LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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	1.222	34	41	52	rVB	323860	301289	0.69%	0.131%
2	1.315	60	70	79	rBV	2312862	2339942	5.38%	1.018%
3	1.364	79	85	96	rVB	365198	358304	0.82%	0.156%
4	1.422	96	103	110	rBV	255380	229158	0.53%	0.100%
5	1.547	134	142	156	rVB2	234623	389183	0.89%	0.169%
6	1.627	156	167	191	rVB	4915670	6359156	14.62%	2.767%
7	1.769	202	211	216	rBV	485030	614358	1.41%	0.267%
8	1.807	216	223	243	rVV	2649765	3424142	7.87%	1.490%
9	1.904	244	253	269	rVV	1170970	1531609	3.52%	0.666%
10	1.987	269	279	286	rVV	547454	756279	1.74%	0.329%
11	2.029	286	292	308	rVV	289631	419729	0.96%	0.183%
12	2.116	309	319	330	rVV	296515	469004	1.08%	0.204%
13	2.168	330	335	348	rVB2	75155	108662	0.25%	0.047%
14	2.447	405	422	427	rBV4	279290	547132	1.26%	0.238%
15	2.489	427	435	444	rVV	716349	1389642	3.19%	0.605%
16	2.541	445	451	457	rVV	387420	688631	1.58%	0.300%
17	2.589	457	466	500	rVB2	1576319	3175362	7.30%	1.382%
18	2.772	504	523	549	rVB	327483	703727	1.62%	0.306%
19	3.055	597	611	629	rVB	86623	170394	0.39%	0.074%
20	3.238	657	668	676	rVV2	93696	197364	0.45%	0.086%
21	3.290	677	684	699	rVB2	68706	144800	0.33%	0.063%
22	3.454	721	735	748	rVV3	344133	887772	2.04%	0.386%
23	3.524	749	757	771	rVV	141743	318484	0.73%	0.139%
24	3.785	814	838	859	rBV	1764818	4502095	10.35%	1.959%
25	3.897	863	873	901	rVB	108114	291261	0.67%	0.127%
26	4.373	1004	1021	1042	rBV2	232428	594759	1.37%	0.259%
27	4.483	1044	1055	1074	rVB2	46716	117450	0.27%	0.051%
28	4.701	1096	1123	1143	rBV	2395299	5979665	13.74%	2.602%
29	4.971	1180	1207	1217	rBV6	38393	130622	0.30%	0.057%
30	5.126	1217	1255	1272	rBV	17817415	41305093	94.94%	17.971%
31	5.241	1273	1291	1312	rVB3	845673	2371145	5.45%	1.032%
32	5.347	1313	1324	1331	rBV2	87372	187367	0.43%	0.082%
33	5.640	1401	1415	1456	rBV	489525	1069291	2.46%	0.465%
34	6.093	1540	1556	1565	rBV	310588	638897	1.47%	0.278%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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	6.154	1566	1575	1599	rVV2	385252	871435	2.00%	0.379%
36	6.386	1635	1647	1662	rBV3	54475	108018	0.25%	0.047%
37	6.572	1690	1705	1708	rBV	194630	351558	0.81%	0.153%
38	6.823	1770	1783	1795	rBV	357922	645739	1.48%	0.281%
39	7.007	1829	1840	1854	rBV	184068	328651	0.76%	0.143%
40	7.161	1877	1888	1893	rBV2	168669	312898	0.72%	0.136%
41	7.338	1932	1943	1953	rBV	660744	1150076	2.64%	0.500%
42	7.412	1953	1966	1988	rVV	18710943	33095698	76.07%	14.399%
43	7.540	1989	2006	2021	rVV	820421	1581478	3.63%	0.688%
44	7.640	2030	2037	2052	rVV	118062	200556	0.46%	0.087%
45	7.717	2052	2061	2076	rVB	281034	465900	1.07%	0.203%
46	8.106	2172	2182	2196	rBV	406200	672332	1.55%	0.293%
47	8.306	2235	2244	2253	rBV3	65148	117139	0.27%	0.051%
48	8.373	2254	2265	2275	rVB2	46579	103116	0.24%	0.045%
49	8.875	2410	2421	2429	rBV	730260	1165576	2.68%	0.507%
50	8.920	2429	2435	2446	rVB	290658	460691	1.06%	0.200%
51	9.039	2457	2472	2491	rBV2	25972643	43508692	100.00%	18.929%
52	9.161	2492	2510	2535	rVB	5252200	9229461	21.21%	4.015%
53	9.286	2537	2549	2554	rBV3	122230	207124	0.48%	0.090%
54	9.328	2554	2562	2577	rVB2	480177	812791	1.87%	0.354%
55	9.405	2577	2586	2597	rBV	158104	246069	0.57%	0.107%
56	9.473	2597	2607	2614	rBV2	142406	242514	0.56%	0.106%
57	9.521	2614	2622	2626	rVV	330666	484556	1.11%	0.211%
58	9.566	2626	2636	2653	rVB	5377123	8465359	19.46%	3.683%
59	9.740	2678	2690	2700	rBV2	105942	188574	0.43%	0.082%
60	9.804	2700	2710	2712	rBV	97262	141246	0.32%	0.061%
61	9.884	2726	2735	2745	rBV3	138893	219031	0.50%	0.095%
62	9.952	2745	2756	2766	rBV	1613647	2447061	5.62%	1.065%
63	10.103	2795	2803	2819	rVB	94281	167020	0.38%	0.073%
64	10.238	2835	2845	2857	rVB	486400	794747	1.83%	0.346%
65	10.373	2874	2887	2898	rBV	1531163	2347199	5.39%	1.021%
66	10.431	2898	2905	2911	rBV2	288578	414546	0.95%	0.180%
67	10.476	2911	2919	2921	rBV2	463280	603206	1.39%	0.262%
68	10.559	2938	2945	2957	rVB	184270	285591	0.66%	0.124%
69	10.624	2957	2965	2971	rBV2	90205	136998	0.31%	0.060%
70	10.666	2971	2978	2991	rVB2	123783	294161	0.68%	0.128%
71	10.759	2996	3007	3029	rVV	3463561	6102952	14.03%	2.655%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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	10.862	3029	3039	3050	rVB3	154287	279385	0.64%	0.122%
73	10.936	3050	3062	3078	rBV	4440487	6594234	15.16%	2.869%
74	11.010	3079	3085	3092	rVV2	84000	122275	0.28%	0.053%
75	11.061	3092	3101	3109	rVV3	76586	156667	0.36%	0.068%
76	11.113	3110	3117	3133	rVB5	127251	241548	0.56%	0.105%
77	11.215	3141	3149	3154	rBV	81507	110828	0.25%	0.048%
78	11.267	3154	3165	3180	rVB2	1064738	1875112	4.31%	0.816%
79	11.357	3183	3193	3204	rVB	2157896	3150203	7.24%	1.371%
80	11.418	3204	3212	3220	rVB	134057	193824	0.45%	0.084%
81	11.550	3242	3253	3265	rBV	1573358	2580999	5.93%	1.123%
82	11.646	3274	3283	3306	rVB5	806622	1524657	3.50%	0.663%
83	11.768	3311	3321	3332	rVB	380728	626289	1.44%	0.272%
84	11.839	3332	3343	3351	rBV2	139270	248572	0.57%	0.108%
85	11.936	3364	3373	3377	rVV2	144237	221207	0.51%	0.096%
86	11.965	3378	3382	3389	rVV	147441	181458	0.42%	0.079%
87	12.039	3398	3405	3411	rVV2	284399	425897	0.98%	0.185%
88	12.071	3412	3415	3424	rVV2	133048	174766	0.40%	0.076%
89	12.138	3426	3436	3454	rVV2	515559	973336	2.24%	0.423%
90	12.338	3490	3498	3508	rVB2	188065	281246	0.65%	0.122%
91	12.437	3521	3529	3537	rBV	78394	131880	0.30%	0.057%
92	12.492	3538	3546	3560	rVB2	210418	339781	0.78%	0.148%
93	12.749	3610	3626	3635	rBV	185491	307486	0.71%	0.134%
94	12.903	3663	3674	3685	rBV2	882019	1372531	3.15%	0.597%
95	12.971	3686	3695	3709	rVB	355859	544156	1.25%	0.237%
96	13.077	3715	3728	3739	rBV3	492380	837045	1.92%	0.364%
97	13.524	3855	3867	3880	rBV	2115991	3241377	7.45%	1.410%
98	13.646	3893	3905	3916	rBV	346989	547441	1.26%	0.238%
99	14.659	4210	4220	4235	rBV2	156426	323829	0.74%	0.141%
100	14.842	4266	4277	4292	rVV2	309278	556666	1.28%	0.242%

