LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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	136566	120229	0.12%	0.090%
2	1.222	34	41	59	rVB	573843	535967	0.54%	0.400%
3	1.315	60	70	79	rBV	1433291	1408705	1.43%	1.051%
4	1.360	80	84	90	rVB2	44258	42922	0.04%	0.032%
5	1.422	98	103	110	rBV	40629	36307	0.04%	0.027%
6	1.560	137	146	157	rVV	141223	183432	0.19%	0.137%
7	1.627	158	167	190	rVB	1170216	1521536	1.55%	1.135%
8	1.769	205	211	215	rBV	35766	41199	0.04%	0.031%
9	1.807	216	223	239	rVB	289835	381908	0.39%	0.285%
10	1.904	246	253	265	rVB	56728	74841	0.08%	0.056%
11	1.987	273	279	285	rBV2	22444	26430	0.03%	0.020%
12	2.032	285	293	306	rVB	103830	150836	0.15%	0.113%
13	2.116	309	319	333	rBV	314349	468419	0.48%	0.349%
14	2.296	369	375	377	rBV6	2793	2779	0.00%	0.002%
15	2.454	411	424	426	rBV5	14248	25717	0.03%	0.019%
16	2.492	428	436	446	rBV3	63365	139137	0.14%	0.104%
17	2.589	456	466	486	rVB	712510	1303909	1.32%	0.973%
18	2.775	510	524	539	rVV	92374	190334	0.19%	0.142%
19	2.965	577	583	599	rVB	5358	11199	0.01%	0.008%
20	3.058	599	612	622	rBV3	11737	23707	0.02%	0.018%
21	3.174	644	648	656	rVB8	4562	6735	0.01%	0.005%
22	3.238	656	668	669	rBV7	9049	10813	0.01%	0.008%
23	3.293	679	685	699	rVB4	14505	28975	0.03%	0.022%
24	3.389	701	715	721	rBV10	8088	18602	0.02%	0.014%
25	3.454	727	735	749	rVB3	18365	36828	0.04%	0.027%
26	3.602	771	781	793	rVB3	5507	12335	0.01%	0.009%
27	3.785	820	838	858	rBV2	297281	750212	0.76%	0.560%
28	3.894	862	872	904	rVB	121697	313695	0.32%	0.234%
29	4.116	936	941	944	rVV6	2183	2803	0.00%	0.002%
30	4.373	1005	1021	1045	rVV	248359	615571	0.63%	0.459%
31	4.701	1105	1123	1142	rBV	383200	964837	0.98%	0.720%
32	4.974	1189	1208	1221	rBV5	17357	45863	0.05%	0.034%
33	5.138	1221	1259	1278	rBV2	38689302	98453286	100.00%	73.449%
34	5.386	1327	1336	1352	rVB	276764	558283	0.57%	0.416%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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	5.640	1402	1415	1437	rBV	466084	930633	0.95%	0.694%
36	5.939	1499	1508	1509	rBV7	6252	7399	0.01%	0.006%
37	6.093	1539	1556	1568	rBV	344804	705253	0.72%	0.526%
38	6.383	1641	1646	1660	rVB8	8907	17823	0.02%	0.013%
39	6.572	1692	1705	1708	rBV3	21851	37710	0.04%	0.028%
40	6.826	1768	1784	1797	rBV2	32848	65993	0.07%	0.049%
41	7.007	1828	1840	1858	rBV	207547	378841	0.38%	0.283%
42	7.093	1861	1867	1880	rVB8	11002	19175	0.02%	0.014%
43	7.187	1882	1896	1905	rVV6	21860	54523	0.06%	0.041%
44	7.244	1906	1914	1927	rVV2	42996	78788	0.08%	0.059%
45	7.338	1931	1943	1954	rBV	730110	1245071	1.26%	0.929%
46	7.408	1955	1965	1980	rVB	769627	1308742	1.33%	0.976%
47	7.543	2001	2007	2022	rVB	60035	102809	0.10%	0.077%
48	7.640	2029	2037	2053	rVB	137726	226680	0.23%	0.169%
49	7.717	2053	2061	2071	rBV	47263	80556	0.08%	0.060%
50	7.868	2099	2108	2120	rVB3	19585	36651	0.04%	0.027%
51	8.106	2171	2182	2209	rBV	468861	794675	0.81%	0.593%
52	8.238	2214	2223	2238	rVV2	70385	131499	0.13%	0.098%
53	8.531	2304	2314	2315	rBV8	7979	8040	0.01%	0.006%
54	8.662	2348	2355	2365	rVB8	5801	9959	0.01%	0.007%
55	8.765	2375	2387	2401	rBV5	53383	122459	0.12%	0.091%
56	8.875	2411	2421	2428	rBV	691946	1079531	1.10%	0.805%
57	8.916	2429	2434	2451	rVB	343160	543389	0.55%	0.405%
58	9.032	2458	2470	2485	rBV	4219338	6426760	6.53%	4.795%
59	9.129	2492	2500	2502	rBV	115665	141163	0.14%	0.105%
60	9.161	2503	2510	2527	rVB	574403	989334	1.00%	0.738%
61	9.283	2538	2548	2555	rBV2	132167	221694	0.23%	0.165%
62	9.328	2556	2562	2576	rVV4	165917	298945	0.30%	0.223%
63	9.405	2577	2586	2597	rVV	160517	260078	0.26%	0.194%
64	9.473	2598	2607	2616	rVV3	162149	301161	0.31%	0.225%
65	9.521	2617	2622	2627	rVV	73643	101085	0.10%	0.075%
66	9.566	2628	2636	2649	rVB	334951	516721	0.52%	0.385%
67	9.740	2681	2690	2701	rVB3	78538	136188	0.14%	0.102%
68	9.884	2727	2735	2745	rVB3	106458	166446	0.17%	0.124%
69	9.955	2748	2757	2765	rBV	102270	150158	0.15%	0.112%
70	10.103	2795	2803	2820	rVB3	73685	135584	0.14%	0.101%
71	10.238	2821	2845	2858	rBV	543362	946730	0.96%	0.706%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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	10.376	2883	2888	2897	rVB	81386	115238	0.12%	0.086%
73	10.431	2899	2905	2912	rVB	121058	158132	0.16%	0.118%
74	10.479	2913	2920	2921	rBV3	53150	62751	0.06%	0.047%
75	10.759	2999	3007	3013	rBV	136024	221803	0.23%	0.165%
76	10.862	3033	3039	3052	rVB5	113215	195513	0.20%	0.146%
77	10.936	3054	3062	3071	rBV	150245	225136	0.23%	0.168%
78	11.116	3110	3118	3134	rBV6	60375	139818	0.14%	0.104%
79	11.270	3156	3166	3184	rVB	811323	1268973	1.29%	0.947%
80	11.357	3185	3193	3203	rBV	264283	382028	0.39%	0.285%
81	11.553	3244	3254	3266	rBV	417181	688407	0.70%	0.514%
82	11.646	3274	3283	3294	rVB	795715	1200524	1.22%	0.896%
83	11.772	3313	3322	3332	rBV2	124227	198851	0.20%	0.148%
84	12.138	3429	3436	3455	rVB	189325	317639	0.32%	0.237%
85	12.907	3665	3675	3686	rBV2	250043	390859	0.40%	0.292%
86	12.971	3688	3695	3712	rVB	87378	154622	0.16%	0.115%
87	13.074	3718	3727	3740	rVB4	96921	168935	0.17%	0.126%
88	13.244	3773	3780	3788	rVB3	30834	48422	0.05%	0.036%
89	13.527	3859	3868	3878	rBV	150052	223490	0.23%	0.167%
90	13.646	3895	3905	3918	rBV	149894	242753	0.25%	0.181%
91	13.839	3960	3965	3967	rBV6	2759	2618	0.00%	0.002%
92	13.874	3968	3976	3982	rVV6	8675	15355	0.02%	0.011%
93	14.064	4029	4035	4037	rBV6	6335	6609	0.01%	0.005%
94	14.112	4045	4050	4062	rVB9	6462	10895	0.01%	0.008%
95	14.173	4063	4069	4076	rBV7	7829	11647	0.01%	0.009%
96	14.318	4107	4114	4125	rVB2	25061	37716	0.04%	0.028%
97	14.460	4151	4158	4170	rVB2	15688	26136	0.03%	0.019%
98	14.604	4194	4203	4213	rBV	29340	44437	0.05%	0.033%
99	14.665	4215	4222	4223	rBV6	4585	5108	0.01%	0.004%
100	14.845	4267	4278	4295	rVB2	104539	192449	0.20%	0.144%

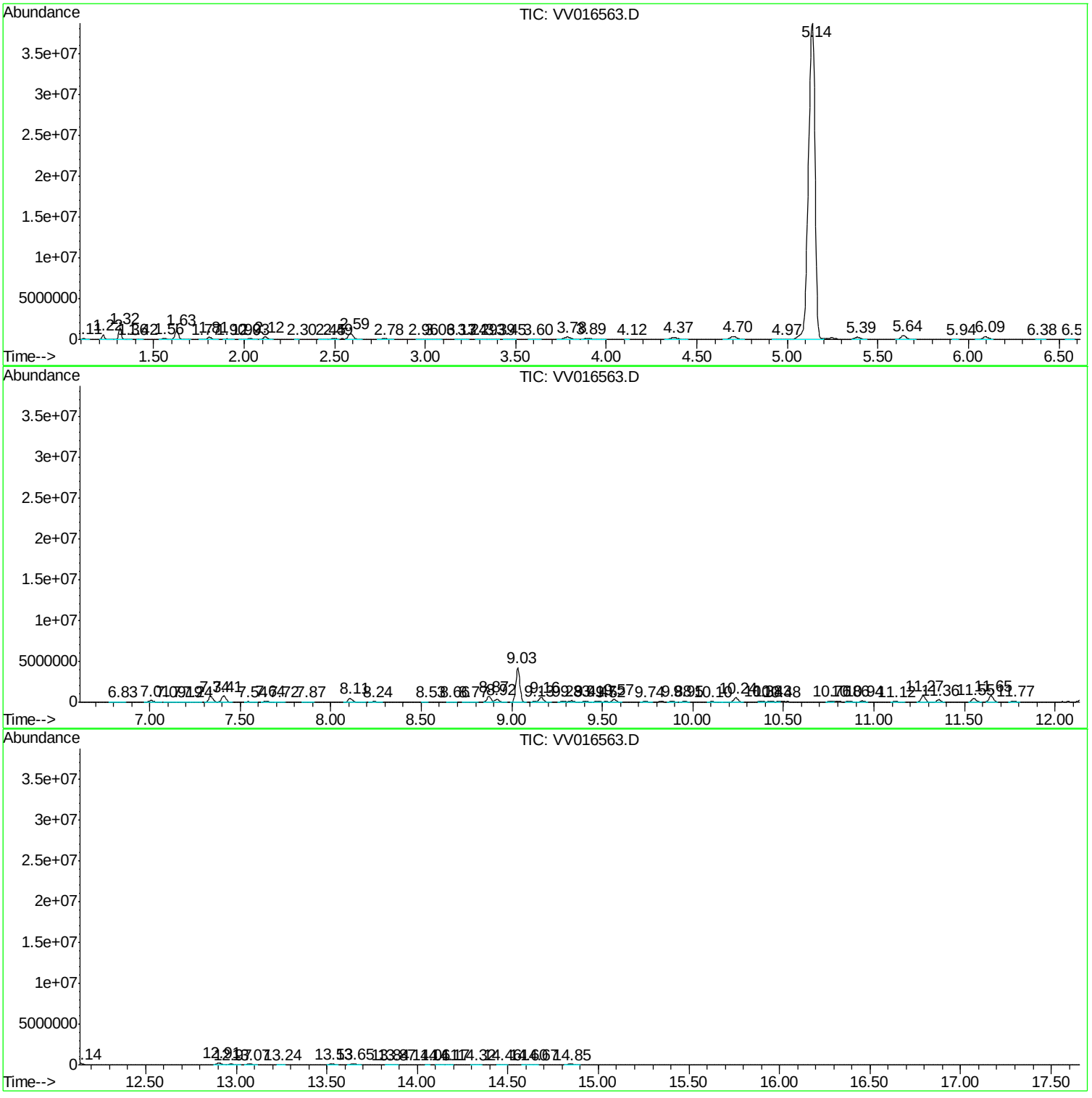
Sum of corrected areas: 134043461

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9D92

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

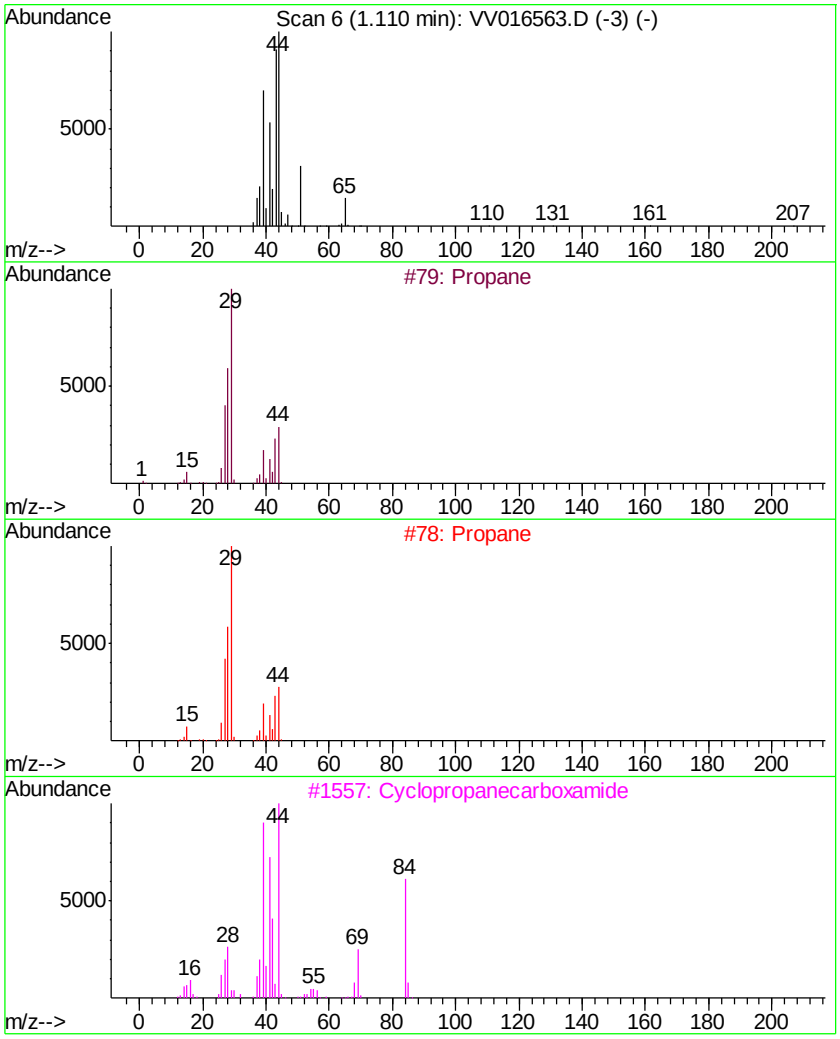
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

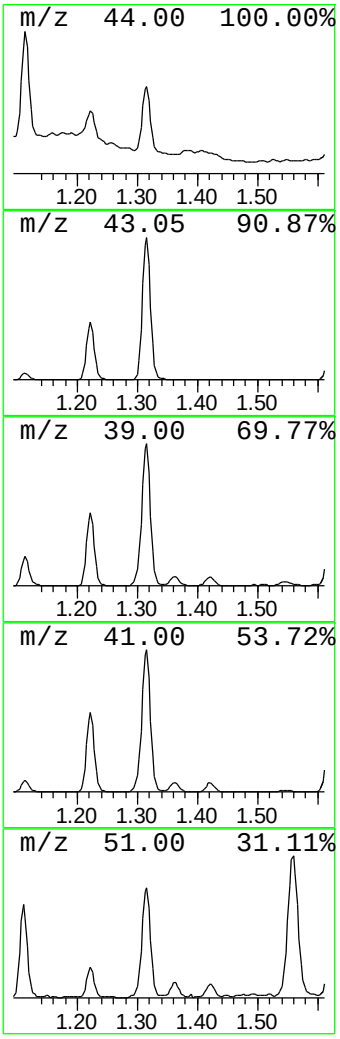
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.11	6.46 ug/L	120229	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	72
2	Propane	44	C3H8	000074-98-6	72
3	Cyclopropanecarboxamide	85	C4H7NO	006228-73-5	39
4	2-Hexynoic acid	112	C6H8O2	000764-33-0	39
5	Acetoacetic acid, 1-thio-, S-all...	158	C7H10O2S	015780-65-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

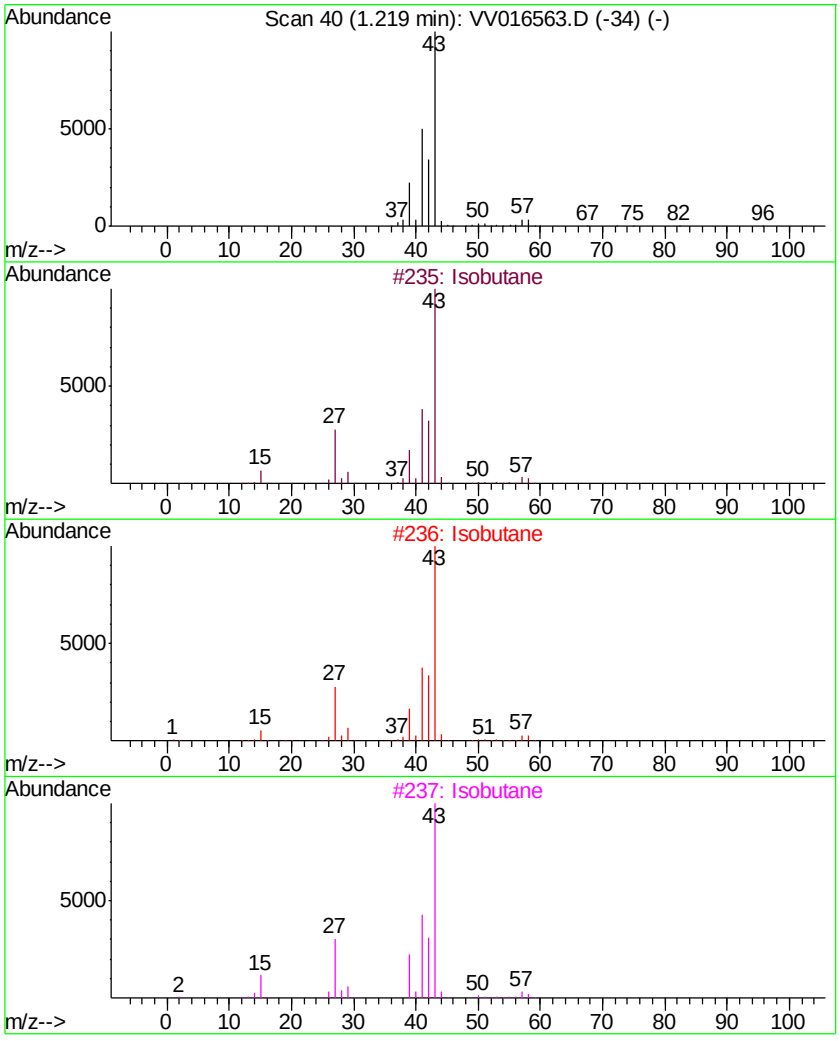
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

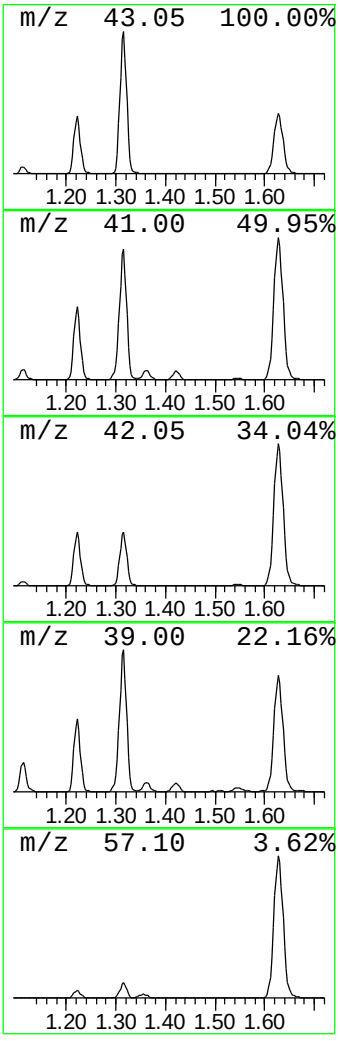
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	28.80 ug/L	535967	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	80
2	Isobutane	58	C4H10	000075-28-5	72
3	Isobutane	58	C4H10	000075-28-5	72
4	Isobutane	58	C4H10	000075-28-5	59
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 : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

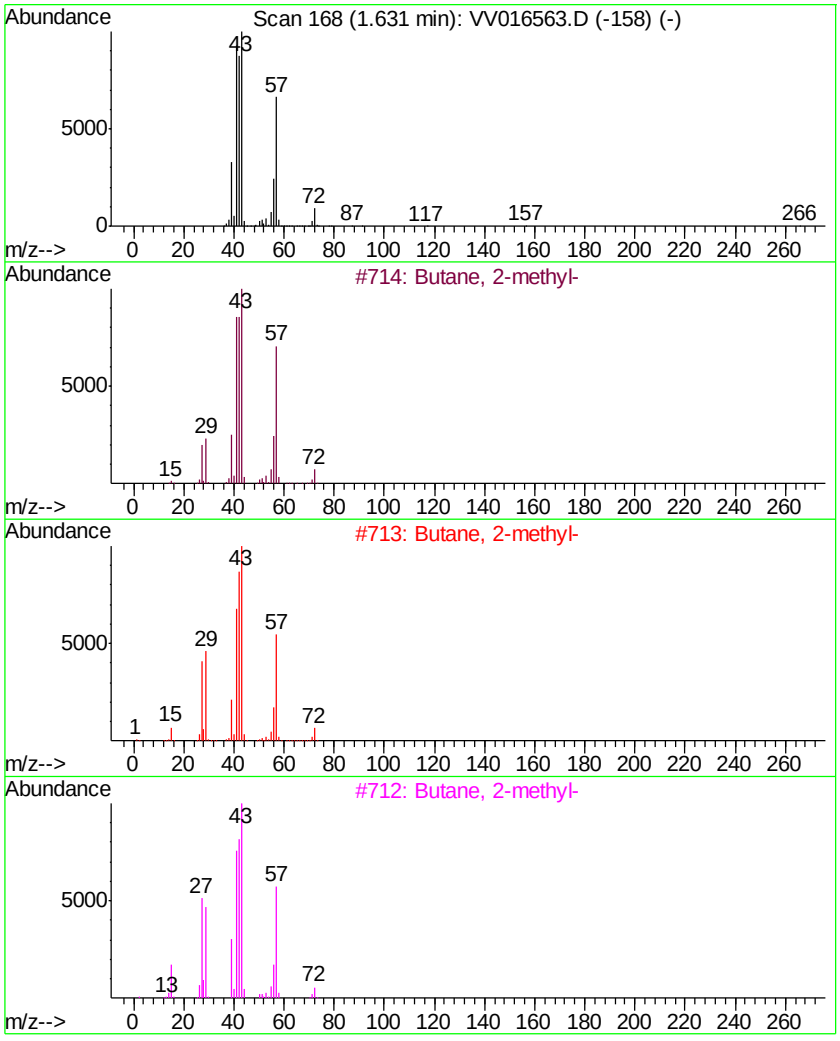
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

