LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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	20	rVB	264997	237487	0.17%	0.096%
2	1.222	34	41	58	rVB	704772	652355	0.46%	0.263%
3	1.312	59	69	78	rBV3	2573794	3369691	2.38%	1.357%
4	1.360	78	84	96	rVV	1127964	1092573	0.77%	0.440%
5	1.421	96	103	111	rVB	1042000	939395	0.66%	0.378%
6	1.547	135	142	157	rVB2	230417	390076	0.28%	0.157%
7	1.624	157	166	188	rVB	1531225	2008199	1.42%	0.809%
8	1.717	190	195	201	rVB2	17464	19330	0.01%	0.008%
9	1.765	201	210	217	rBV	852989	1065204	0.75%	0.429%
10	1.807	217	223	240	rVB	337151	474496	0.34%	0.191%
11	1.904	244	253	268	rBV	838531	1072034	0.76%	0.432%
12	1.987	269	279	285	rVV	490187	660486	0.47%	0.266%
13	2.029	285	292	307	rVB2	438743	652553	0.46%	0.263%
14	2.116	309	319	331	rBV	285624	419560	0.30%	0.169%
15	2.447	409	422	424	rBV2	71313	105898	0.07%	0.043%
16	2.489	425	435	453	rVB	934533	1598043	1.13%	0.644%
17	2.589	454	466	479	rBV	1161133	2115154	1.50%	0.852%
18	2.775	507	524	540	rVB2	44274	123017	0.09%	0.050%
19	2.965	566	583	601	rBV2	53958	111586	0.08%	0.045%
20	3.171	635	647	657	rBV3	32408	67181	0.05%	0.027%
21	3.238	657	668	677	rBV	58048	119067	0.08%	0.048%
22	3.383	699	713	720	rBV3	17078	36488	0.03%	0.015%
23	3.454	722	735	749	rBV3	153417	382830	0.27%	0.154%
24	3.701	798	812	823	rBV2	56542	132133	0.09%	0.053%
25	3.785	824	838	861	rVV	285655	767095	0.54%	0.309%
26	3.897	863	873	900	rVB2	111281	289427	0.20%	0.117%
27	4.103	925	937	942	rBV	8422	15096	0.01%	0.006%
28	4.373	1002	1021	1040	rBV	235428	590927	0.42%	0.238%
29	4.482	1047	1055	1071	rVB3	30461	73752	0.05%	0.030%
30	4.701	1099	1123	1145	rBV	424654	1067194	0.76%	0.430%
31	5.148	1219	1262	1277	rBV2	51044422	141307151	100.00%	56.903%
32	5.386	1324	1336	1359	rVB	985807	2026041	1.43%	0.816%
33	5.547	1377	1386	1403	rVB	65304	134300	0.10%	0.054%
34	5.640	1403	1415	1435	rBV	480124	940350	0.67%	0.379%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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	5.968	1500	1517	1536	rBV	105406	215084	0.15%	0.087%
36	6.093	1539	1556	1568	rBV	320907	647809	0.46%	0.261%
37	6.354	1628	1637	1662	rVB	73924	153611	0.11%	0.062%
38	6.595	1690	1712	1726	rBV5	47626	160322	0.11%	0.065%
39	6.823	1767	1783	1795	rBV2	82166	159735	0.11%	0.064%
40	7.010	1826	1841	1858	rBV2	270073	514234	0.36%	0.207%
41	7.161	1879	1888	1892	rBV2	46751	73880	0.05%	0.030%
42	7.248	1906	1915	1930	rVB	236264	407582	0.29%	0.164%
43	7.338	1932	1943	1952	rBV	684909	1186476	0.84%	0.478%
44	7.412	1952	1966	1980	rVV	10648463	18518755	13.11%	7.457%
45	7.486	1981	1989	1997	rVV	235448	418529	0.30%	0.169%
46	7.540	1998	2006	2020	rVB	620601	1043521	0.74%	0.420%
47	7.608	2021	2027	2030	rBV2	21896	27276	0.02%	0.011%
48	7.640	2031	2037	2050	rVB	131477	208460	0.15%	0.084%
49	7.717	2050	2061	2072	rBV	341629	565613	0.40%	0.228%
50	7.868	2097	2108	2124	rVB2	80276	166724	0.12%	0.067%
51	8.019	2144	2155	2171	rBV	404835	662216	0.47%	0.267%
52	8.106	2172	2182	2195	rBV	446580	749099	0.53%	0.302%
53	8.238	2211	2223	2237	rBV3	486776	858322	0.61%	0.346%
54	8.350	2253	2258	2269	rVB	46434	68826	0.05%	0.028%
55	8.534	2304	2315	2323	rBV4	25639	52253	0.04%	0.021%
56	8.656	2342	2353	2364	rBV6	31631	72070	0.05%	0.029%
57	8.746	2372	2381	2387	rBV2	57204	98749	0.07%	0.040%
58	8.842	2400	2411	2413	rBV4	260451	429134	0.30%	0.173%
59	8.874	2416	2421	2426	rVV	722663	1029260	0.73%	0.414%
60	8.916	2427	2434	2448	rVB2	2344984	3786986	2.68%	1.525%
61	9.035	2458	2471	2484	rBV	11869967	19112591	13.53%	7.696%
62	9.129	2494	2500	2501	rBV	298959	296086	0.21%	0.119%
63	9.161	2503	2510	2528	rVB	2236931	3744126	2.65%	1.508%
64	9.283	2536	2548	2555	rBV	740457	1231060	0.87%	0.496%
65	9.328	2556	2562	2575	rVB3	585843	971906	0.69%	0.391%
66	9.405	2576	2586	2597	rBV2	944043	1500238	1.06%	0.604%
67	9.473	2597	2607	2616	rVV3	605209	1097695	0.78%	0.442%
68	9.521	2617	2622	2627	rVV	273858	380393	0.27%	0.153%
69	9.566	2627	2636	2647	rVB	3018619	4623335	3.27%	1.862%
70	9.665	2662	2667	2668	rBV	27290	23019	0.02%	0.009%
71	9.739	2682	2690	2701	rVB2	259031	433016	0.31%	0.174%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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	9.826	2702	2717	2725	rVV3	258530	607874	0.43%	0.245%
73	9.881	2726	2734	2745	rVV3	662304	1097444	0.78%	0.442%
74	9.955	2748	2757	2775	rVB2	389042	786798	0.56%	0.317%
75	10.103	2792	2803	2817	rVB2	448116	820027	0.58%	0.330%
76	10.238	2838	2845	2854	rVB4	626886	1015006	0.72%	0.409%
77	10.286	2855	2860	2870	rBV2	129718	177178	0.13%	0.071%
78	10.376	2882	2888	2897	rVB5	515579	758778	0.54%	0.306%
79	10.431	2899	2905	2912	rVB	426364	543691	0.38%	0.219%
80	10.701	2972	2989	2999	rBV6	137899	341673	0.24%	0.138%
81	10.762	2999	3008	3014	rBV	582948	1008967	0.71%	0.406%
82	10.936	3054	3062	3071	rVB	599199	889965	0.63%	0.358%
83	11.119	3110	3119	3126	rBV6	207677	460642	0.33%	0.185%
84	11.270	3157	3166	3177	rVB3	914281	1477132	1.05%	0.595%
85	11.357	3184	3193	3202	rBV2	779443	1177666	0.83%	0.474%
86	11.550	3244	3253	3264	rBV	641966	1022412	0.72%	0.412%
87	11.646	3276	3283	3294	rVB	711221	1100680	0.78%	0.443%
88	11.772	3313	3322	3334	rBV3	389759	655149	0.46%	0.264%
89	11.942	3369	3375	3384	rVB	234684	351986	0.25%	0.142%
90	12.116	3421	3429	3446	rBV3	243901	540717	0.38%	0.218%
91	12.906	3668	3675	3689	rBV4	158009	303886	0.22%	0.122%
92	12.987	3690	3700	3714	rVB3	167349	352648	0.25%	0.142%
93	13.074	3720	3727	3745	rVB5	124051	246075	0.17%	0.099%
94	13.244	3773	3780	3798	rVB5	81430	153379	0.11%	0.062%
95	13.527	3858	3868	3889	rVB	600846	959066	0.68%	0.386%
96	13.646	3896	3905	3924	rVB	248200	407109	0.29%	0.164%
97	14.315	4106	4113	4131	rVB3	43160	73906	0.05%	0.030%
98	14.463	4152	4159	4161	rBV7	20645	25852	0.02%	0.010%
99	14.601	4196	4202	4212	rVB3	35024	56372	0.04%	0.023%
100	14.845	4268	4278	4292	rBV2	94261	173703	0.12%	0.070%

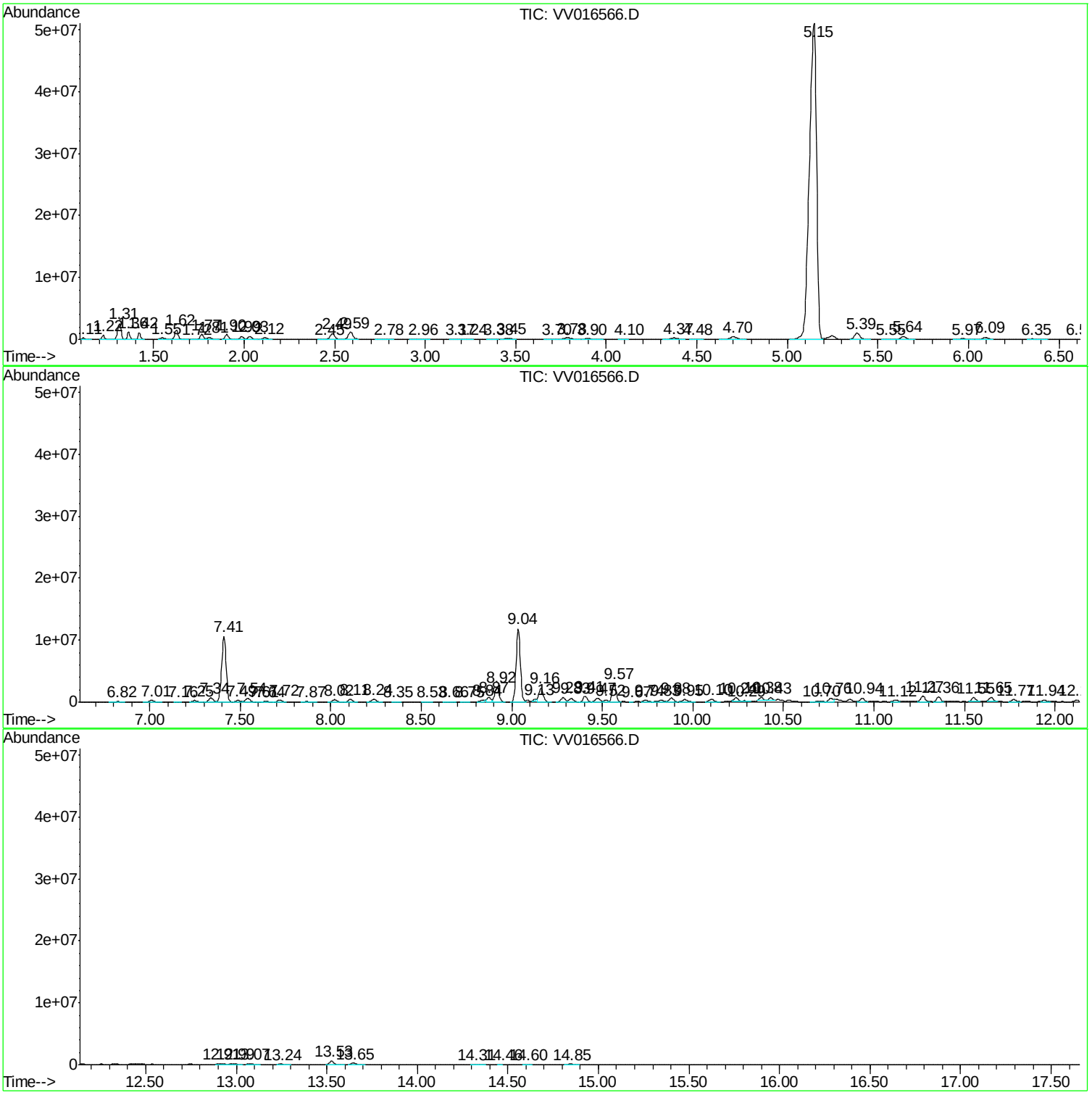
Sum of corrected areas: 248329941

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9D99

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 : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

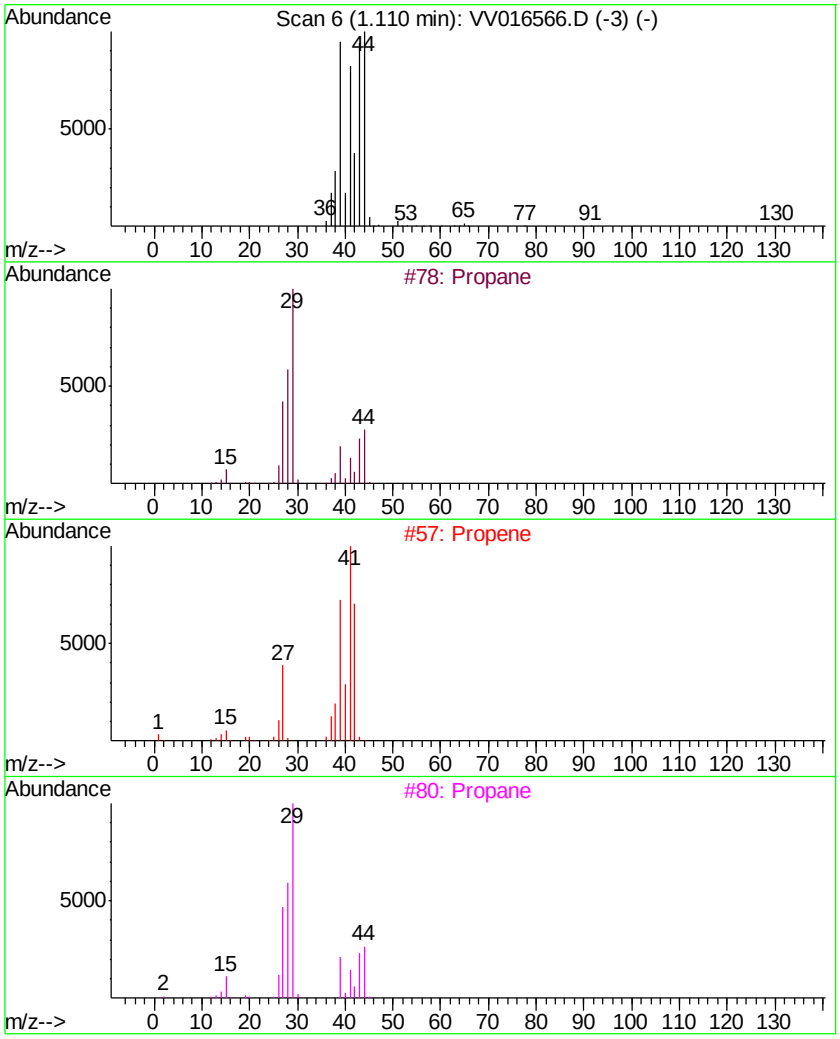
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

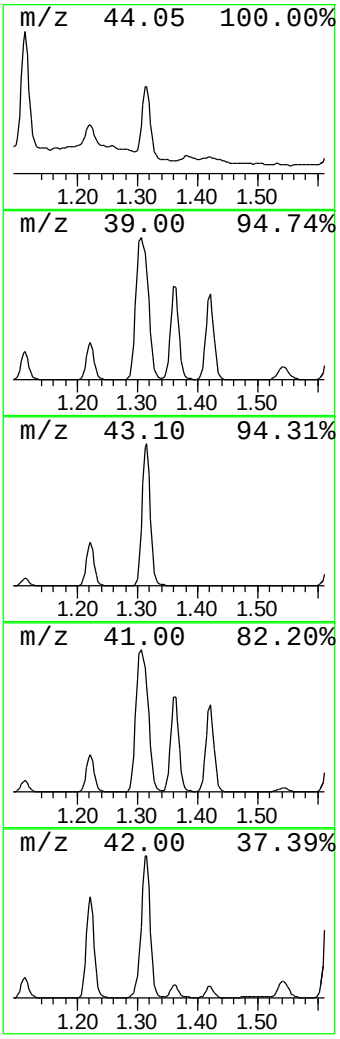
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.11	12.63 ug/L	237487	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	74
2	Propene	42	C3H6	000115-07-1	9
3	Propane	44	C3H8	000074-98-6	5
4	Propane	44	C3H8	000074-98-6	5
5	Cyclopropene	40	C3H4	002781-85-3	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

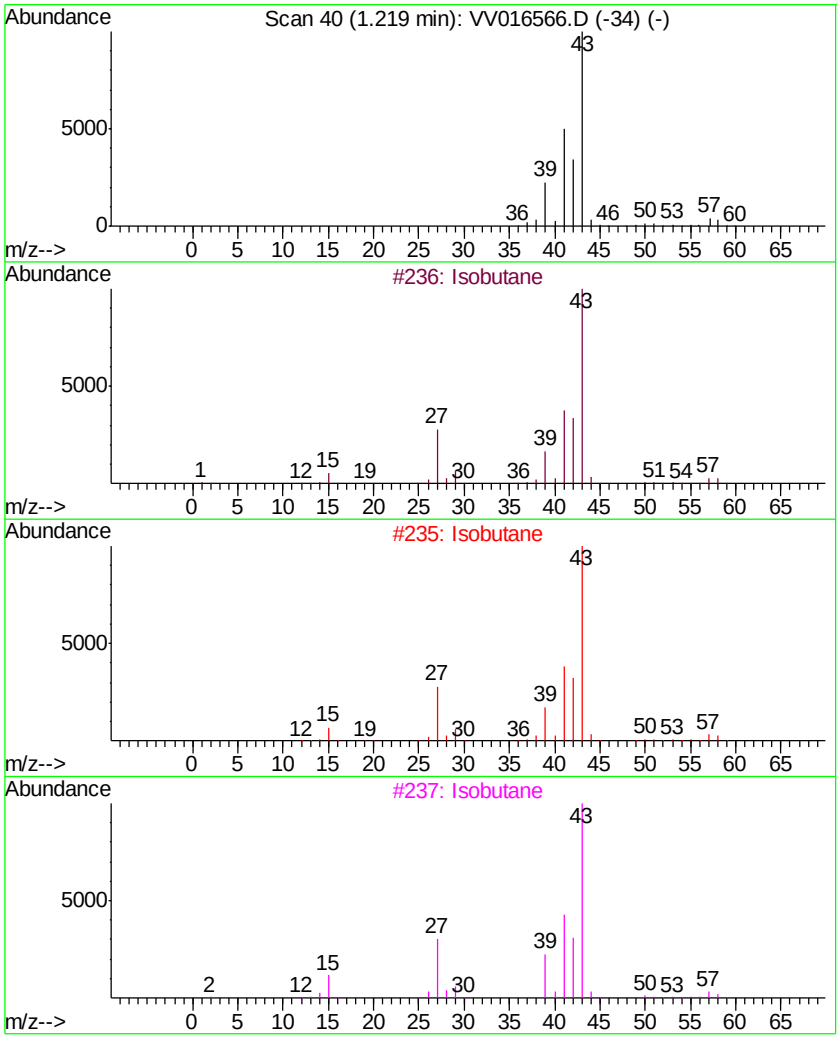
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

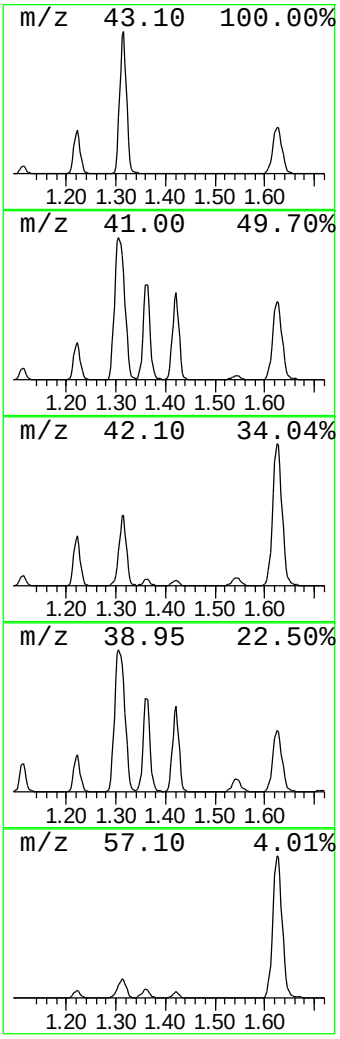
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	34.69 ug/L	652355	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	72
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	53
5	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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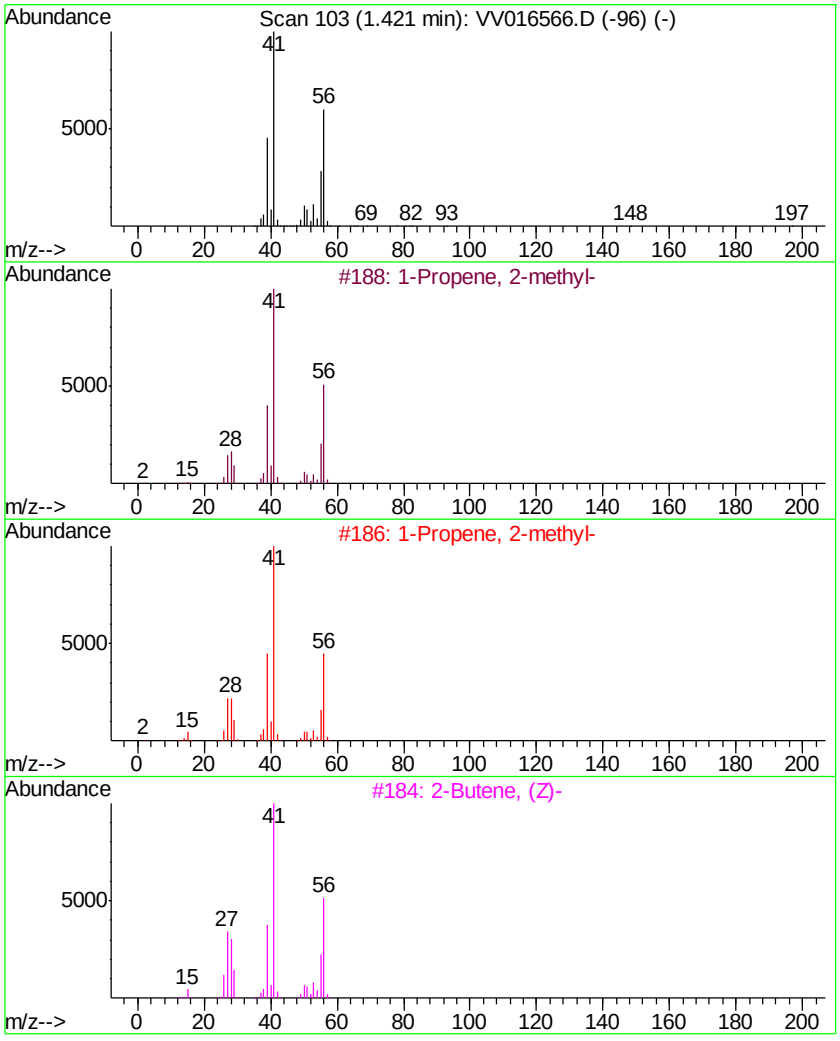
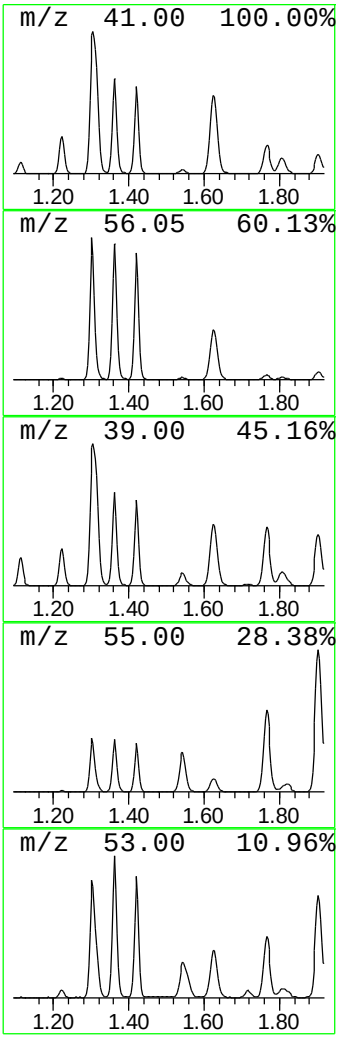
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.42	49.95 ug/L	939395	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	87
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	87
3	2-Butene, (Z)-	56	C4H8	000590-18-1	74
4	2-Butene, (E)-	56	C4H8	000624-64-6	72
5	2-Butene	56	C4H8	000107-01-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

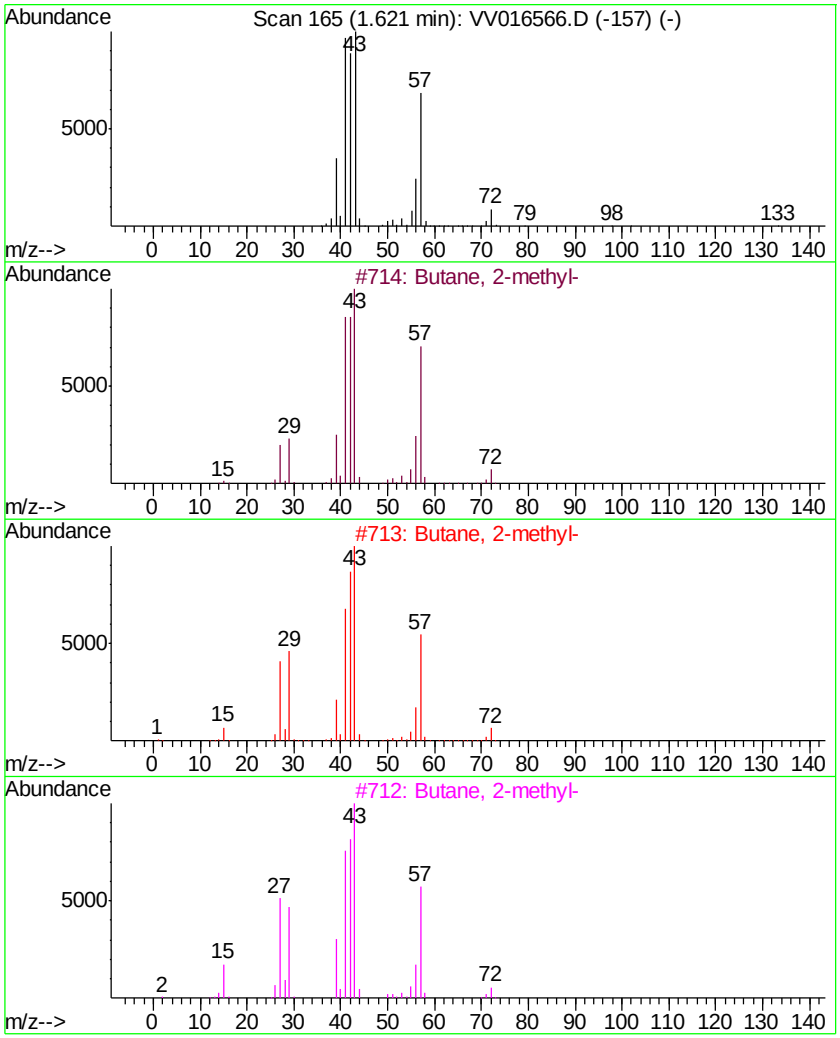
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