Sum of corrected areas: 229846222

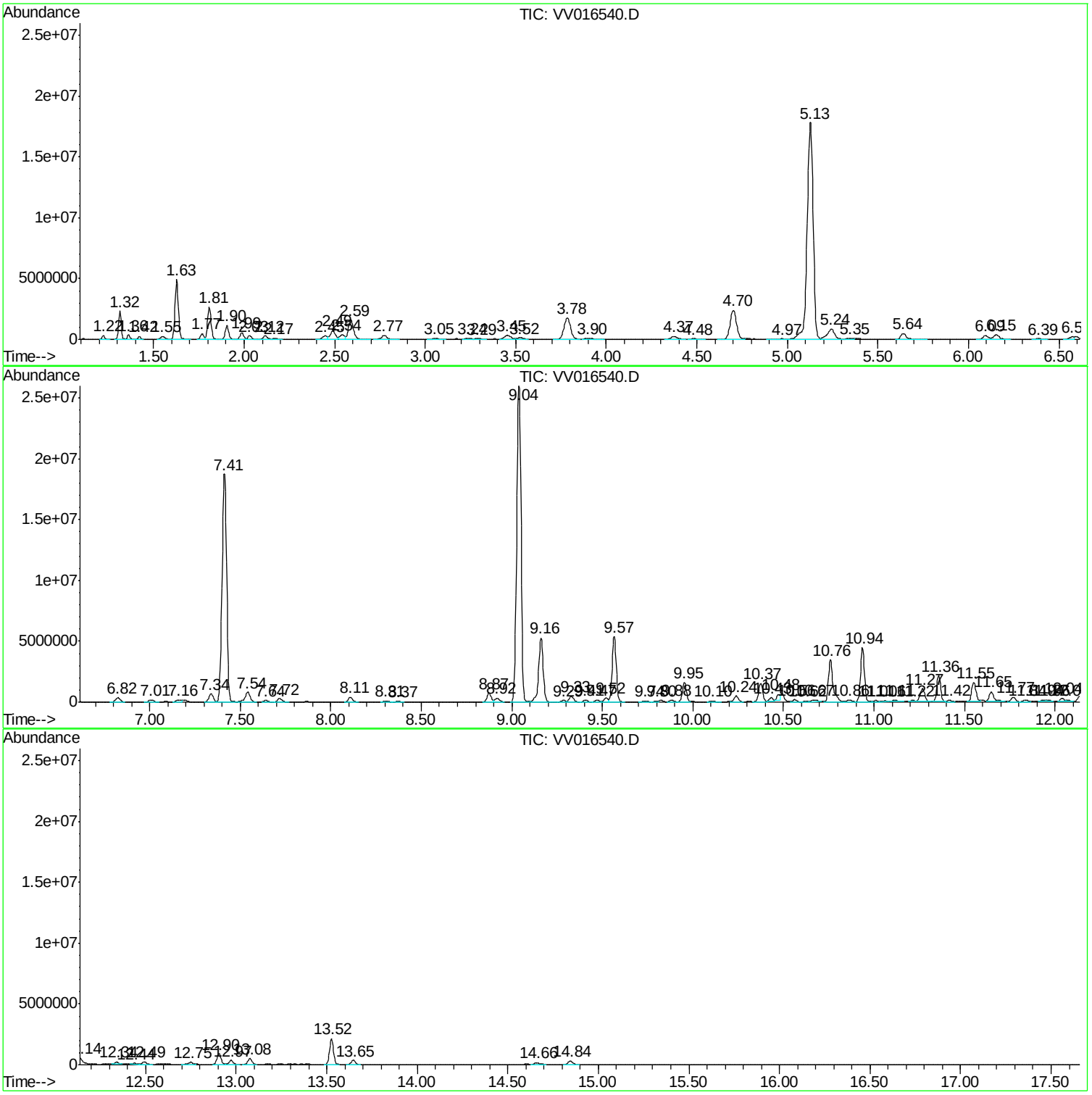
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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 : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

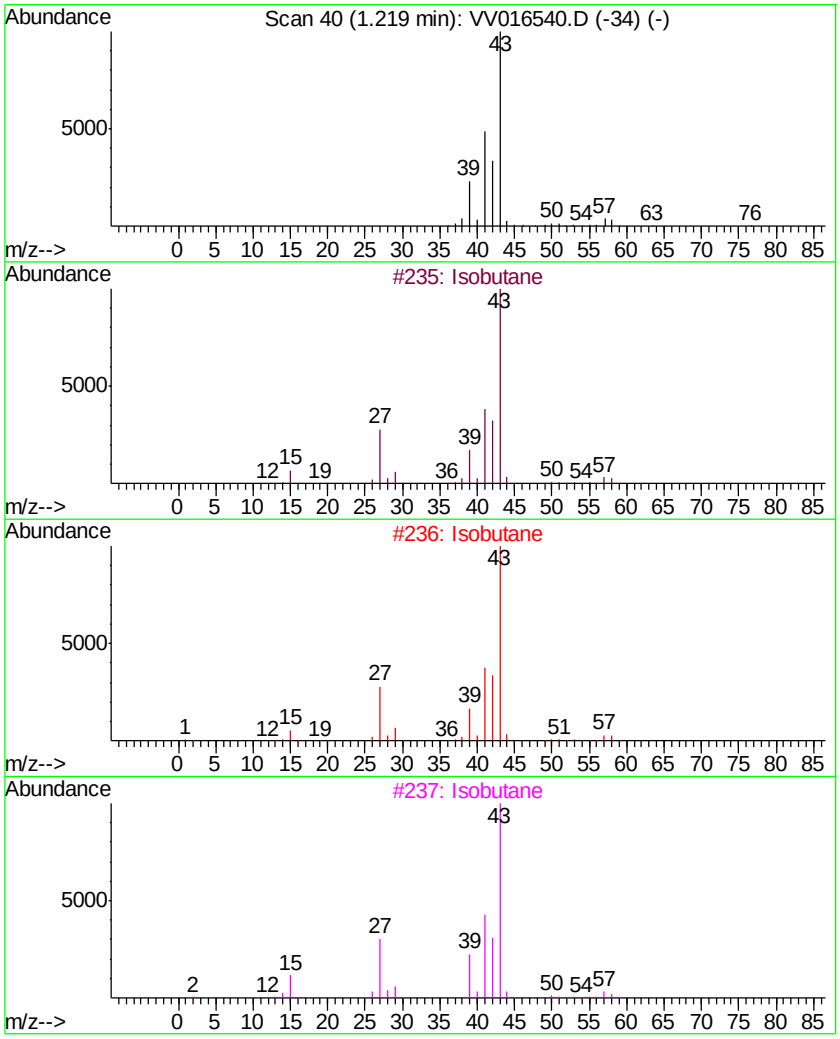
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

