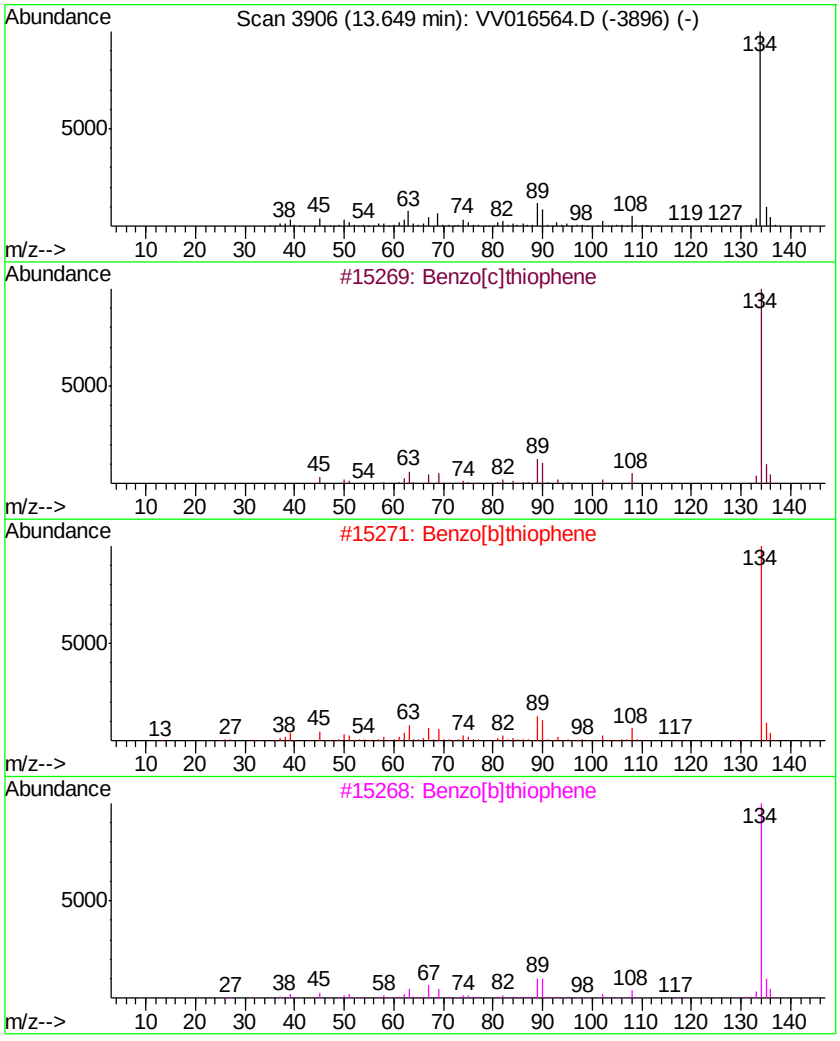
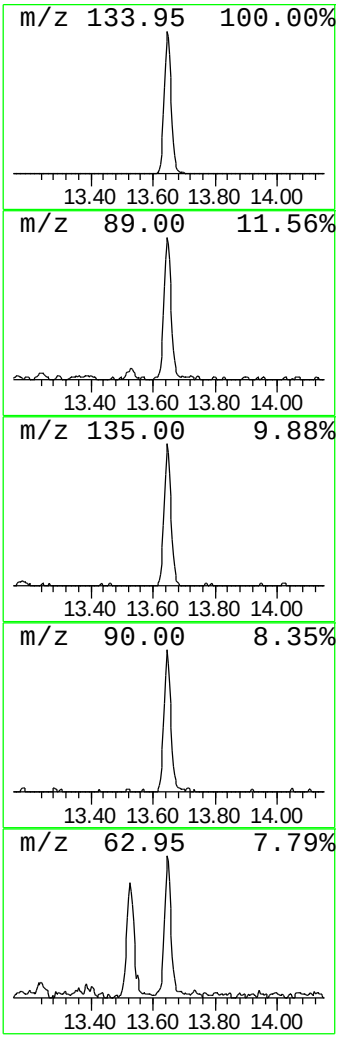
Peak Number 39 Benzo[c]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	9.72 ug/L	237742	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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

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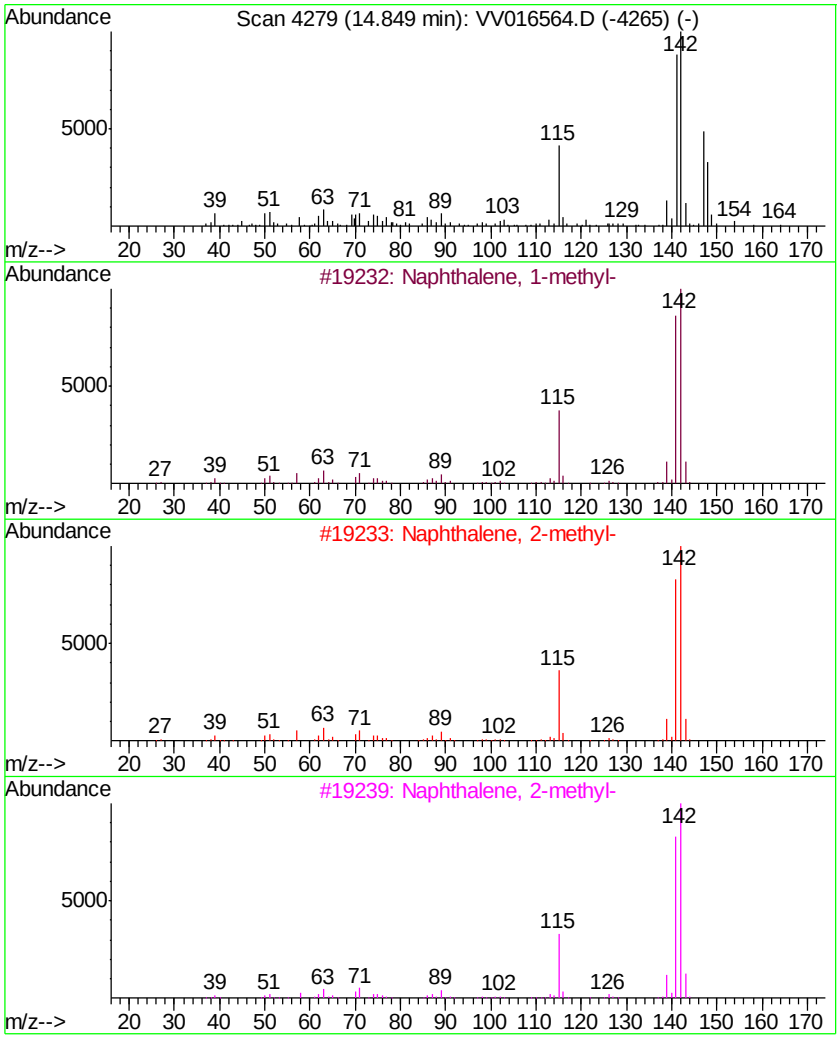
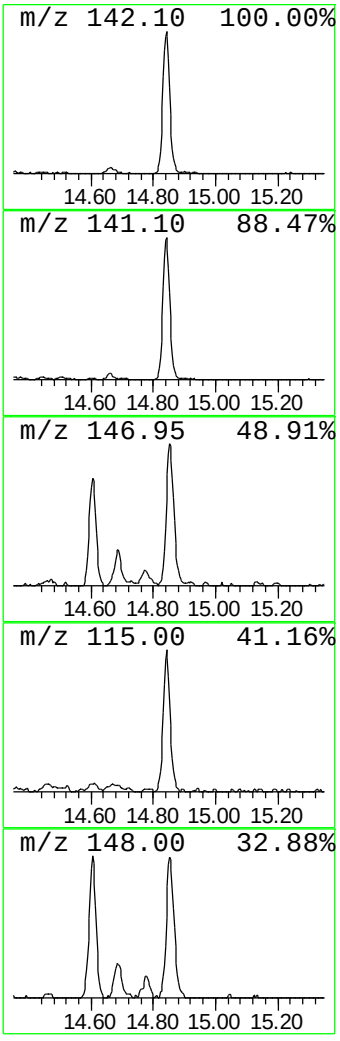
Peak Number 40 Naphthalene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	7.10 ug/L	173753	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
5	Benzocycloheptatriene	142	C11H10	000264-09-5	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016564.D
Acq On : 06 Jun 2020 03:16
Operator : SY/MD
Sample : L2862-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D94

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

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...	1.11	6.5	ug/L	116906	1	5.64	898709	50.0
(DEL) Alkane: Str...	1.22	29.1	ug/L	522628	1	5.64	898709	50.0
(DEL) Alkane: Str...	1.63	75.5	ug/L	1357050	1	5.64	898709	50.0