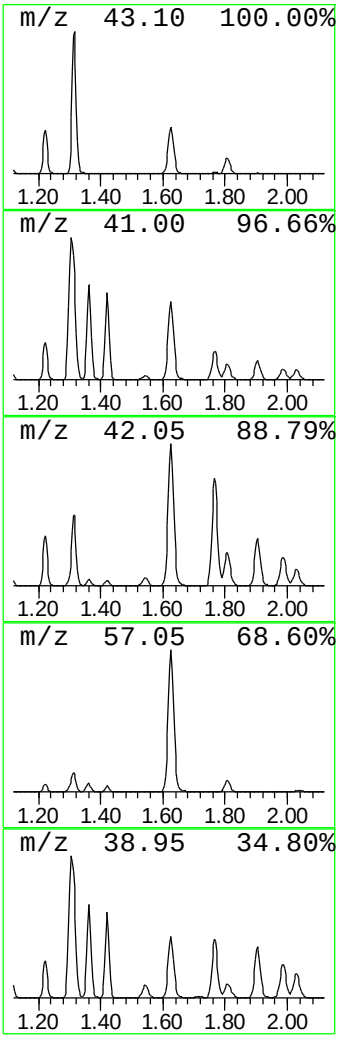
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.62	106.78 ug/L	2008200	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	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	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

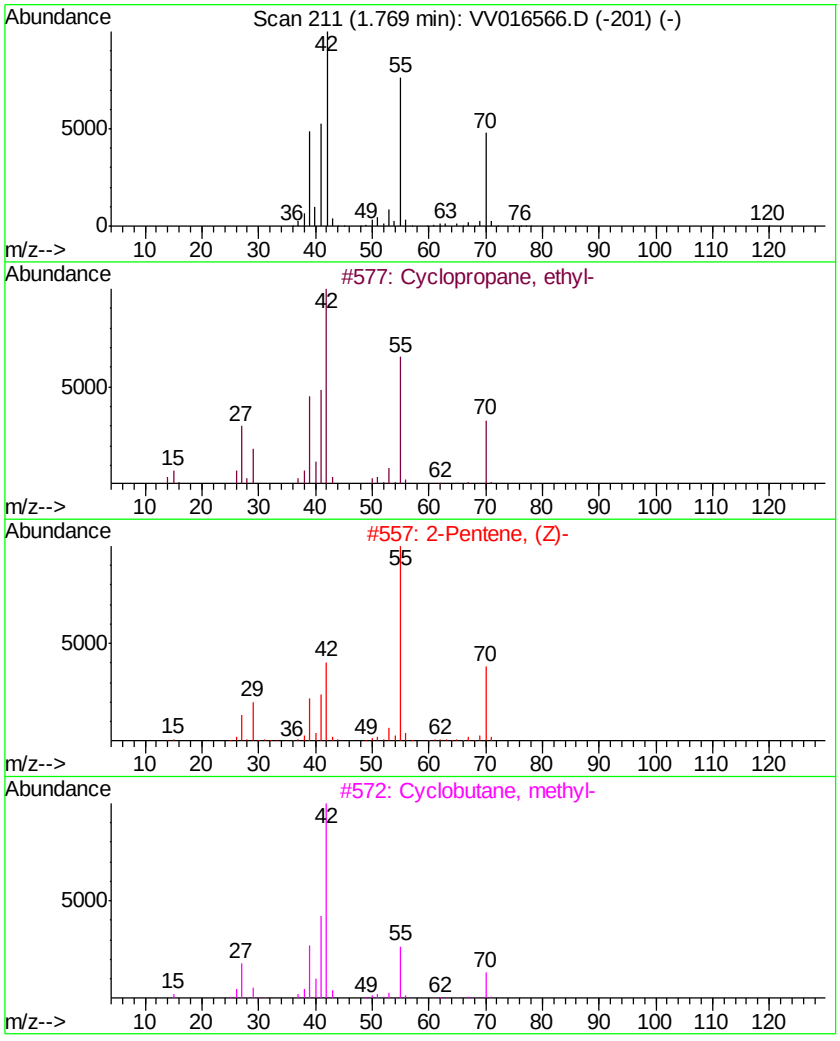
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

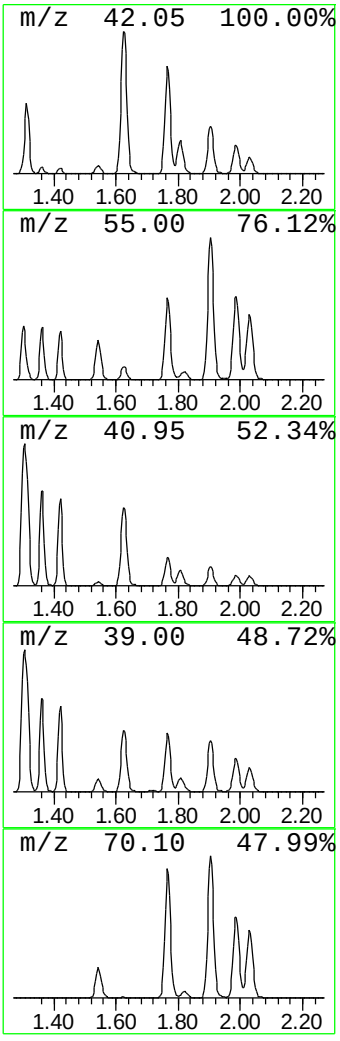
****

Peak Number 5 (DEL) Alkane: Cyclic1.77 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.77	56.64 ug/L	1065200	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	86
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	74
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	74
4	1-Pentene	70	C5H10	000109-67-1	70
5	1-Pentene	70	C5H10	000109-67-1	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

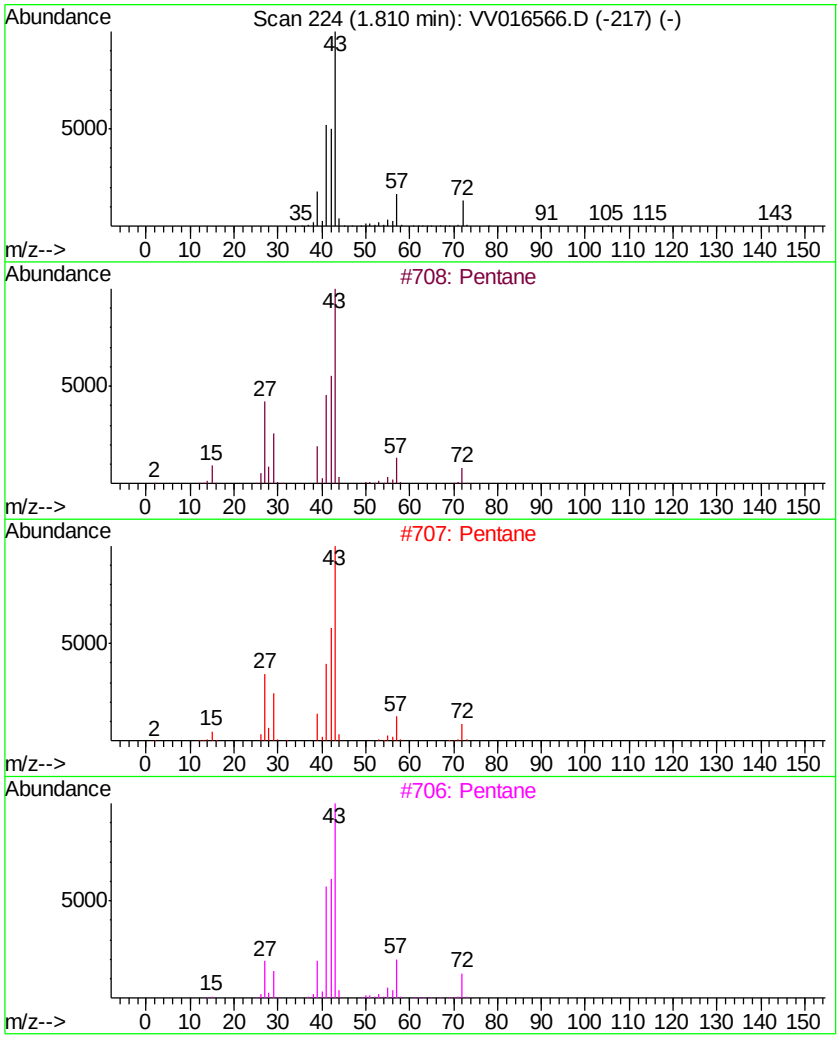
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

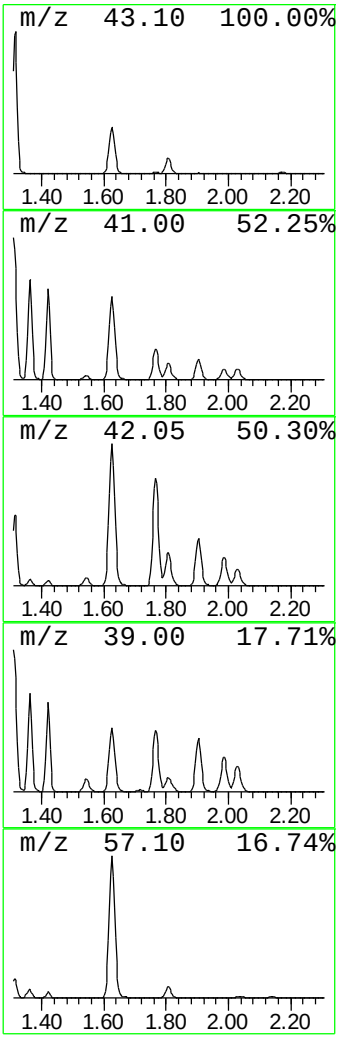
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.81	25.23 ug/L	474496	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	80
4	Pentane	72	C5H12	000109-66-0	64
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	53





Library Search Compound Report

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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

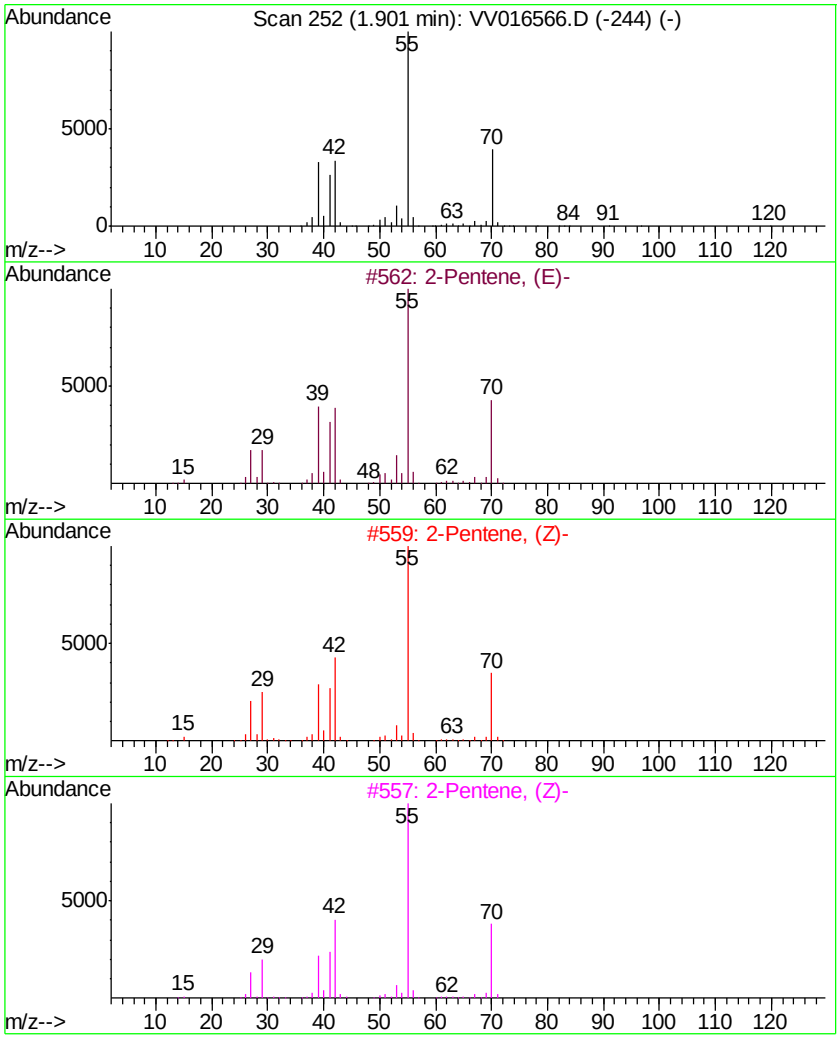
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

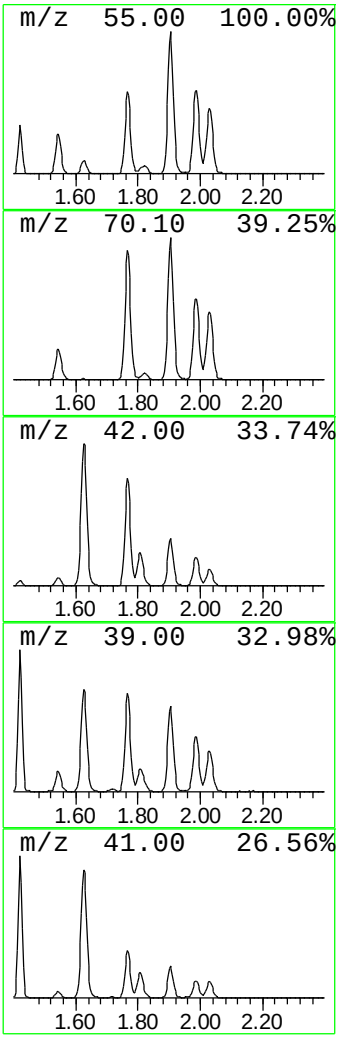
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.90	57.00 ug/L	1072030	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	93
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
5	2-Methyl-1-butene	70	C5H10	000563-46-2	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

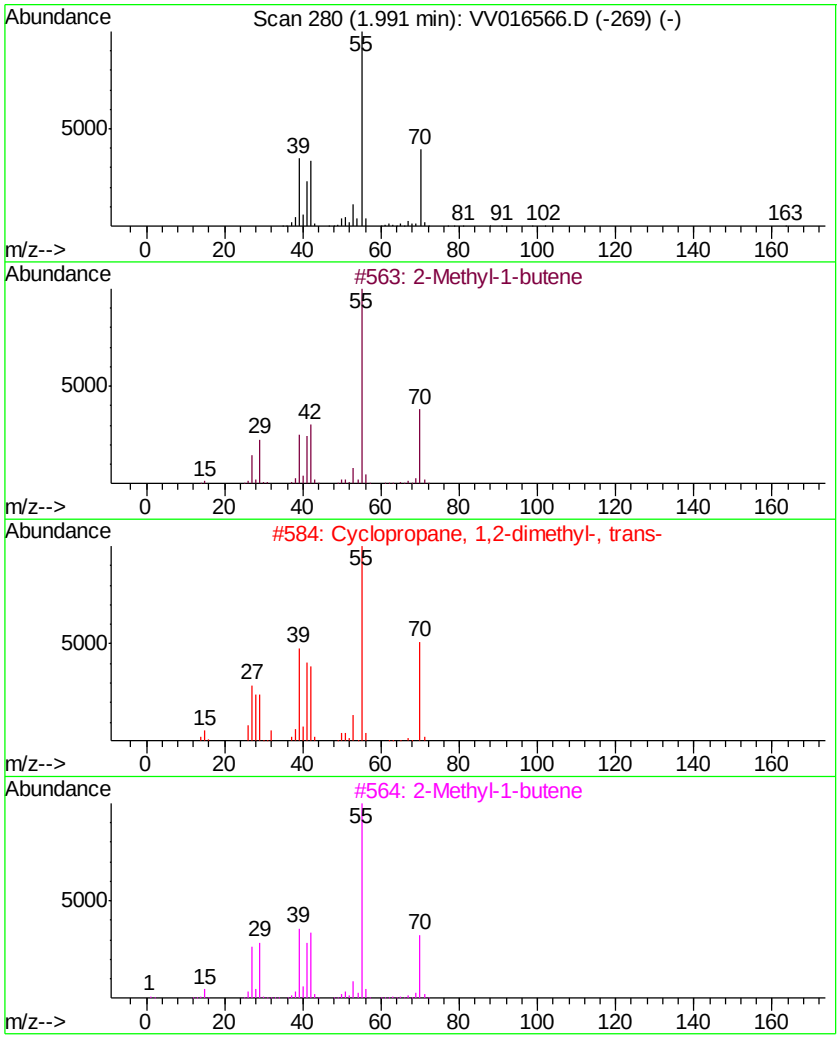
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

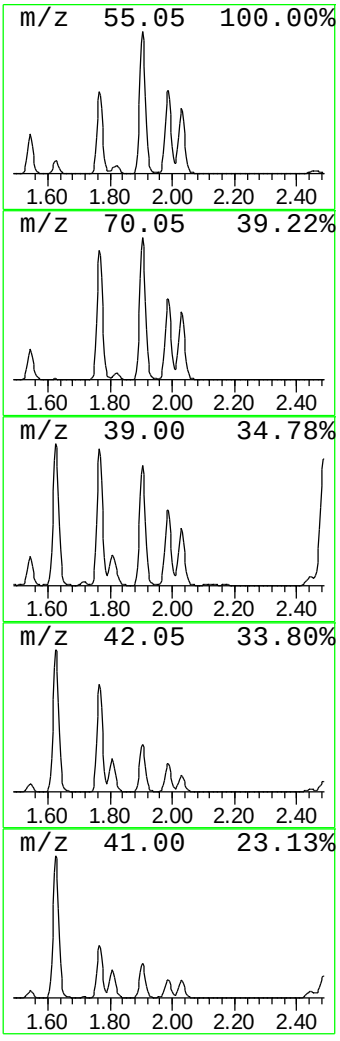
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.99	35.12 ug/L	660486	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-, trans-	70	C5H10	002402-06-4	87
3	2-Methyl-1-butene	70	C5H10	000563-46-2	87
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	86
5	2-Pentene, (E)-	70	C5H10	000646-04-8	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

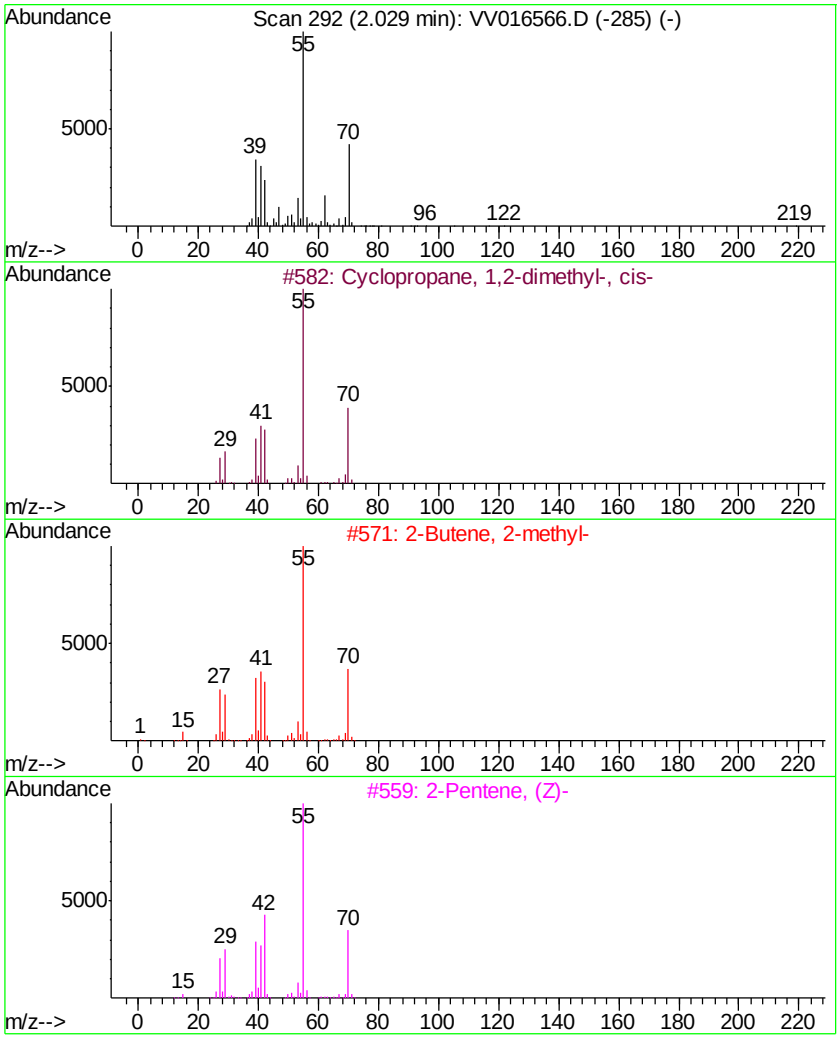
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

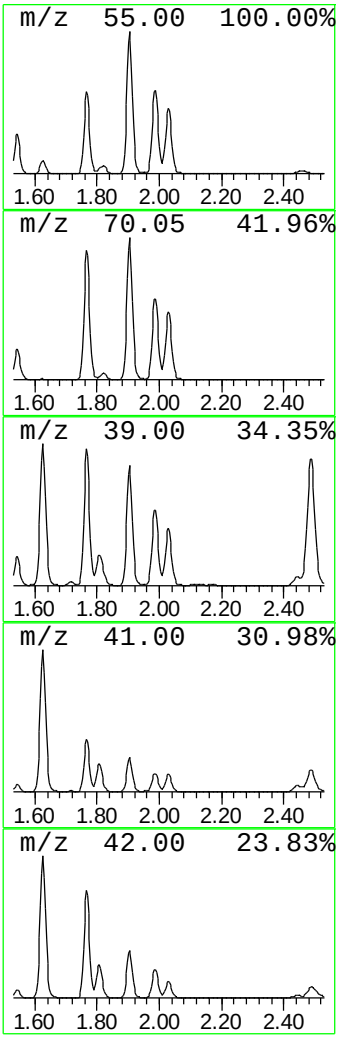
****

Peak Number 9 (DEL) Alkane: Cyclic2.03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.03	34.70 ug/L	652553	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	60
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	60
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	50
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	49
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

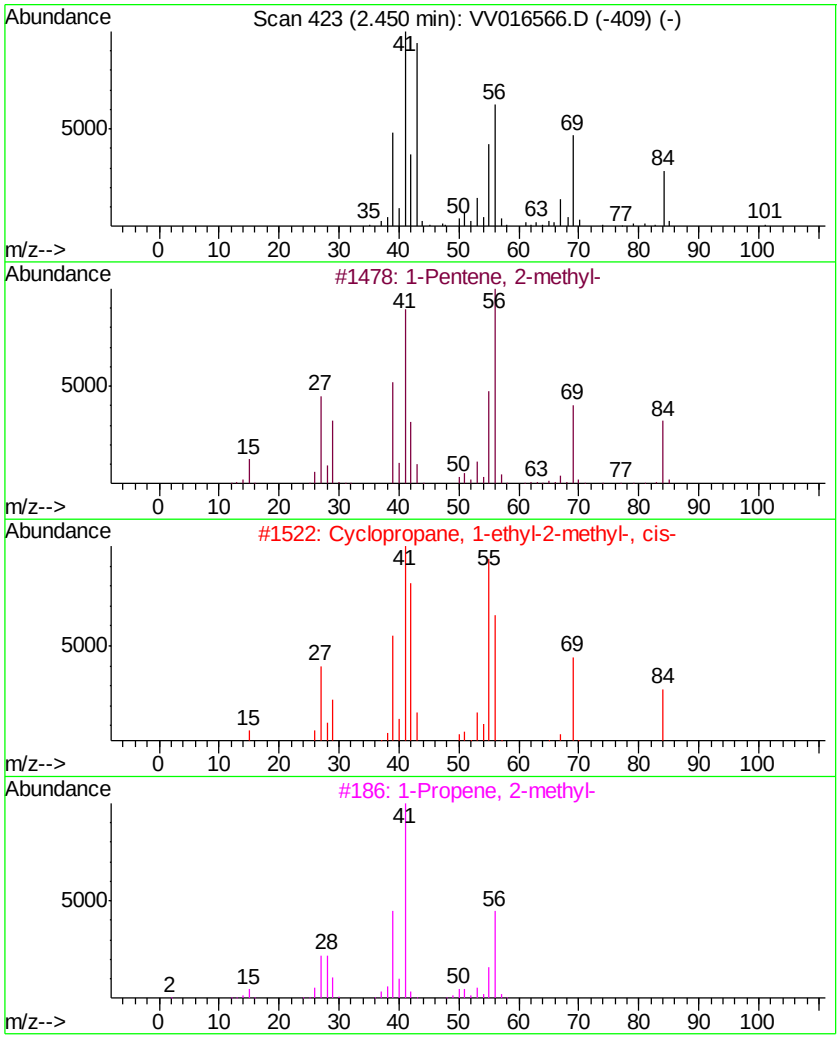
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

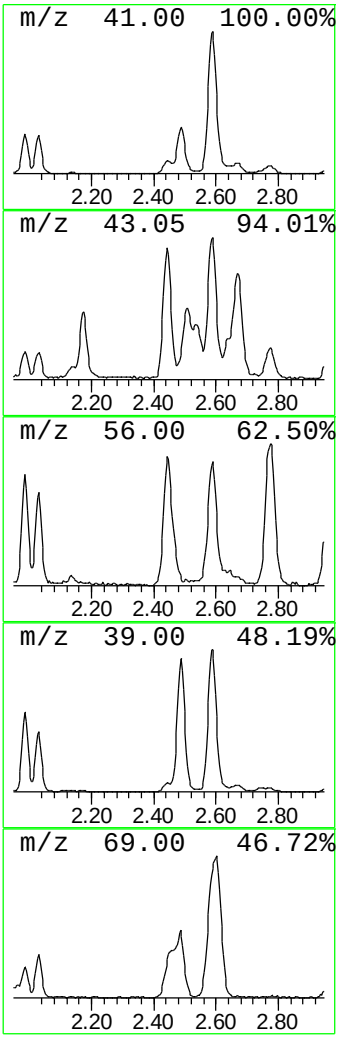
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.45	5.63 ug/L	105898	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
2	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	52
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	46
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	43
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