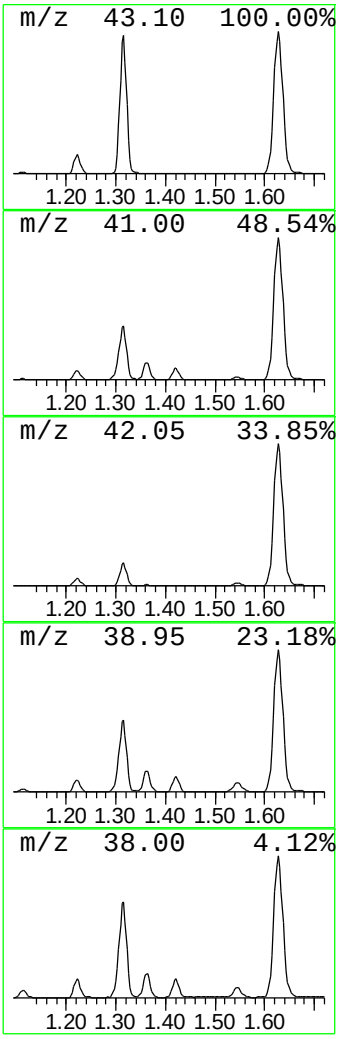
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	14.09 ug/L	301289	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	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

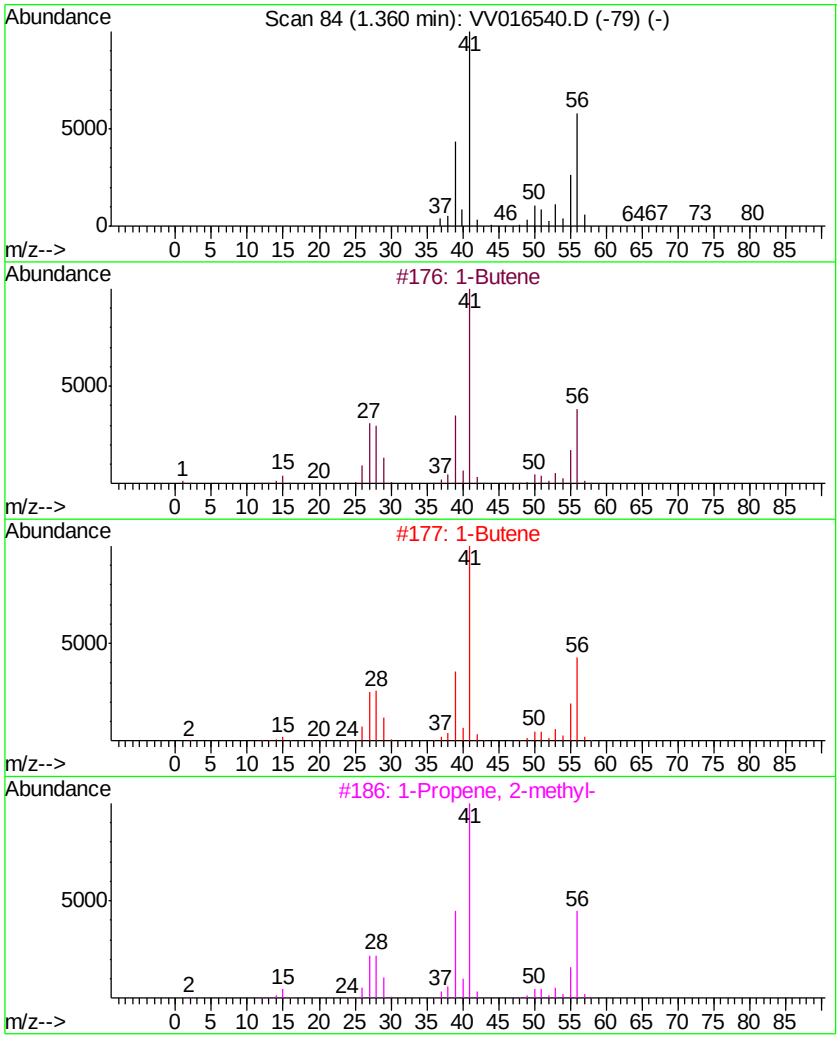
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

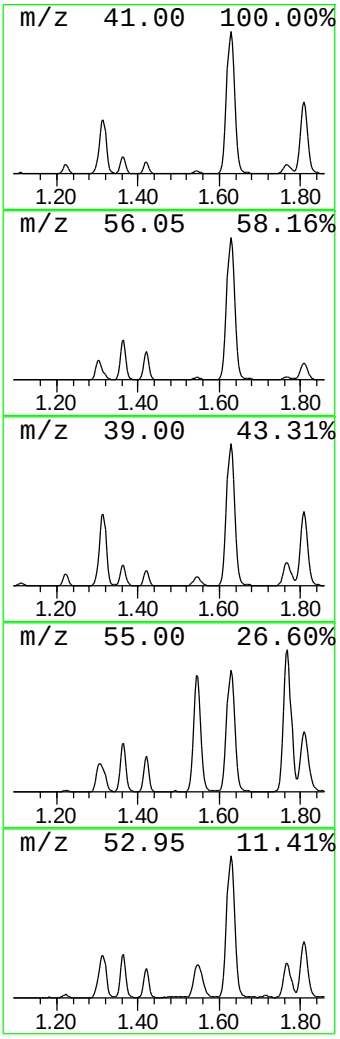
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.36	16.75 ug/L	358304	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	86
2	1-Butene	56	C4H8	000106-98-9	86
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	86
4	2-Butene, (Z)-	56	C4H8	000590-18-1	83
5	2-Butene, (E)-	56	C4H8	000624-64-6	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

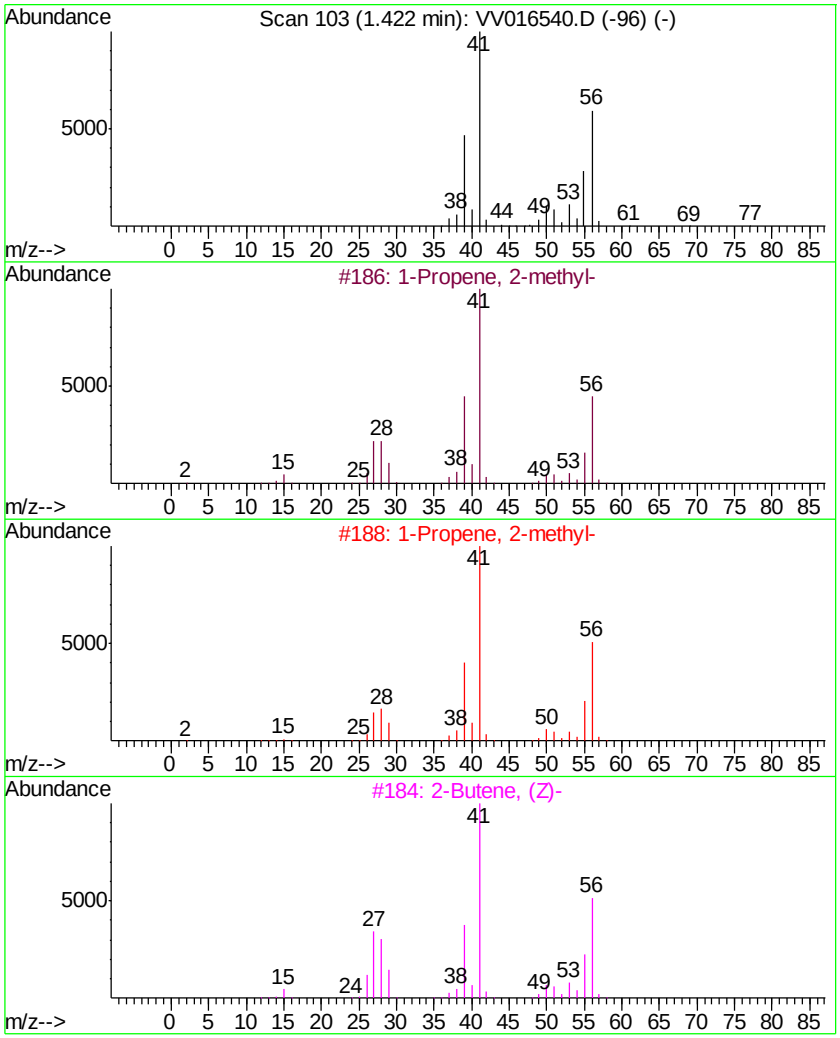
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