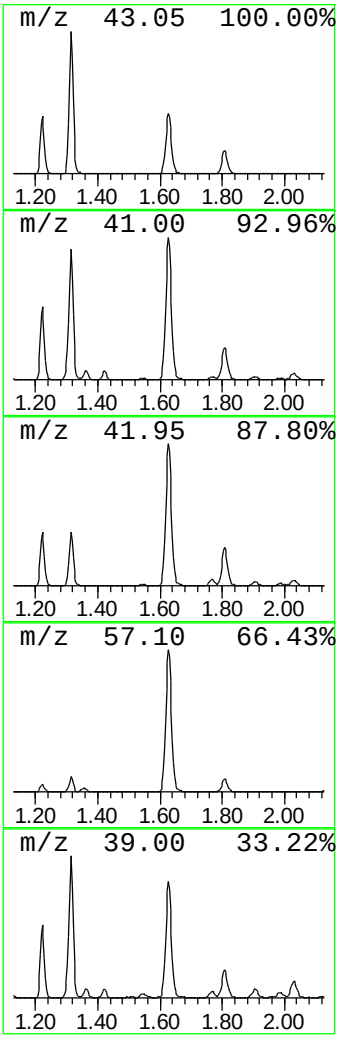
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.63	81.75 ug/L	1521540	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	50
5	Pentane	72	C5H12	000109-66-0	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

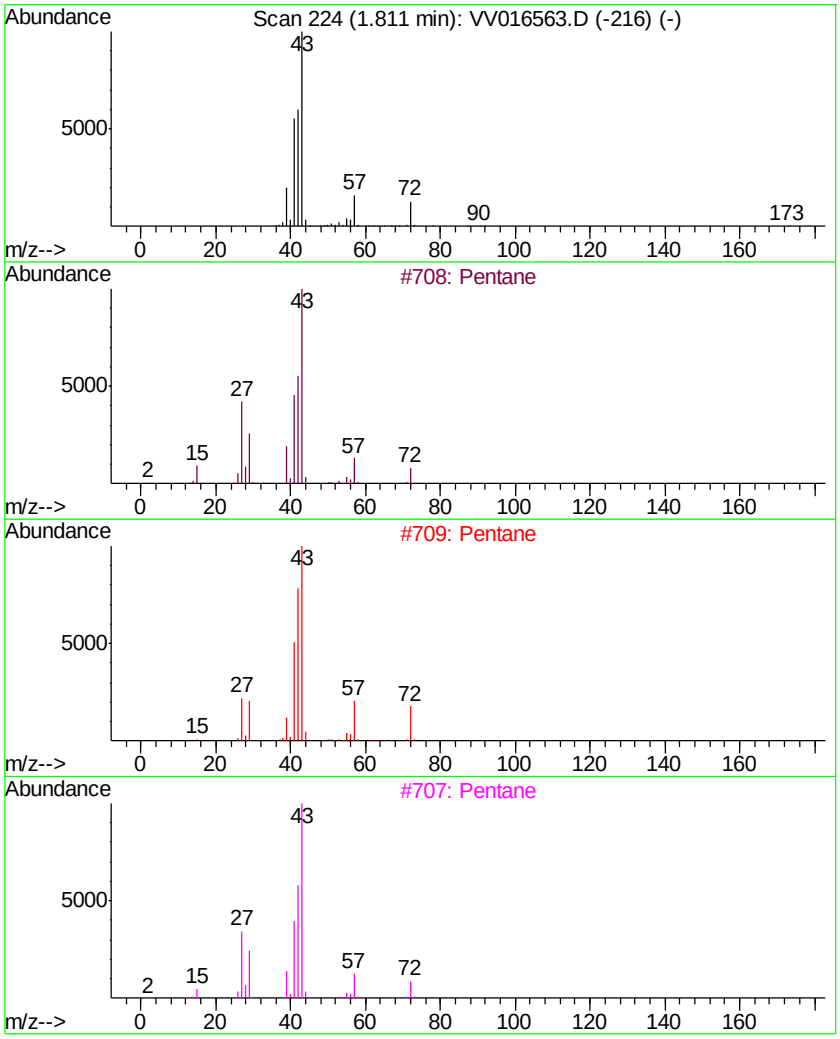
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

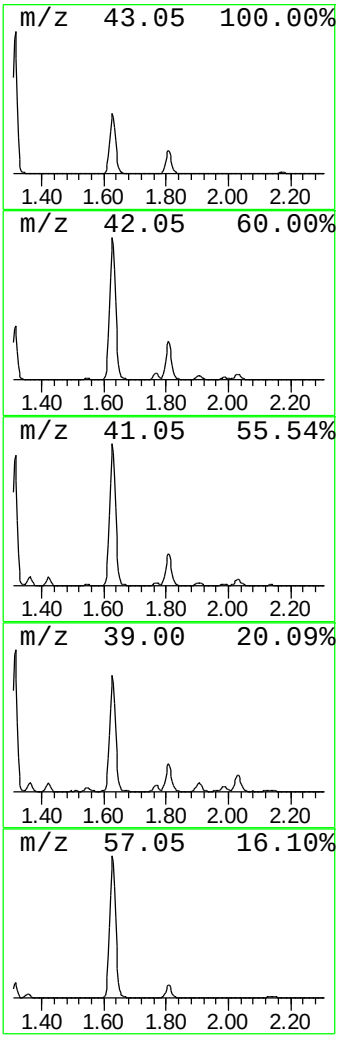
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.81	20.52 ug/L	381908	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	64
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

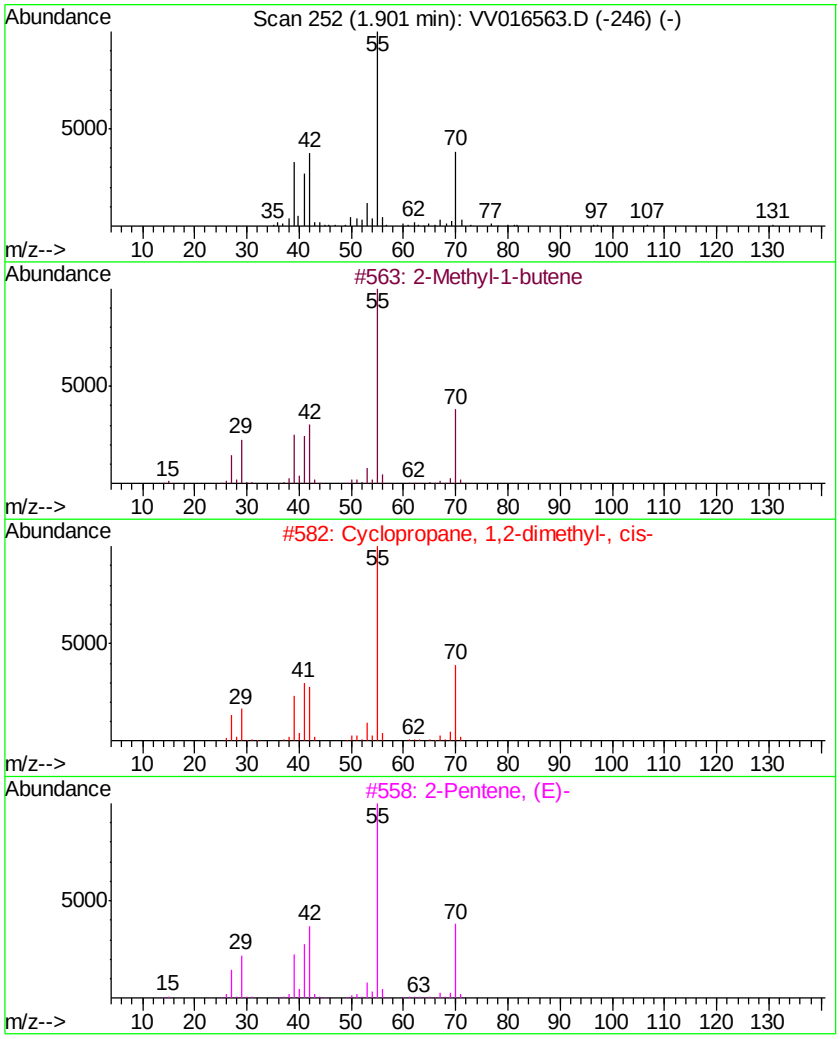
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

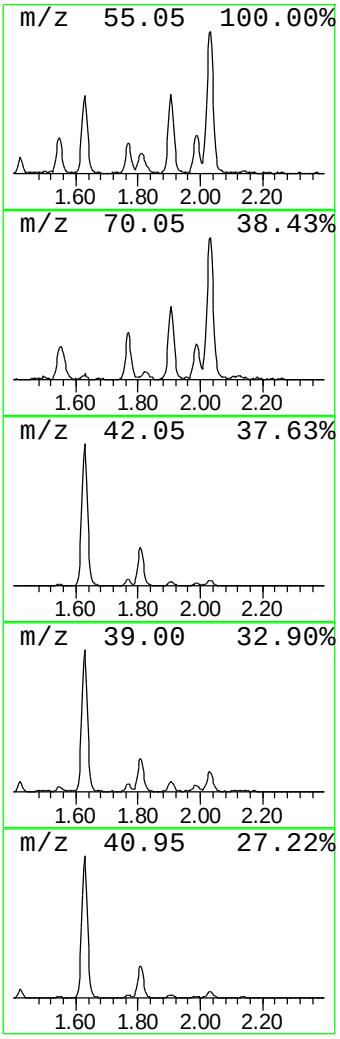
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.90	4.02 ug/L	74841	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	90
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3	2-Pentene, (E)-	70	C5H10	000646-04-8	90
4	2-Pentene	70	C5H10	000109-68-2	90
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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

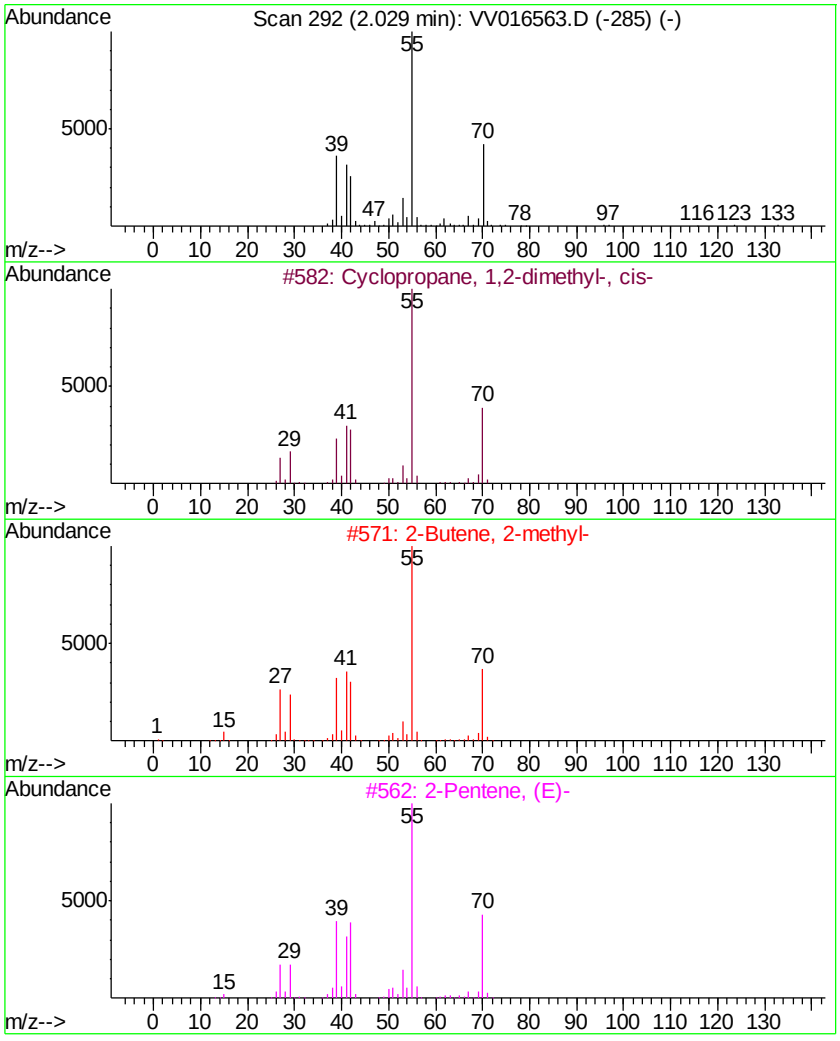
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

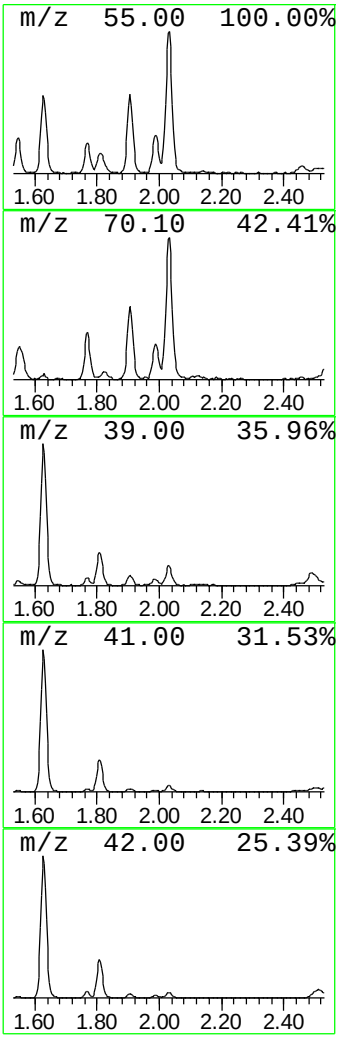
****

Peak Number 6 (DEL) Alkane: Cyclic2.03 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.03	8.10 ug/L	150836	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
3	2-Pentene, (E)-	70	C5H10	000646-04-8	87
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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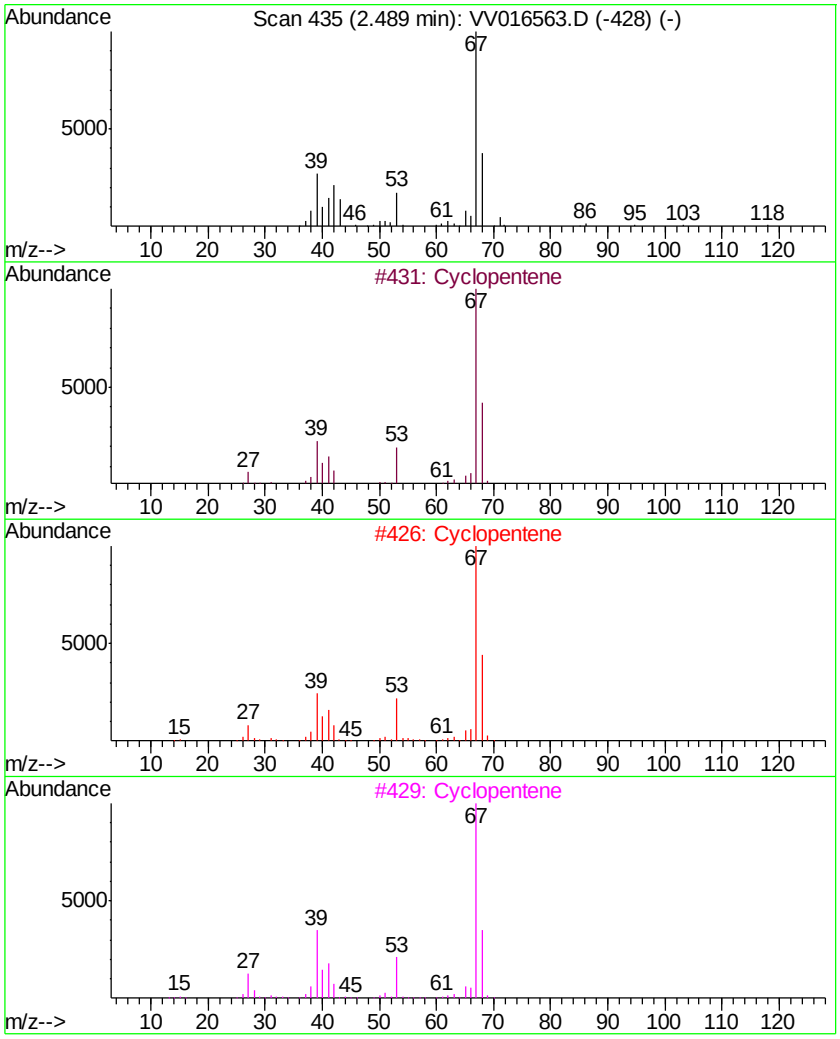
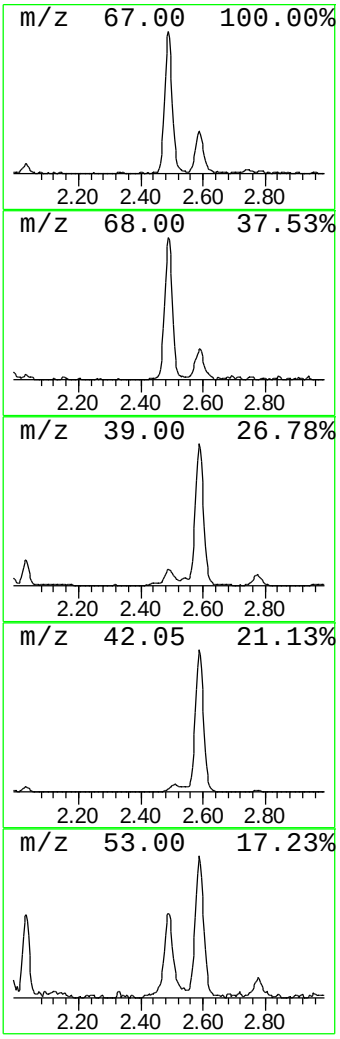
Peak Number 7 Cyclopentene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	7.48 ug/L	139137	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	83
2	Cyclopentene	68	C5H8	000142-29-0	80
3	Cyclopentene	68	C5H8	000142-29-0	72
4	1,3-Pentadiene	68	C5H8	000504-60-9	49
5	1,3-Pentadiene, (Z)-	68	C5H8	001574-41-0	47





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Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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

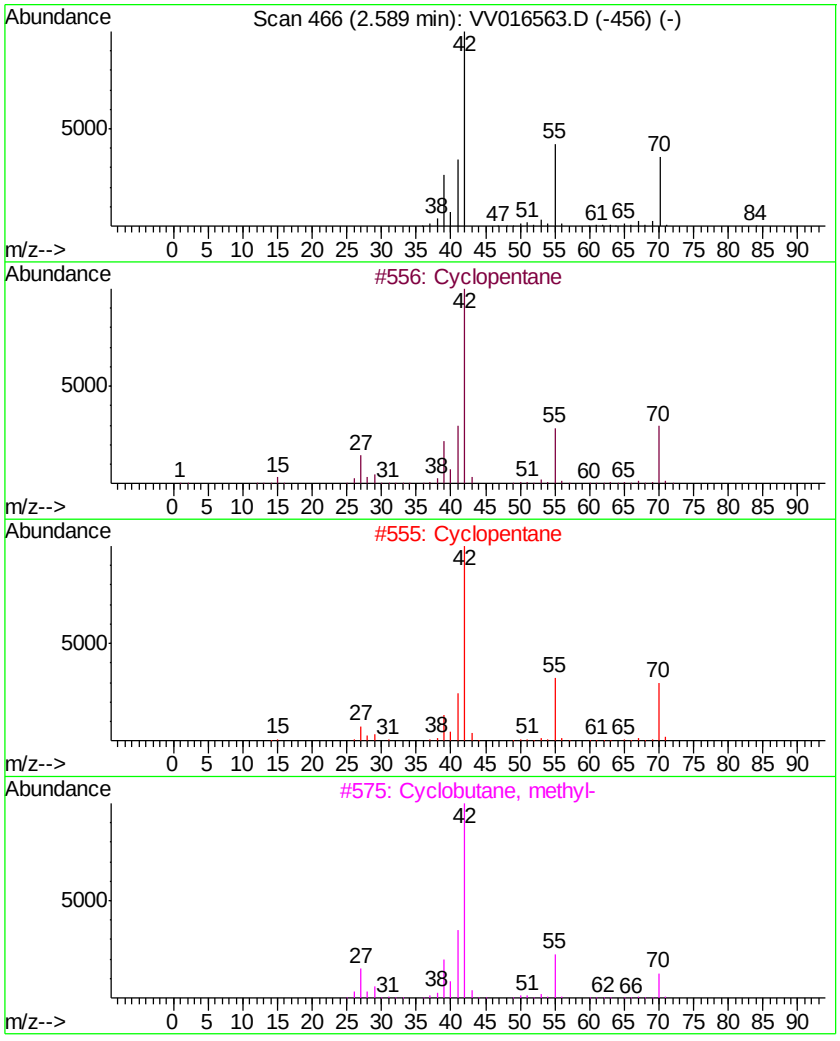
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