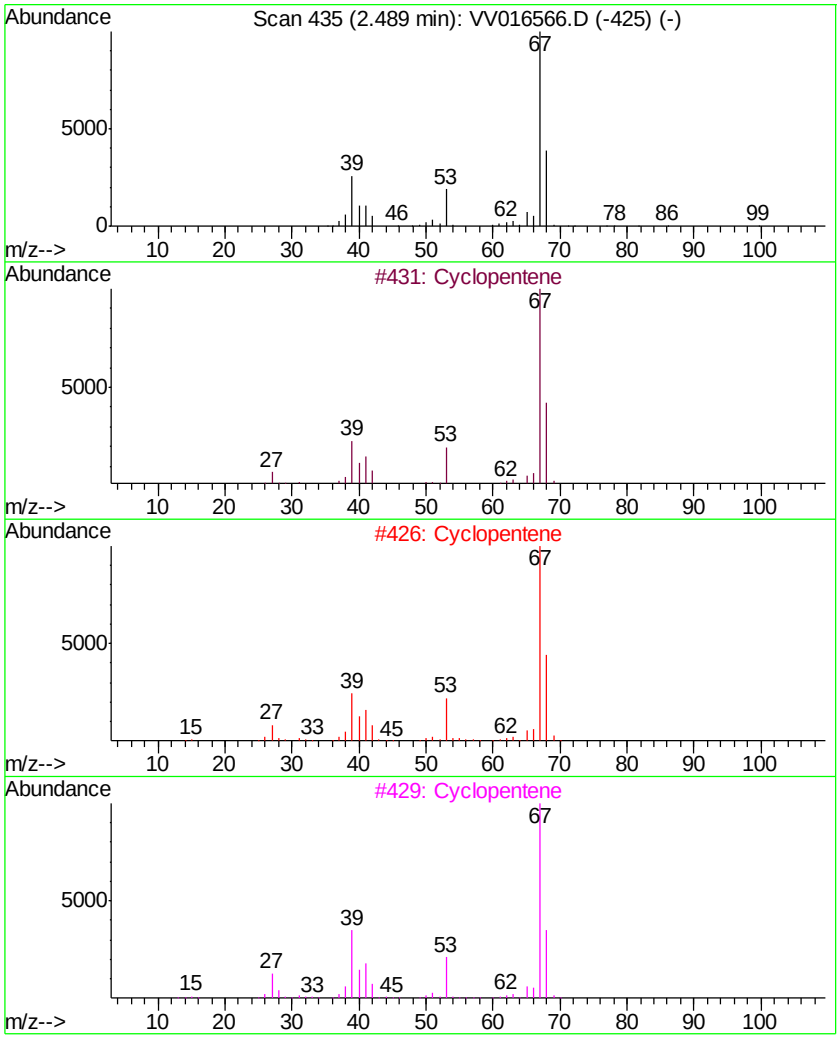
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

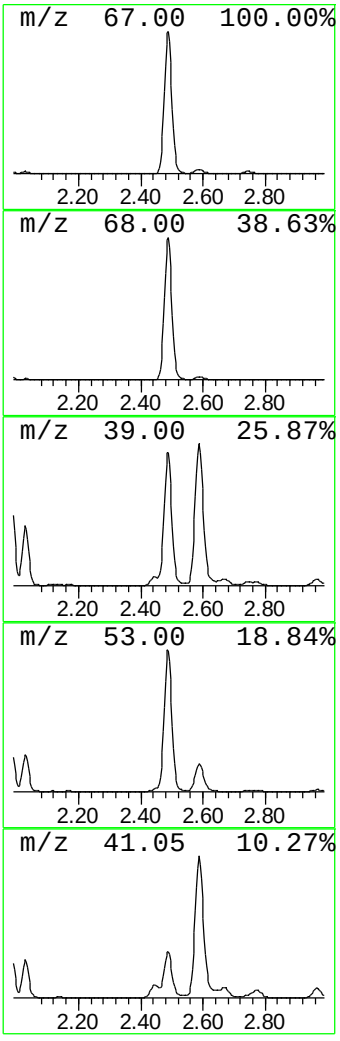
****

Peak Number 11 Cyclopentene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	84.97 ug/L	1598040	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	91
2	Cyclopentene	68	C5H8	000142-29-0	91
3	Cyclopentene	68	C5H8	000142-29-0	87
4	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	78
5	Cyclopentene	68	C5H8	000142-29-0	78





Library Search Compound Report

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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

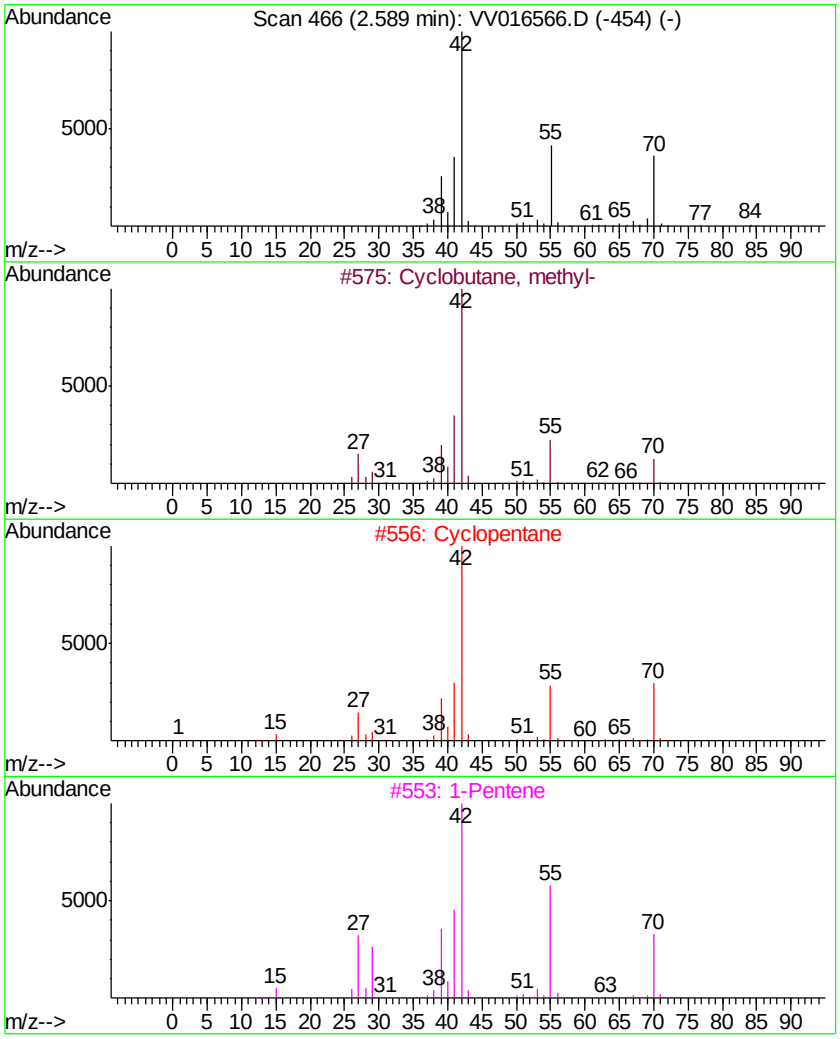
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

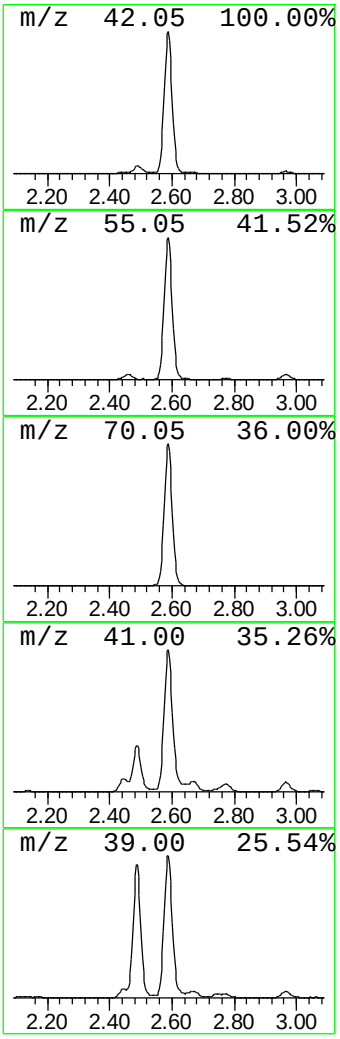
****

Peak Number 12 (DEL) Alkane: Cyclic2.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	112.47 ug/L	2115150	1,4-Difluorobenzene	5.64

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





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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

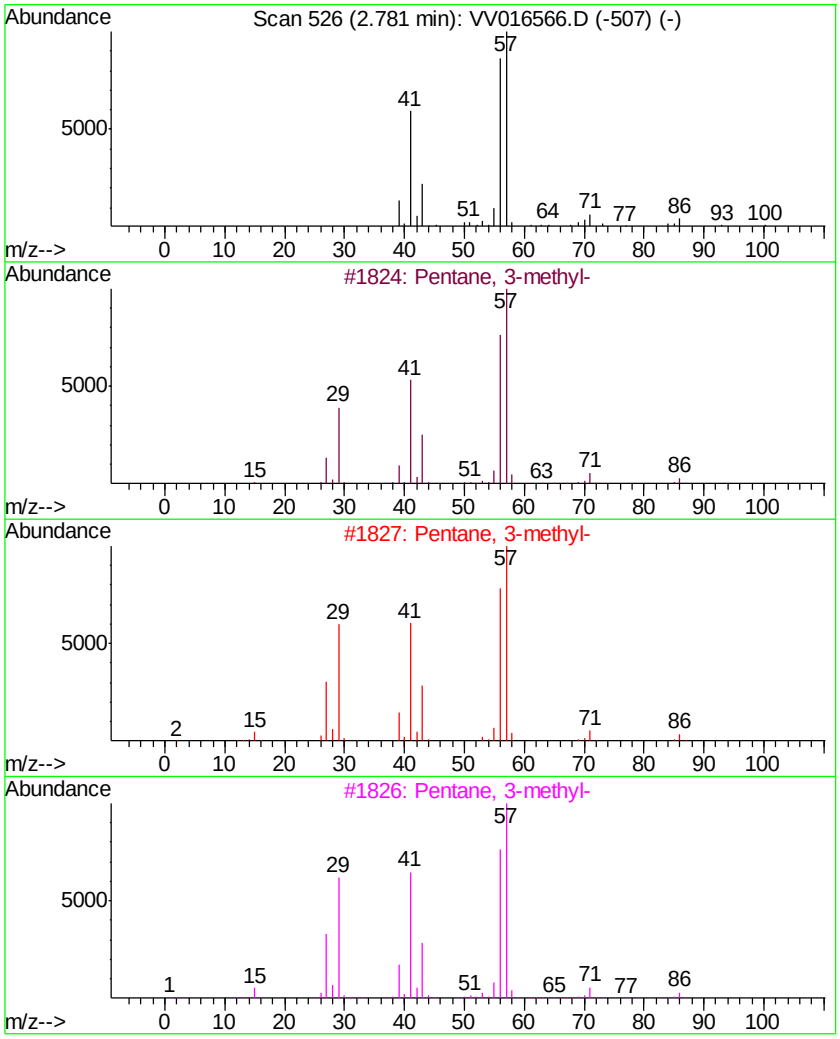
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

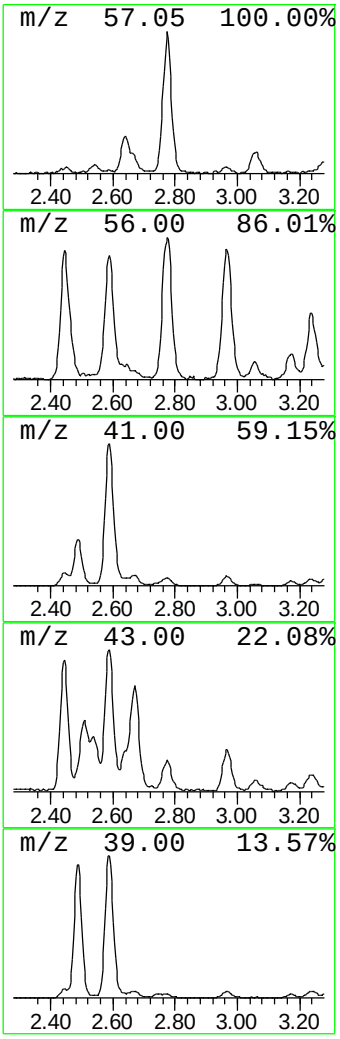
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	6.54 ug/L	123017	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

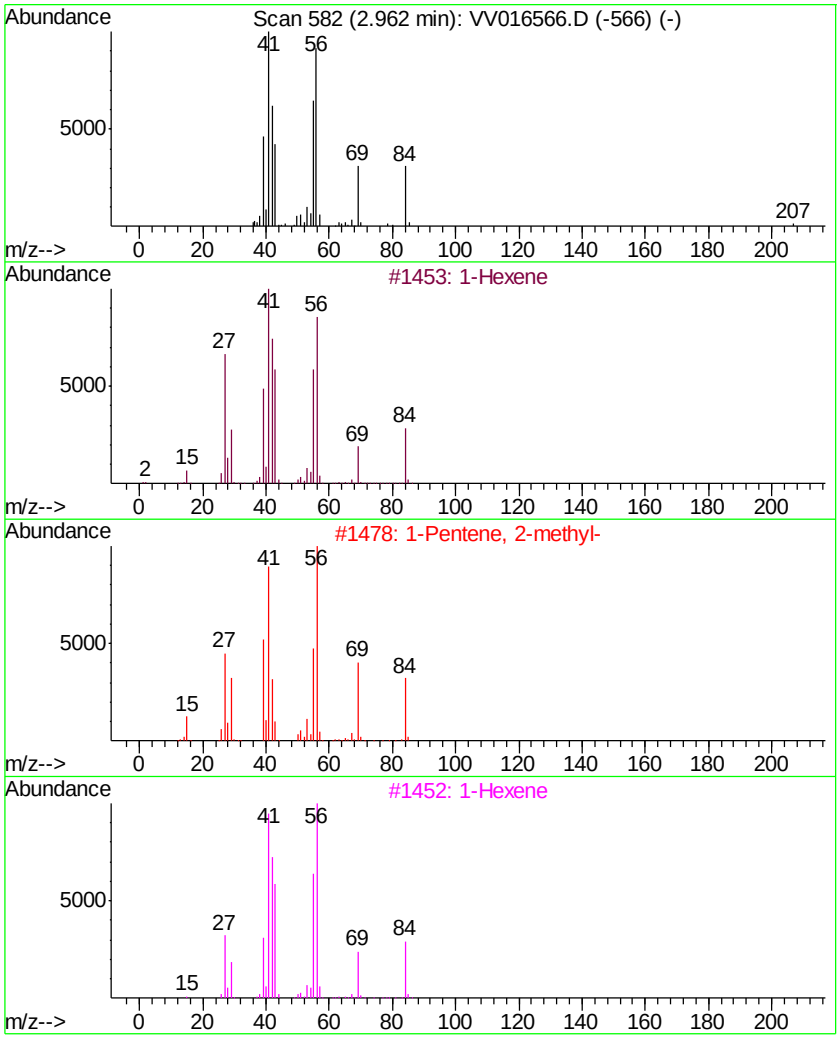
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

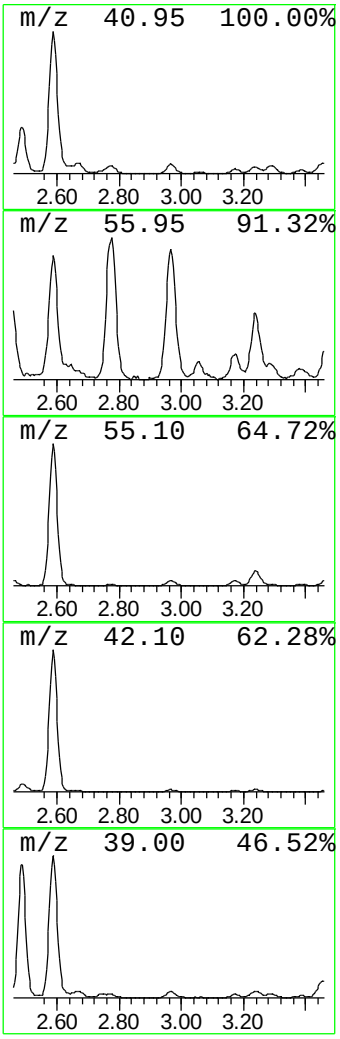
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.96	5.93 ug/L	111586	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	91
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	86
3	1-Hexene	84	C6H12	000592-41-6	81
4	2-Hexene, (Z)-	84	C6H12	007688-21-3	53
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	53





Library Search Compound Report

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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

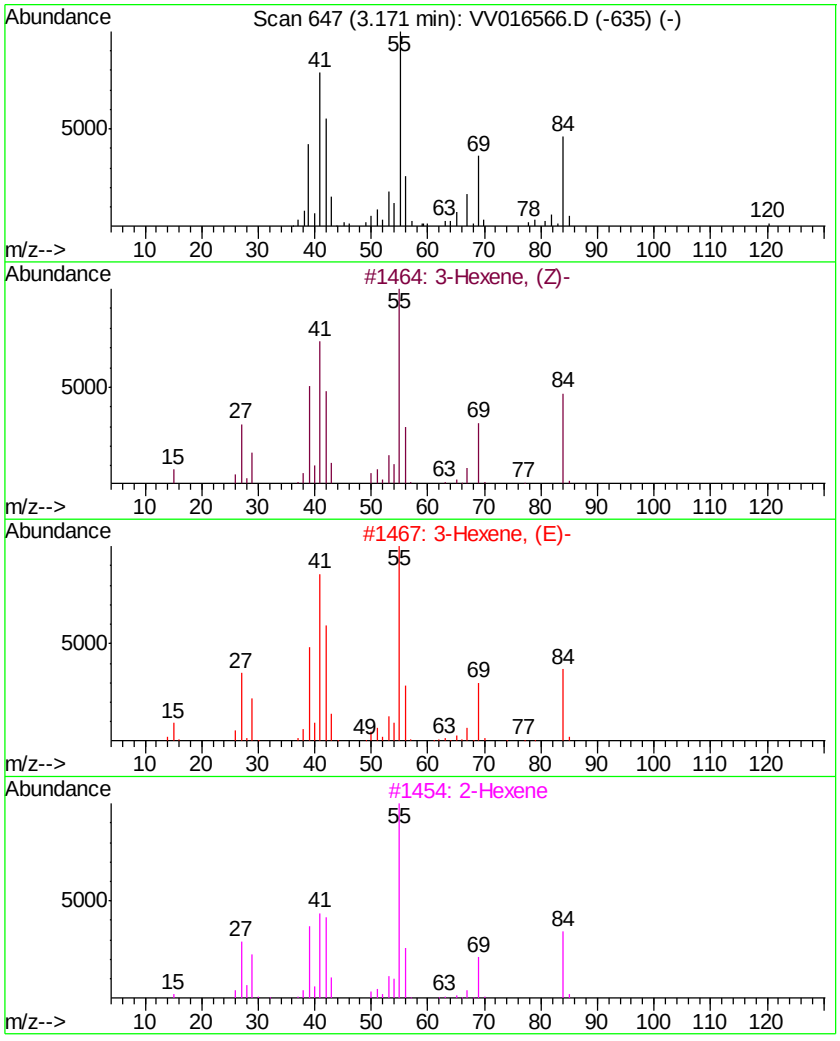
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

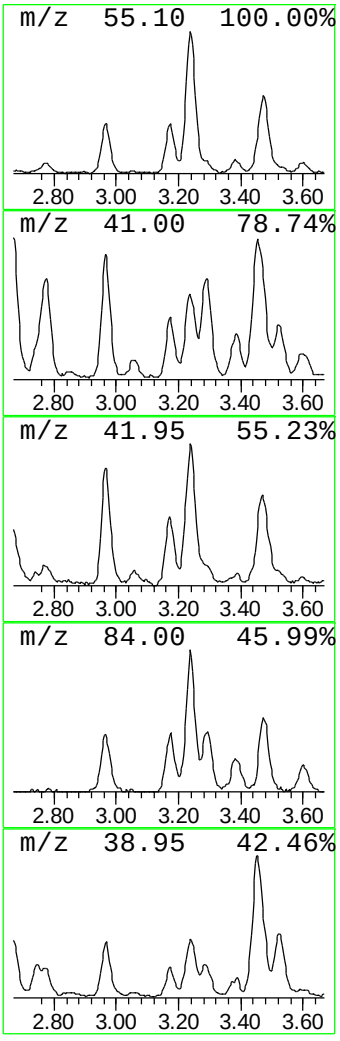
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	3.57 ug/L	67181	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, (Z)-	84	C6H12	007642-09-3	91
2	3-Hexene, (E)-	84	C6H12	013269-52-8	91
3	2-Hexene	84	C6H12	000592-43-8	64
4	3-Hexene, (E)-	84	C6H12	013269-52-8	59
5	3-Hexene, (Z)-	84	C6H12	007642-09-3	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

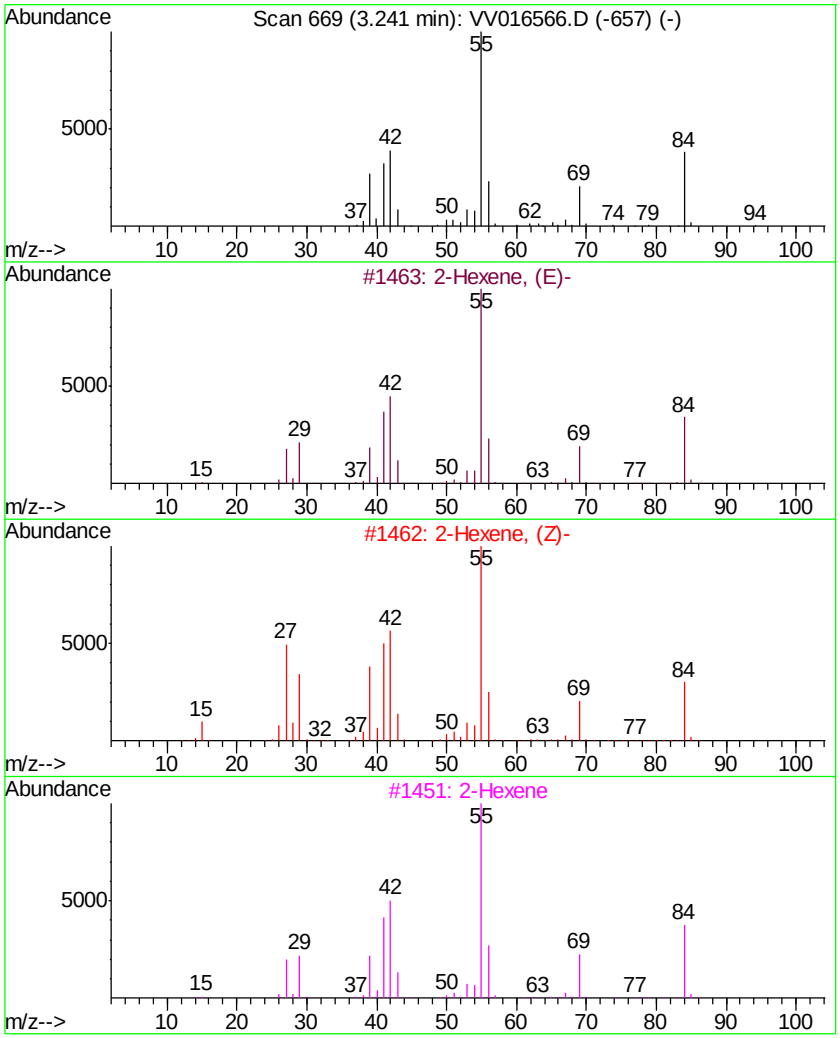
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

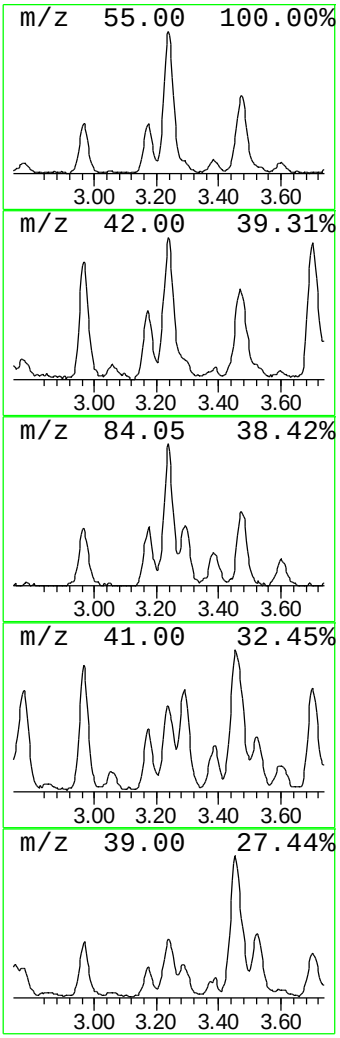
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	6.33 ug/L	119067	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, (E)-	84	C6H12	004050-45-7	91
2	2-Hexene, (Z)-	84	C6H12	007688-21-3	91
3	2-Hexene	84	C6H12	000592-43-8	91
4	2-Hexene, (E)-	84	C6H12	004050-45-7	91
5	3-Hexene, (Z)-	84	C6H12	007642-09-3	87