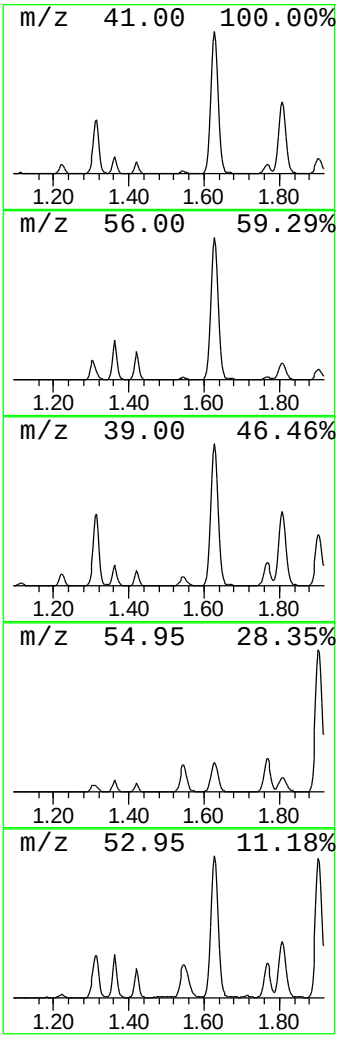
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.42	10.72 ug/L	229158	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	86
3	2-Butene, (Z)-	56	C4H8	000590-18-1	83
4	2-Butene, (E)-	56	C4H8	000624-64-6	80
5	2-Butene	56	C4H8	000107-01-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

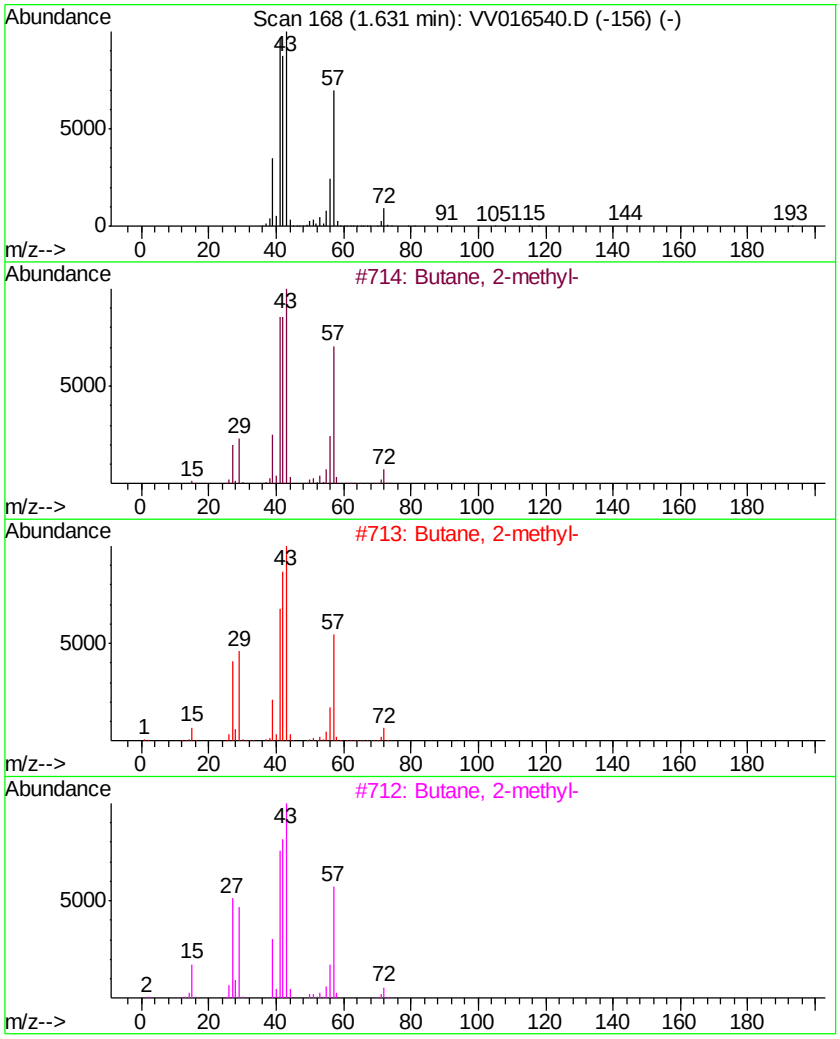
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

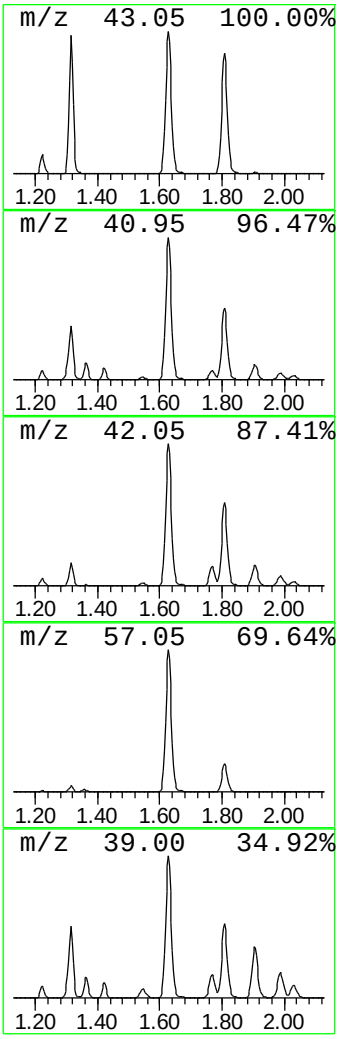
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.63	297.35 ug/L	6359160	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

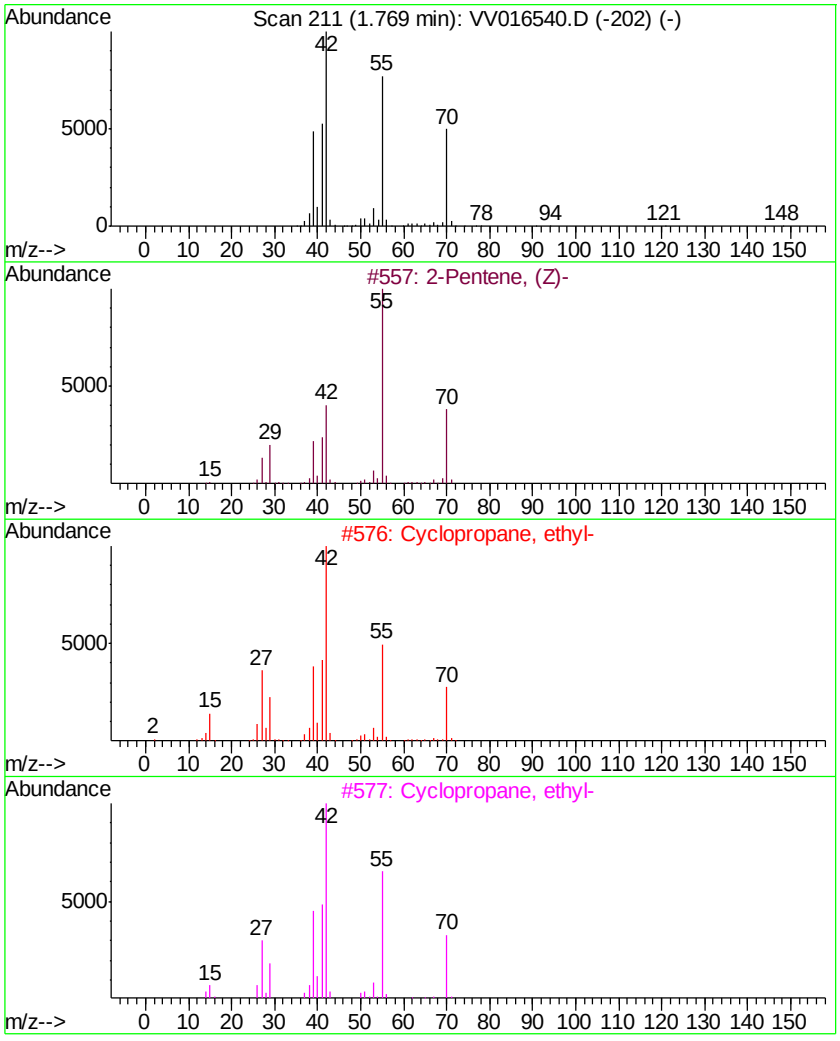
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