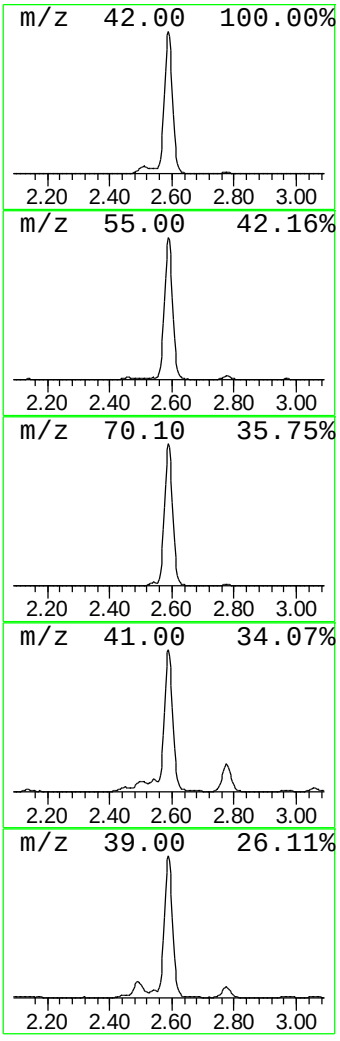
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	70.06 ug/L	1303910	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	78
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	59
5	1-Pentene	70	C5H10	000109-67-1	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

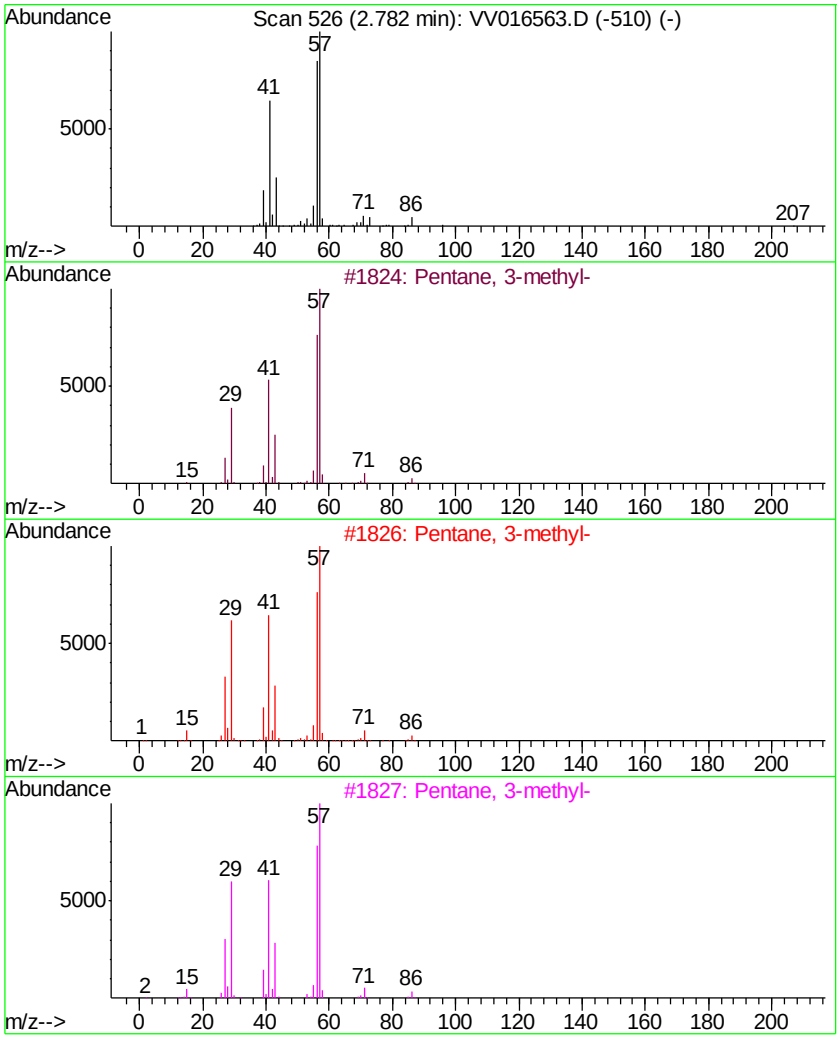
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

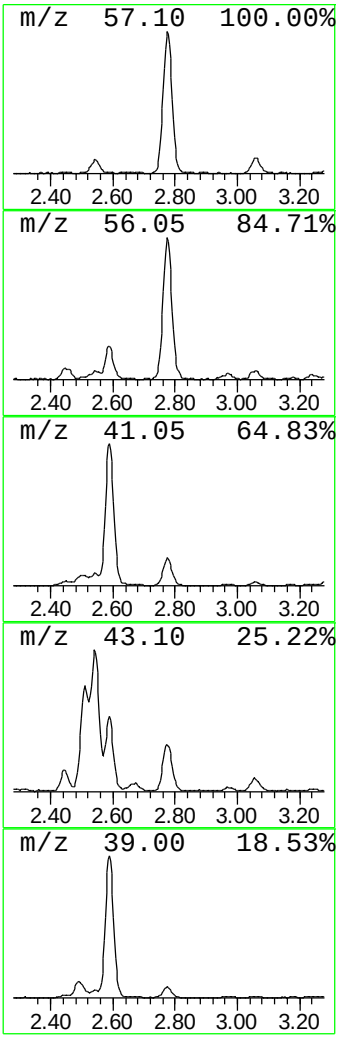
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	10.23 ug/L	190334	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	80
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	56
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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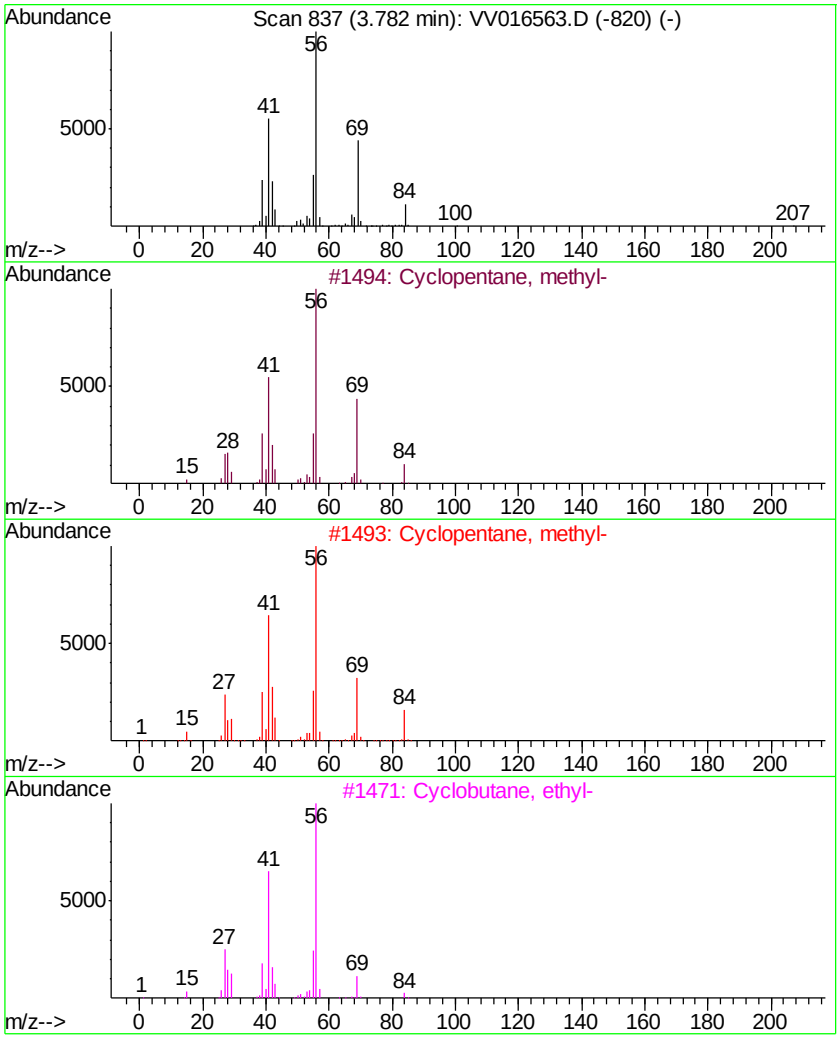
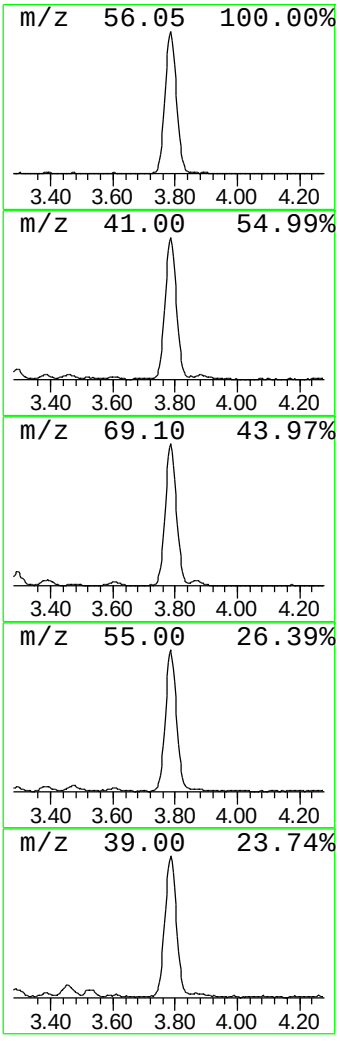
Peak Number 10 (DEL) Alkane: Cyclic3.78 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	40.31 ug/L	750212	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	91
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	80
4	Cyclohexane	84	C6H12	000110-82-7	80
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	78





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Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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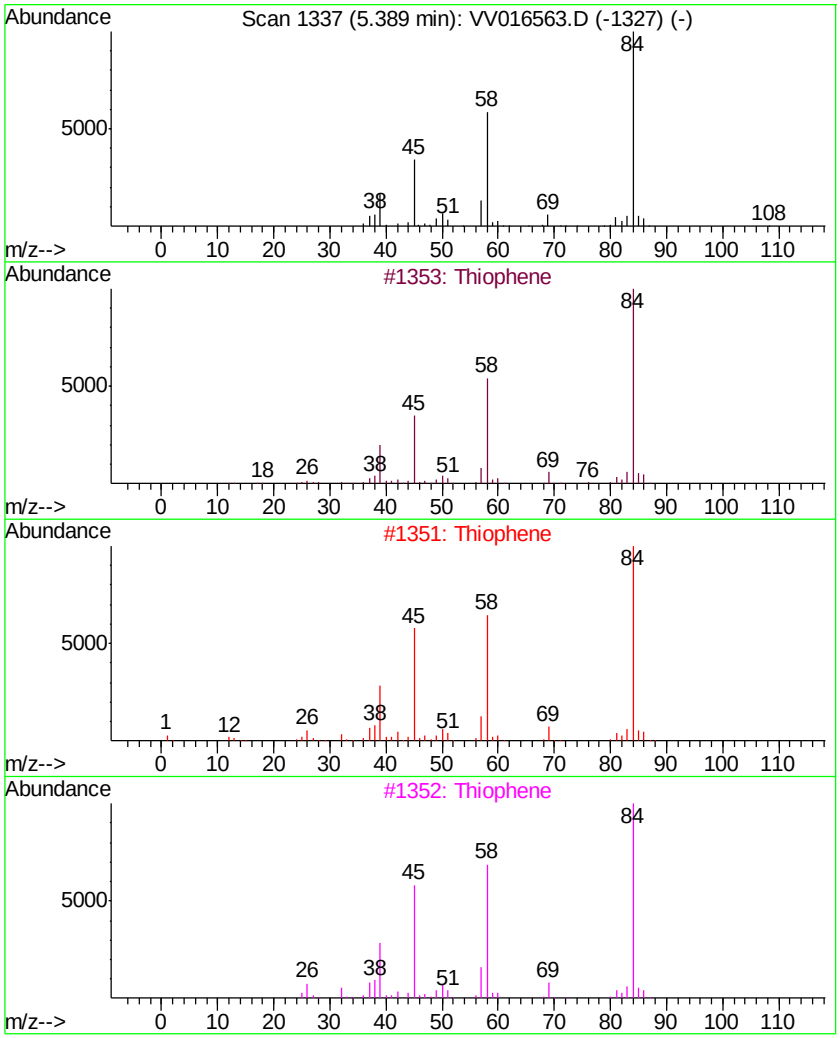
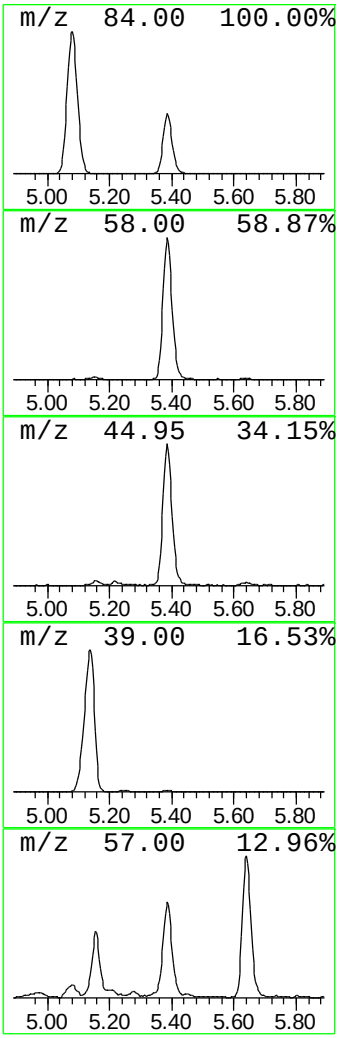
Peak Number 11 Thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.39	29.99 ug/L	558283	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	95
2	Thiophene	84	C4H4S	000110-02-1	91
3	Thiophene	84	C4H4S	000110-02-1	91
4	Thiophene	84	C4H4S	000110-02-1	91
5	Pyridine-D5-	84	C5D5N	007291-22-7	38





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Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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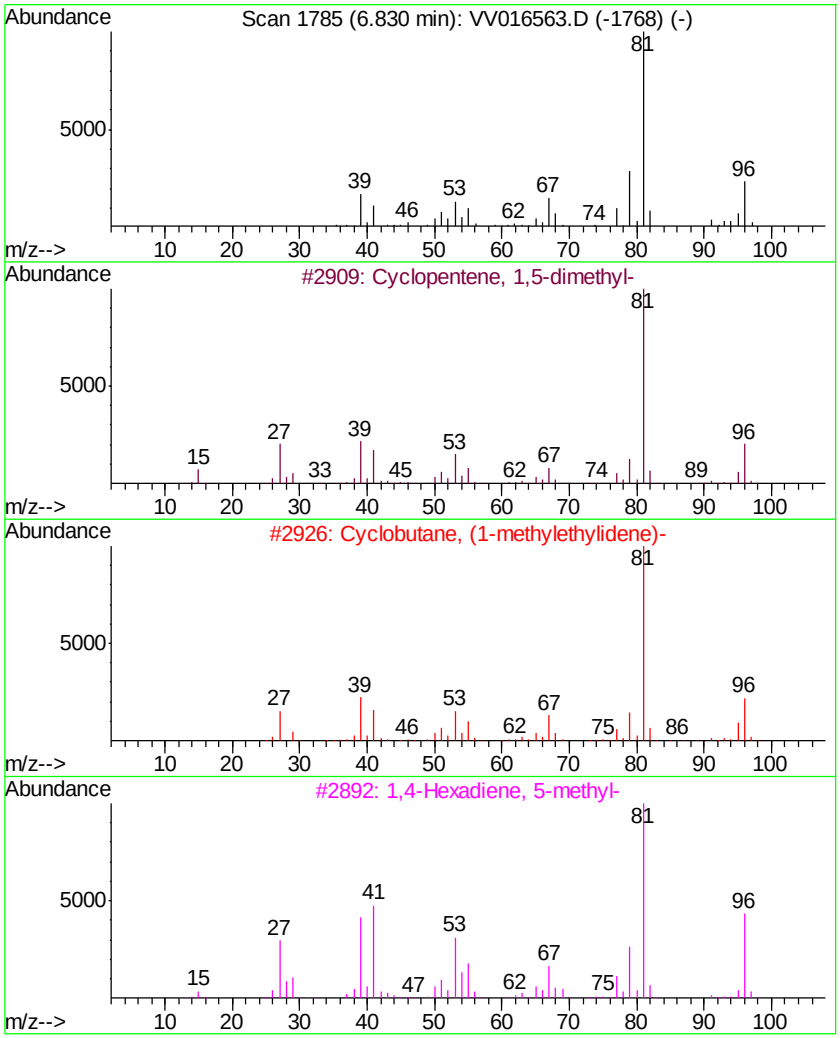
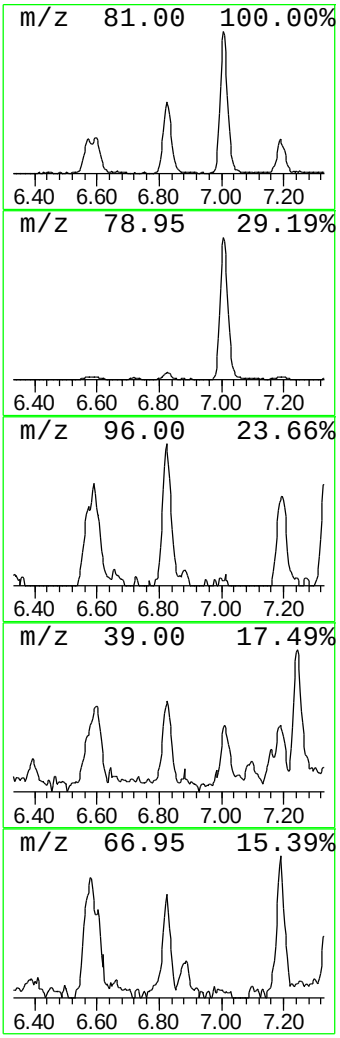
Peak Number 12 Cyclopentene, 1,5-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	3.55 ug/L	65993	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	90
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
3	1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	87
4	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	86
5	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	86





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Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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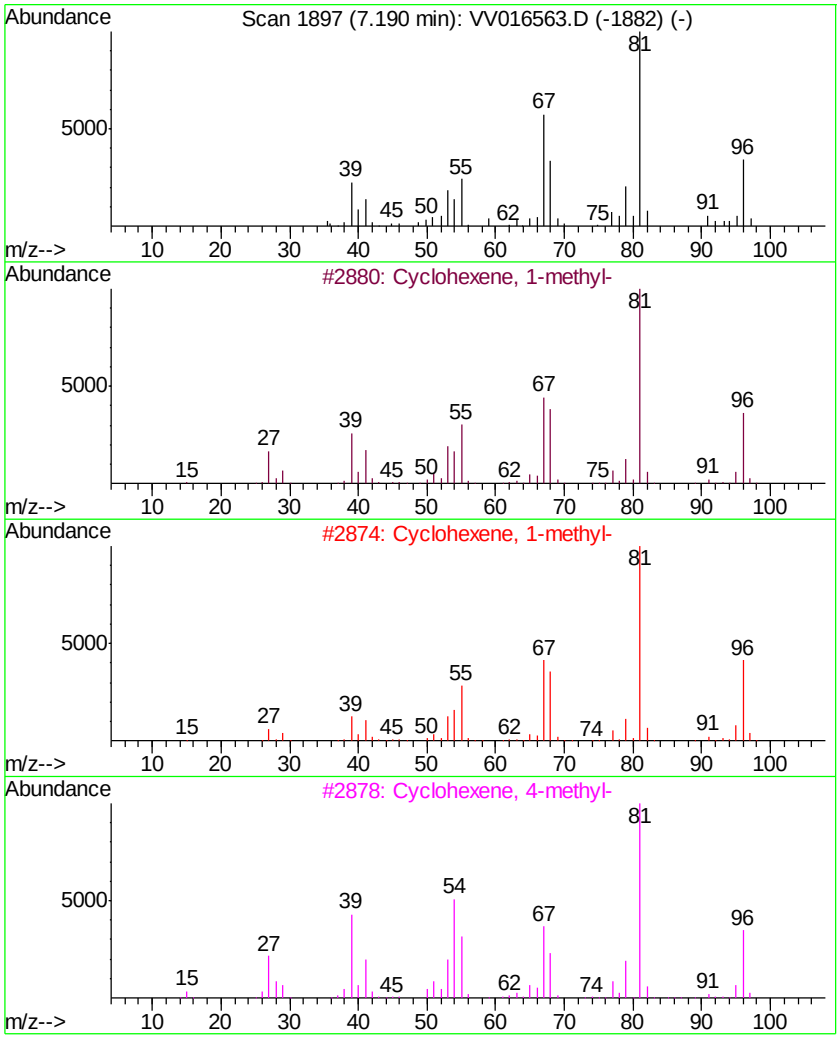
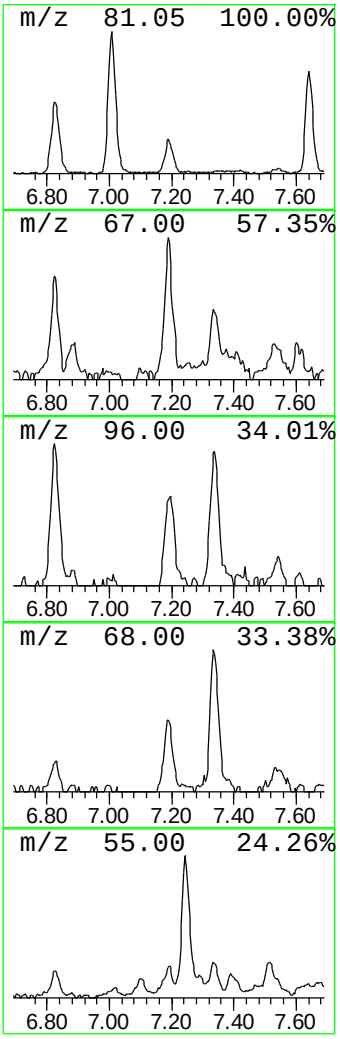
Peak Number 14 Cyclohexene, 1-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	2.93 ug/L	54523	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	80
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	74
5	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	72