Library Search Compound Report

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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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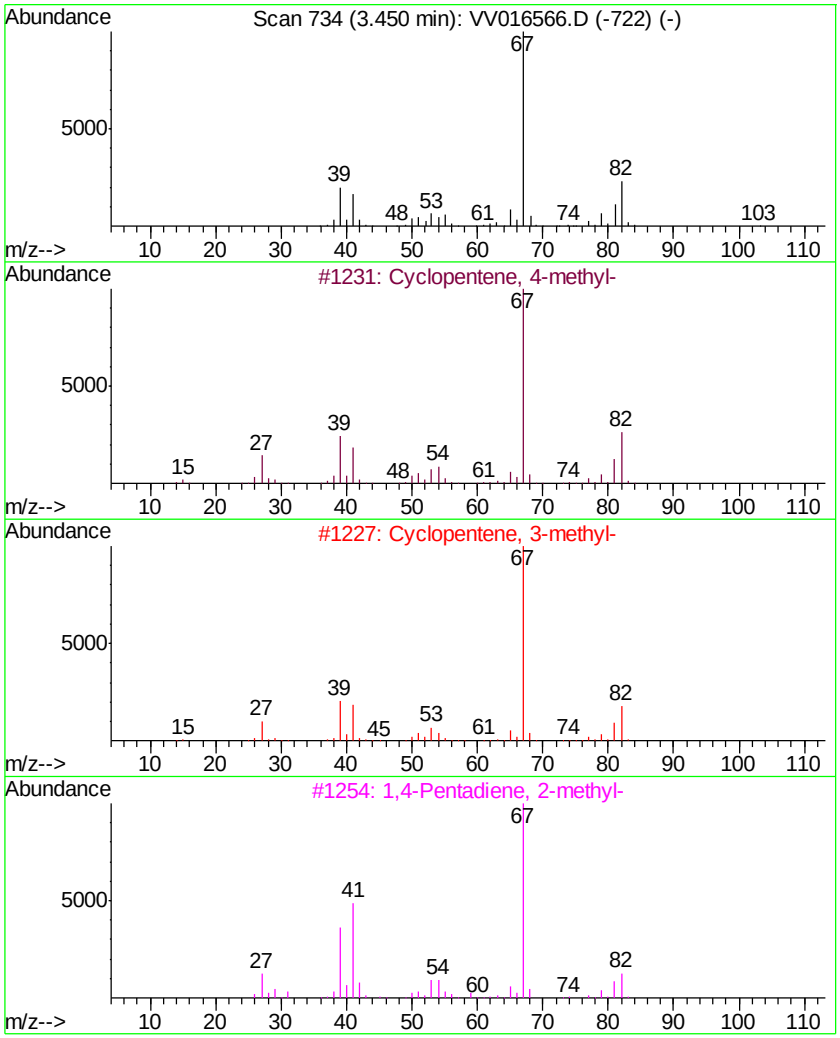
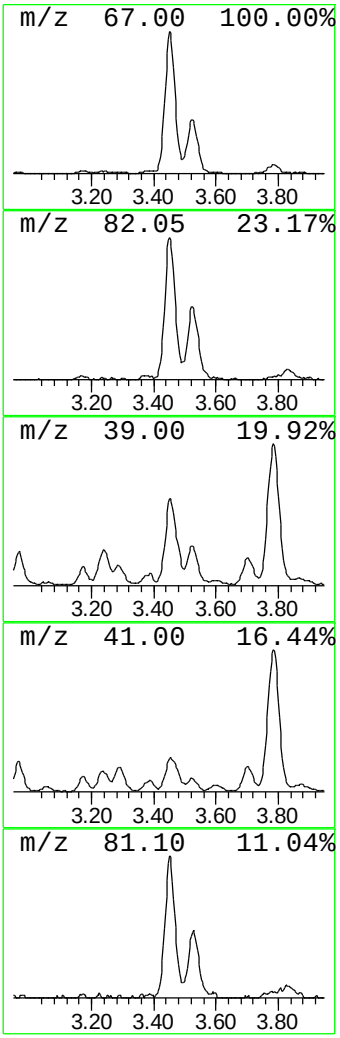
Peak Number 17 Cyclopentene, 4-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.45	20.36 ug/L	382830	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	91
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91
3	1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4	91
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91





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Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

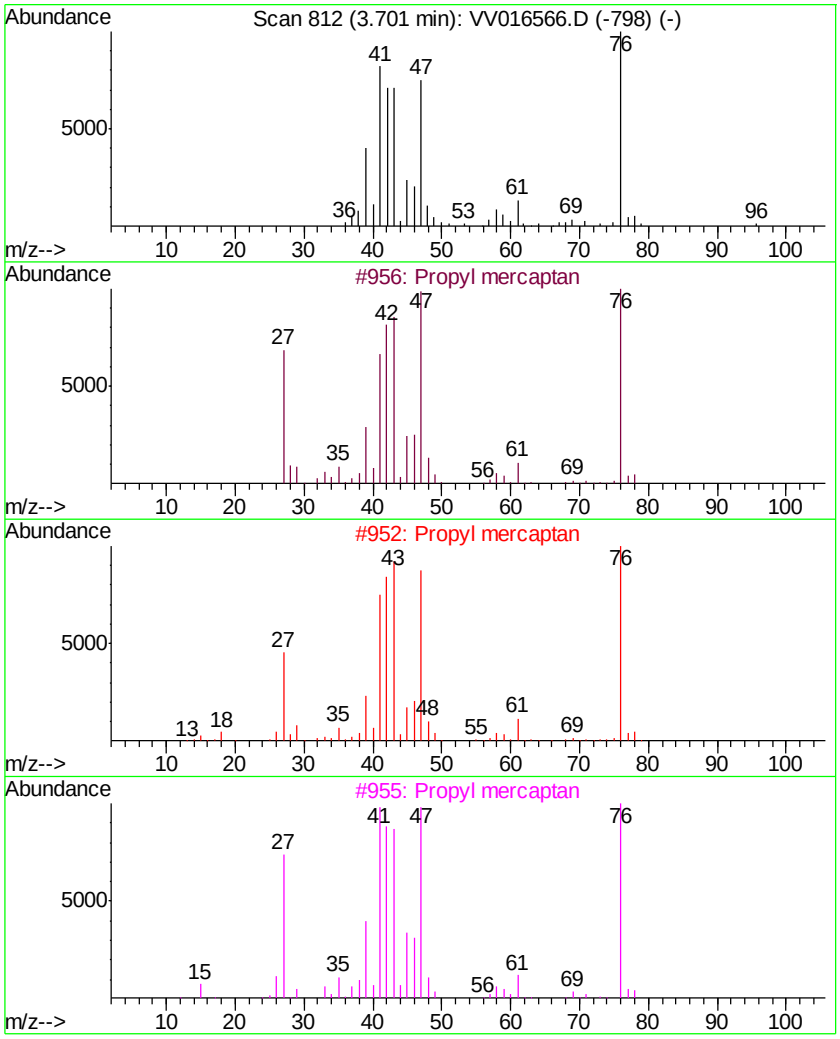
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

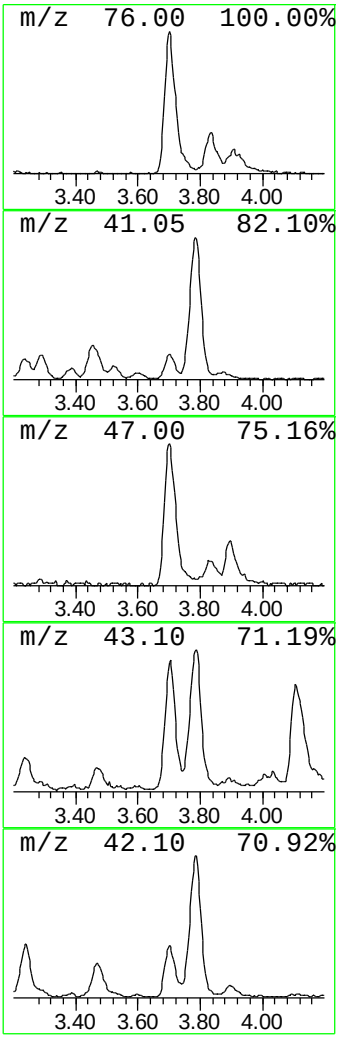
****

Peak Number 18 Propyl mercaptan Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.70	7.03 ug/L	132133	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propyl mercaptan	76	C3H8S	000107-03-9	95
2	Propyl mercaptan	76	C3H8S	000107-03-9	93
3	Propyl mercaptan	76	C3H8S	000107-03-9	90
4	Propyl mercaptan	76	C3H8S	000107-03-9	90
5	Propyl mercaptan	76	C3H8S	000107-03-9	90





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Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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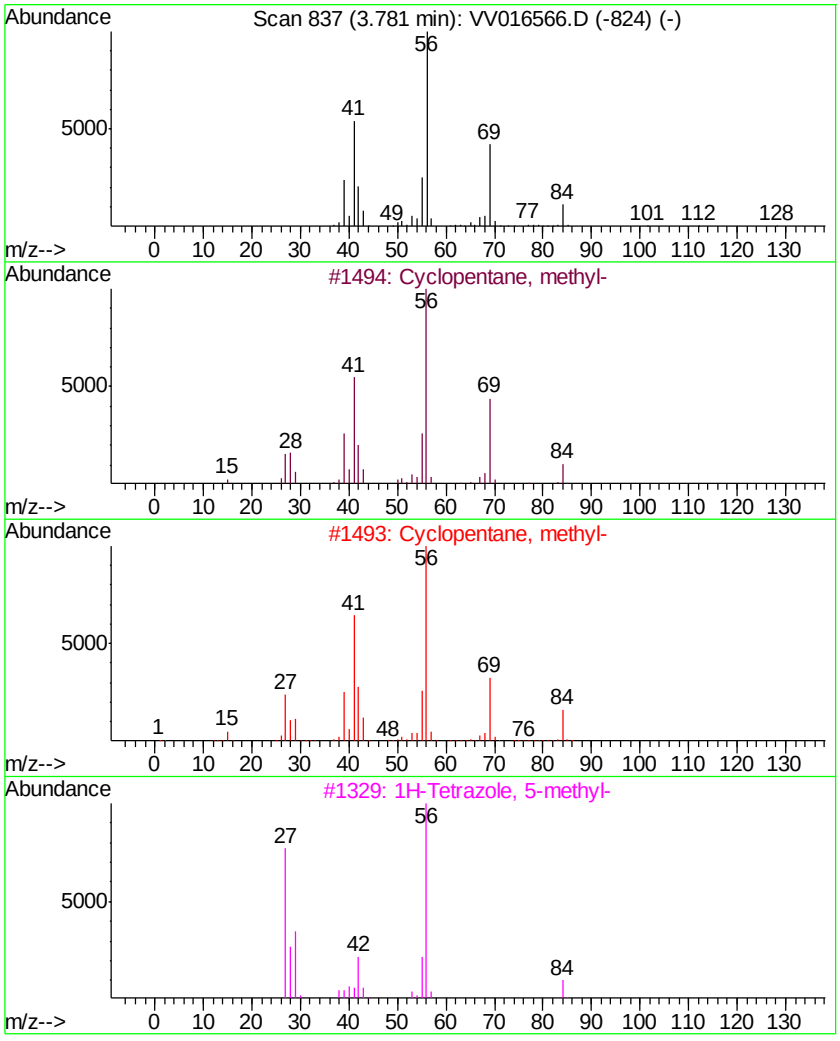
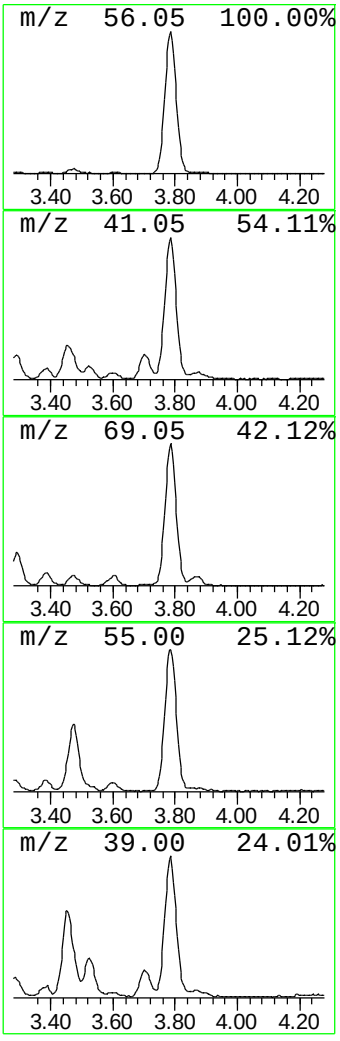
Peak Number 19 (DEL) Alkane: Cyclic3.78 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	40.79 ug/L	767095	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	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
4	Cyclohexane	84	C6H12	000110-82-7	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





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Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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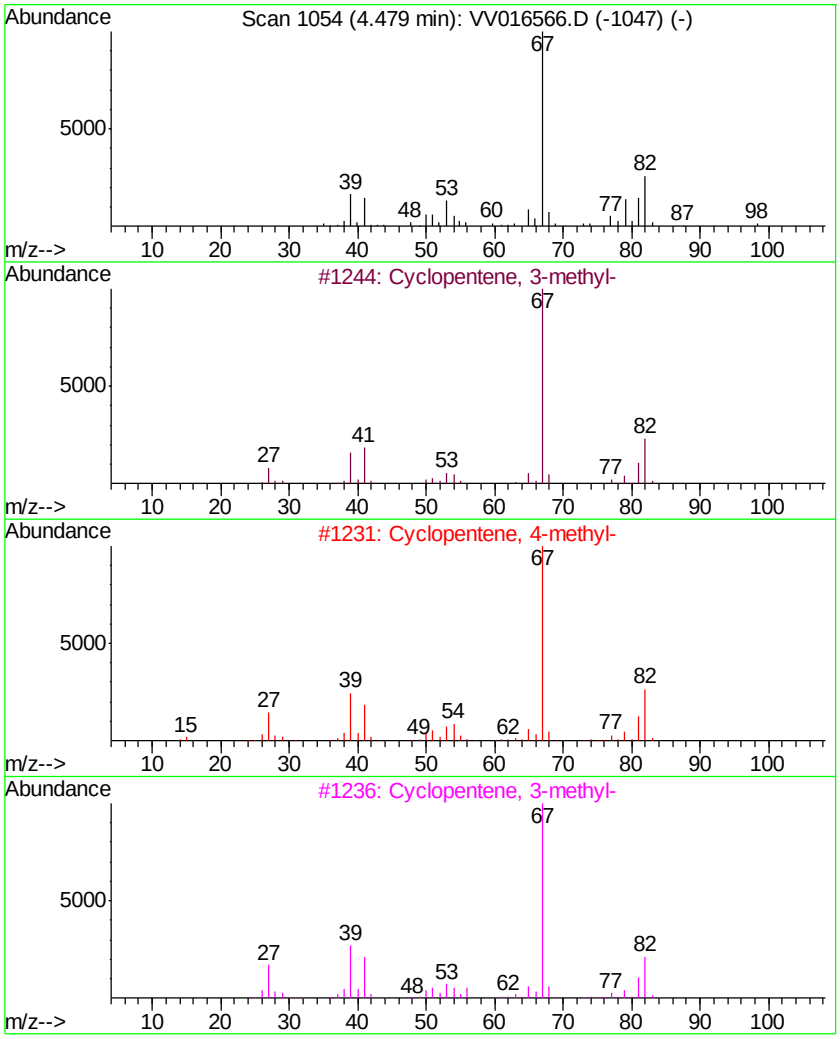
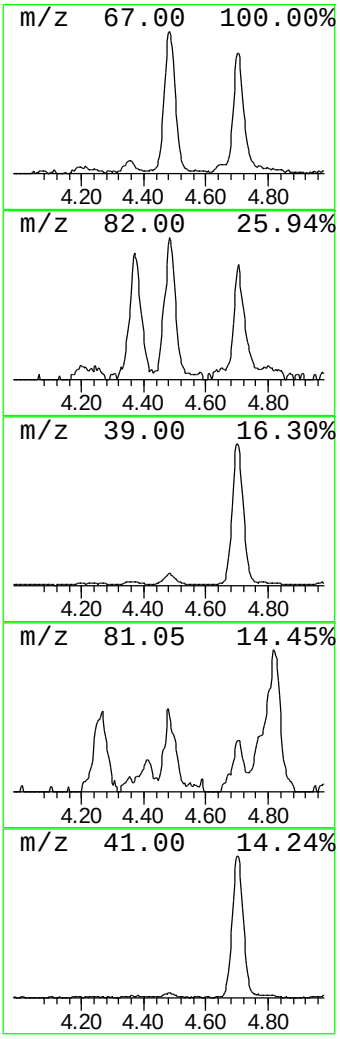
Peak Number 20 Cyclopentene, 3-methyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.48	3.92 ug/L	73752	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
2	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	86
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
4	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	83
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	83





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Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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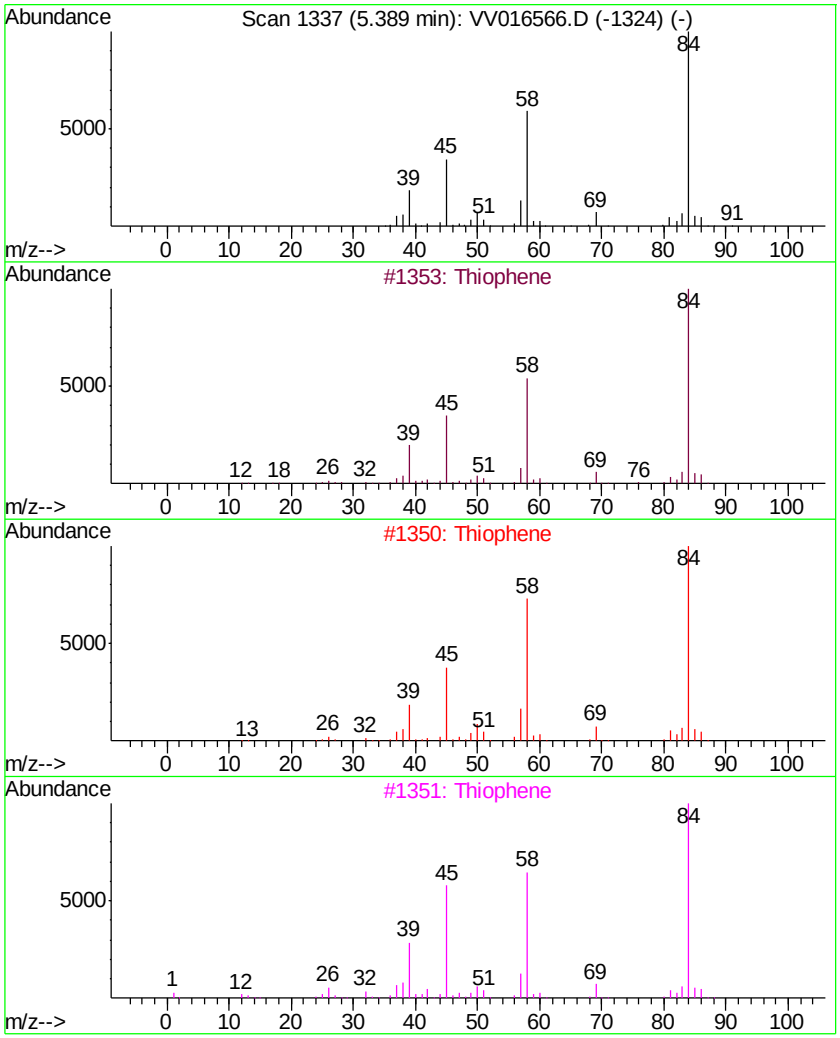
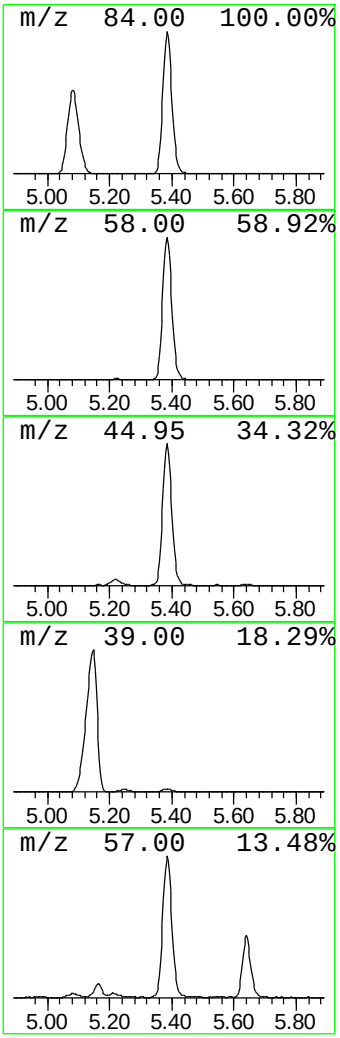
Peak Number 21 Thiophene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.39	107.73 ug/L	2026040	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	Pyridine-D5-	84	C5D5N	007291-22-7	38





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Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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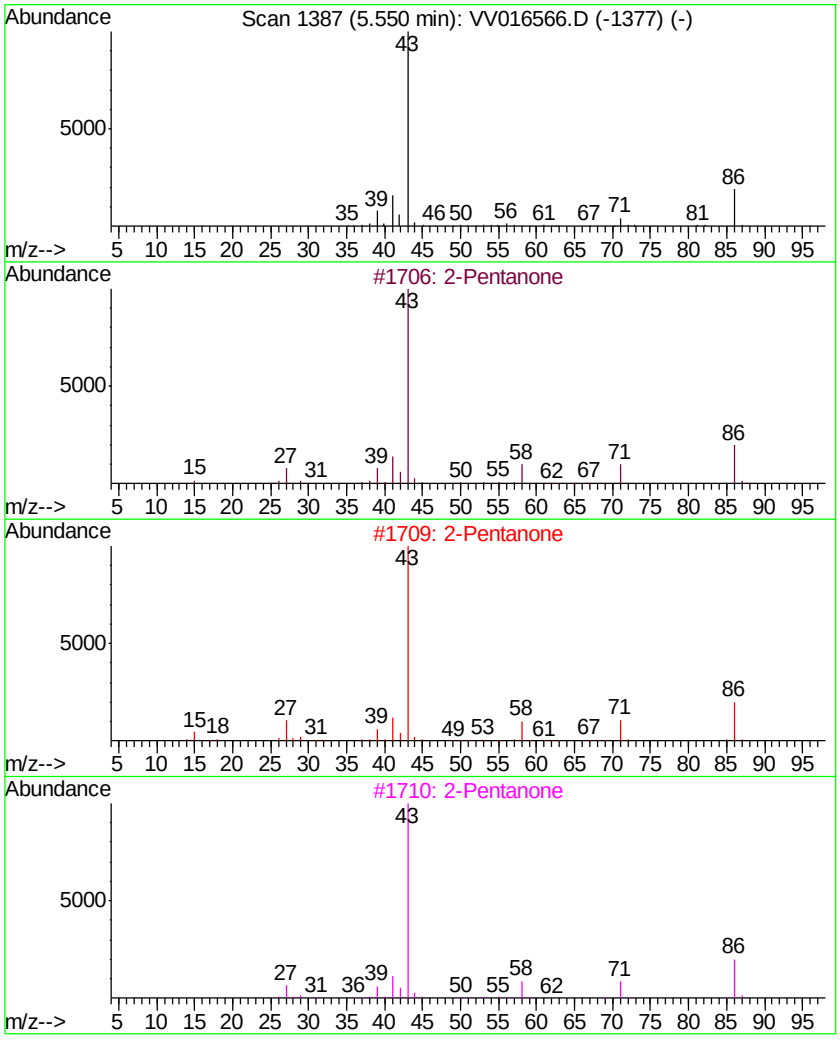
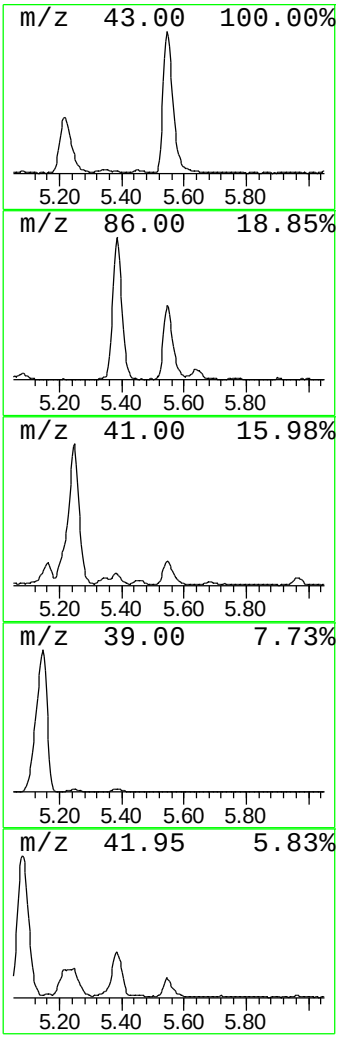
Peak Number 22 2-Pentanone Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	7.14 ug/L	134300	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	53
2	2-Pentanone	86	C5H10O	000107-87-9	52
3	2-Pentanone	86	C5H10O	000107-87-9	52
4	2,3-Butanedione	86	C4H6O2	000431-03-8	52
5	2,3-Butanedione	86	C4H6O2	000431-03-8	50





Library Search Compound Report

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Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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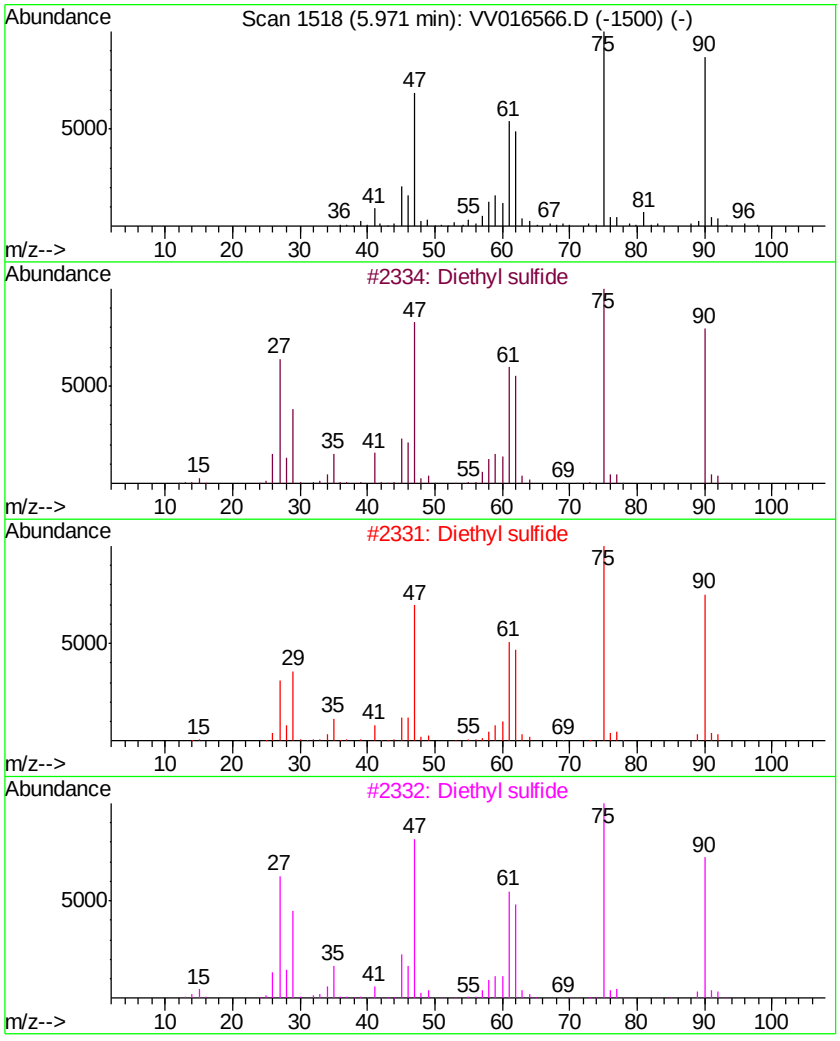
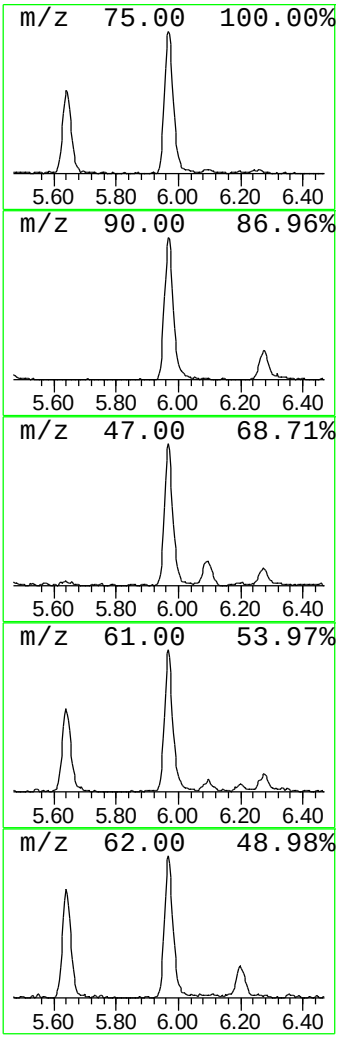
Peak Number 23 Diethyl sulfide Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	11.44 ug/L	215084	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl sulfide	90	C4H10S	000352-93-2	96
2	Diethyl sulfide	90	C4H10S	000352-93-2	96
3	Diethyl sulfide	90	C4H10S	000352-93-2	91
4	Diethyl sulfide	90	C4H10S	000352-93-2	91
5	Sulfur diimide, dimethyl-	90	C2H6N2S	013849-02-0	59