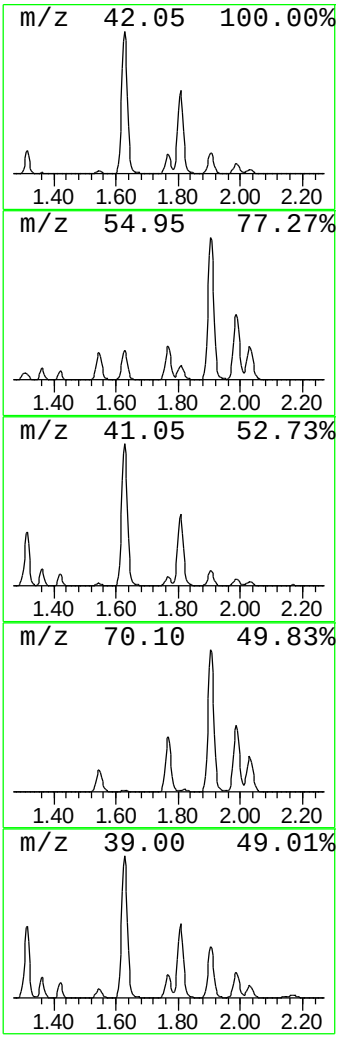
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.77	28.73 ug/L	614358	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	78
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	64
5	1-Pentene	70	C5H10	000109-67-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

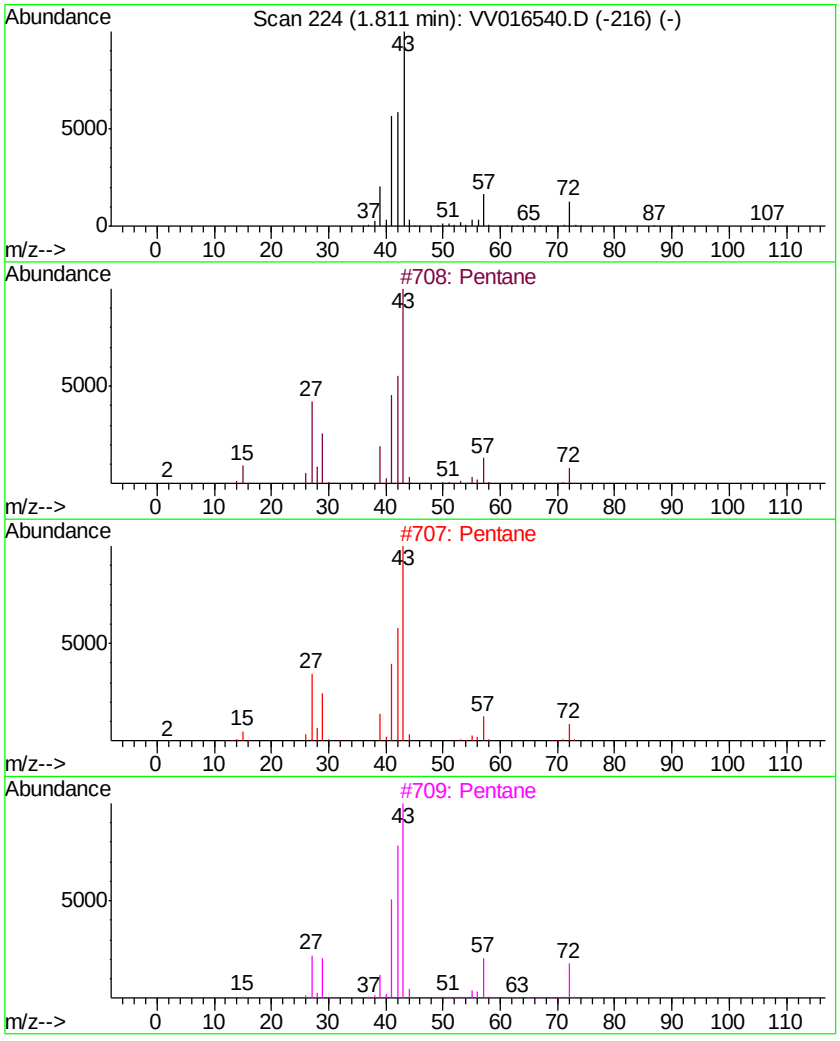
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

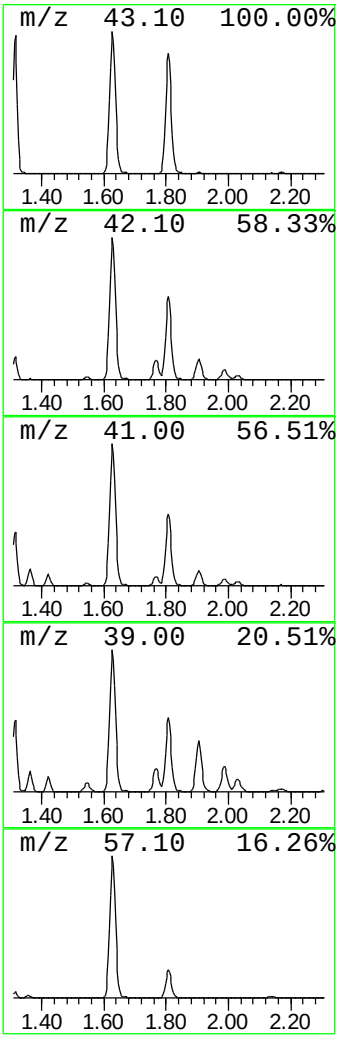
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.81	160.11 ug/L	3424140	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	72
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