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Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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	4.76 ug/L	102809	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
2	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	80
3	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	80
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	80
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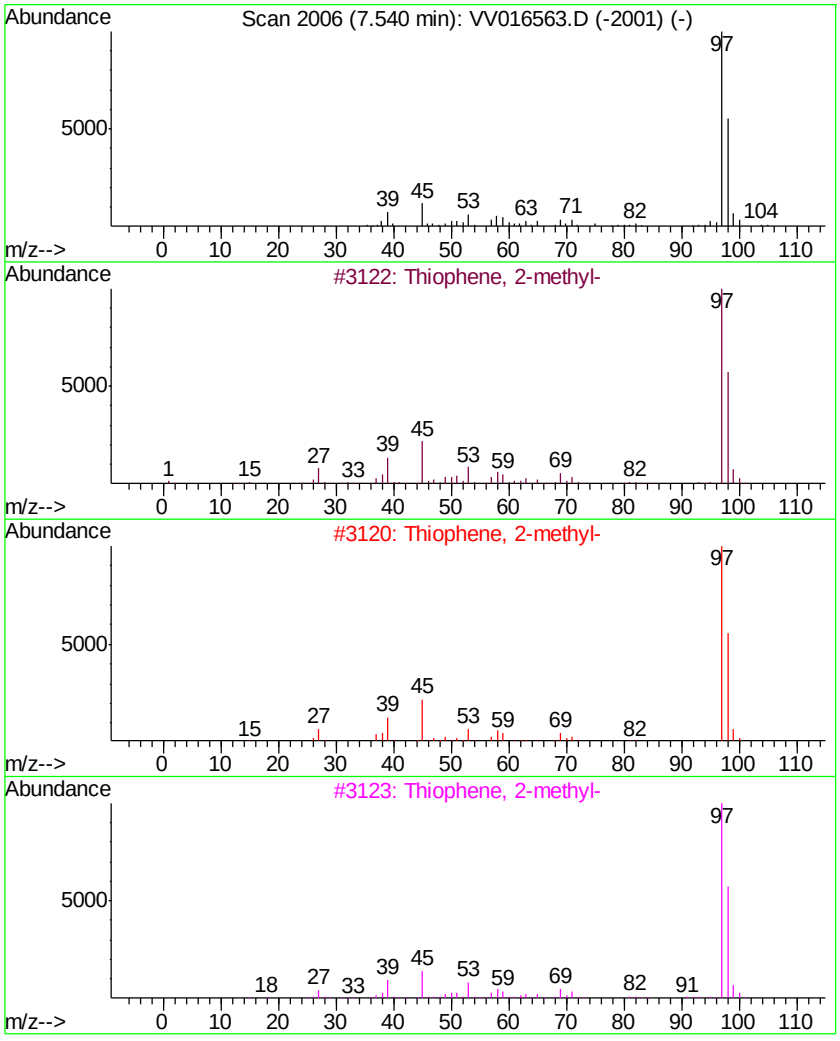

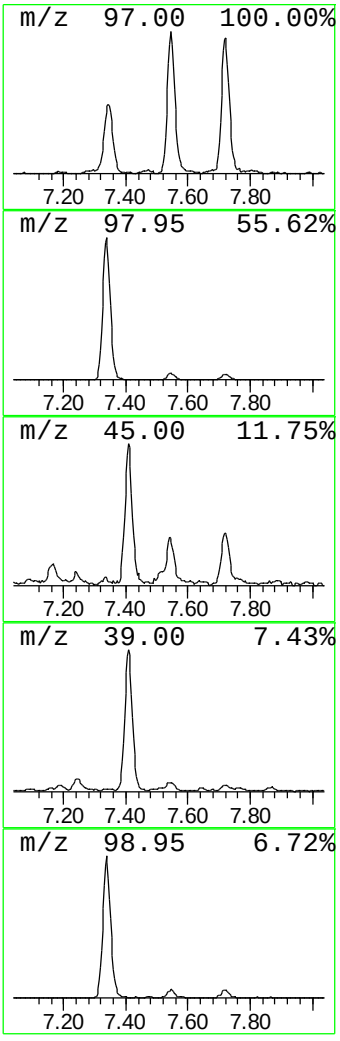

Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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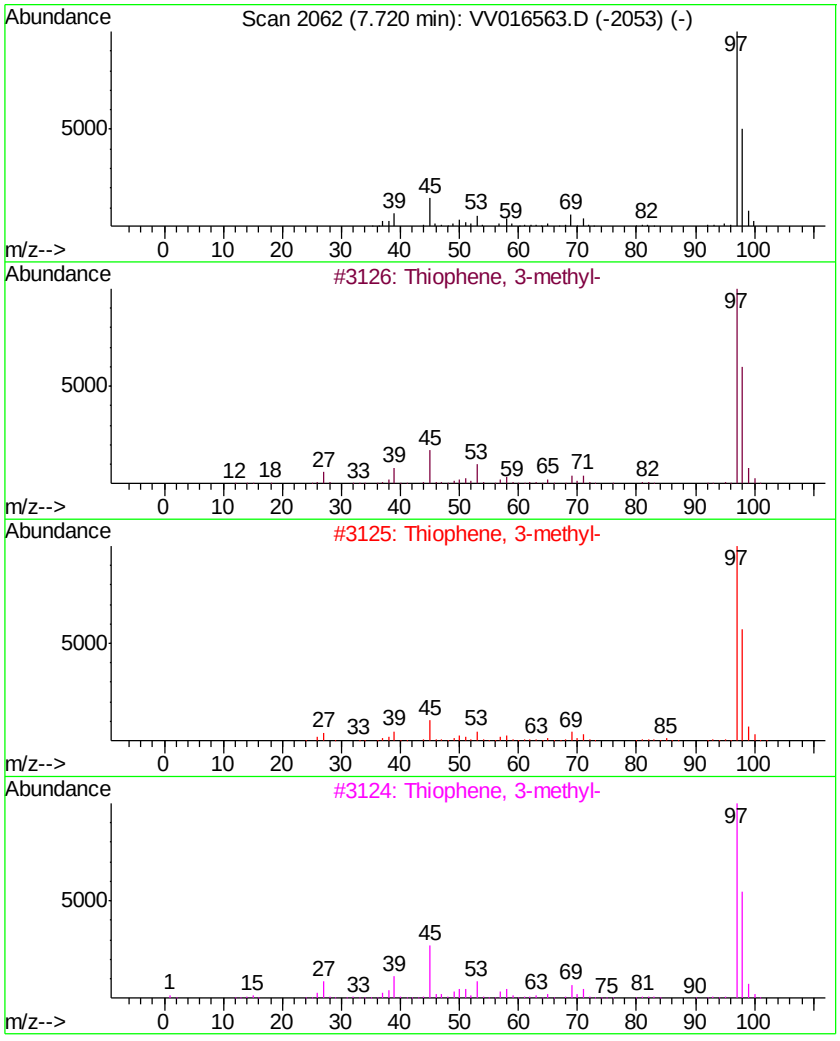
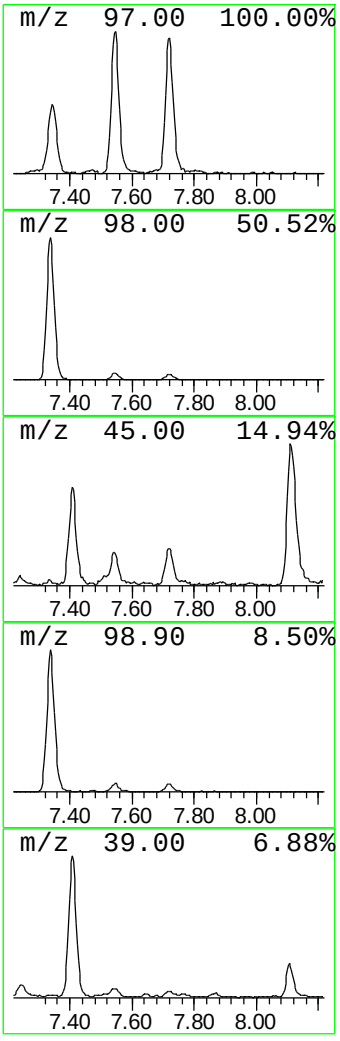
Peak Number 16 Thiophene, 3-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	3.73 ug/L	80556	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
3	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
5	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	87





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Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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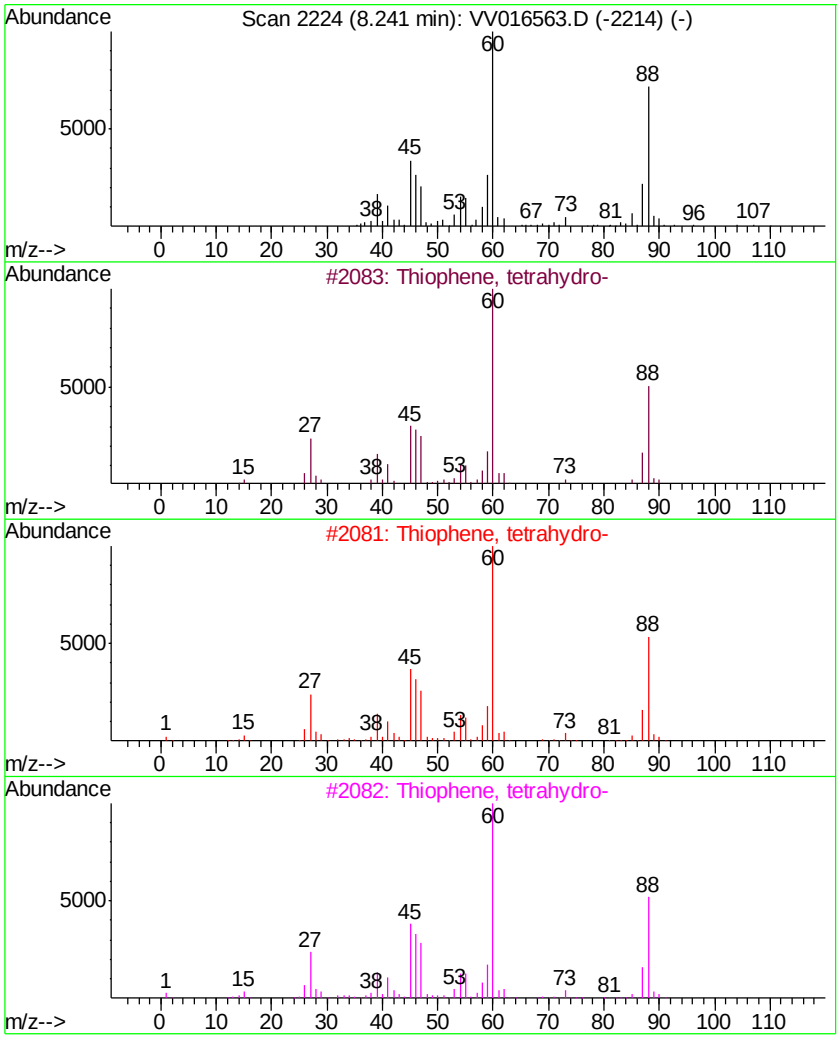
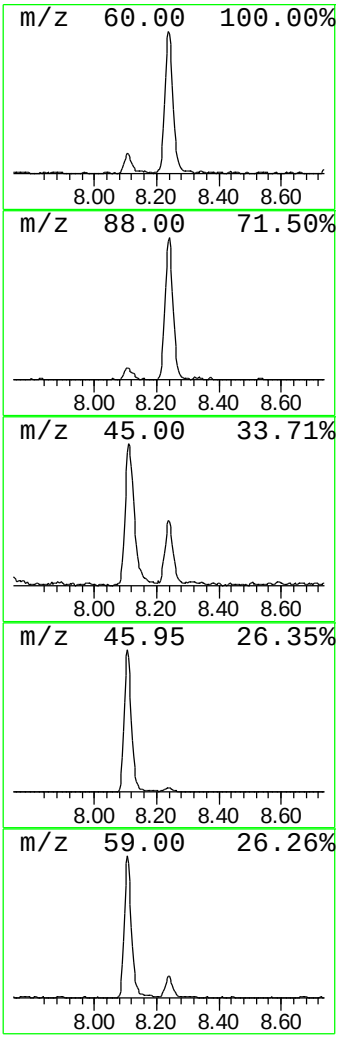
Peak Number 17 Thiophene, tetrahydro- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	6.09 ug/L	131499	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	87
4	Thietane, 2-methyl-	88	C4H8S	017837-41-1	74
5	Phospholane	88	C4H9P	003466-00-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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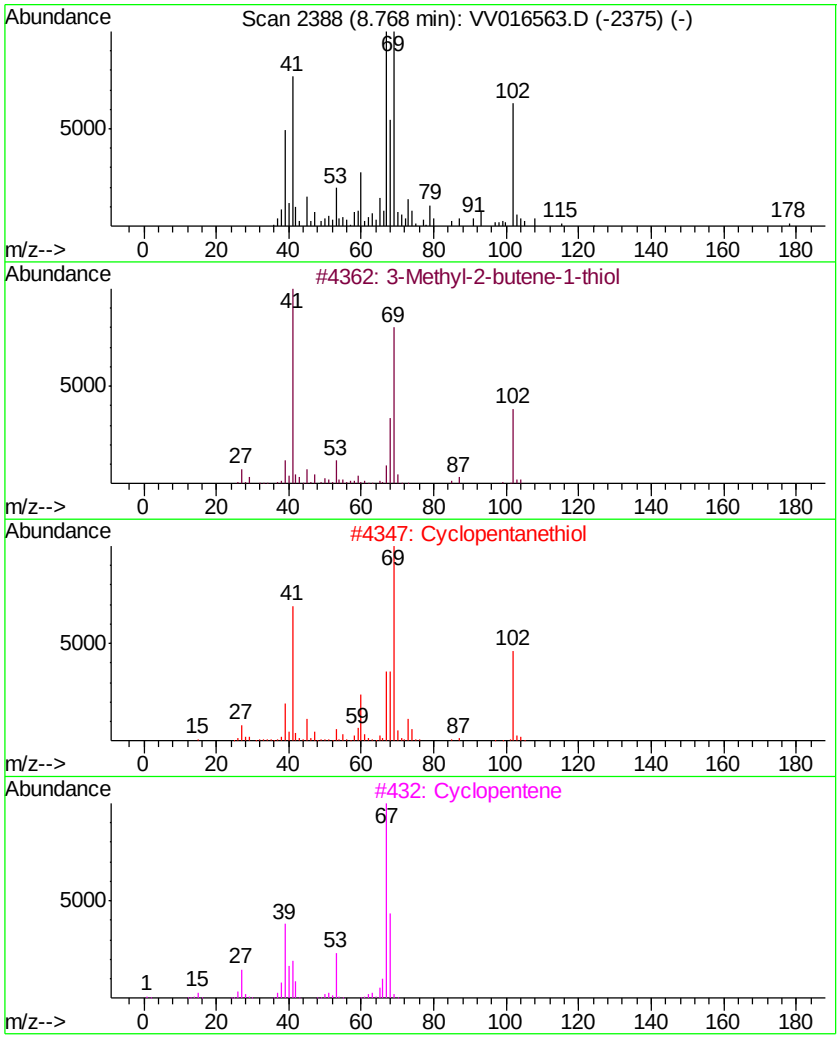
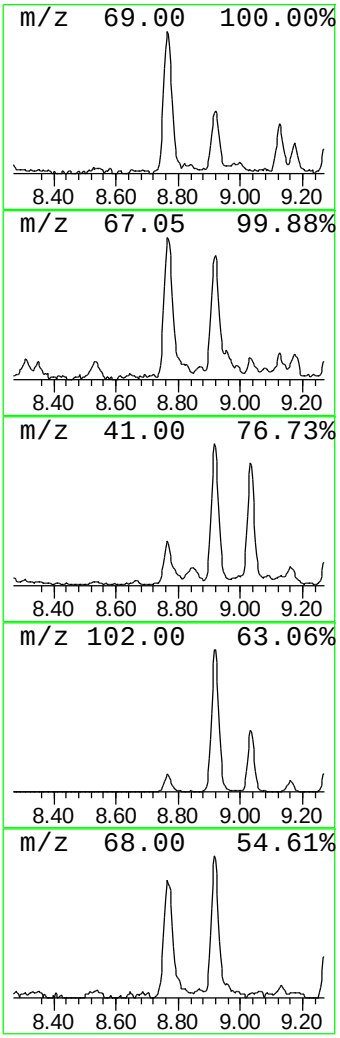
Peak Number 18 3-Methyl-2-butene-1-thiol Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	5.67 ug/L	122459	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	55
2	Cyclopentanethiol	102	C5H10S	001679-07-8	55
3	Cyclopentene	68	C5H8	000142-29-0	43
4	2-Pentyne, 1-chloro-	102	C5H7Cl	022592-15-0	35
5	2-Methyl-3-butene-2-thiol	102	C5H10S	1000099-45-4	35





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Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

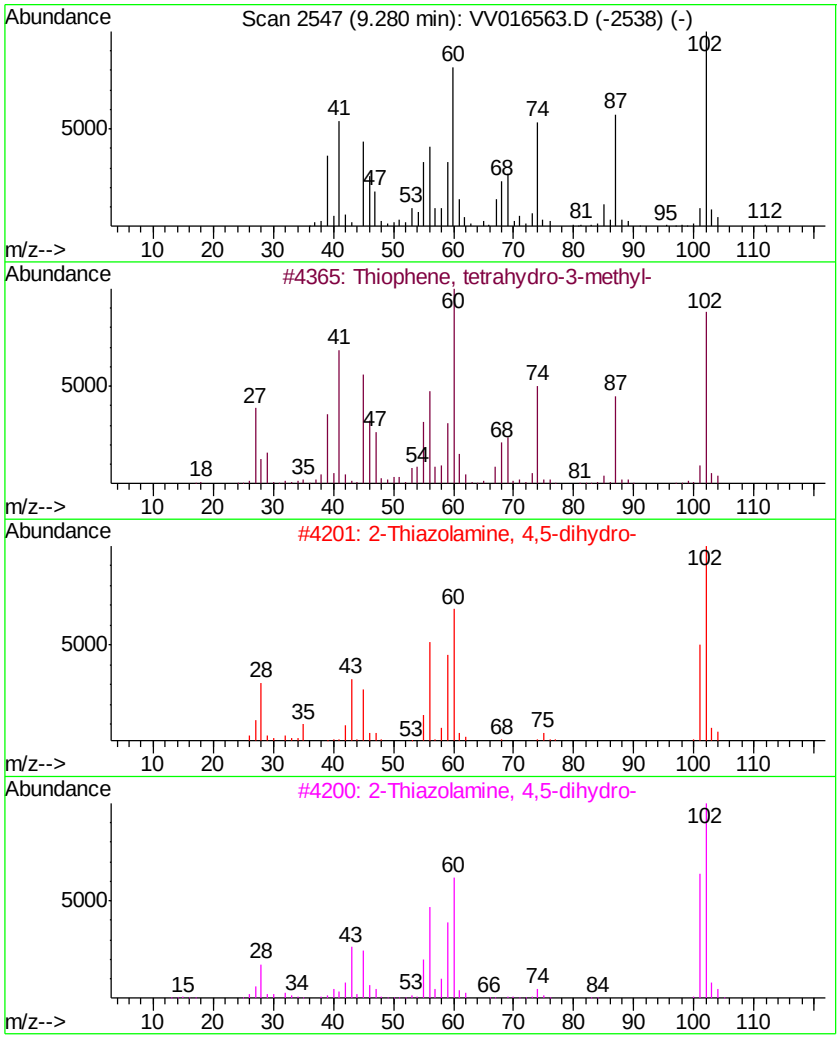
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

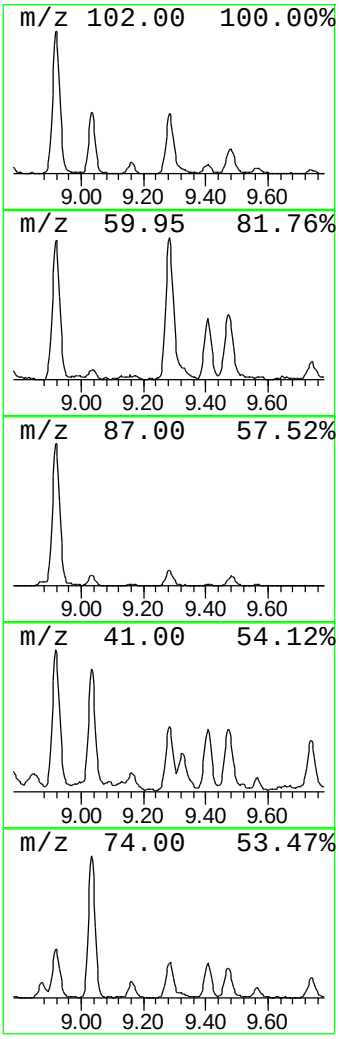
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	10.27 ug/L	221694	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	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	46
3	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	43
4	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	38
5	1-Butene, 1-(methylthio)-, (Z)-	102	C5H10S	017414-15-2	38





Library Search Compound Report

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Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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

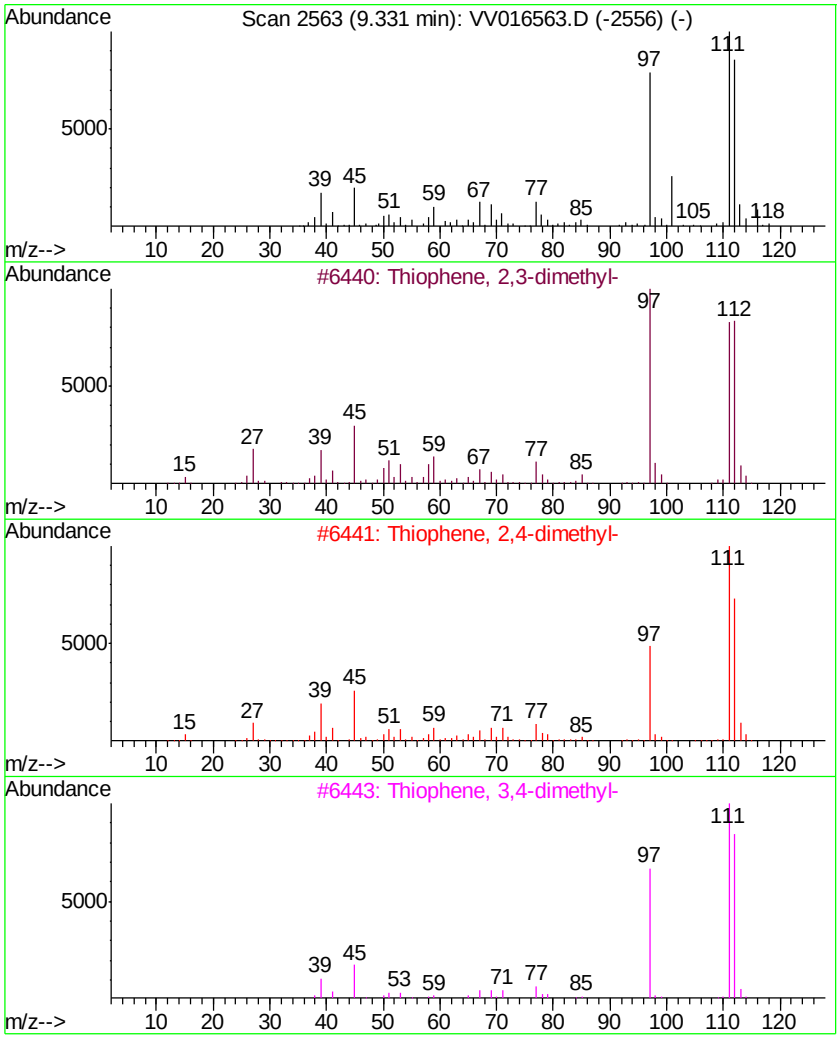
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