(DEL) Alkane: Str...	1.81	17.5	ug/L	314661	1	5.64	898709	50.0
(DEL) Alkane: Str...	1.91	3.7	ug/L	66322	1	5.64	898709	50.0
(DEL) Alkane: Str...	2.03	8.8	ug/L	157266	1	5.64	898709	50.0
Cyclopentene	2.49	7.4	ug/L	133446	1	5.64	898709	50.0
(DEL) Alkane: Cyc...	2.59	67.9	ug/L	1219950	1	5.64	898709	50.0
(DEL) Alkane: Str...	2.78	8.6	ug/L	153703	1	5.64	898709	50.0
(DEL) Alkane: Cyc...	3.78	35.7	ug/L	642005	1	5.64	898709	50.0
Thiophene	5.39	30.8	ug/L	553194	1	5.64	898709	50.0
Cyclopentene, 4,4...	6.83	3.1	ug/L	56635	1	5.64	898709	50.0
Cyclohexene, 3-me...	7.19	2.9	ug/L	52709	1	5.64	898709	50.0
Thiophene, 2-methyl-	7.54	4.8	ug/L	101709	2	8.87	1053550	50.0
Thiophene, 3-methyl-	7.72	3.7	ug/L	78407	2	8.87	1053550	50.0
Thiophene, tetrah...	8.24	5.8	ug/L	122722	2	8.87	1053550	50.0
3-Methyl-2-butene...	8.77	6.1	ug/L	128859	2	8.87	1053550	50.0
Thiophene, tetrah...	9.28	10.8	ug/L	226973	2	8.87	1053550	50.0
Thiophene, 2,4-di...	9.33	13.2	ug/L	279083	2	8.87	1053550	50.0
Thiazole, 4,5-dih...	9.41	12.0	ug/L	252171	2	8.87	1053550	50.0
trans-2,3-Dimethy...	9.47	13.3	ug/L	279406	2	8.87	1053550	50.0