Library Search Compound Report

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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

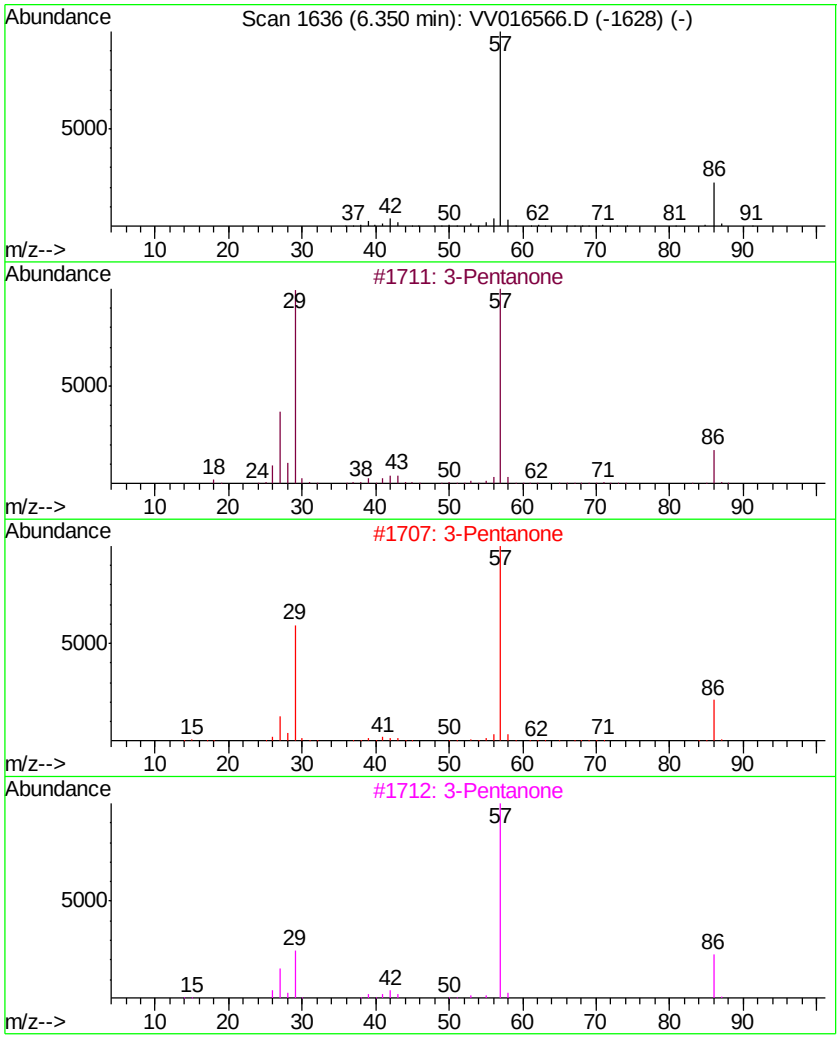
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

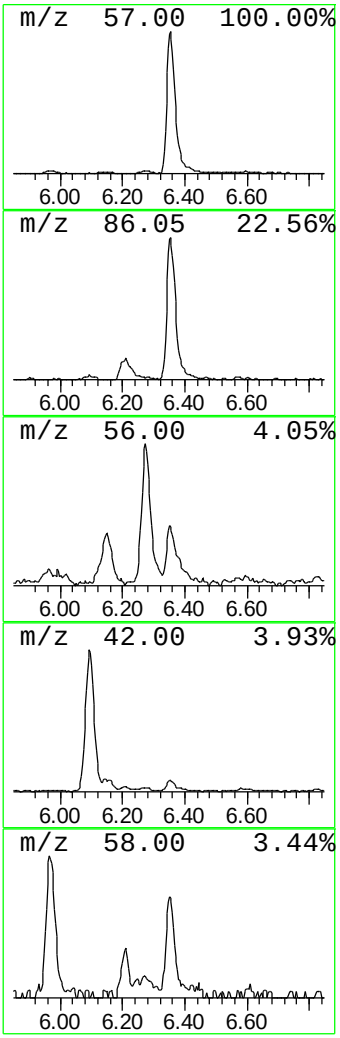
****

Peak Number 24 3-Pentanone Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	8.17 ug/L	153611	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone	86	C5H10O	000096-22-0	86
2	3-Pentanone	86	C5H10O	000096-22-0	72
3	3-Pentanone	86	C5H10O	000096-22-0	64
4	Neopentane	72	C5H12	000463-82-1	9
5	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	7





Library Search Compound Report

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Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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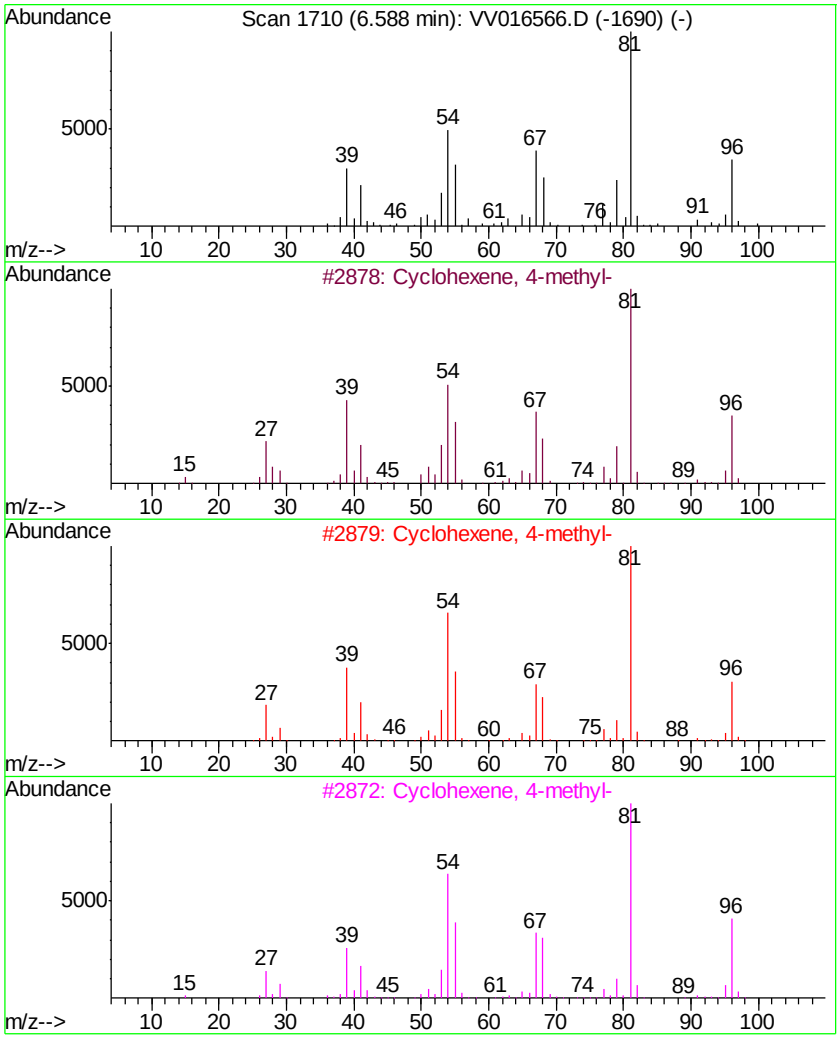
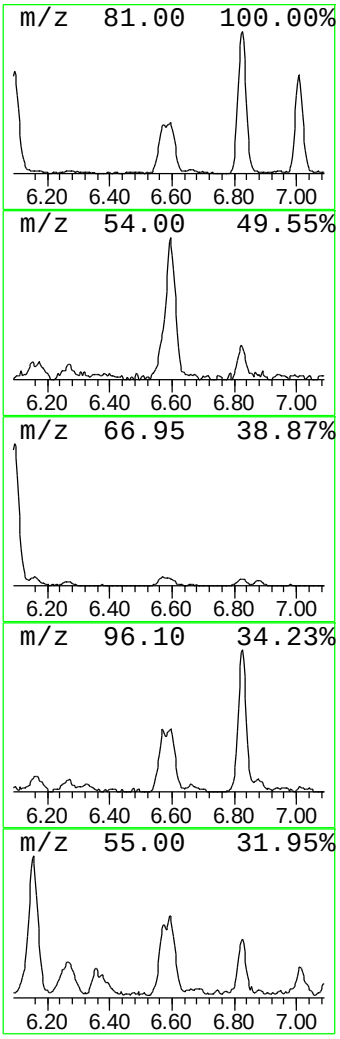
Peak Number 25 Cyclohexene, 4-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	8.52 ug/L	160322	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	95
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	90
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	87
4	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	76
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	76





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Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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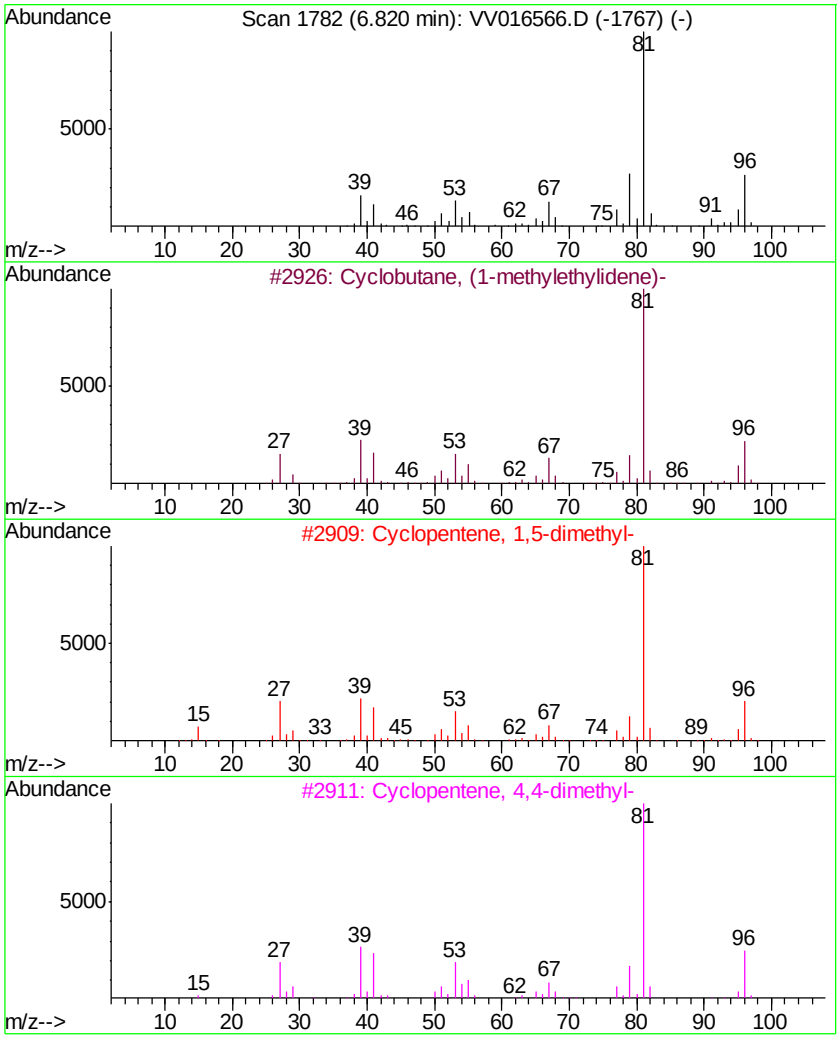
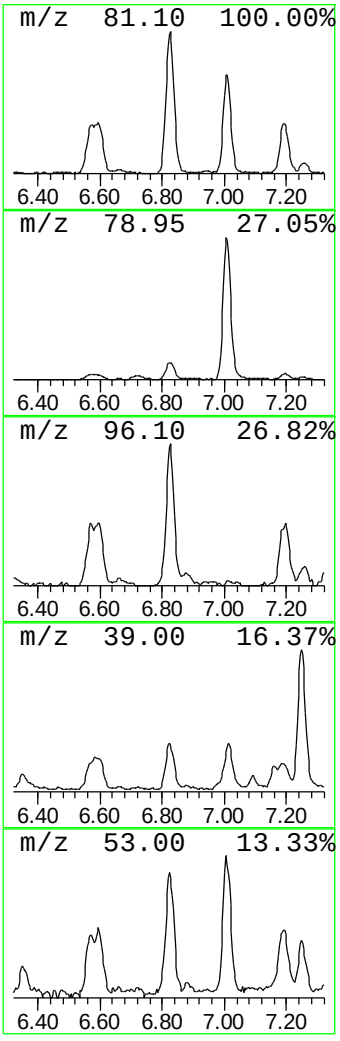
Peak Number 26 Cyclobutane, (1-methylethyl... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	8.49 ug/L	159735	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	80
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	72
5	Furan, 2-ethyl-	96	C6H8O	003208-16-0	64





Library Search Compound Report

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Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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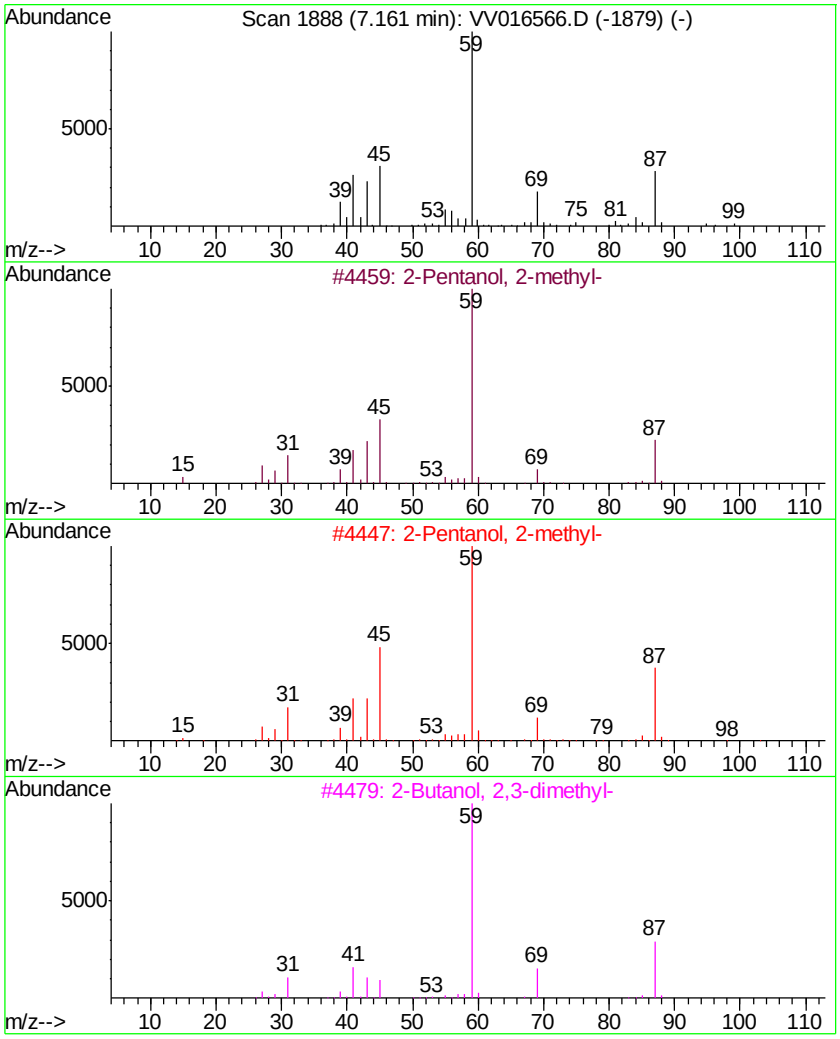
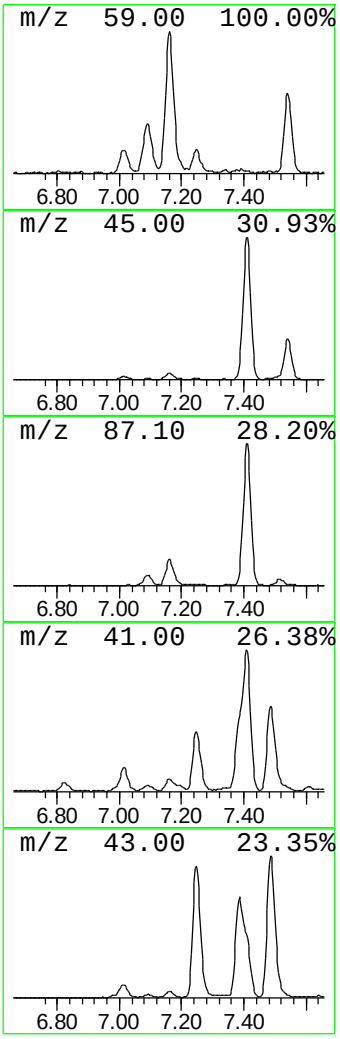
Peak Number 28 2-Pentanol, 2-methyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	3.93 ug/L	73880	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	78
2	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	78
3	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	72
4	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	72
5	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	59





Library Search Compound Report

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Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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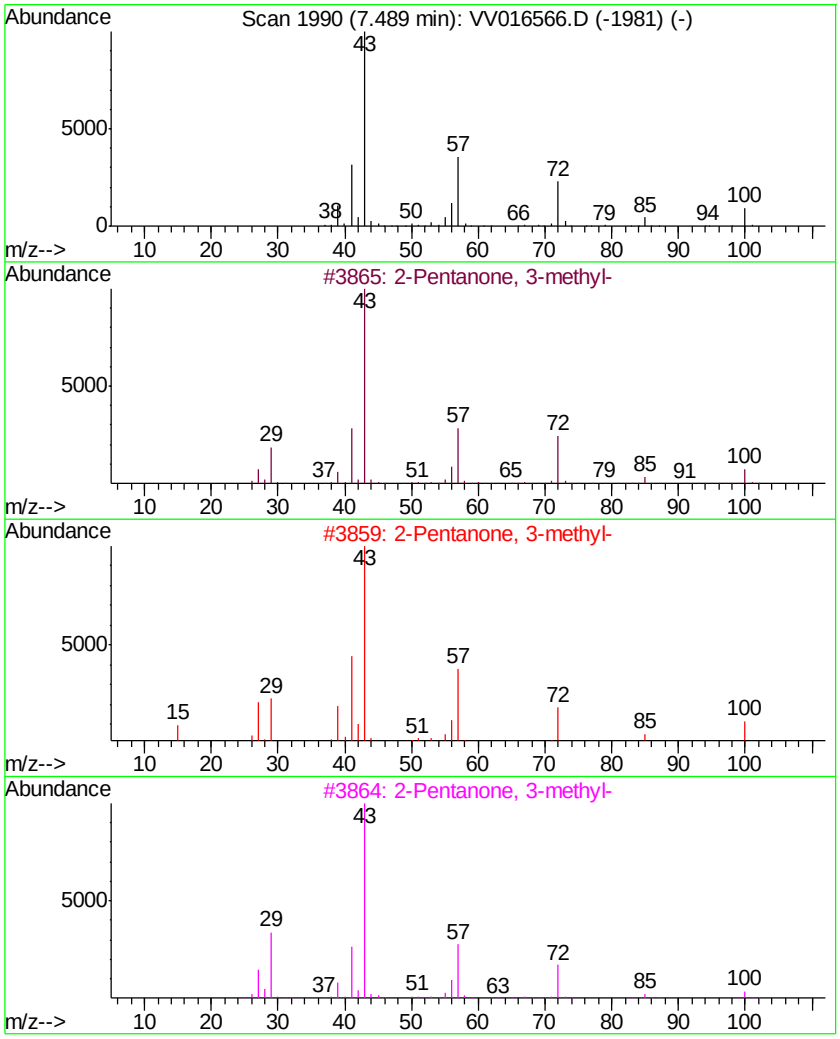
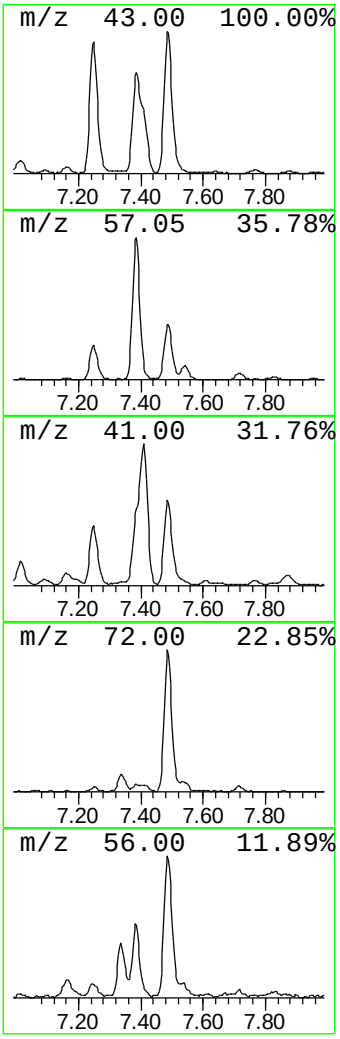
Peak Number 29 2-Pentanone, 3-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	20.33 ug/L	418529	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	91
2	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	59
3	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	58
4	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	53
5	2-Butanone	72	C4H8O	000078-93-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

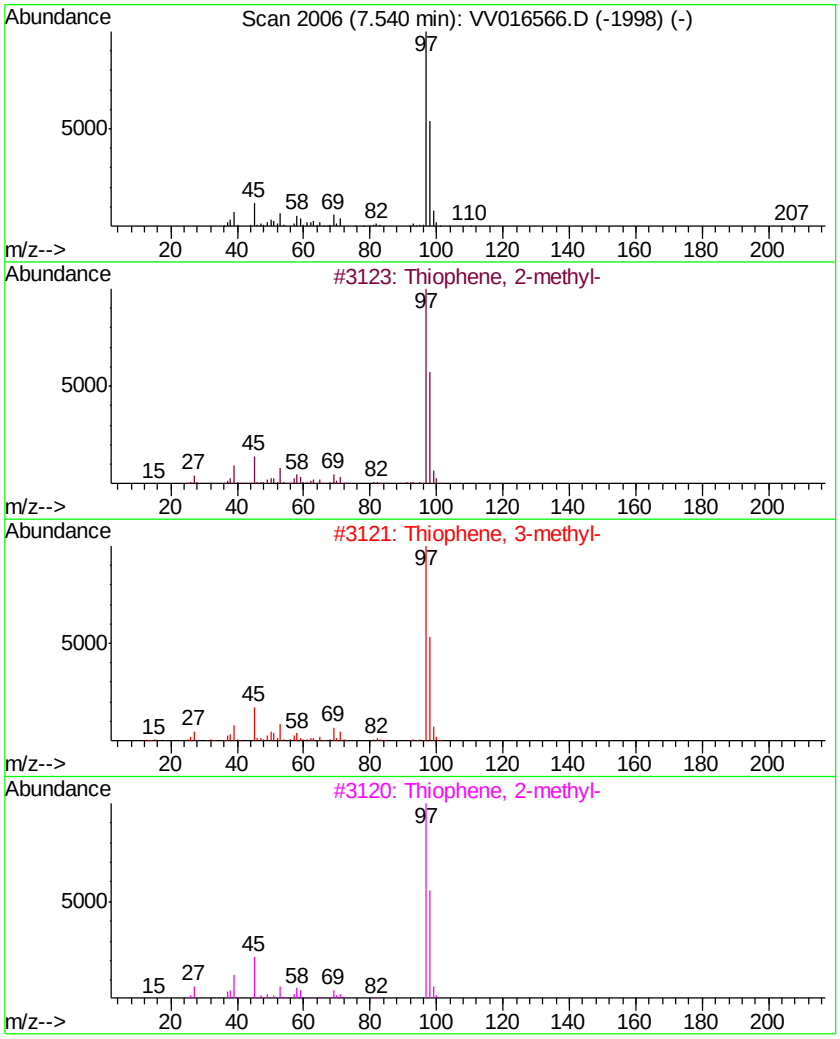
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

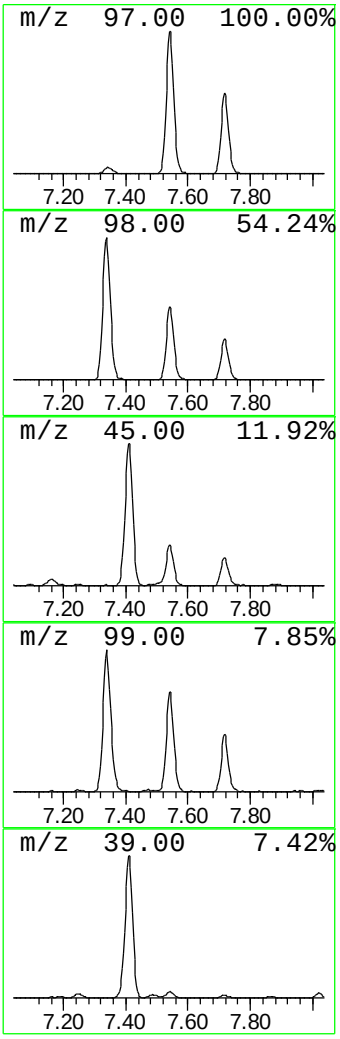
****

Peak Number 30 Thiophene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	50.69 ug/L	1043520	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	95
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	94
3	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
5	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91





Library Search Compound Report

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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