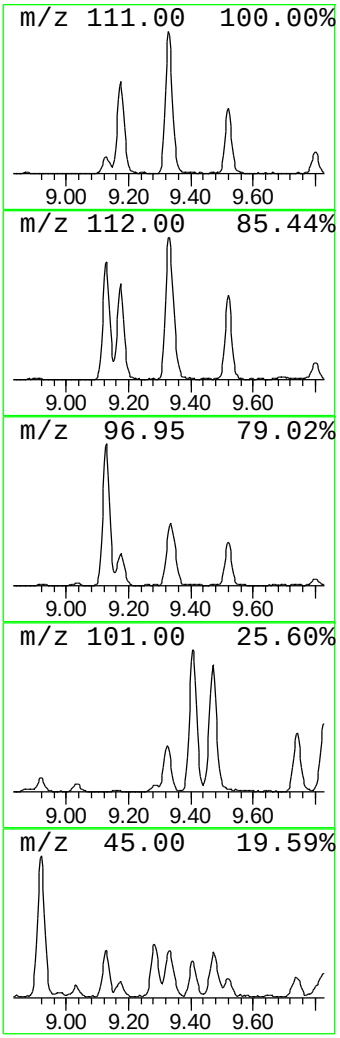
****

Peak Number 20 Thiophene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	13.85 ug/L	298945	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,3-dimethyl-	112	C6H8S	000632-16-6	90
2	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	83
3	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	81
4	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	74
5	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	74





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Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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

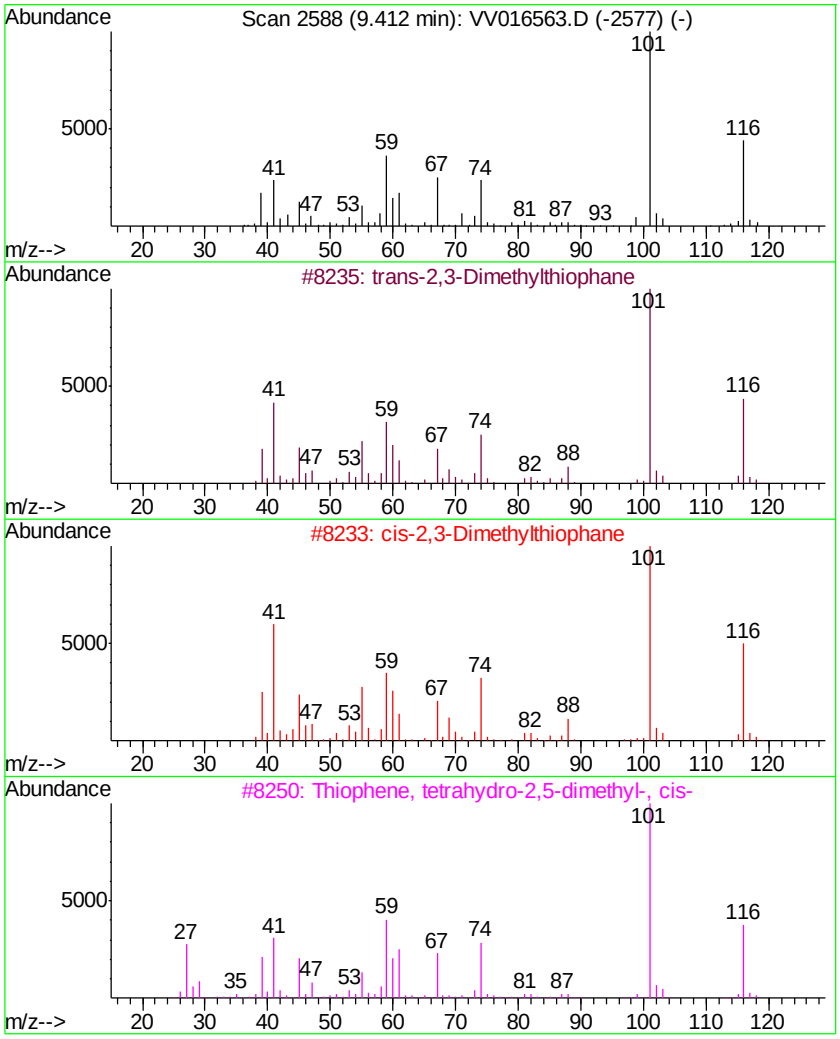
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

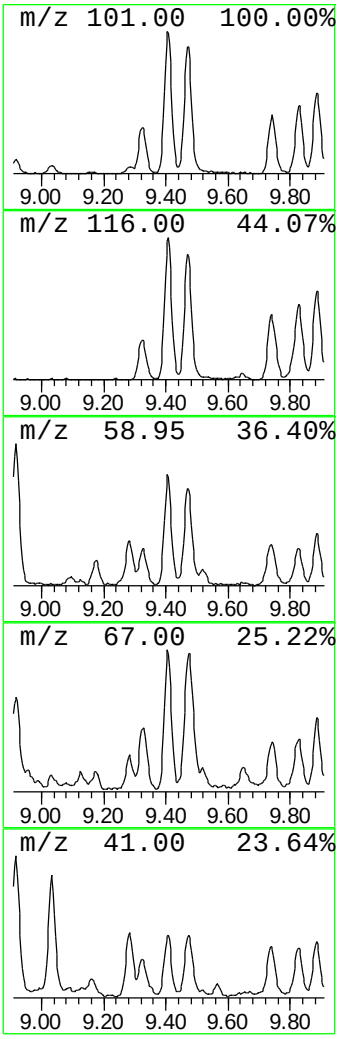
****

Peak Number 21 trans-2,3-Dimethylthiophane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	12.05 ug/L	260078	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	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	87
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	74
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	74
5	N-(1,3,4-Thiadiazol-2-yl)formamide	129	C3H3N3OS	026861-89-2	50





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Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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

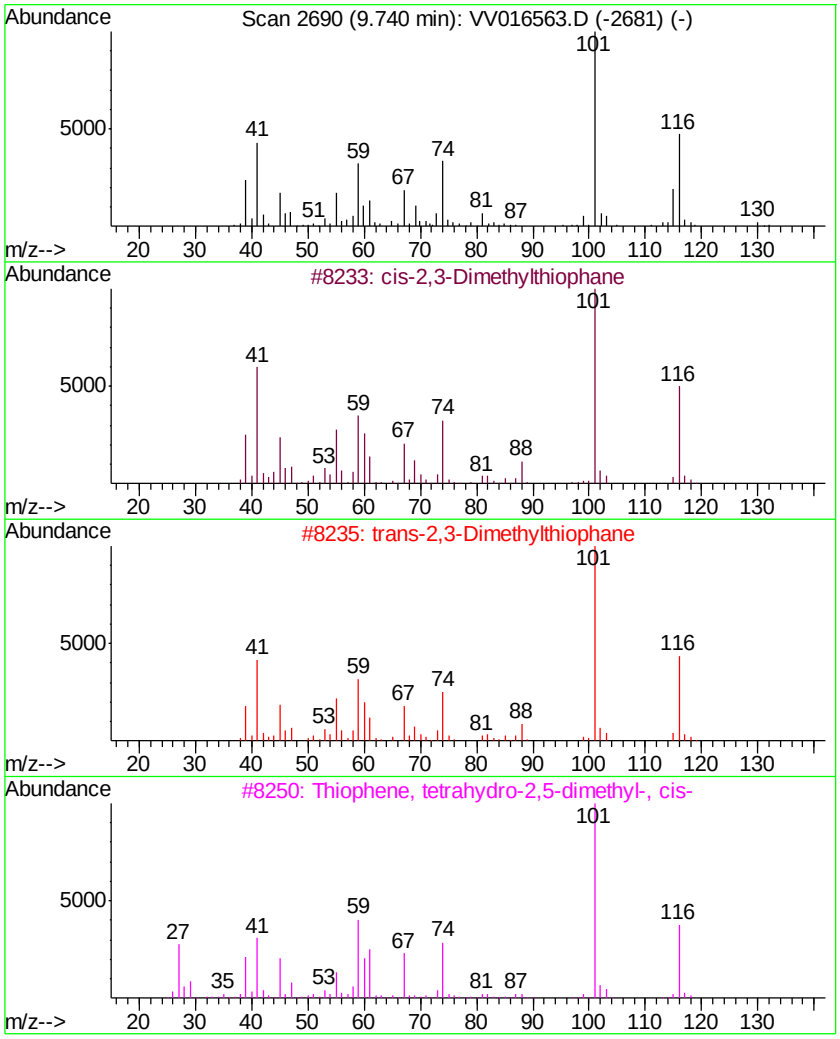
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

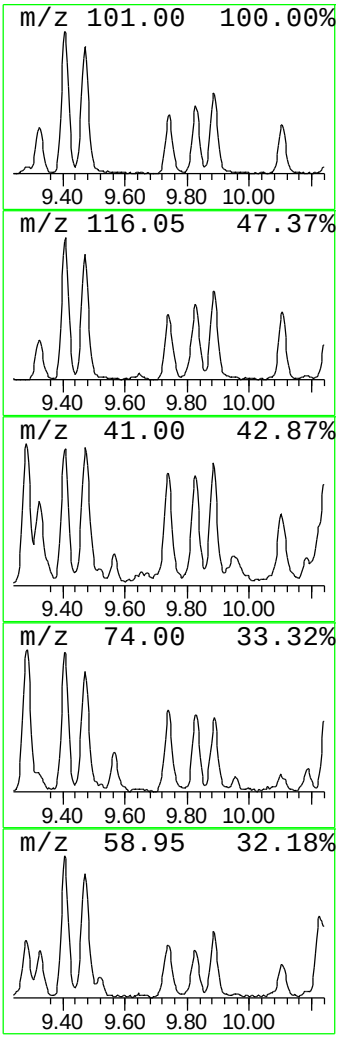
****

Peak Number 23 1,2,4-Thiadiazole, 5-amino- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	6.31 ug/L	136188	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	93
2	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	93
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	59
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	59
5	1,2,4-Thiadiazole, 5-amino-	101	C2H3N3S	007552-07-0	55





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Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

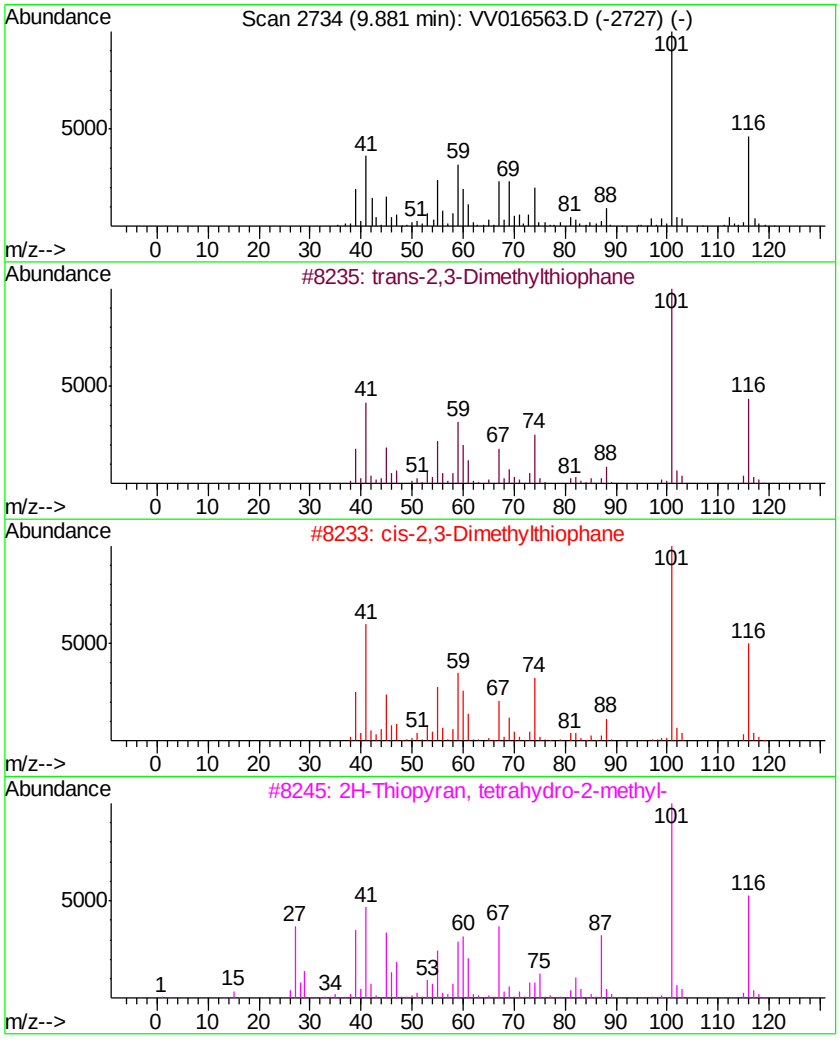
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

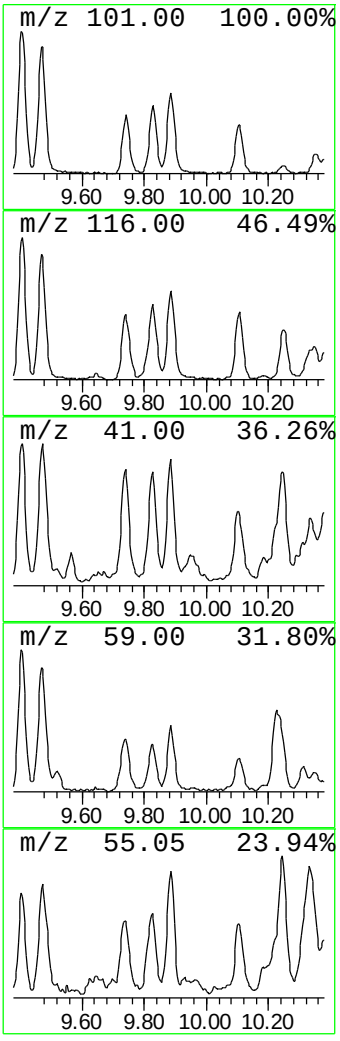
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Thiophene, tetrahydro-2,5-d... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	7.71 ug/L	166446	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	96
2	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	95
3	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	74
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	72
5	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	68





Library Search Compound Report

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Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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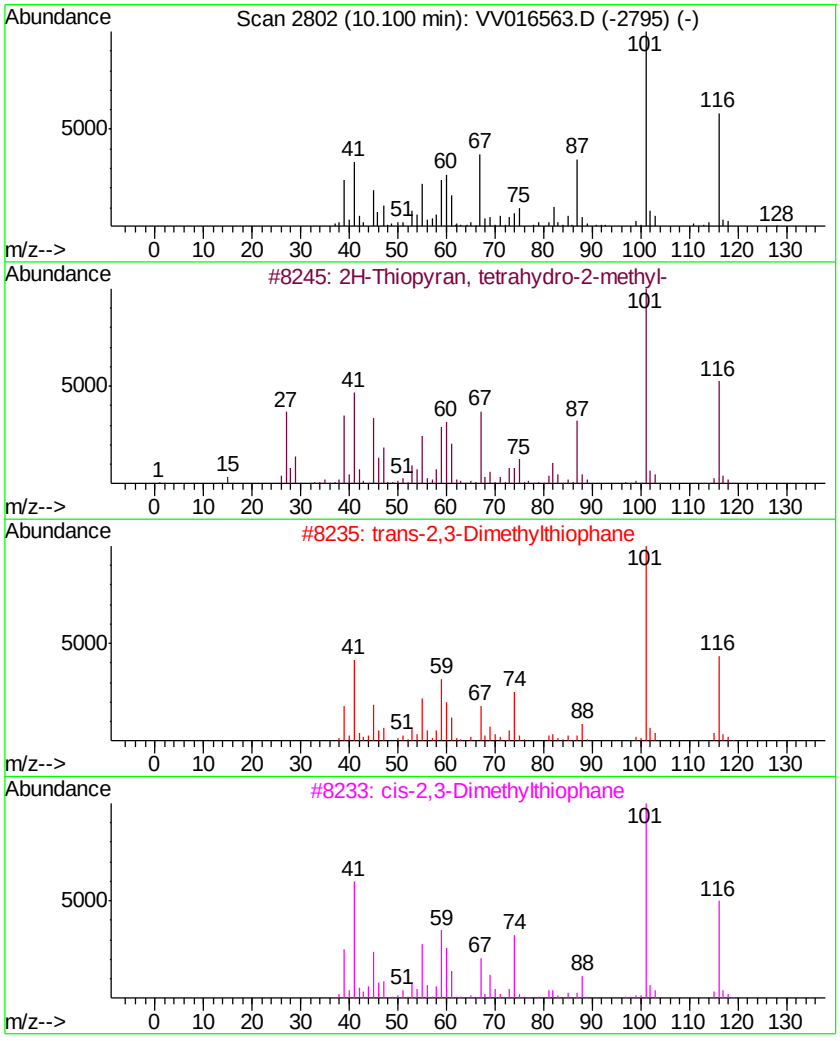
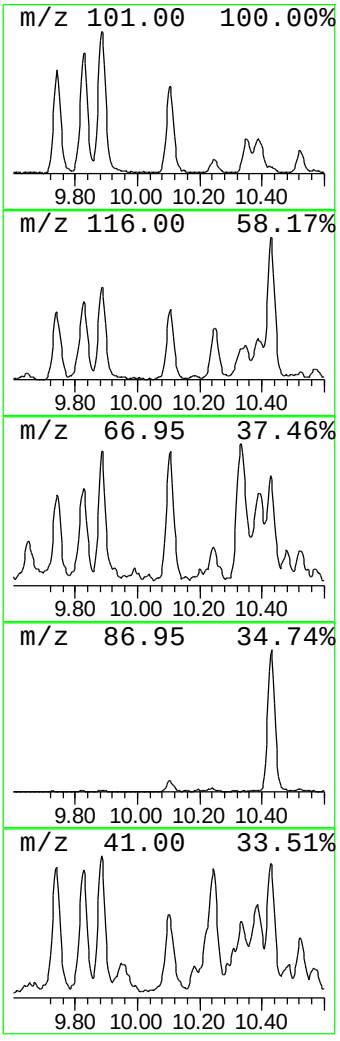
Peak Number 25 2H-Thiopyran, tetrahydro-2-... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	5.34 ug/L	135584	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	89
3	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	76
4	2H-Thiopyran, tetrahydro-3-methyl-	116	C6H12S	005258-50-4	64
5	cis-3-Methyl-2-n-propylthiophane	144	C8H16S	118068-76-1	52





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Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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

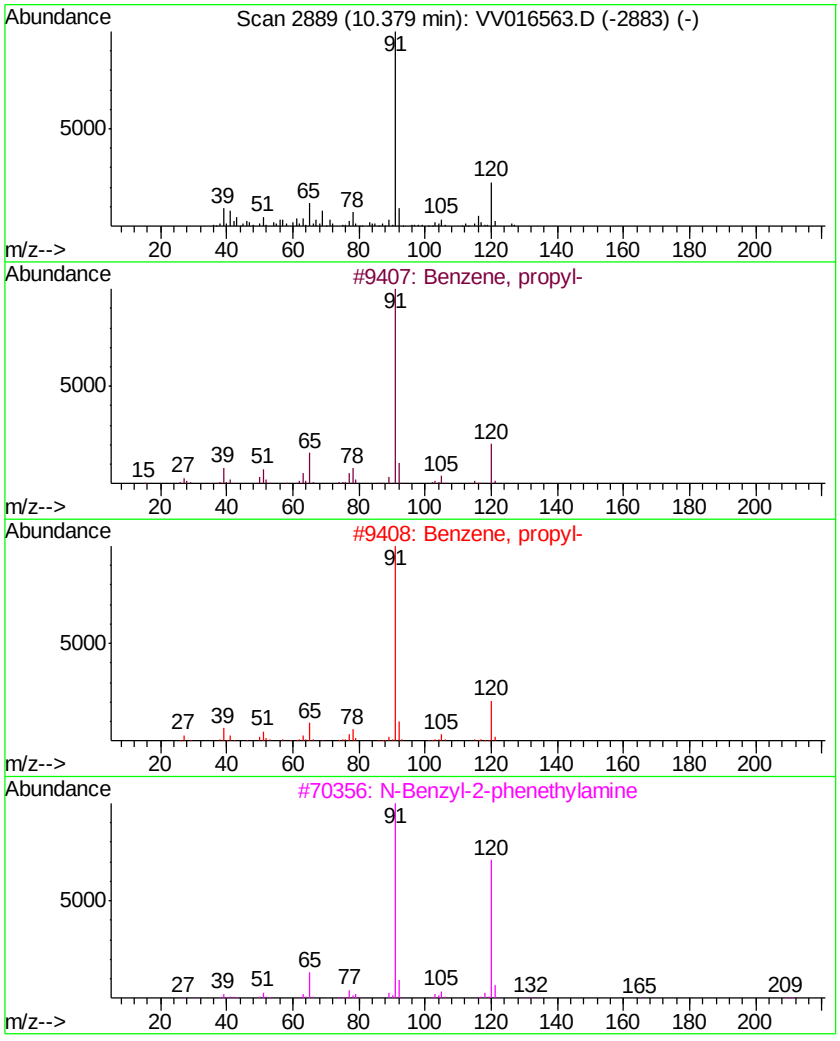
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