cis-2,3-Dimethylt...	9.74	6.4	ug/L	134210	2	8.87	1053550	50.0
Thiophene, tetrah...	9.88	7.8	ug/L	164840	2	8.87	1053550	50.0
2H-Thiopyran, tet...	10.11	5.5	ug/L	134152	3	11.27	1222770	50.0
Thiocyanic acid, ...	10.43	6.7	ug/L	162926	3	11.27	1222770	50.0
Benzene, 1-ethyl-...	10.76	7.4	ug/L	180993	3	11.27	1222770	50.0
trans-2-Ethyl-3-m...	10.86	7.6	ug/L	185060	3	11.27	1222770	50.0
Mesitylene	10.94	7.4	ug/L	180716	3	11.27	1222770	50.0
unknown-01	11.12	5.4	ug/L	131631	3	11.27	1222770	50.0
Benzene, 1,2,3-tr...	11.36	13.6	ug/L	333220	3	11.27	1222770	50.0
Indane	11.55	25.4	ug/L	622258	3	11.27	1222770	50.0
Indene	11.77	7.7	ug/L	187575	3	11.27	1222770	50.0
Indan, 1-methyl-	12.14	11.4	ug/L	277747	3	11.27	1222770	50.0
Benzene, 2-etheny...	12.91	13.5	ug/L	330269	3	11.27	1222770	50.0
2-Methylindene	12.97	5.7	ug/L	138101	3	11.27	1222770	50.0
1H-Indene, 1-methyl-	13.07	6.1	ug/L	148905	3	11.27	1222770	50.0
Azulene	13.53	8.6	ug/L	211043	3	11.27	1222770	50.0
Benzo[c]thiophene	13.65	9.7	ug/L	237742	3	11.27	1222770	50.0
Naphthalene, 1-me...	14.85	7.1	ug/L	173753	3	11.27	1222770	50.0