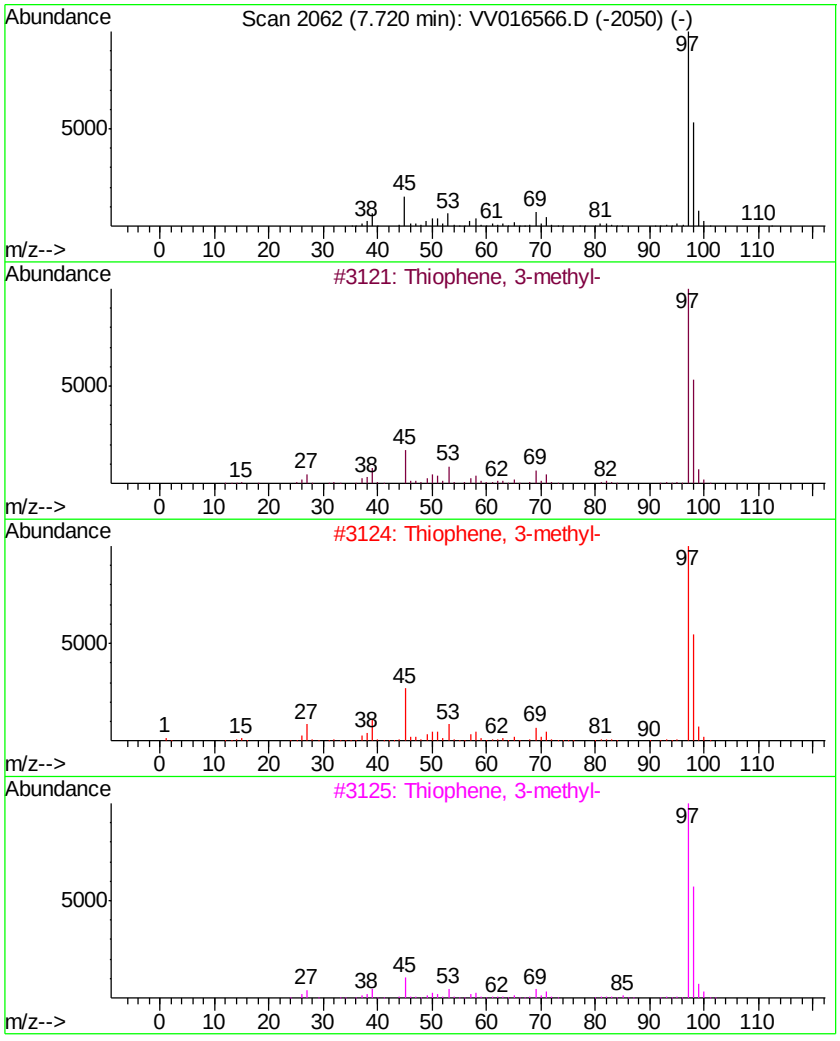
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

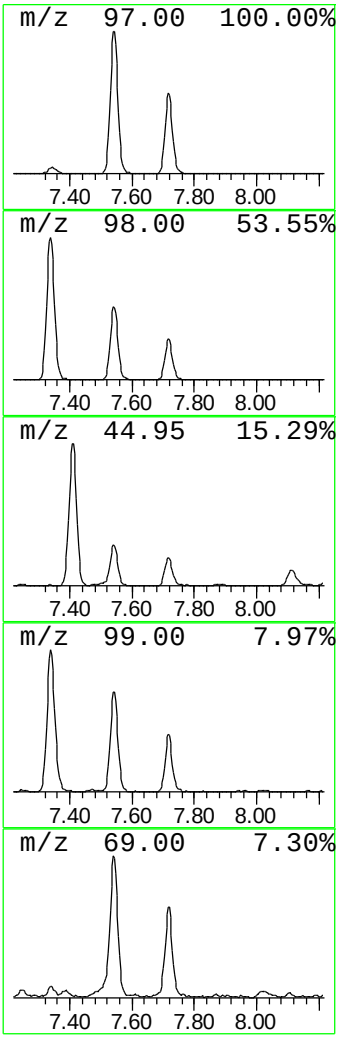
****

Peak Number 31 Thiophene, 3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	27.48 ug/L	565613	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	95
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 : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

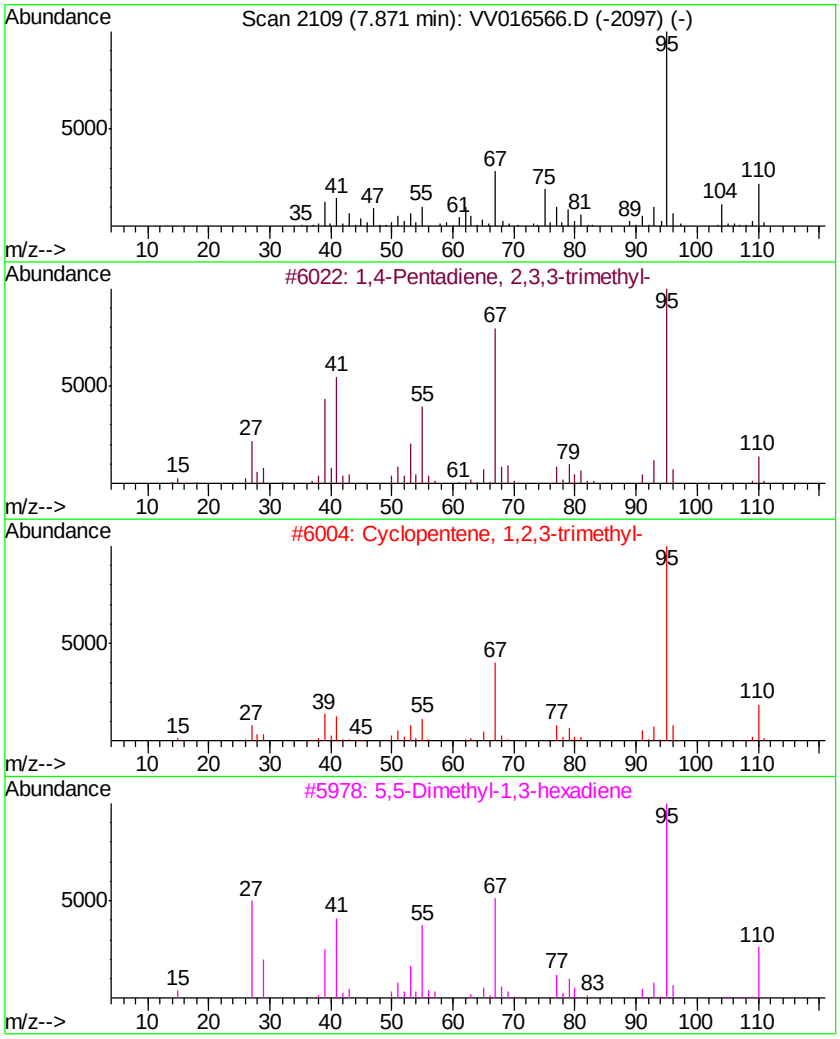
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

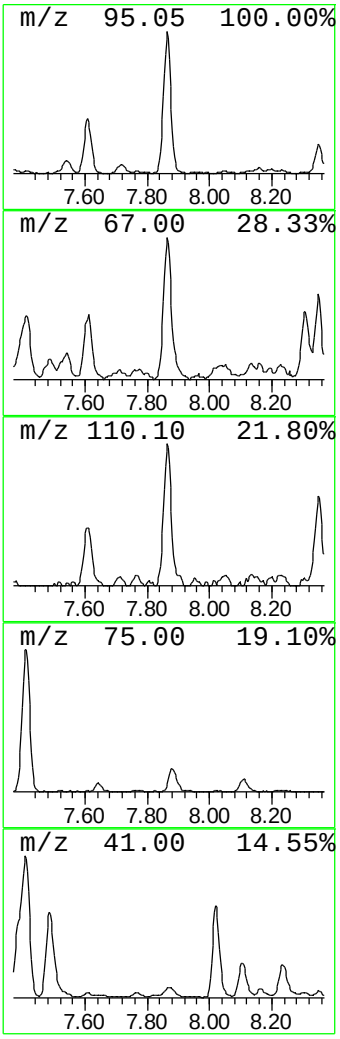
****

Peak Number 32 1,4-Pentadiene, 2,3,3-trime... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	8.10 ug/L	166724	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	81
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	74
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	64
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	58
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

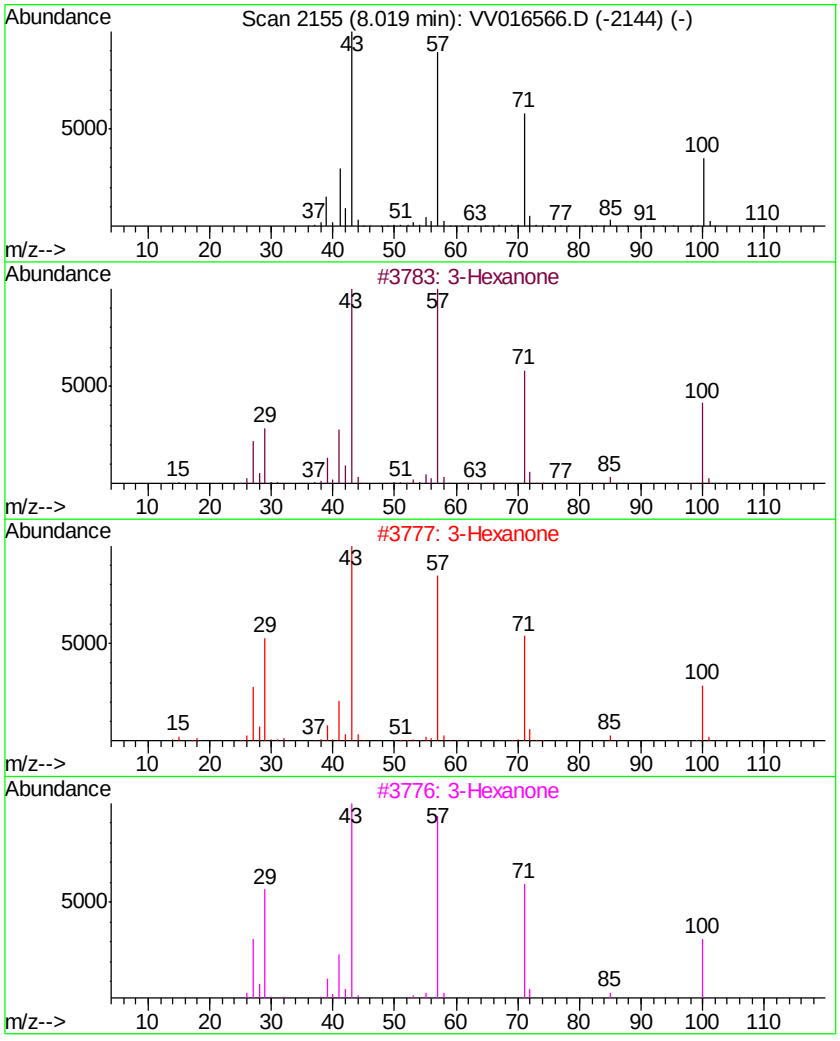
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

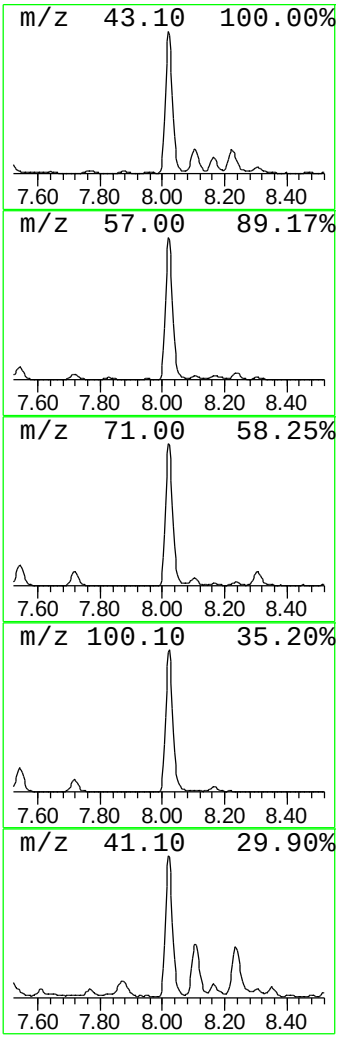
****

Peak Number 33 3-Hexanone Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	32.17 ug/L	662216	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	94
2	3-Hexanone	100	C6H12O	000589-38-8	91
3	3-Hexanone	100	C6H12O	000589-38-8	90
4	3-Hexanone	100	C6H12O	000589-38-8	86
5	3-Hexanone	100	C6H12O	000589-38-8	72





Library Search Compound Report

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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

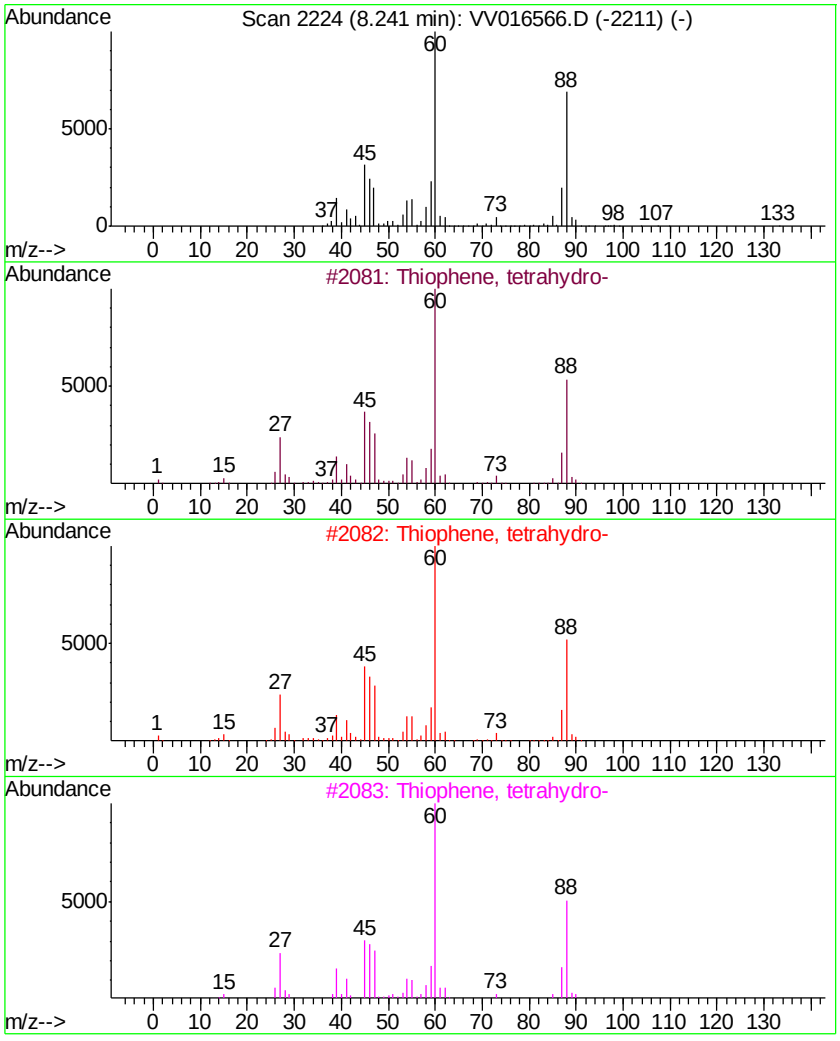
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

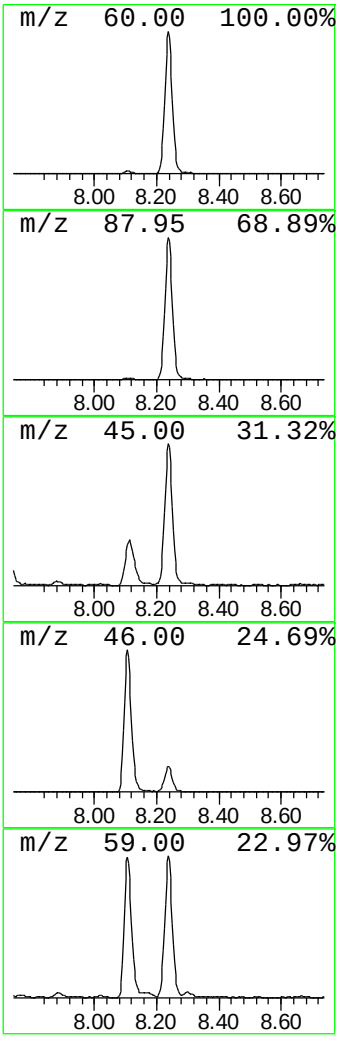
****

Peak Number 34 Thiophene, tetrahydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	41.70 ug/L	858322	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	97
2	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	96
3	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	91
4	Thietane, 2-methyl-	88	C4H8S	017837-41-1	74
5	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	50





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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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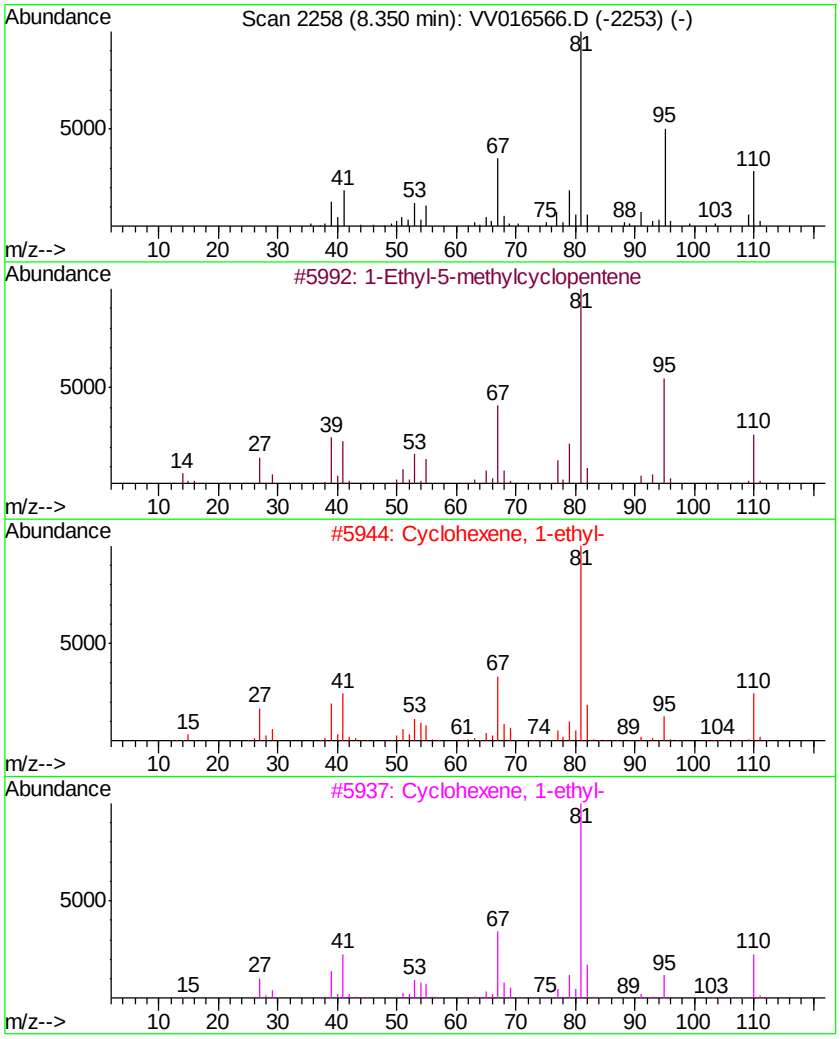
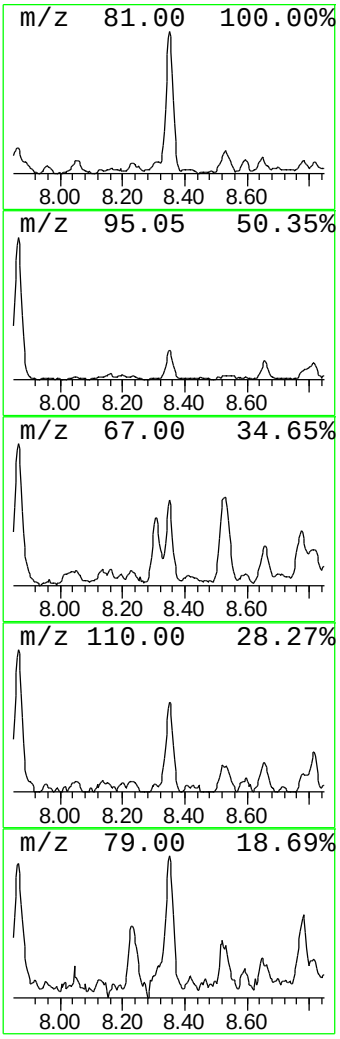
Peak Number 35 1-Ethyl-5-methylcyclopentene Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	3.34 ug/L	68826	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	78
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	72
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	72
4	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	64
5	Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	64





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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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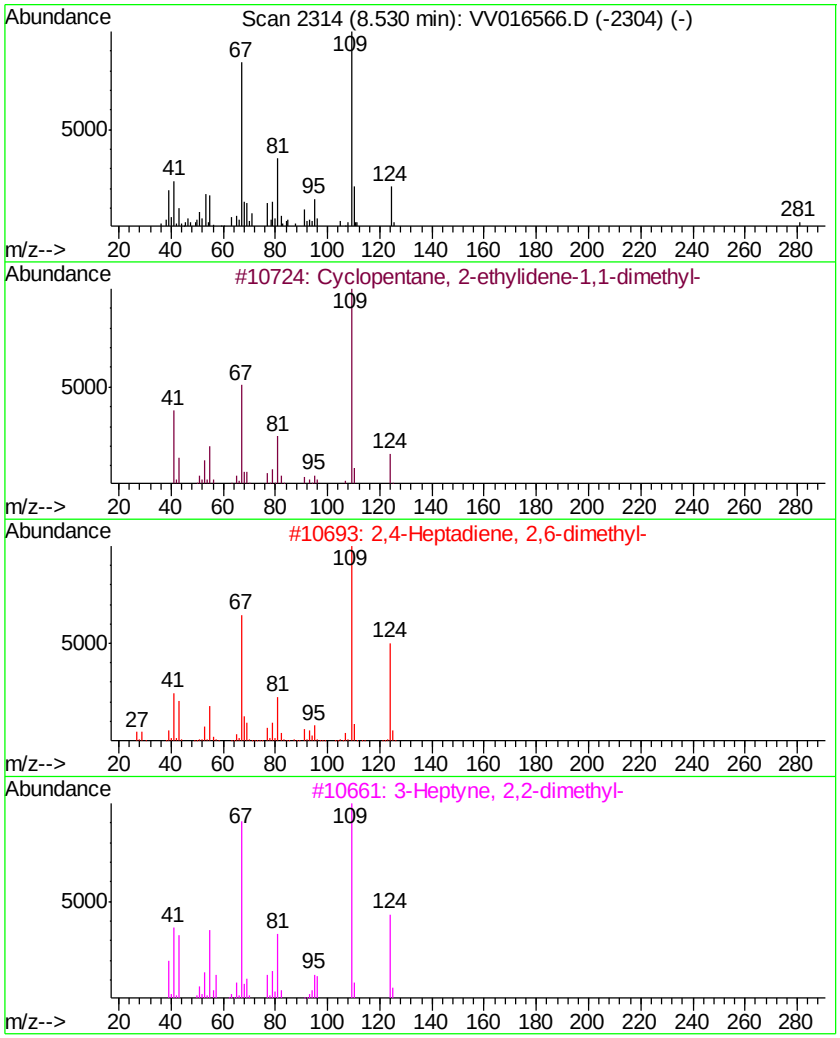
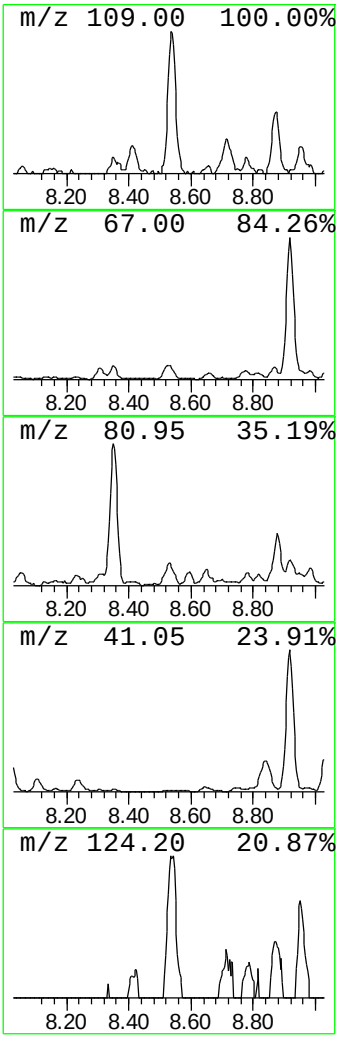
Peak Number 36 Cyclopentane, 2-ethylidene-... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	2.54 ug/L	52253	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	87
2	2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	87
3	3-Heptyne, 2,2-dimethyl-	124	C9H16	029022-29-5	87
4	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	033422-32-1	87
5	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	87





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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

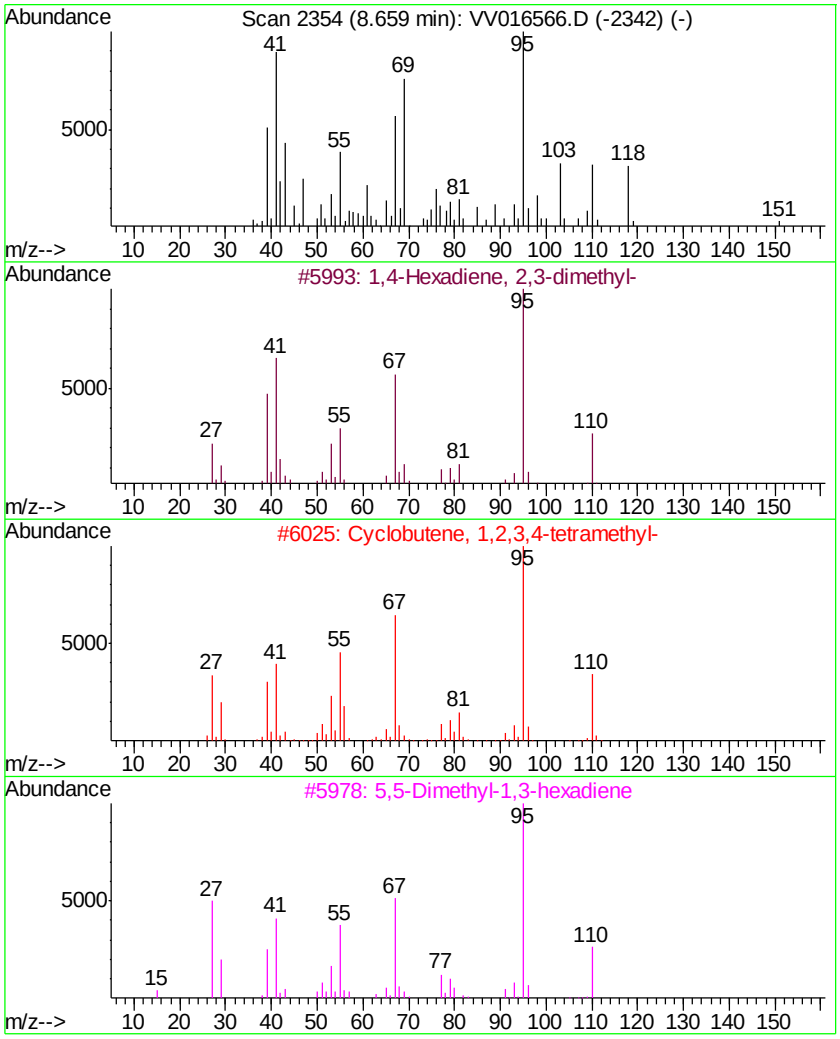
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