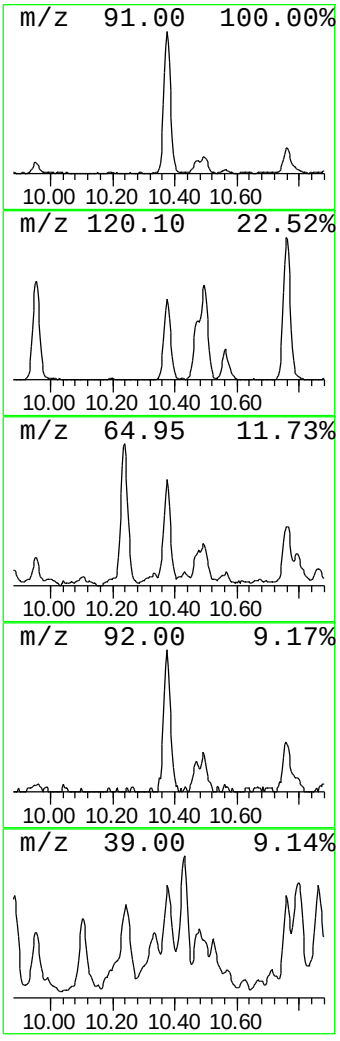
****

Peak Number 26 Benzene, propyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	4.54 ug/L	115238	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	81
2	Benzene, propyl-	120	C9H12	000103-65-1	74
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
4	Benzene, propyl-	120	C9H12	000103-65-1	72
5	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	72





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Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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

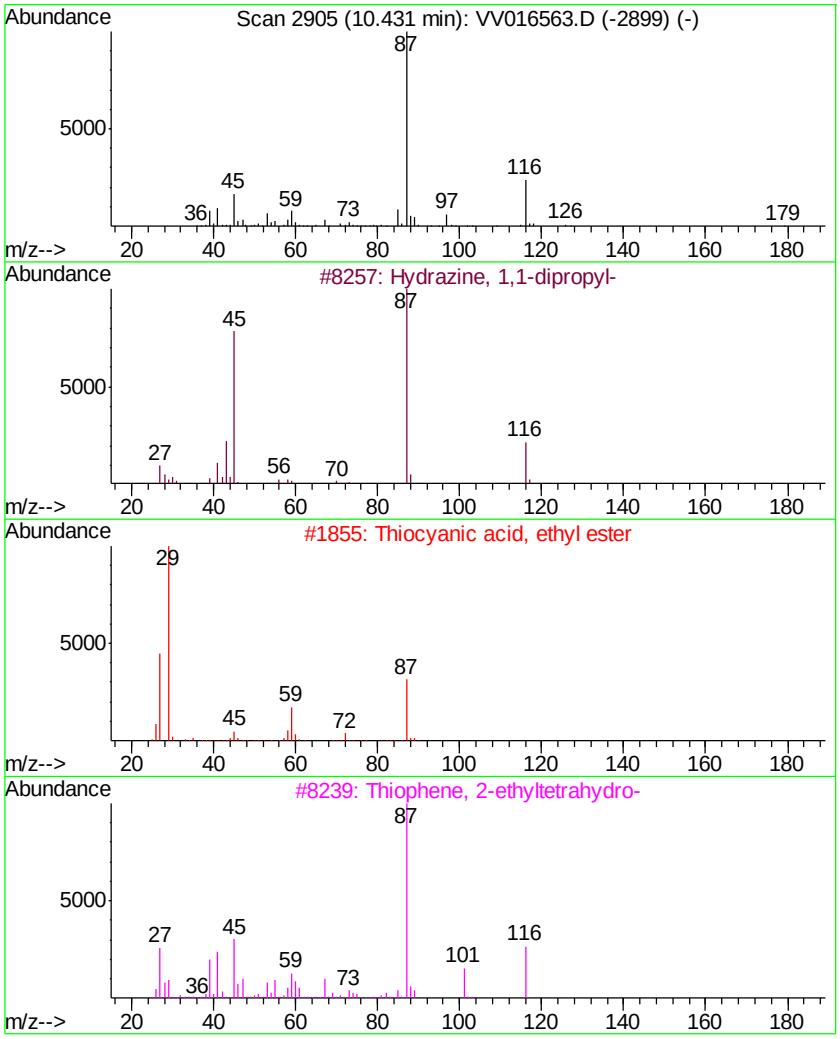
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

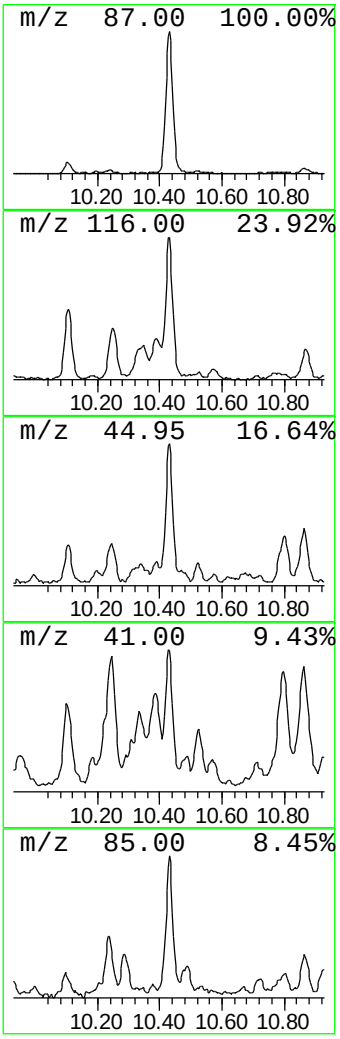
****

Peak Number 27 Hydrazine, 1,1-dipropyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	6.23 ug/L	158132	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	72
2	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	58
3	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	56
4	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	39
5	2-O-Methyl-D-mannopyranosa	194	C7H14O6	036864-61-6	38





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Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

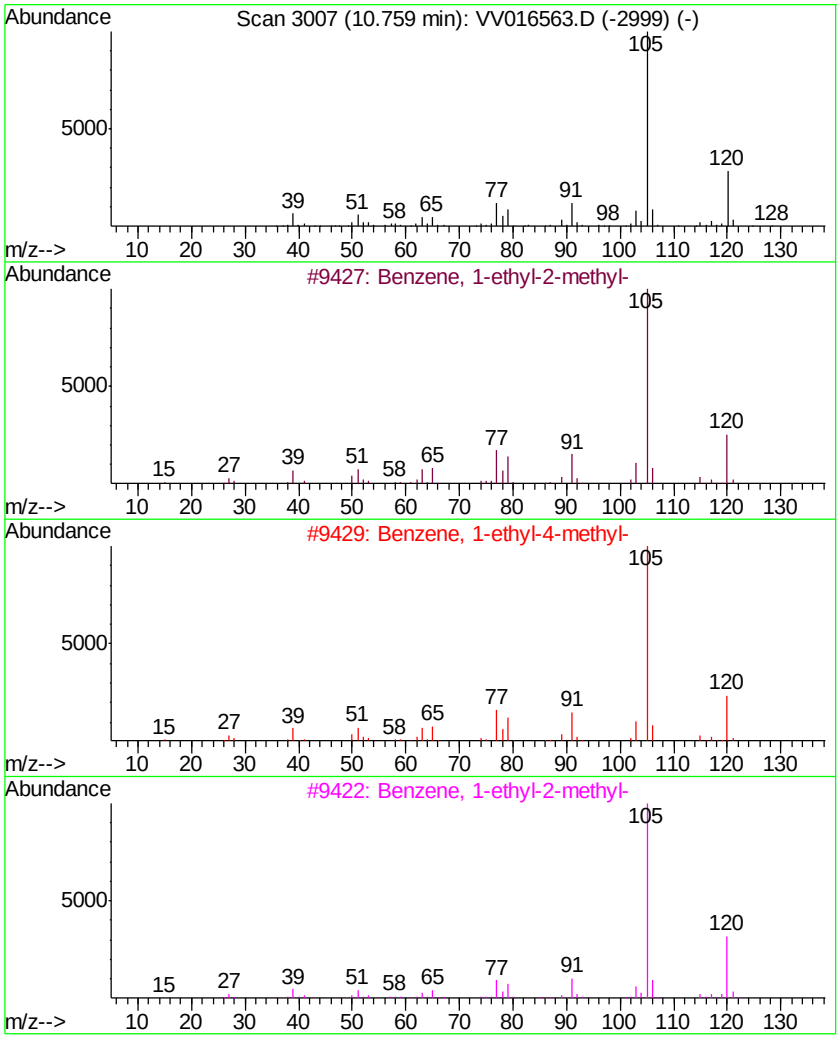
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

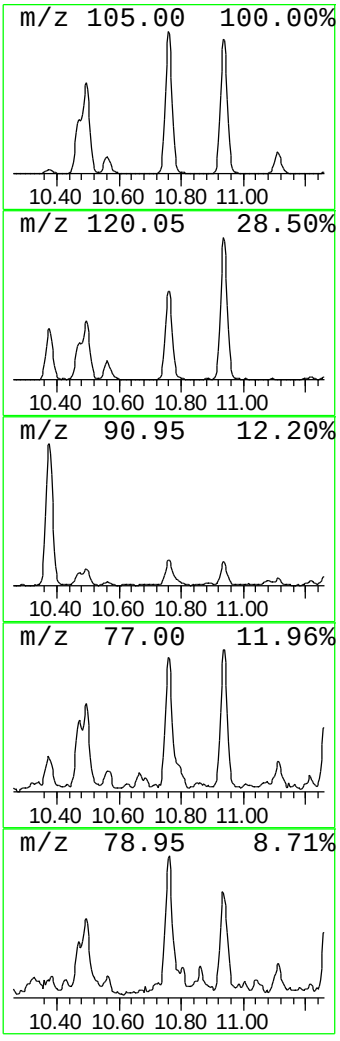
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, 1-ethyl-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	8.74 ug/L	221803	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	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Library Search Compound Report

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Data File : VV016563.D
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Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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

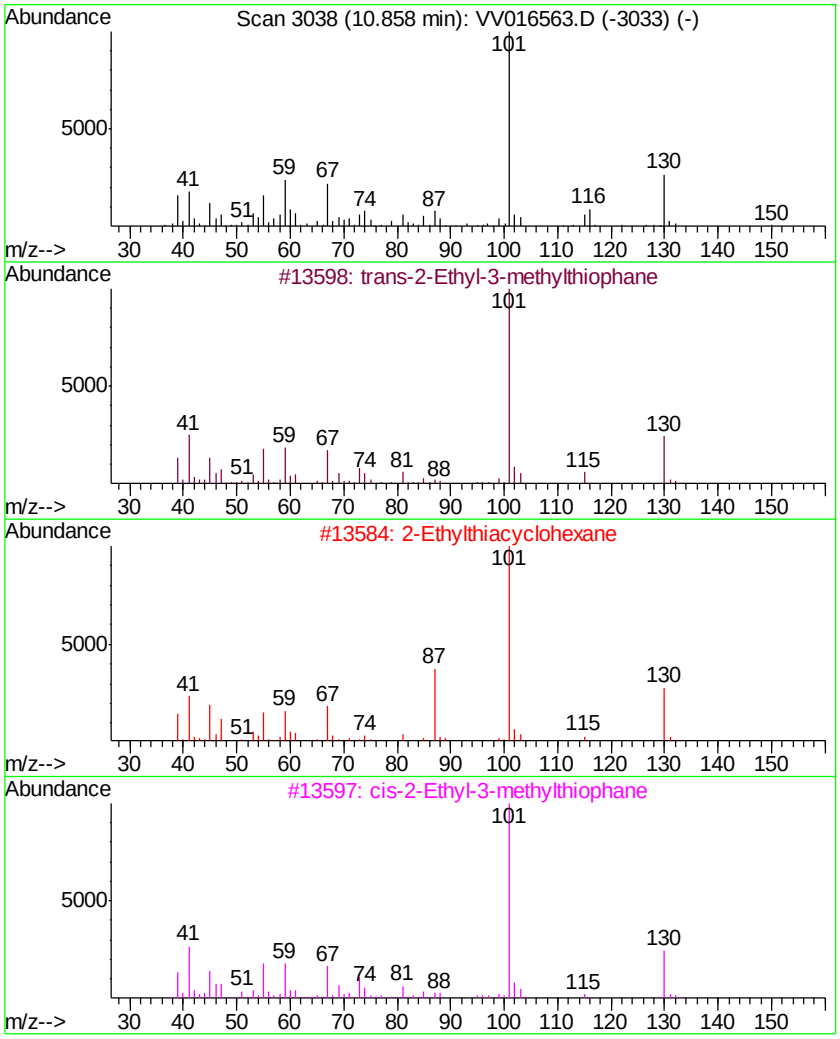
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

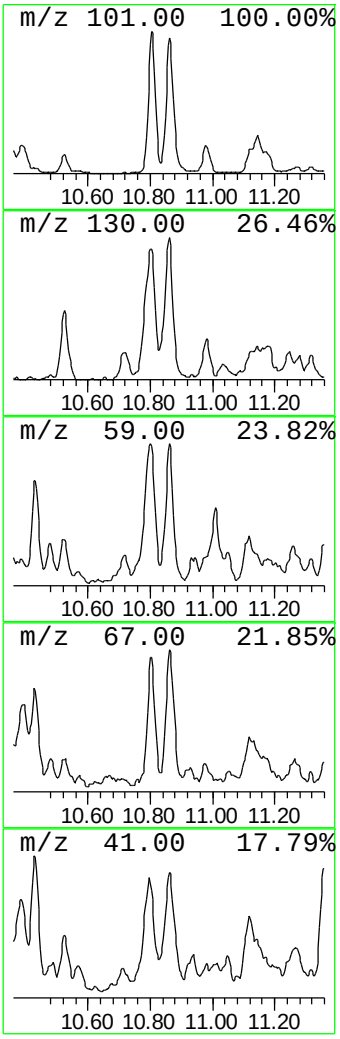
****

Peak Number 29 trans-2-Ethyl-3-methylthiop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	7.70 ug/L	195513	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	76
2	2-Ethylthiacyclohexane	130	C7H14S	001613-52-1	72
3	cis-2-Ethyl-3-methylthiophane	130	C7H14S	061568-37-4	72
4	1,3,4-Thiadiazol-2-amine	101	C2H3N3S	004005-51-0	49
5	3H-1,2,4-Triazole-3-thione, 1,2-...	101	C2H3N3S	003179-31-5	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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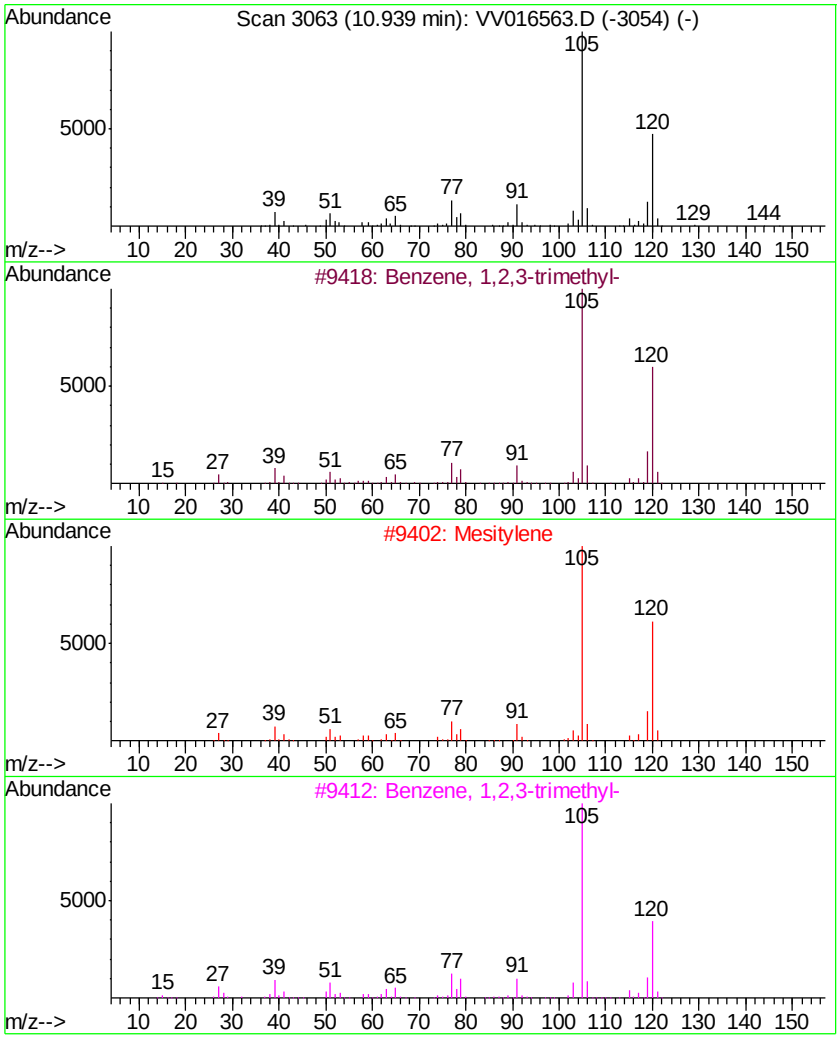
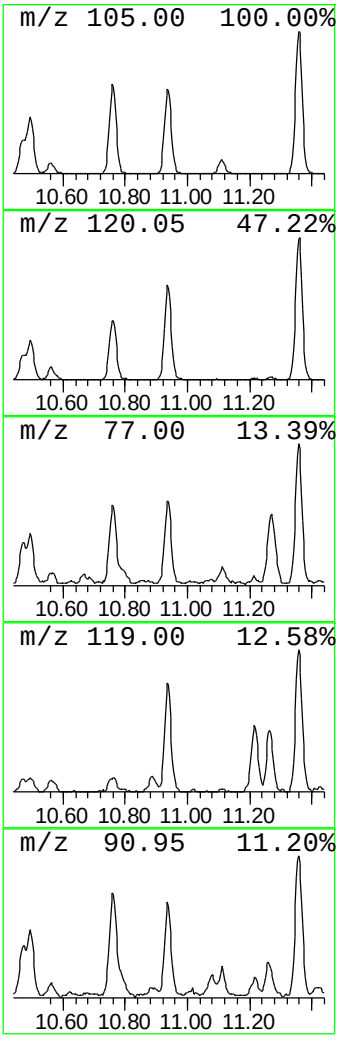
Peak Number 30 Benzene, 1,2,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	8.87 ug/L	225136	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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

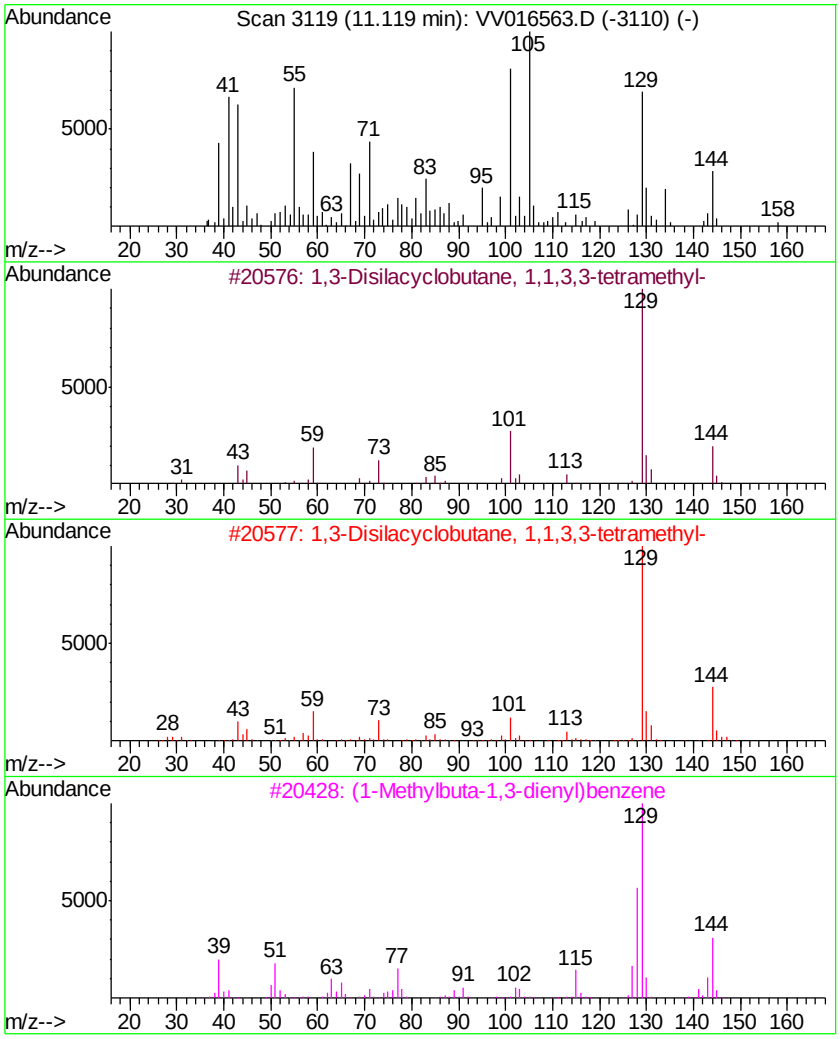
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

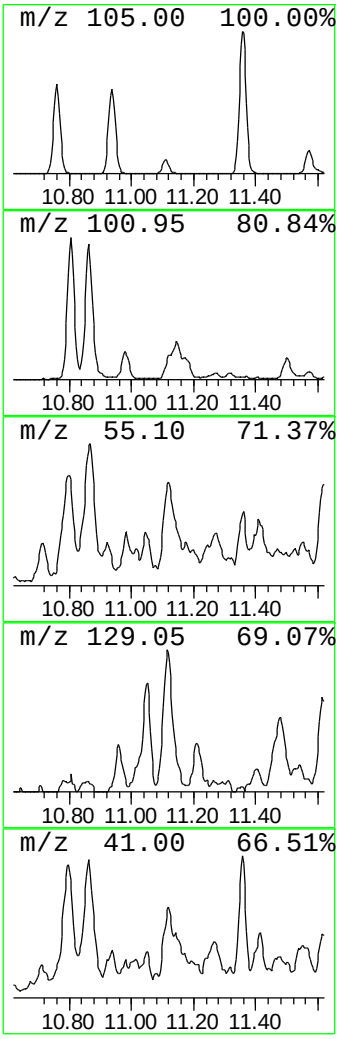
****

Peak Number 31 unknown-01 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	5.51 ug/L	139818	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Disilacyclobutane, 1,1,3,3-t...	144	C6H16Si2	001627-98-1	35
2	1,3-Disilacyclobutane, 1,1,3,3-t...	144	C6H16Si2	001627-98-1	30
3	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	30
4	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	25
5	3,4-Difluoroaniline	129	C6H5F2N	003863-11-4	22





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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