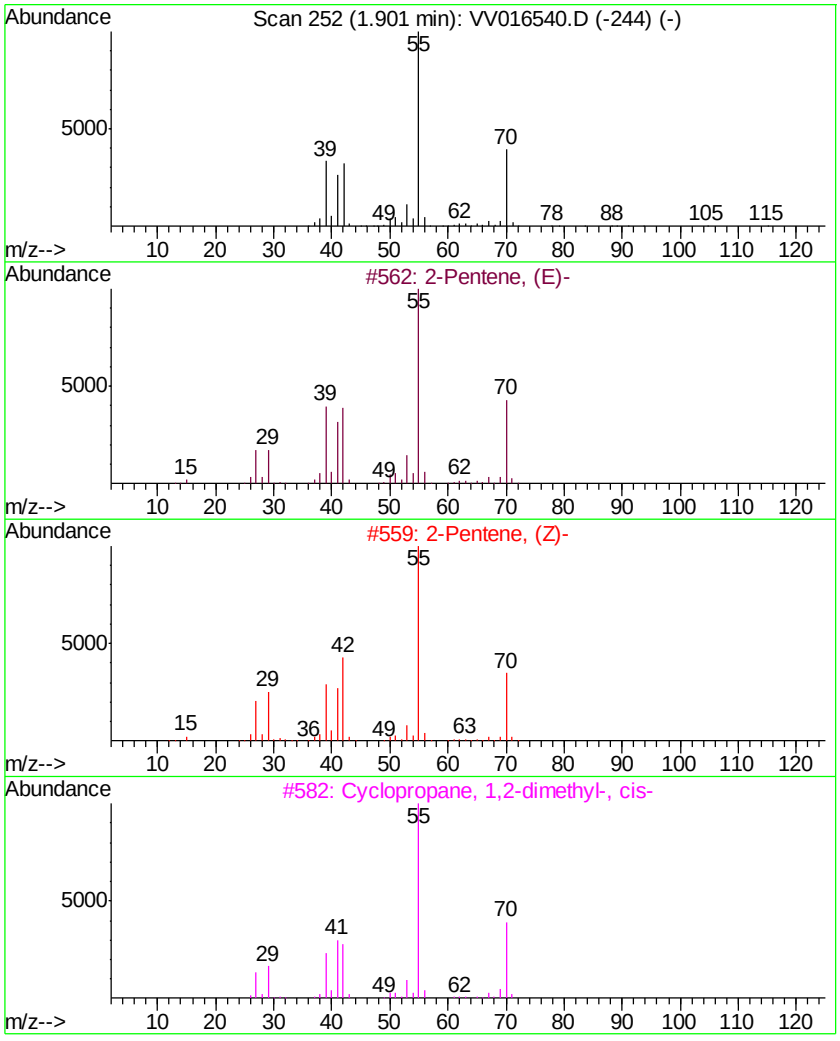
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

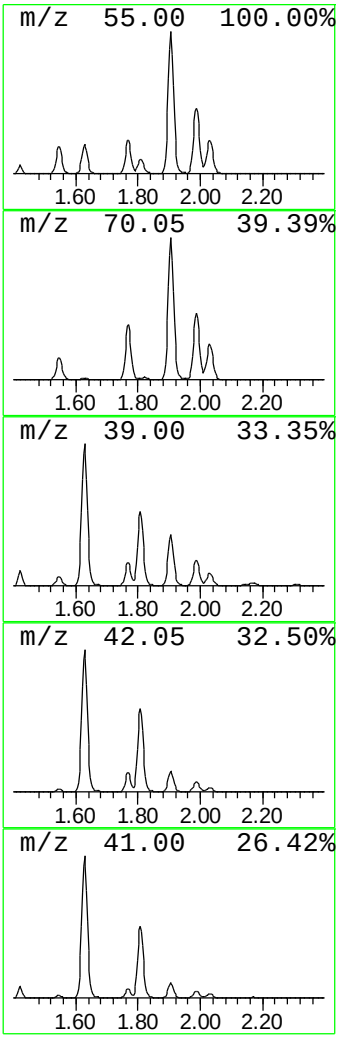
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.90	71.62 ug/L	1531610	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	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
4	2-Methyl-1-butene	70	C5H10	000563-46-2	90
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

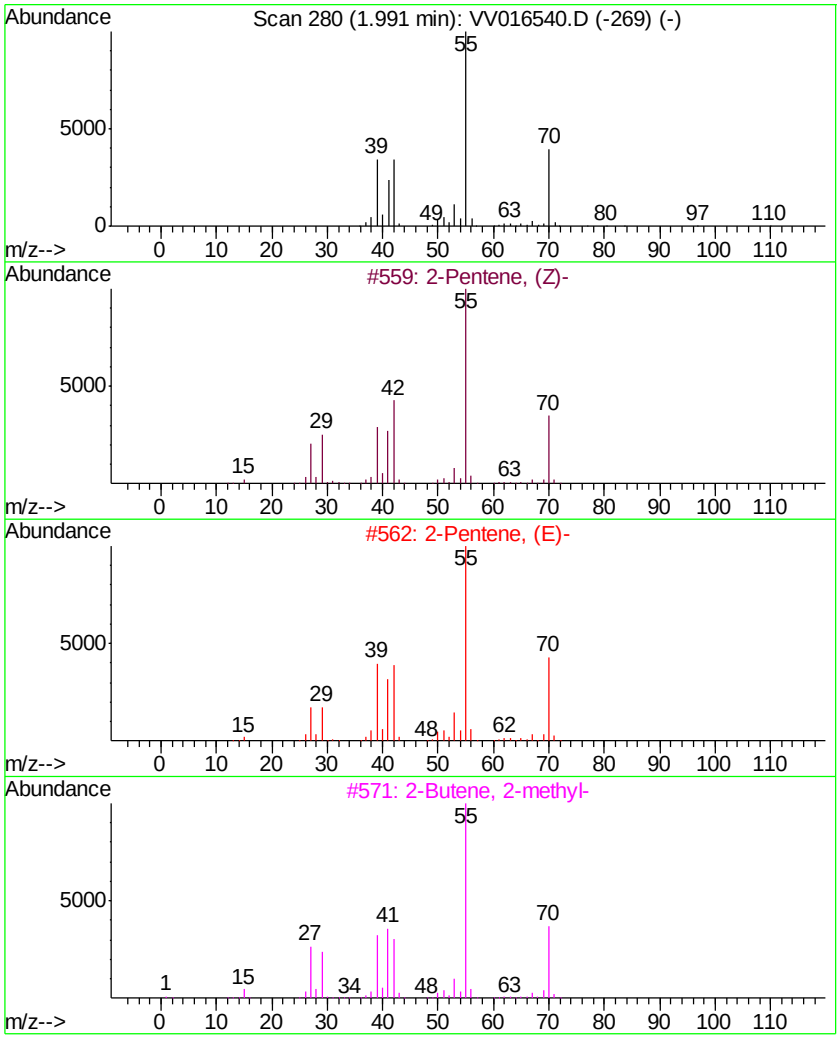
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

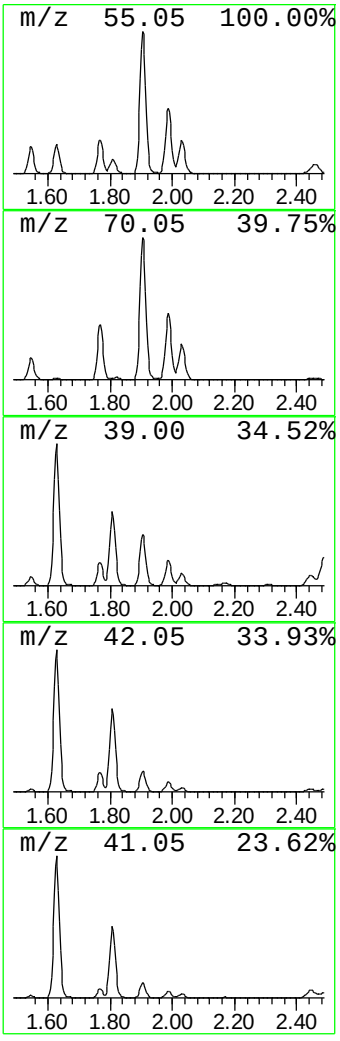
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.99	35.36 ug/L	756279	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
2	2-Pentene, (E)-	70	C5H10	000646-04-8	90
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	2-Methyl-1-butene	70	C5H10	000563-46-2	87
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