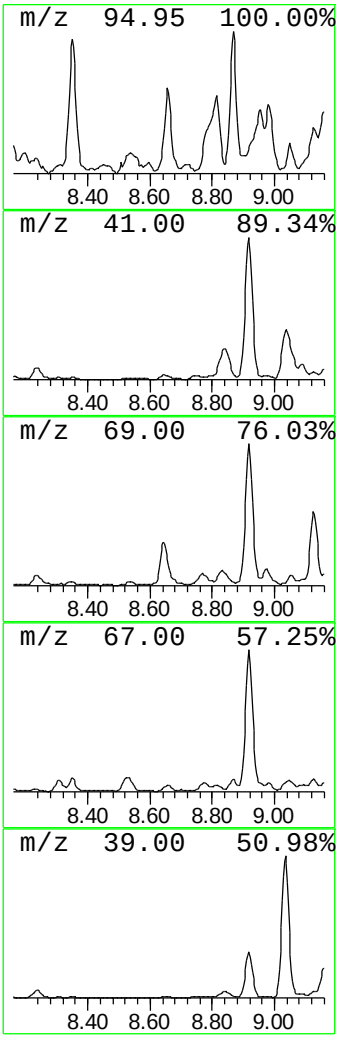
****

Peak Number 37 1,4-Hexadiene, 2,3-dimethyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.66	3.50 ug/L	72070	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	50
2	Cyclobutene, 1,2,3,4-tetramethyl-	110	C8H14	090346-45-5	50
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	46
4	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	46
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	46





Library Search Compound Report

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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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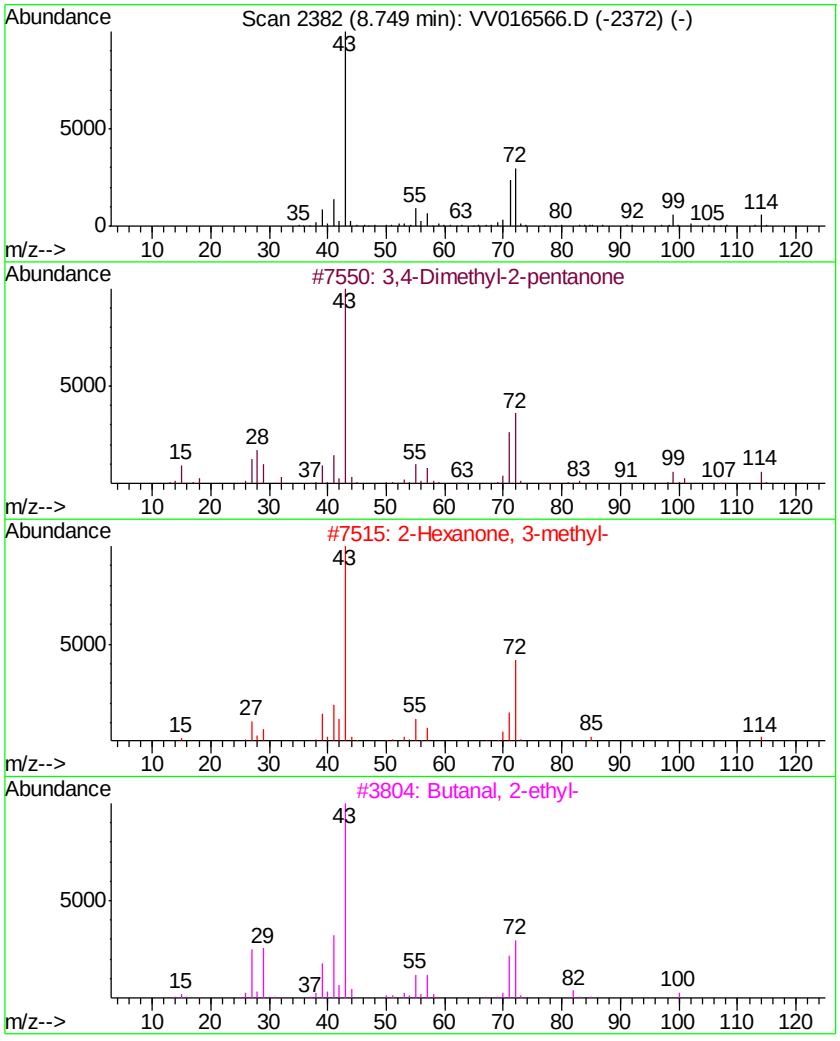
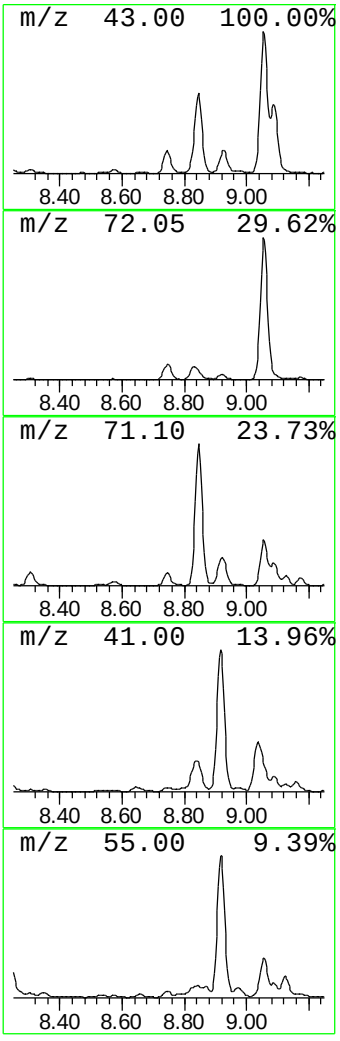
Peak Number 38 3,4-Dimethyl-2-pentanone Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	4.80 ug/L	98749	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethyl-2-pentanone	114	C7H14O	1000202-23-1	64
2	2-Hexanone, 3-methyl-	114	C7H14O	002550-21-2	45
3	Butanal, 2-ethyl-	100	C6H12O	000097-96-1	39
4	Butanal, 2-ethyl-	100	C6H12O	000097-96-1	38
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	38





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Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

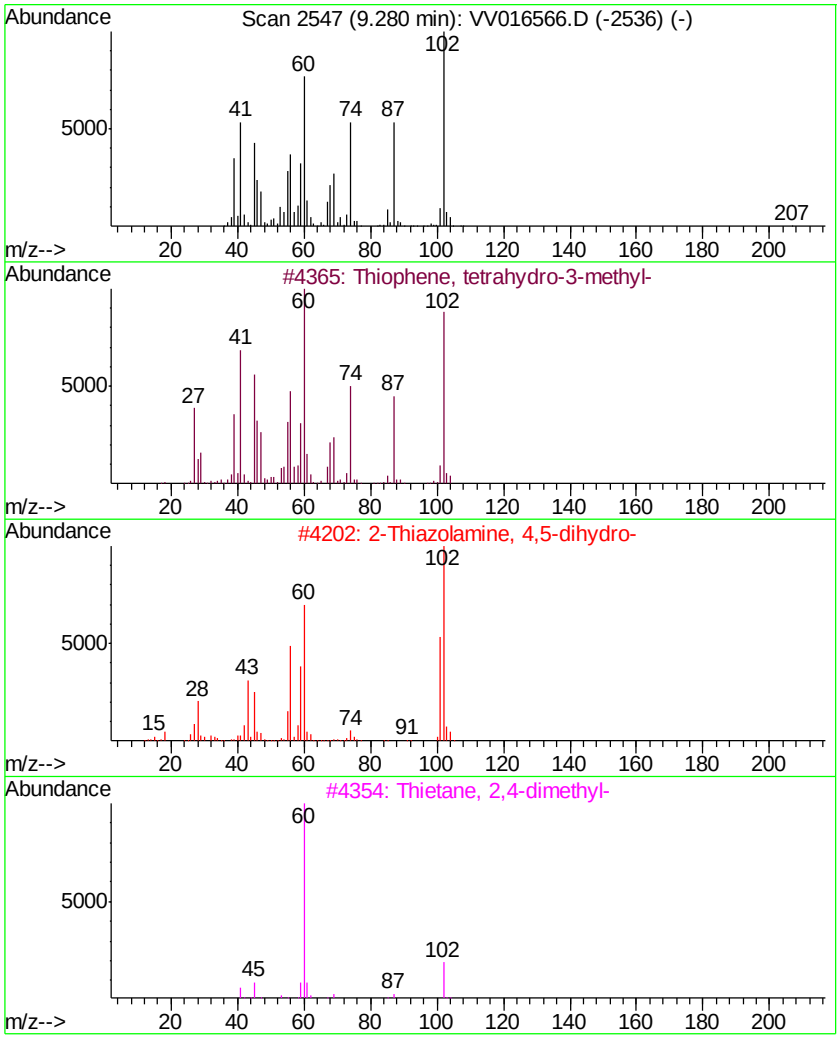
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

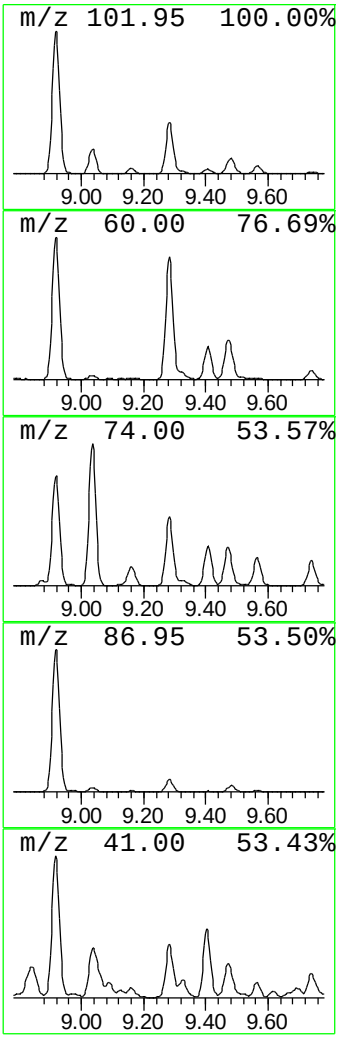
****

Peak Number 39 Thiophene, tetrahydro-3-met... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	59.80 ug/L	1231060	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	97
2	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	46
3	Thietane, 2,4-dimethyl-	102	C5H10S	043044-24-2	43
4	1-Butene, 1-(methylthio)-, (Z)-	102	C5H10S	017414-15-2	41
5	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

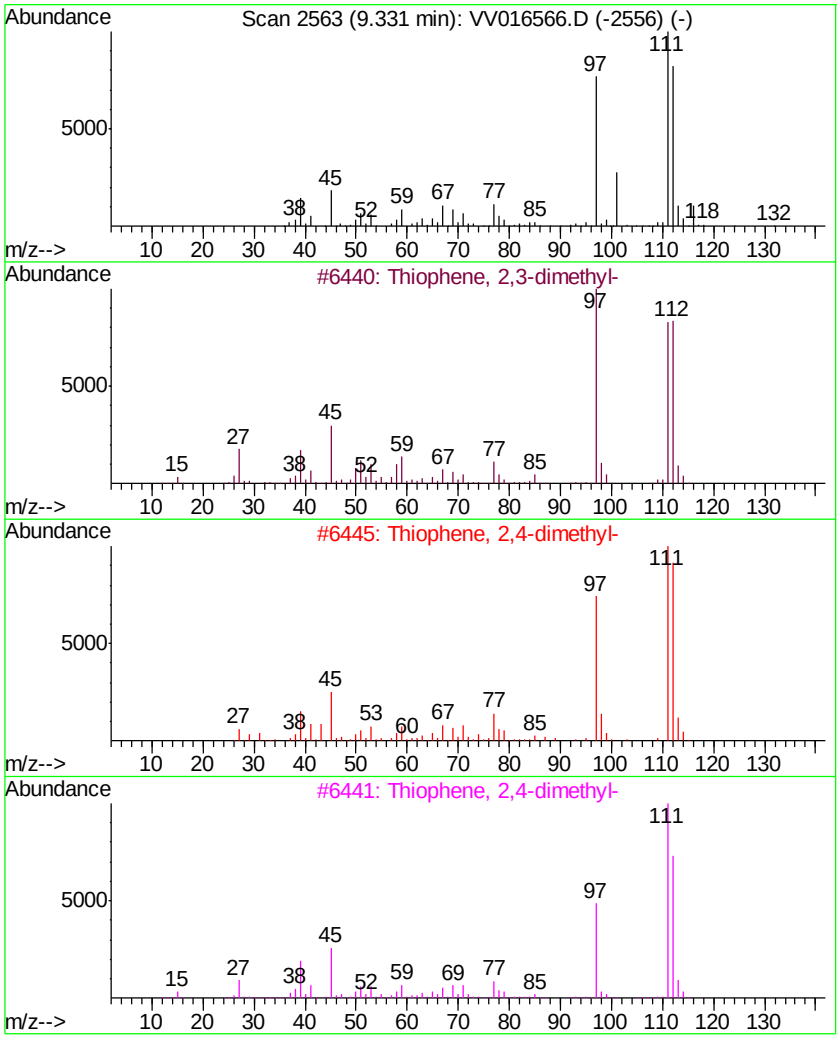
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

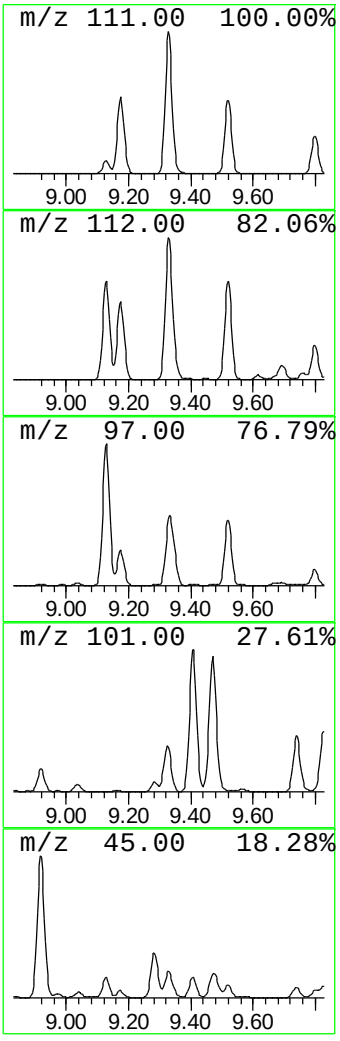
****

Peak Number 40 Thiophene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	47.21 ug/L	971906	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,3-dimethyl-	112	C6H8S	000632-16-6	91
2	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	87
3	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	83
4	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	81
5	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

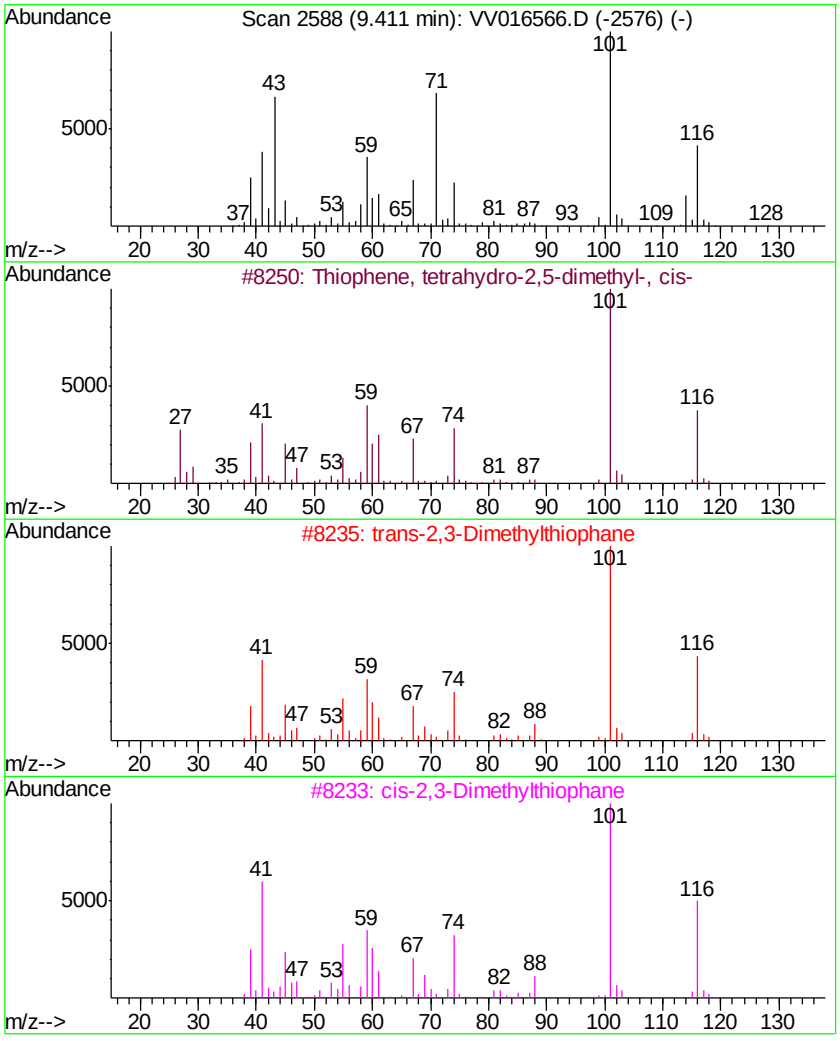
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

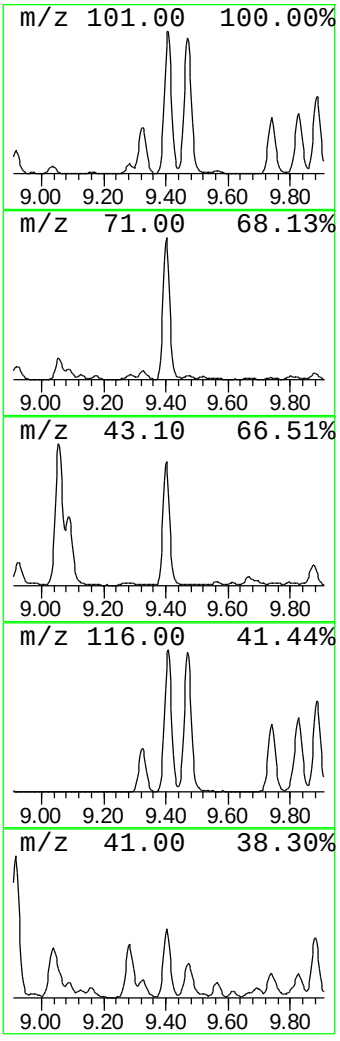
****

Peak Number 41 Thiophene, tetrahydro-2,5-d... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	72.88 ug/L	1500240	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	83
2	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	78
3	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	60
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	49
5	Allylthiourea	116	C4H8N2S	000109-57-9	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

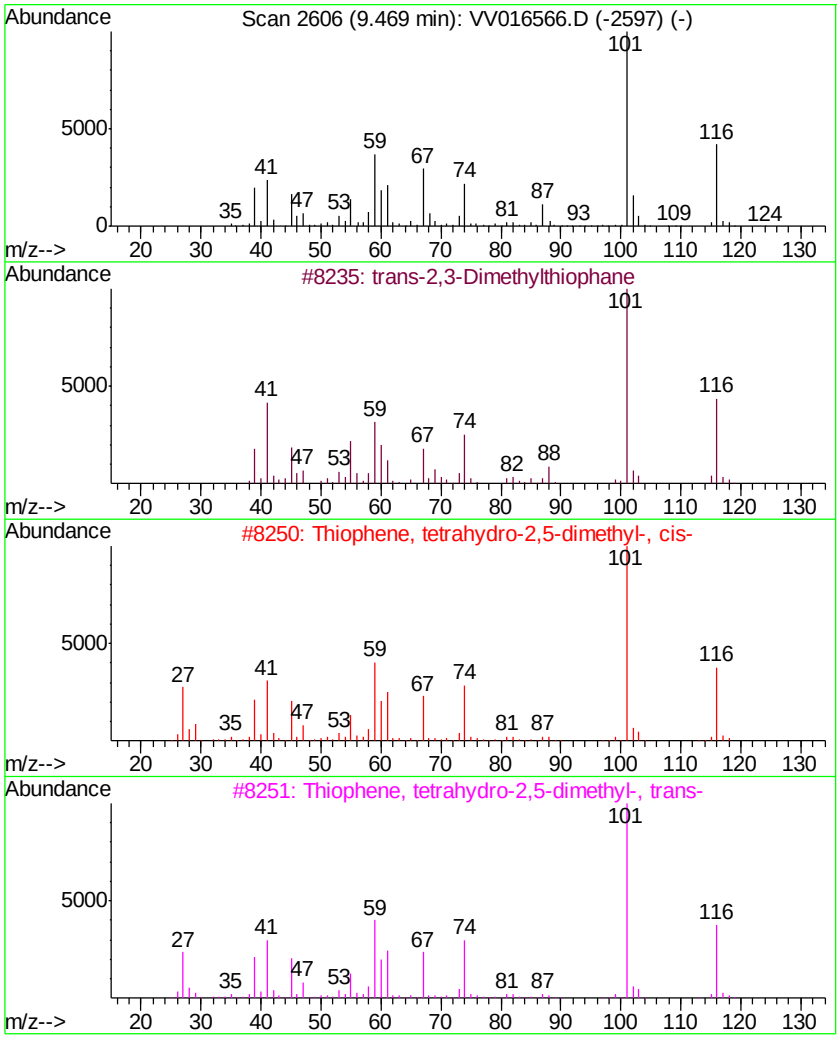
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