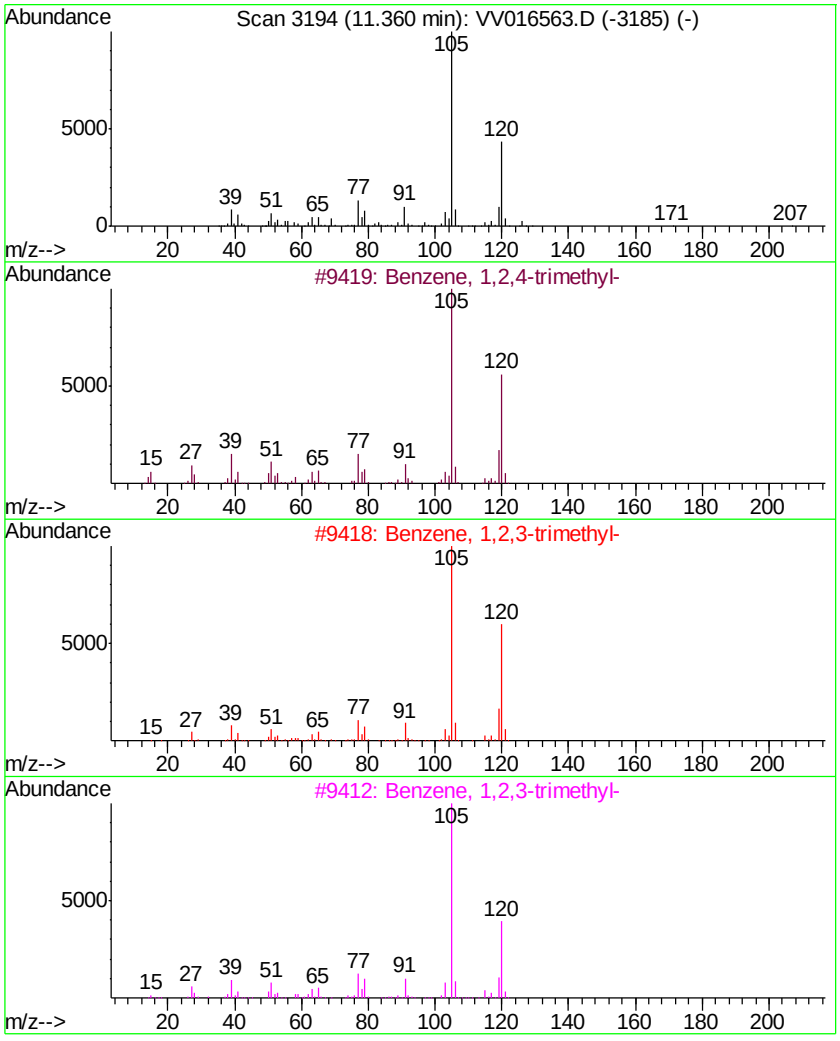
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

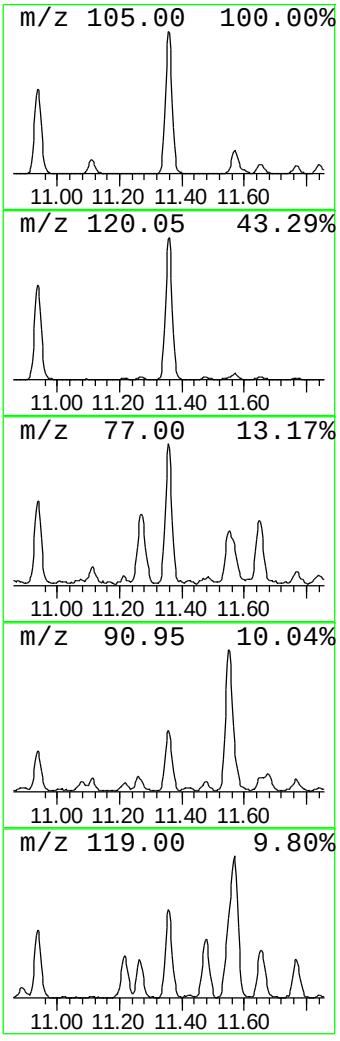
****

Peak Number 32 Benzene, 1,2,4-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	15.05 ug/L	382028	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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

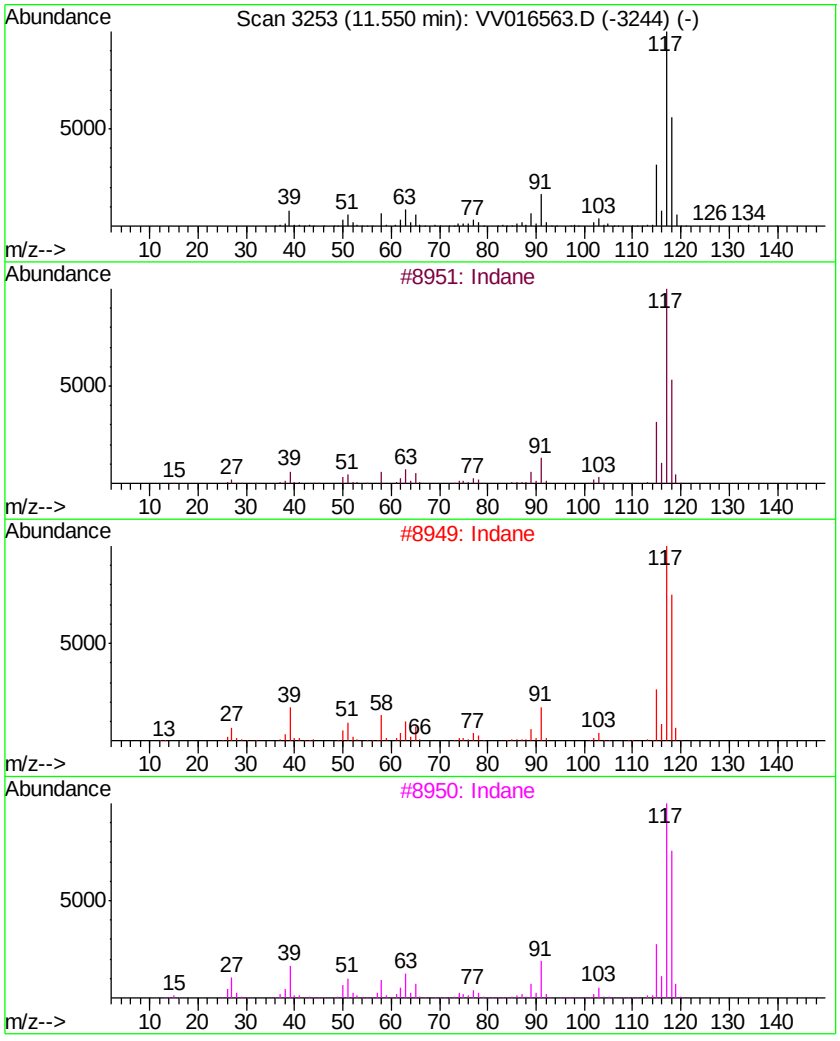
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

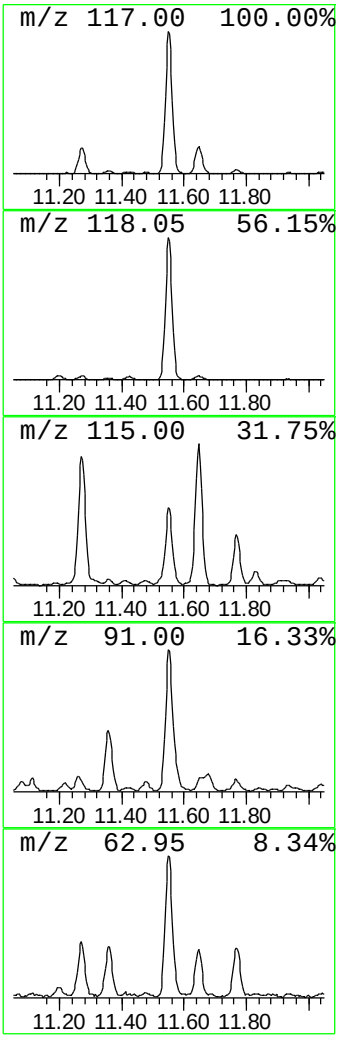
****

Peak Number 33 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	27.12 ug/L	688407	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
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	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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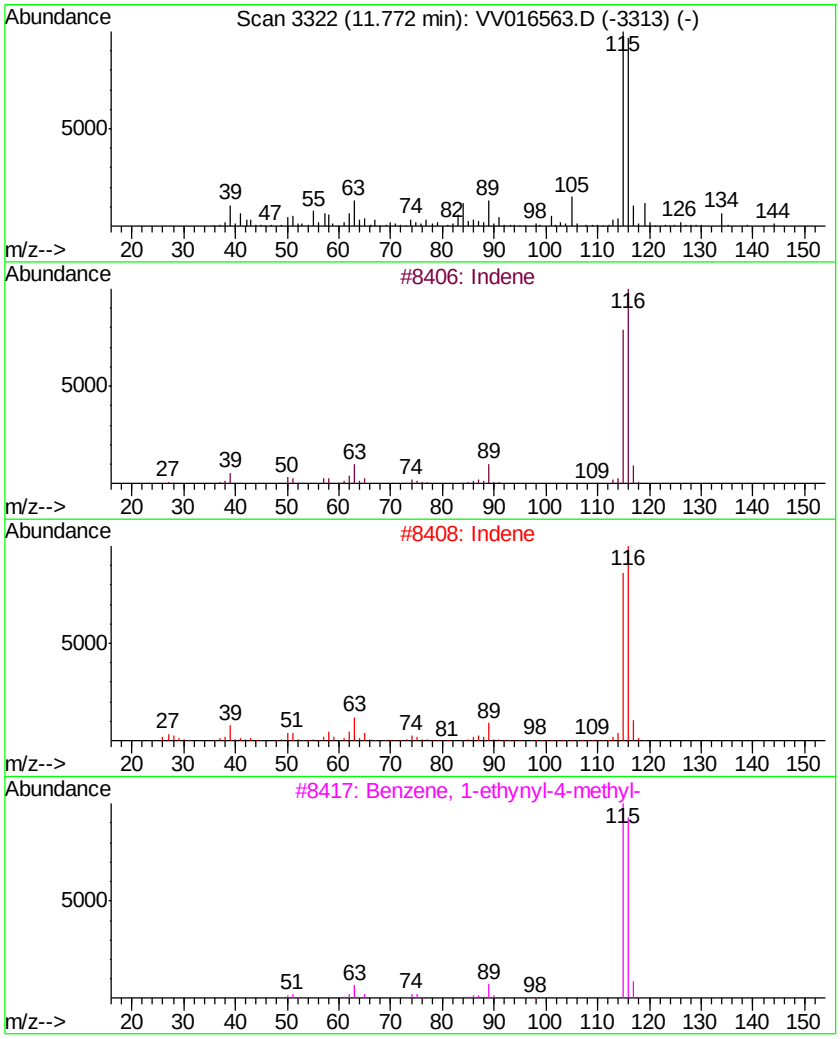
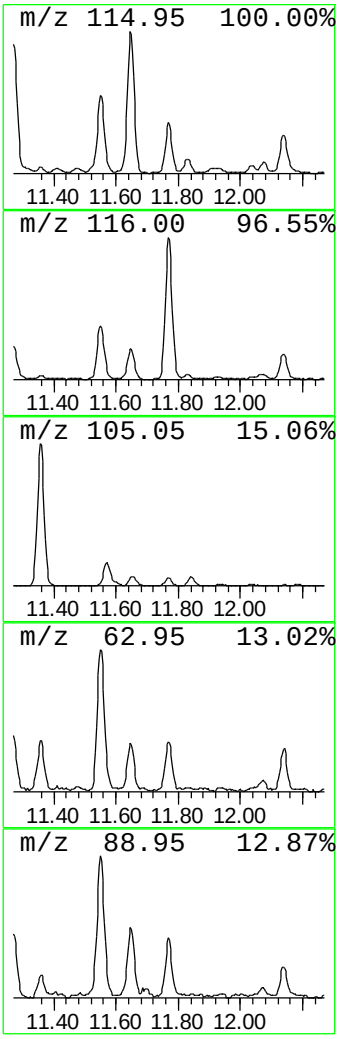
Peak Number 34 Indene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	7.84 ug/L	198851	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	93
2	Indene	116	C9H8	000095-13-6	90
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	81
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	81
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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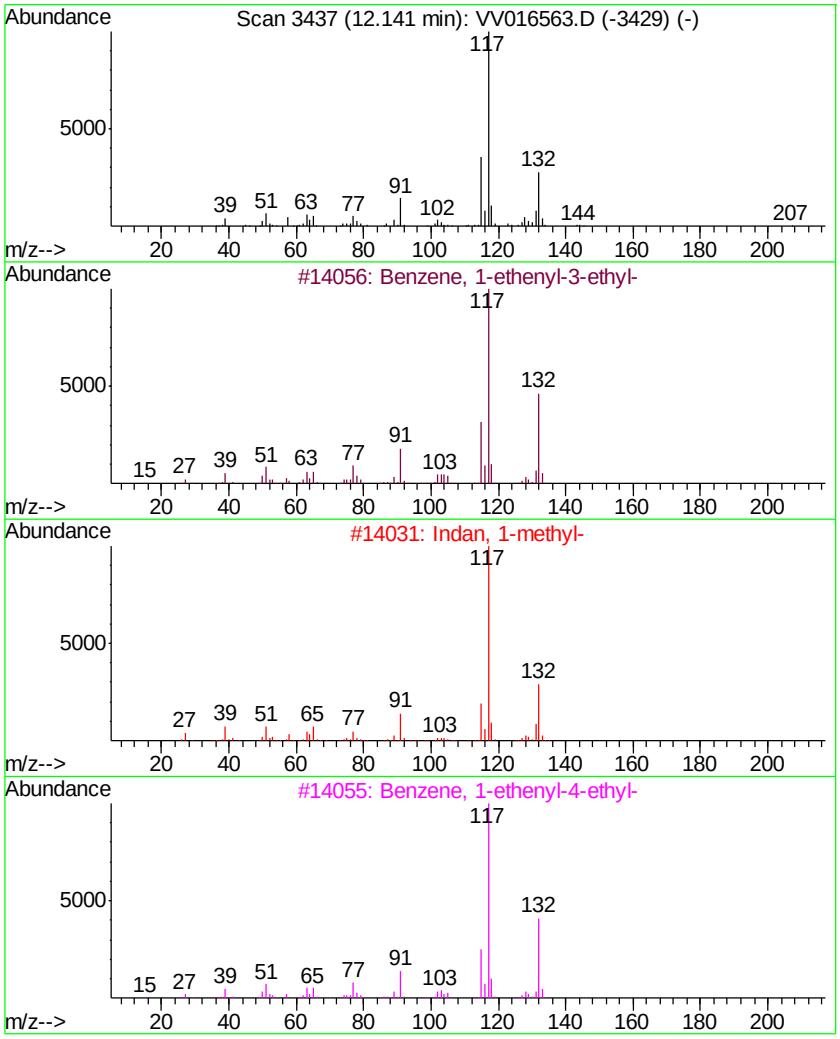
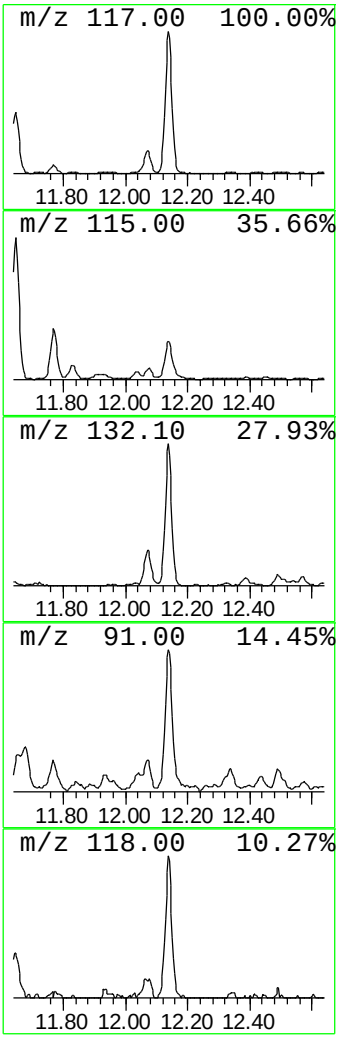
Peak Number 35 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	12.52 ug/L	317639	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	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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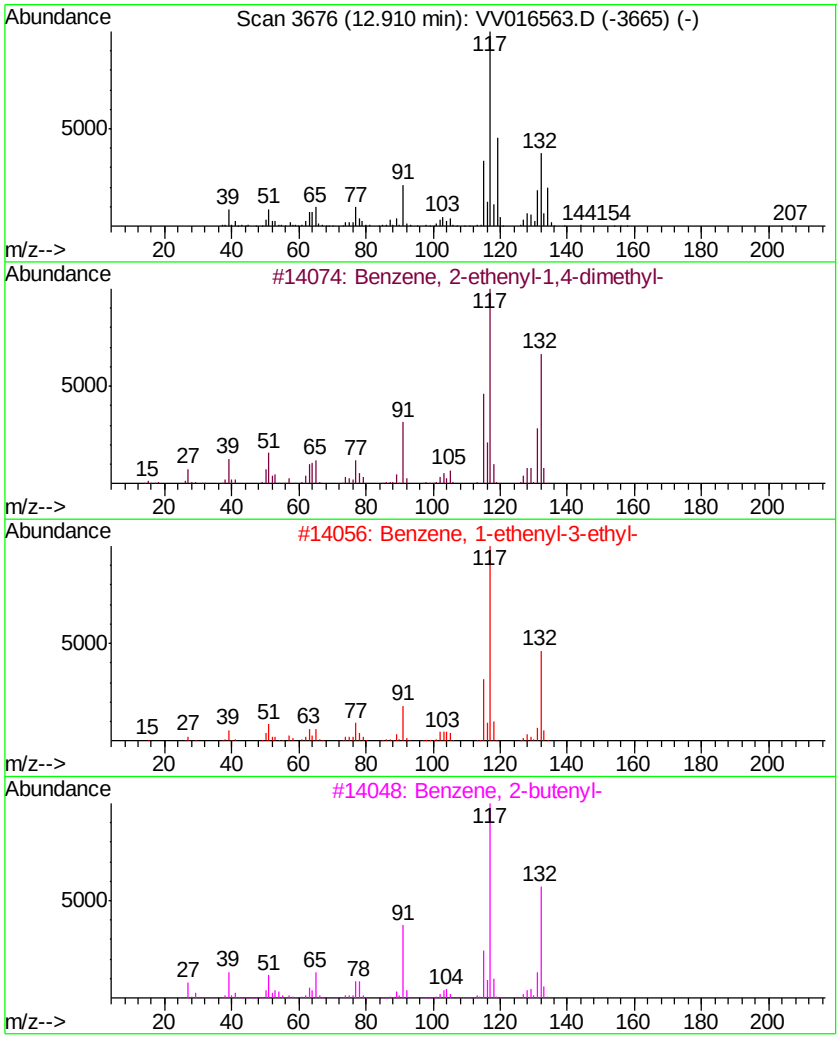
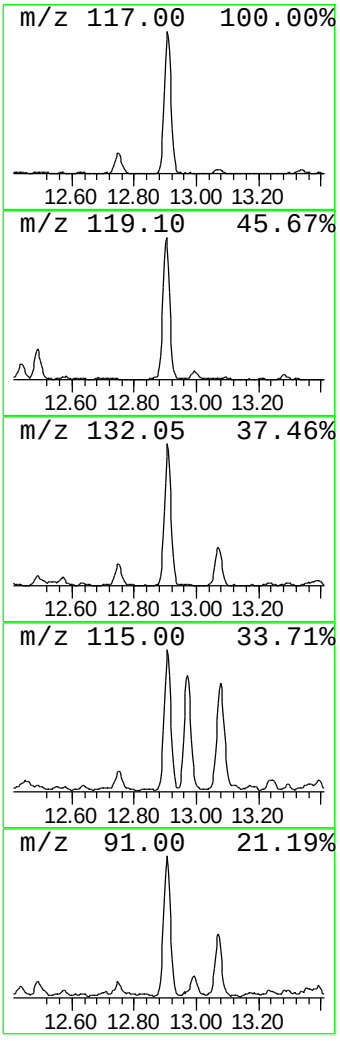
Peak Number 36 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	15.40 ug/L	390859	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, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70





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Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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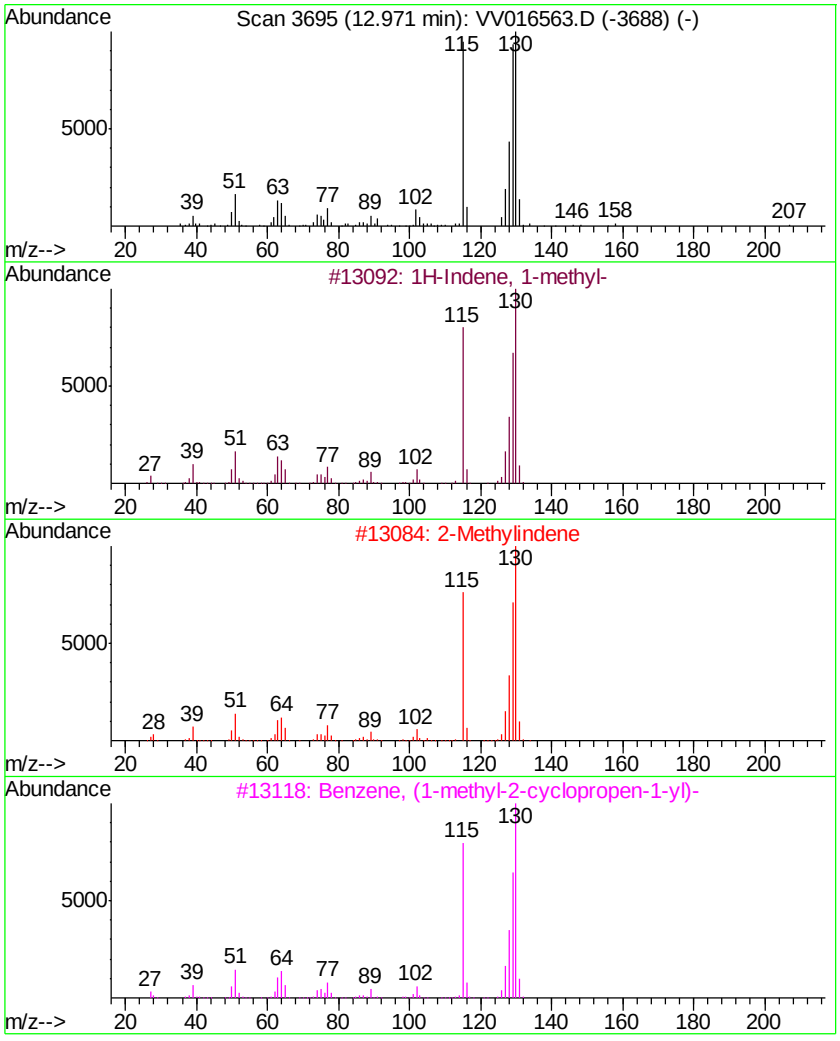
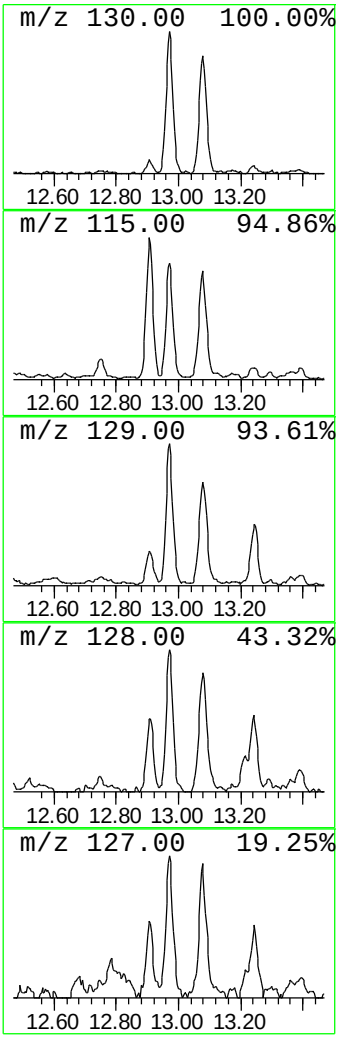
Peak Number 37 1H-Indene, 1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	6.09 ug/L	154622	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	96
2	2-Methylindene	130	C10H10	002177-47-1	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93