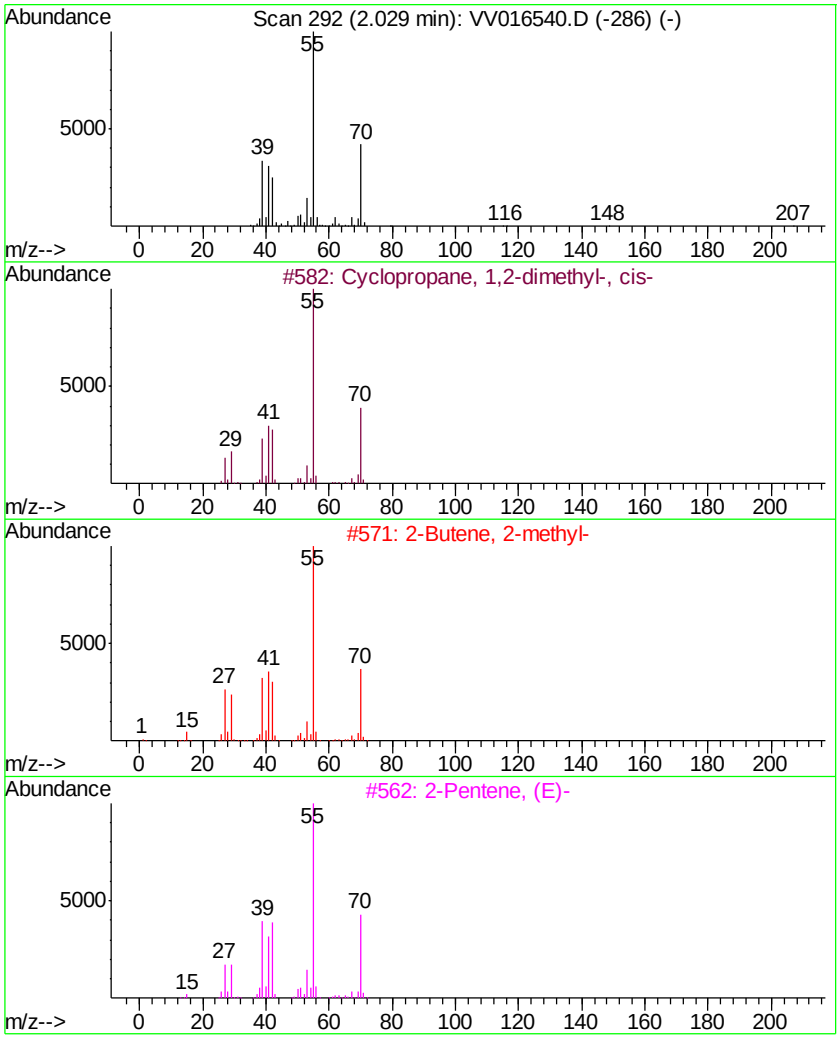
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

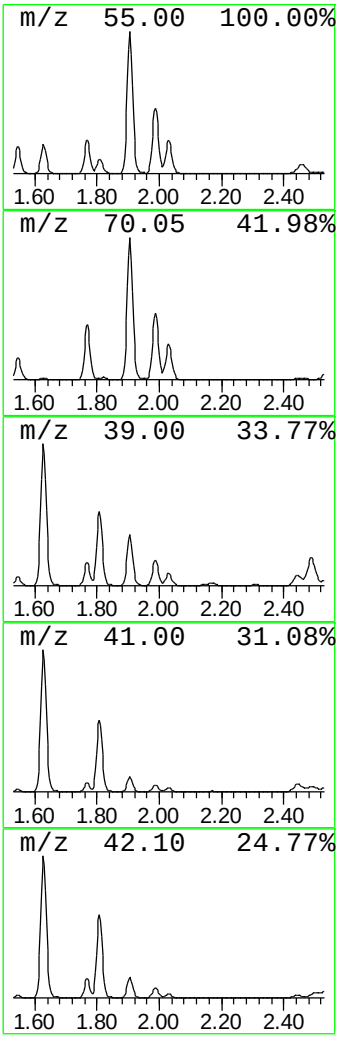
****

Peak Number 9 (DEL) Alkane: Cyclic2.03 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.03	19.63 ug/L	419729	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	87
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
3	2-Pentene, (E)-	70	C5H10	000646-04-8	83
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	80
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

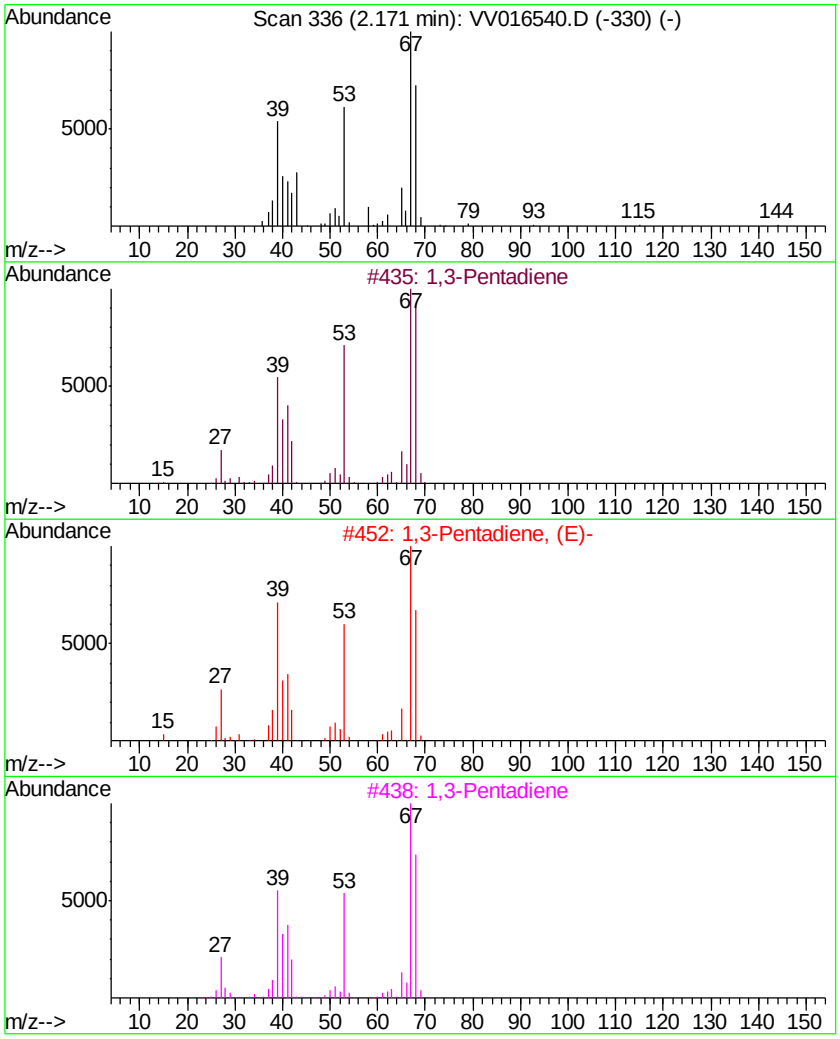
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

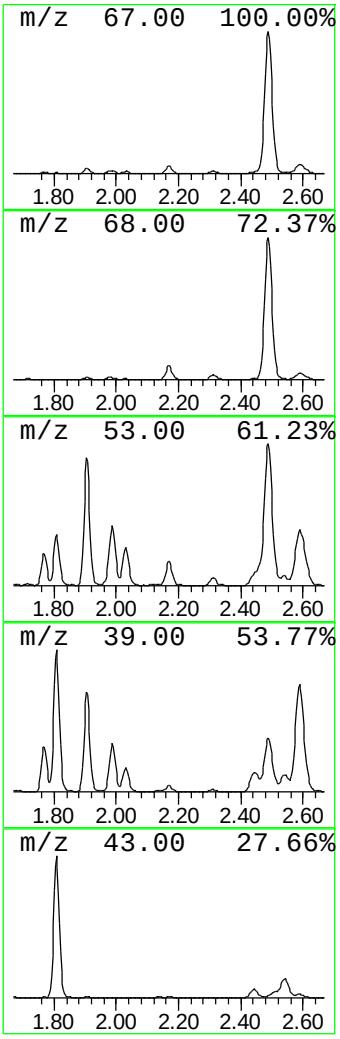
****

Peak Number 10 1,3-Pentadiene Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	5.08 ug/L	108662	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Pentadiene	68	C5H8	000504-60-9	95
2	1,3-Pentadiene, (E)-	68	C5H8	002004-70-8	91
3	1,3-Pentadiene	68	C5H8	000504-60-9	91
4	1,4-Pentadiene	68	C5H8	000591-93-5	91
5	1,3-Pentadiene, (E)-	68	C5H8	002004-70-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