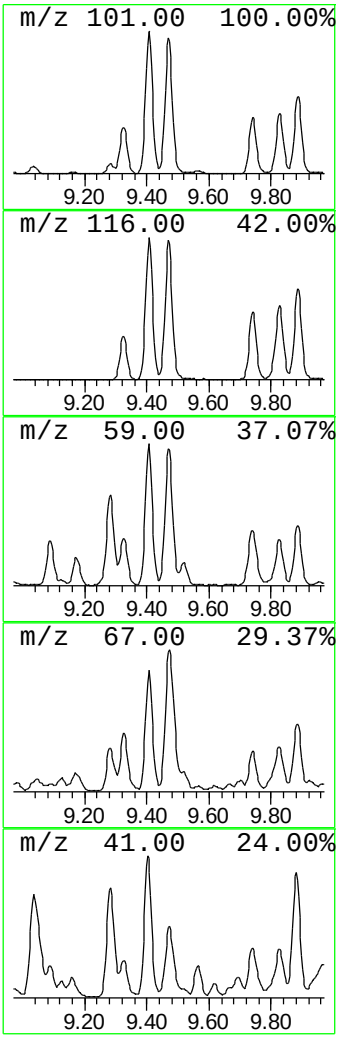
****

Peak Number 42 trans-2,3-Dimethylthiophane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	53.32 ug/L	1097700	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	90
2	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	87
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	87
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	76
5	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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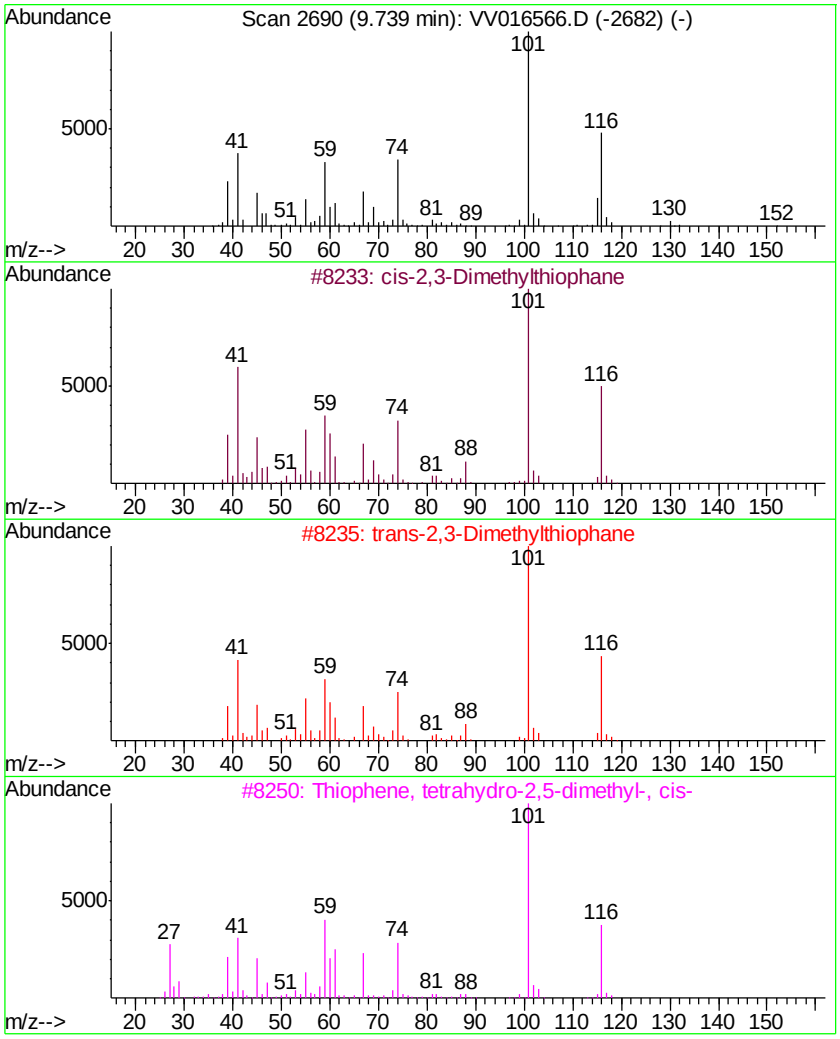
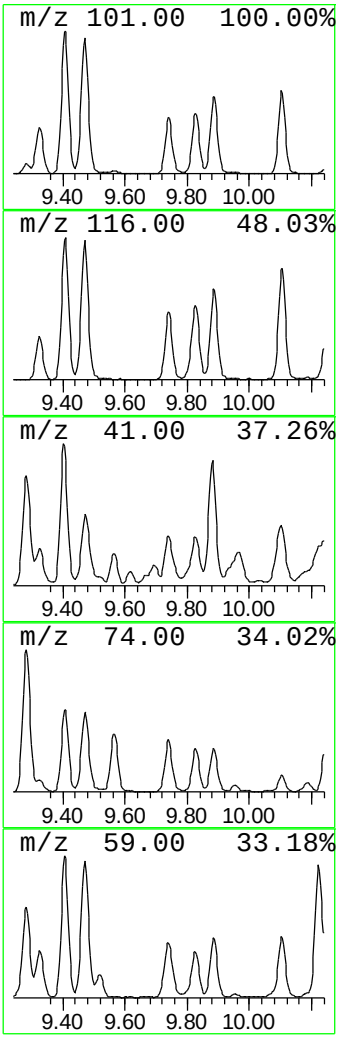
Peak Number 43 cis-2,3-Dimethylthiophane Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	21.04 ug/L	433016	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	64
4	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	59
5	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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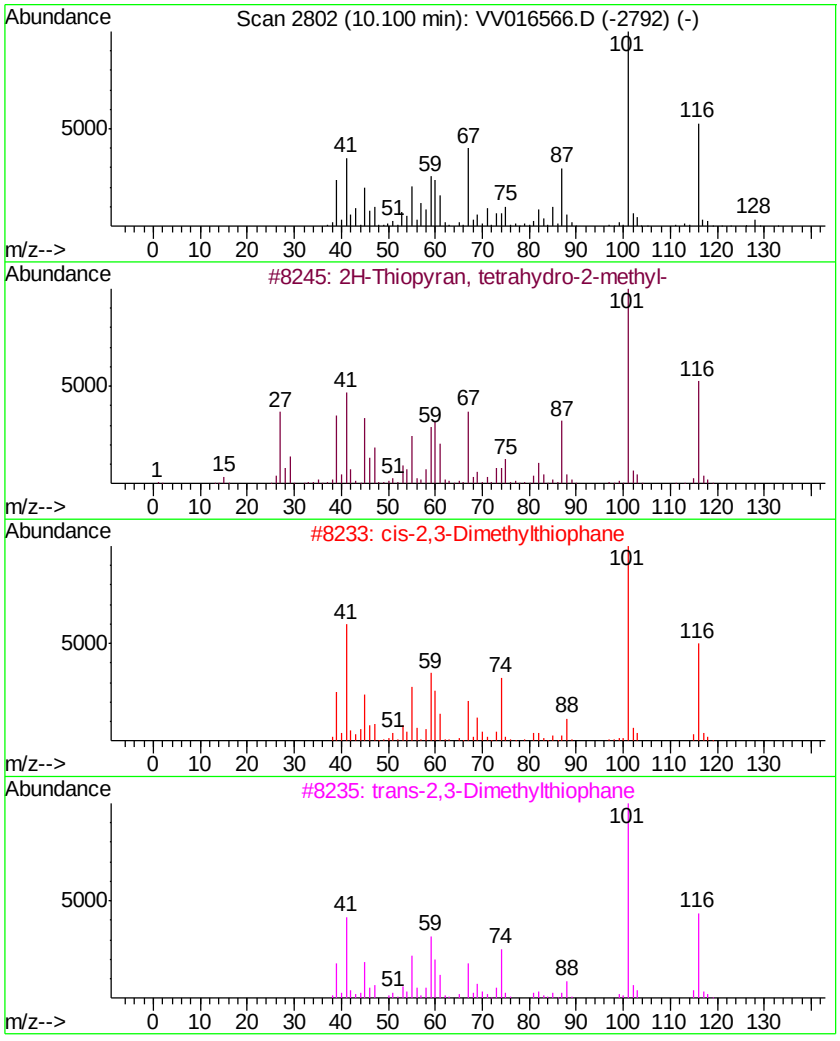
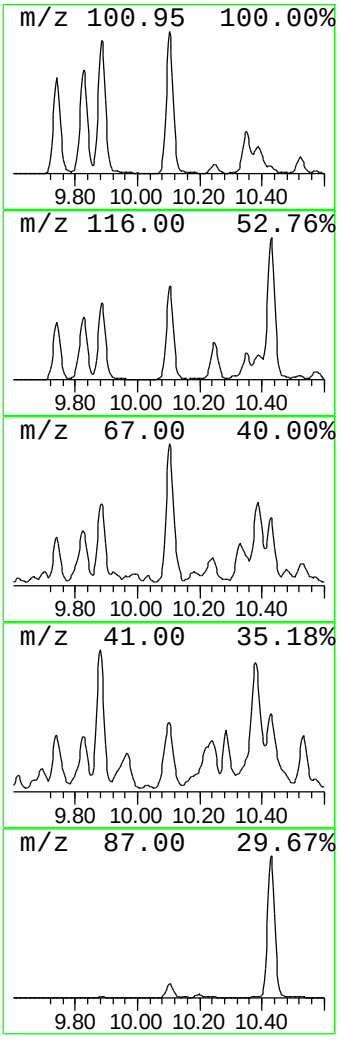
Peak Number 46 2H-Thiopyran, tetrahydro-2-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	27.76 ug/L	820027	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	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	90
3	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	86
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	53
5	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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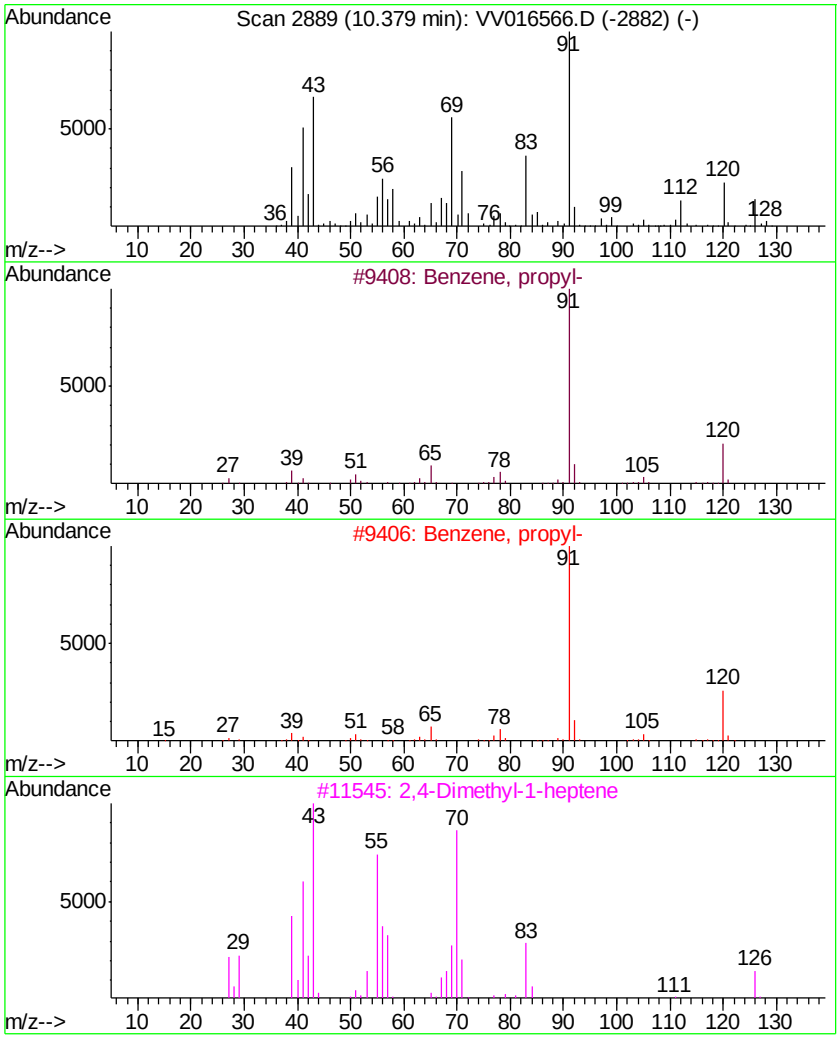
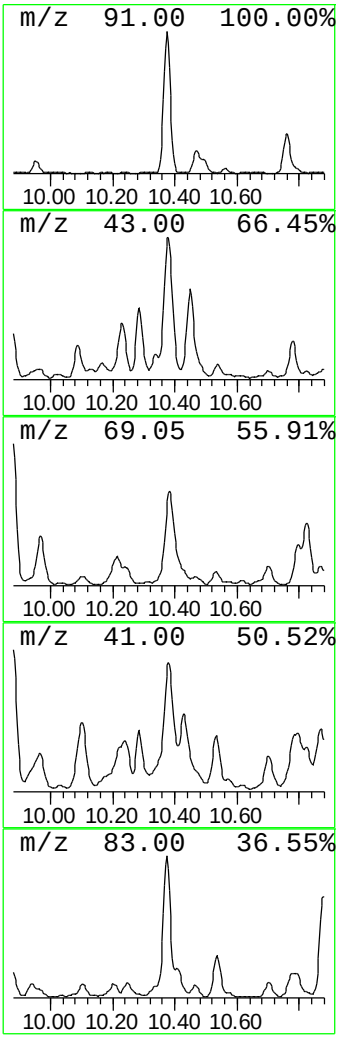
Peak Number 47 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	25.68 ug/L	758778	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	35
2	Benzene, propyl-	120	C9H12	000103-65-1	18
3	2,4-Dimethyl-1-heptene	126	C9H18	019549-87-2	18
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	14
5	Oxetane, 2,2-dimethyl-	86	C5H10O	006245-99-4	14





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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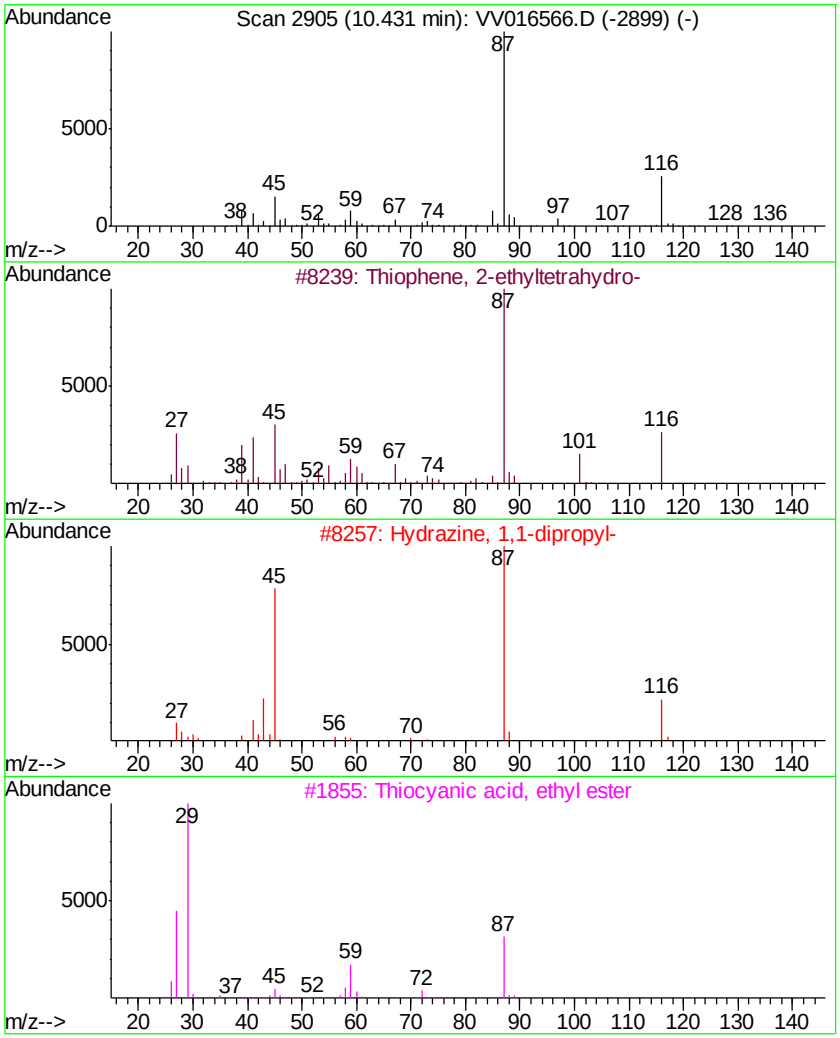
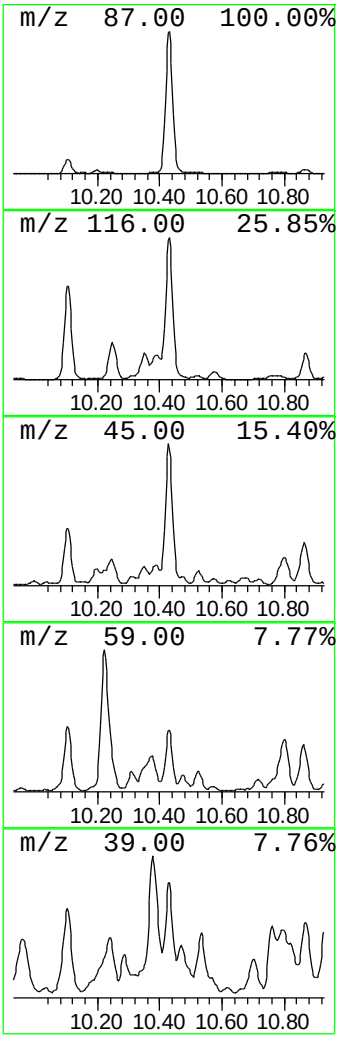
Peak Number 48 Thiophene, 2-ethyltetrahydro- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	18.40 ug/L	543691	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	90
2	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	59
3	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	50
4	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	45
5	2-Methoxy-3-methyl-butyric acid,...	146	C7H14O3	109989-32-4	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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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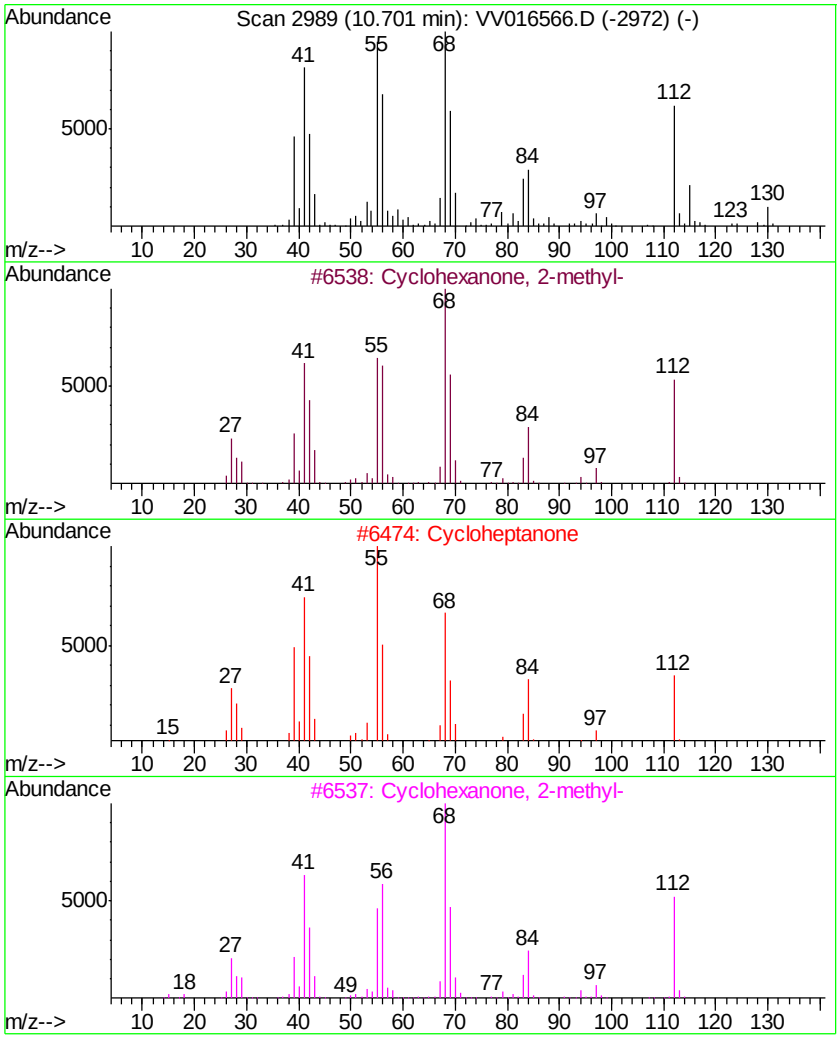
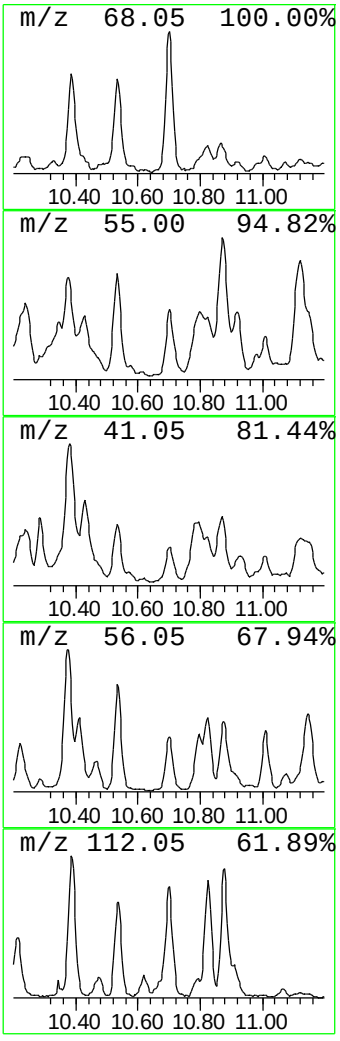
Peak Number 49 Cyclohexanone, 2-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	11.57 ug/L	341673	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2-methyl-	112	C7H12O	000583-60-8	76
2	Cycloheptanone	112	C7H12O	000502-42-1	64
3	Cyclohexanone, 2-methyl-	112	C7H12O	000583-60-8	62
4	Cycloheptanone	112	C7H12O	000502-42-1	62
5	Cyclohexanone, 2-methyl-	112	C7H12O	000583-60-8	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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

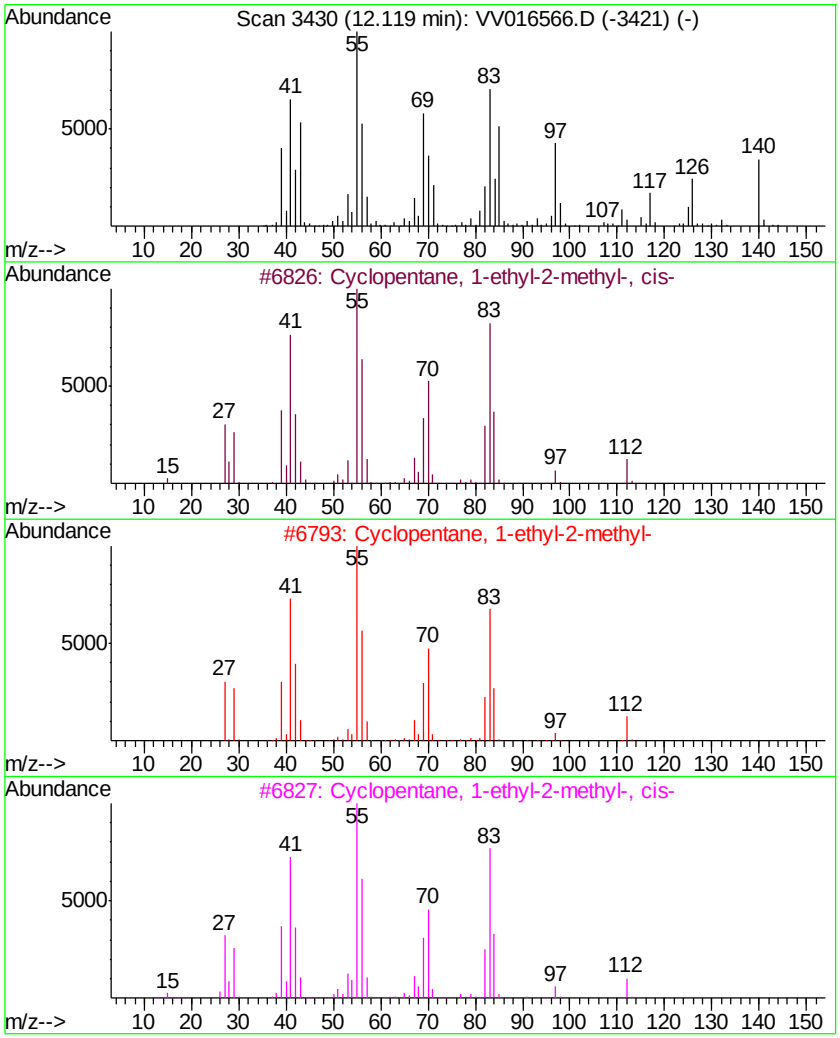
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

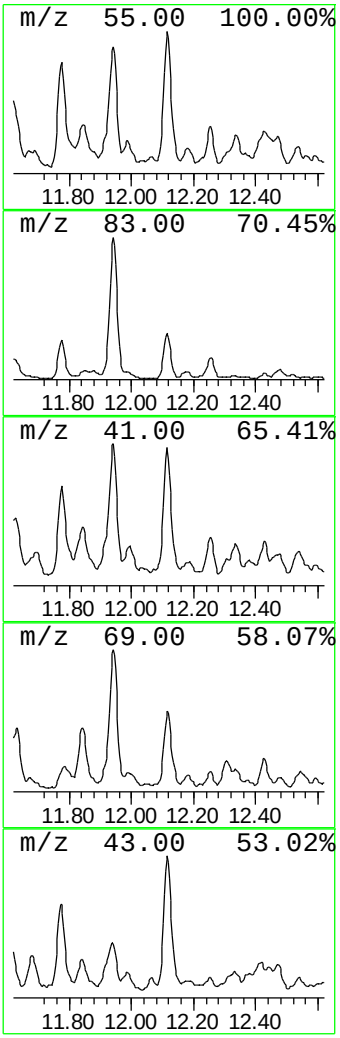
****

Peak Number 57 (DEL) Alkane: Cyclic12.12 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	18.30 ug/L	540717	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	55
2	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	55
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	55
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	49
5	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016566.D
Acq On : 06 Jun 2020 04:03
Operator : SY/MD
Sample : L2862-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D99

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	12.6	ug/L	237487	1	5.64	940350	50.0
(DEL) Alkane: Str...	1.22	34.7	ug/L	652355	1	5.64	940350	50.0
(DEL) Alkane: Str...	1.42	50.0	ug/L	939395	1	5.64	940350	50.0
(DEL) Alkane: Str...	1.62	106.8	ug/L	2008200	1	5.64	940350	50.0
(DEL) Alkane: Cyc...	1.77	56.6	ug/L	1065200	1	5.64	940350	50.0
(DEL) Alkane: Str...	1.81	25.2	ug/L	474496	1	5.64	940350	50.0
(DEL) Alkane: Str...	1.90	57.0	ug/L	1072030	1	5.64	940350	50.0
(DEL) Alkane: Str...	1.99	35.1	ug/L	660486	1	5.64	940350	50.0
(DEL) Alkane: Cyc...	2.03	34.7	ug/L	652553	1	5.64	940350	50.0
(DEL) Alkane: Str...	2.45	5.6	ug/L	105898	1	5.64	940350	50.0
Cyclopentene	2.49	85.0	ug/L	1598040	1	5.64	940350	50.0
(DEL) Alkane: Cyc...	2.59	112.5	ug/L	2115150	1	5.64	940350	50.0
(DEL) Alkane: Str...	2.78	6.5	ug/L	123017	1	5.64	940350	50.0
(DEL) Alkane: Str...	2.96	5.9	ug/L	111586	1	5.64	940350	50.0
(DEL) Alkane: Str...	3.17	3.6	ug/L	67181	1	5.64	940350	50.0
(DEL) Alkane: Str...	3.24	6.3	ug/L	119067	1	5.64	940350	50.0
Cyclopentene, 4-m...	3.45	20.4	ug/L	382830	1	5.64	940350	50.0
Propyl mercaptan	3.70	7.0	ug/L	132133	1	5.64	940350	50.0
(DEL) Alkane: Cyc...	3.78	40.8	ug/L	767095	1	5.64	940350	50.0
Cyclopentene, 3-m...	4.48	3.9	ug/L	73752	1	5.64	940350	50.0
Thiophene	5.39	107.7	ug/L	2026040	1	5.64	940350	50.0
2-Pentanone	5.55	7.1	ug/L	134300	1	5.64	940350	50.0
Diethyl sulfide	5.97	11.4	ug/L	215084	1	5.64	940350	50.0
3-Pentanone	6.35	8.2	ug/L	153611	1	5.64	940350	50.0
Cyclohexene, 4-me...	6.59	8.5	ug/L	160322	1	5.64	940350	50.0
Cyclobutane, (1-m...	6.82	8.5	ug/L	159735	1	5.64	940350	50.0
2-Pentanol, 2-met...	7.16	3.9	ug/L	73880	1	5.64	940350	50.0
2-Pentanone, 3-me...	7.49	20.3	ug/L	418529	2	8.87	1029260	50.0
Thiophene, 2-methyl-	7.54	50.7	ug/L	1043520	2	8.87	1029260	50.0
Thiophene, 3-methyl-	7.72	27.5	ug/L	565613	2	8.87	1029260	50.0
1,4-Pentadiene, 2...	7.87	8.1	ug/L	166724	2	8.87	1029260	50.0
3-Hexanone	8.02	32.2	ug/L	662216	2	8.87	1029260	50.0
Thiophene, tetrah...	8.24	41.7	ug/L	858322	2	8.87	1029260	50.0
1-Ethyl-5-methylc...	8.35	3.3	ug/L	68826	2	8.87	1029260	50.0
Cyclopentane, 2-e...	8.53	2.5	ug/L	52253	2	8.87	1029260	50.0
1,4-Hexadiene, 2,...	8.66	3.5	ug/L	72070	2	8.87	1029260	50.0
3,4-Dimethyl-2-pe...	8.75	4.8	ug/L	98749	2	8.87	1029260	50.0
Thiophene, tetrah...	9.28	59.8	ug/L	1231060	2	8.87	1029260	50.0
Thiophene, 2,3-di...	9.33	47.2	ug/L	971906	2	8.87	1029260	50.0
Thiophene, tetrah...	9.41	72.9	ug/L	1500240	2	8.87	1029260	50.0
trans-2,3-Dimethy...	9.47	53.3	ug/L	1097700	2	8.87	1029260	50.0
cis-2,3-Dimethylt...	9.74	21.0	ug/L	433016	2	8.87	1029260	50.0
2H-Thiopyran, tet...	10.10	27.8	ug/L	820027	3	11.27	1477130	50.0
unknown-01	10.38	25.7	ug/L	758778	3	11.27	1477130	50.0
Thiophene, 2-ethy...	10.43	18.4	ug/L	543691	3	11.27	1477130	50.0
Cyclohexanone, 2-...	10.70	11.6	ug/L	341673	3	11.27	1477130	50.0
(DEL) Alkane: Cyc...	12.12	18.3	ug/L	540717	3	11.27	1477130	50.0