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Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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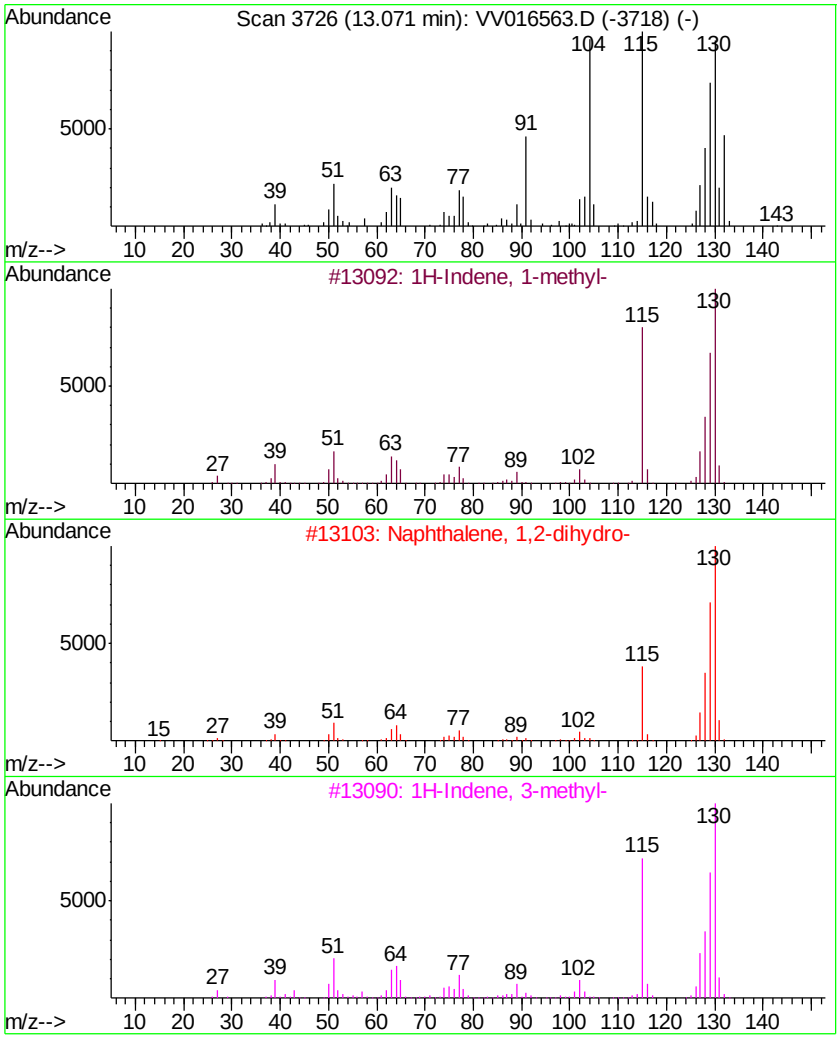
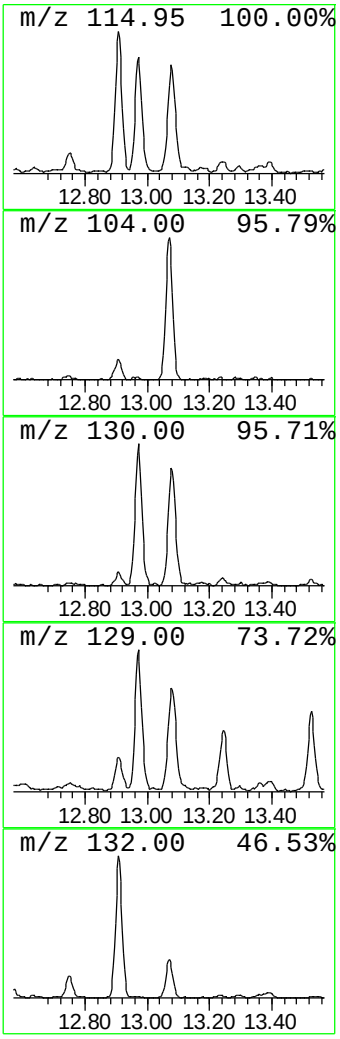
Peak Number 38 1H-Indene, 3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	6.66 ug/L	168935	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	92
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	83
3	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	78
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	64
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	64





Library Search Compound Report

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Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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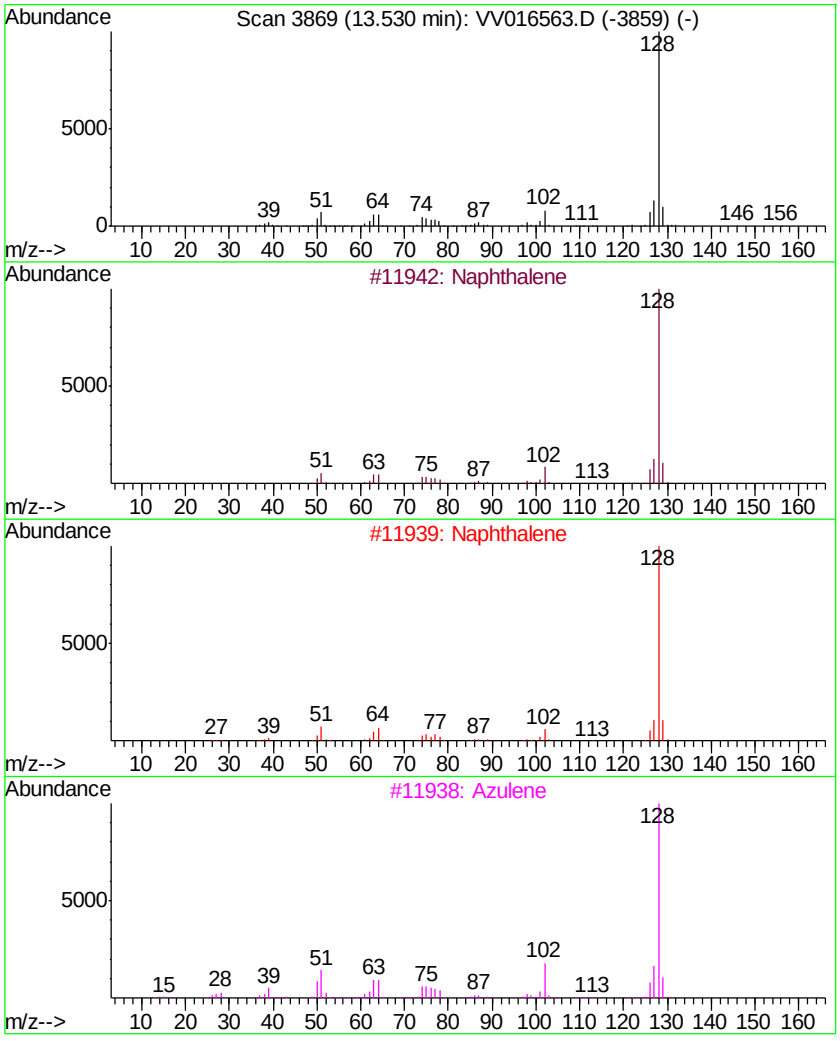
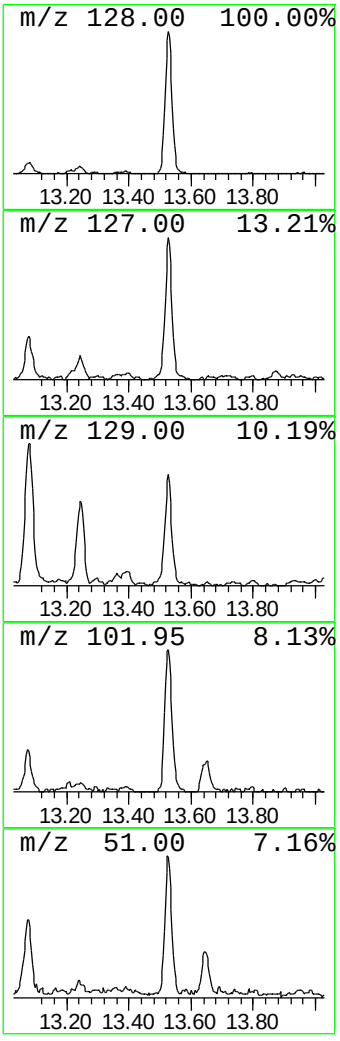
Peak Number 39 Azulene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	8.81 ug/L	223490	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	94
3	Azulene	128	C10H8	000275-51-4	91
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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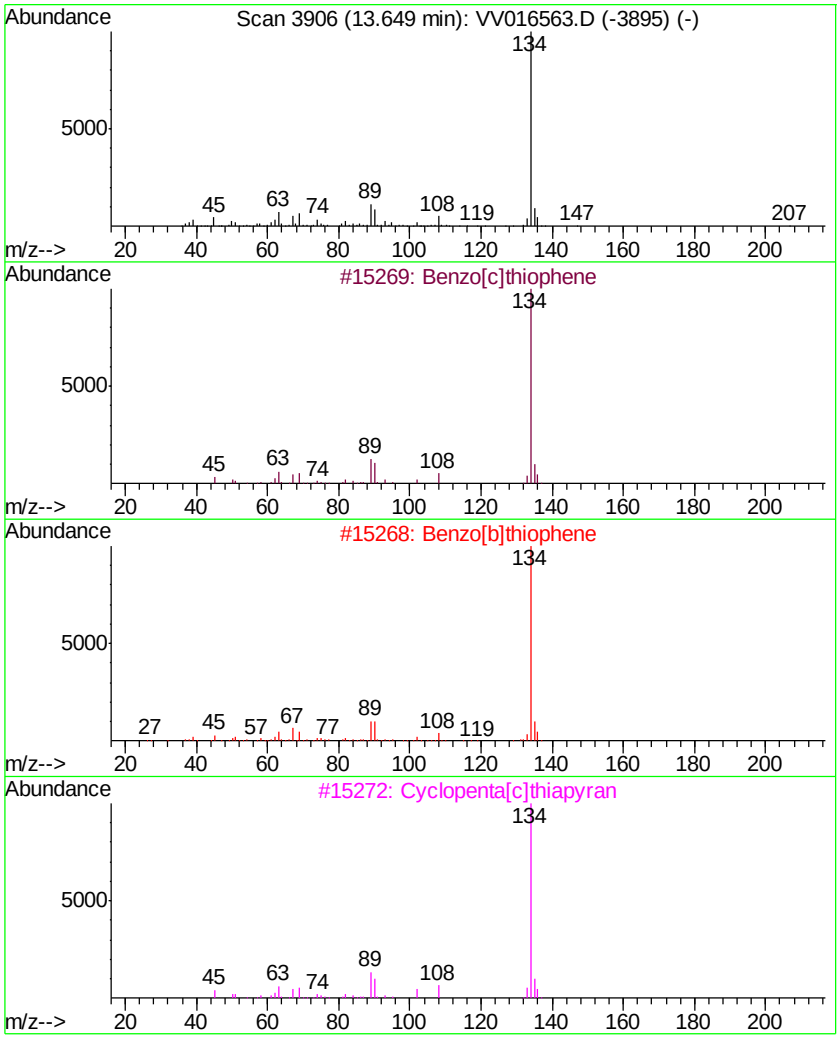
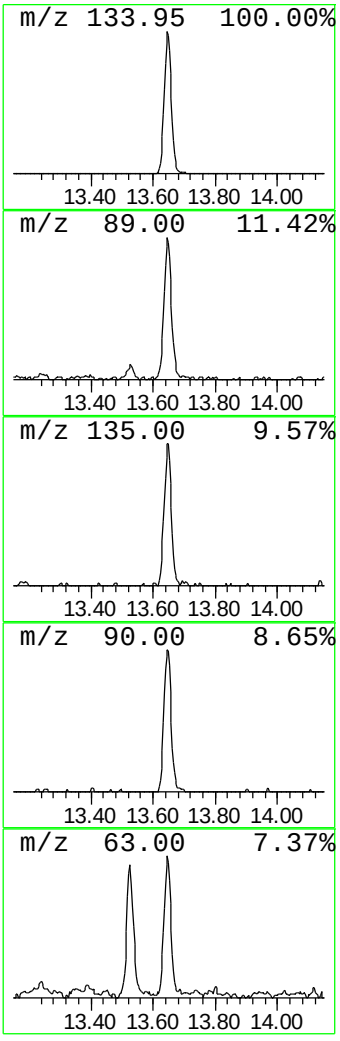
Peak Number 40 Benzo[c]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	9.56 ug/L	242753	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	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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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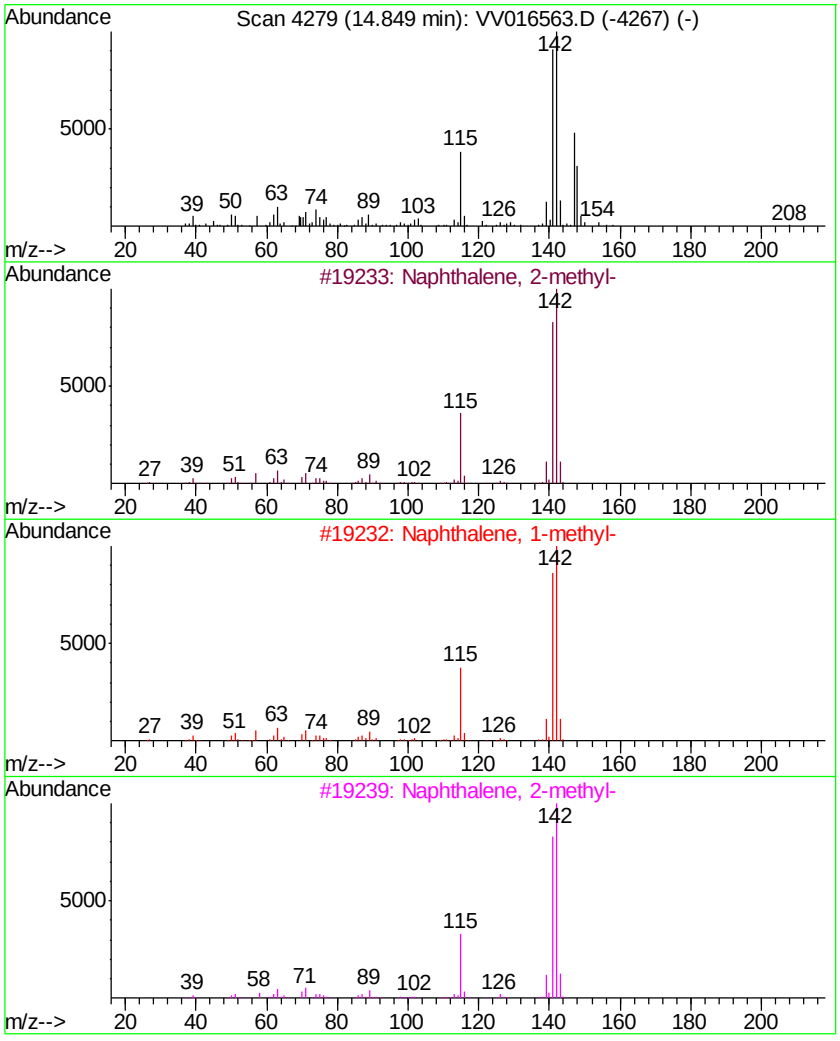
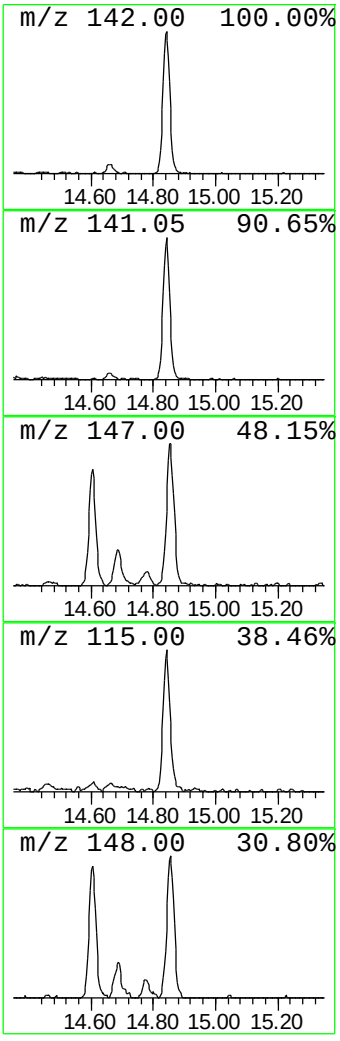
Peak Number 41 Naphthalene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	7.58 ug/L	192449	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016563.D
Acq On : 06 Jun 2020 02:52
Operator : SY/MD
Sample : L2862-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D92

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	120229	1	5.64	930633	50.0
(DEL) Alkane: Str...	1.22	28.8	ug/L	535967	1	5.64	930633	50.0
(DEL) Alkane: Str...	1.63	81.8	ug/L	1521540	1	5.64	930633	50.0
(DEL) Alkane: Str...	1.81	20.5	ug/L	381908	1	5.64	930633	50.0
(DEL) Alkane: Str...	1.90	4.0	ug/L	74841	1	5.64	930633	50.0
(DEL) Alkane: Cyc...	2.03	8.1	ug/L	150836	1	5.64	930633	50.0
Cyclopentene	2.49	7.5	ug/L	139137	1	5.64	930633	50.0
(DEL) Alkane: Cyc...	2.59	70.1	ug/L	1303910	1	5.64	930633	50.0
(DEL) Alkane: Str...	2.78	10.2	ug/L	190334	1	5.64	930633	50.0
(DEL) Alkane: Cyc...	3.78	40.3	ug/L	750212	1	5.64	930633	50.0
Thiophene	5.39	30.0	ug/L	558283	1	5.64	930633	50.0
Cyclopentene, 1,5...	6.83	3.5	ug/L	65993	1	5.64	930633	50.0
Cyclohexene, 1-me...	7.19	2.9	ug/L	54523	1	5.64	930633	50.0
Thiophene, 2-methyl-	7.54	4.8	ug/L	102809	2	8.87	1079530	50.0
Thiophene, 3-methyl-	7.72	3.7	ug/L	80556	2	8.87	1079530	50.0
Thiophene, tetrah...	8.24	6.1	ug/L	131499	2	8.87	1079530	50.0
3-Methyl-2-butene...	8.77	5.7	ug/L	122459	2	8.87	1079530	50.0
Thiophene, tetrah...	9.28	10.3	ug/L	221694	2	8.87	1079530	50.0
Thiophene, 2,3-di...	9.33	13.9	ug/L	298945	2	8.87	1079530	50.0
trans-2,3-Dimethy...	9.41	12.1	ug/L	260078	2	8.87	1079530	50.0
1,2,4-Thiadiazole...	9.74	6.3	ug/L	136188	2	8.87	1079530	50.0
Thiophene, tetrah...	9.88	7.7	ug/L	166446	2	8.87	1079530	50.0
2H-Thiopyran, tet...	10.10	5.3	ug/L	135584	3	11.27	1268970	50.0
Benzene, propyl-	10.38	4.5	ug/L	115238	3	11.27	1268970	50.0
Hydrazine, 1,1-di...	10.43	6.2	ug/L	158132	3	11.27	1268970	50.0
Benzene, 1-ethyl-...	10.76	8.7	ug/L	221803	3	11.27	1268970	50.0
trans-2-Ethyl-3-m...	10.86	7.7	ug/L	195513	3	11.27	1268970	50.0
Benzene, 1,2,3-tr...	10.94	8.9	ug/L	225136	3	11.27	1268970	50.0
unknown-01	11.12	5.5	ug/L	139818	3	11.27	1268970	50.0
Benzene, 1,2,4-tr...	11.36	15.1	ug/L	382028	3	11.27	1268970	50.0
Indane	11.55	27.1	ug/L	688407	3	11.27	1268970	50.0
Indene	11.77	7.8	ug/L	198851	3	11.27	1268970	50.0
Benzene, 1-etheny...	12.14	12.5	ug/L	317639	3	11.27	1268970	50.0
Benzene, 2-etheny...	12.91	15.4	ug/L	390859	3	11.27	1268970	50.0
1H-Indene, 1-methyl-	12.97	6.1	ug/L	154622	3	11.27	1268970	50.0
1H-Indene, 3-methyl-	13.07	6.7	ug/L	168935	3	11.27	1268970	50.0
Azulene	13.53	8.8	ug/L	223490	3	11.27	1268970	50.0
Benzo[c]thiophene	13.65	9.6	ug/L	242753	3	11.27	1268970	50.0
Naphthalene, 1-me...	14.85	7.6	ug/L	192449	3	11.27	1268970	50.0