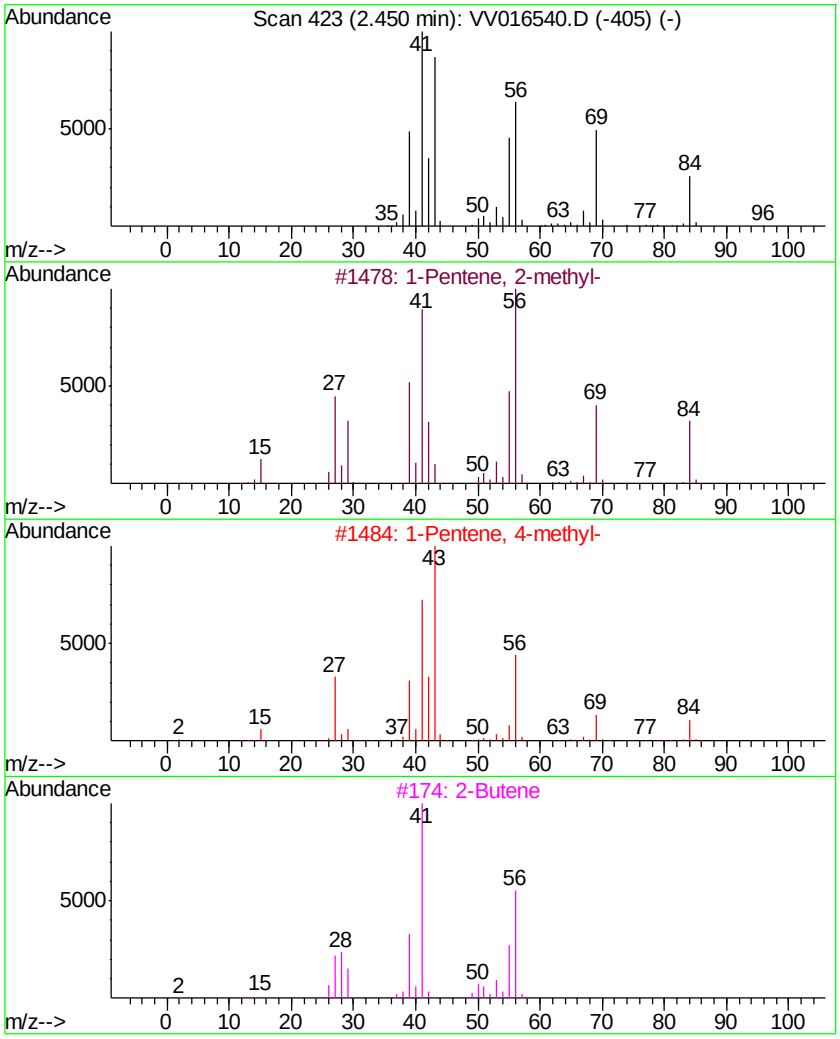
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

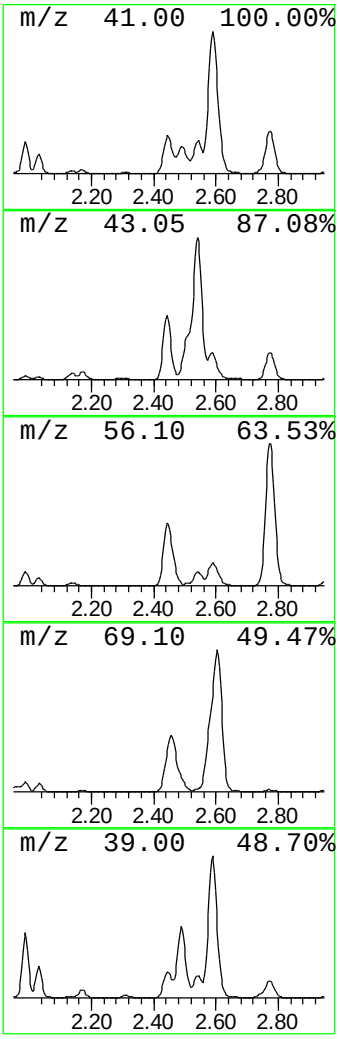
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.45	25.58 ug/L	547132	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
2	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	52
3	2-Butene	56	C4H8	000107-01-7	46
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	46
5	2-Butene, (E)-	56	C4H8	000624-64-6	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

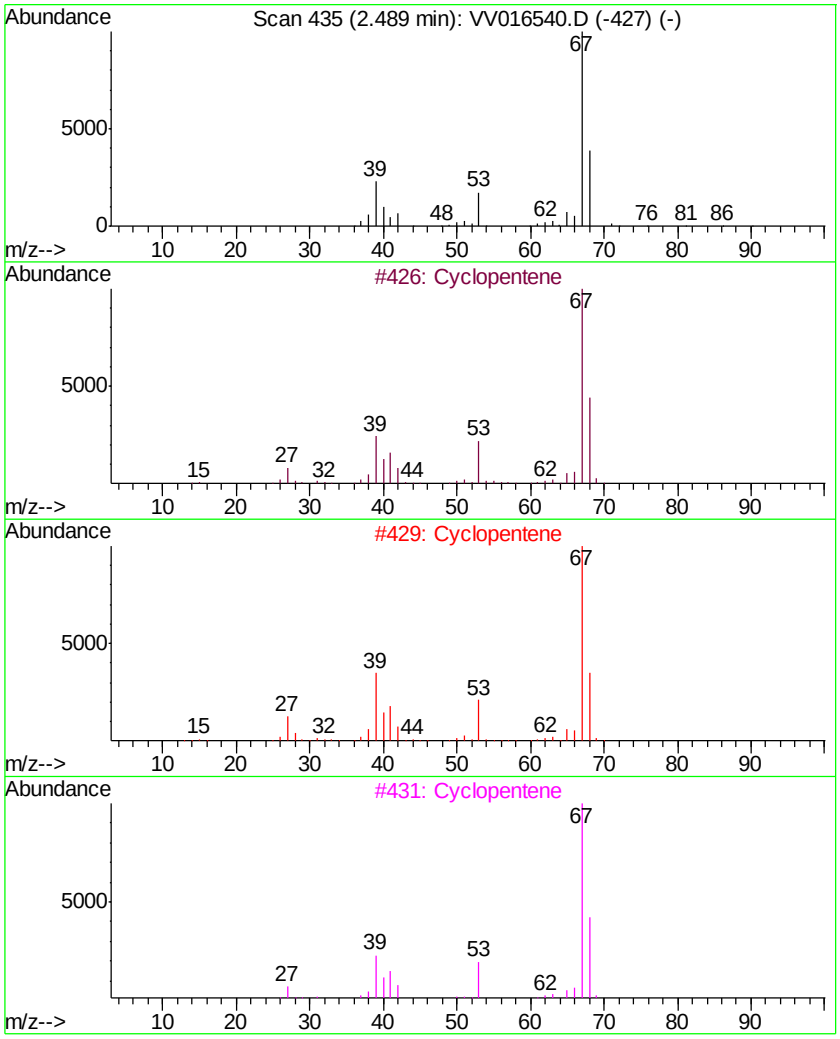
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

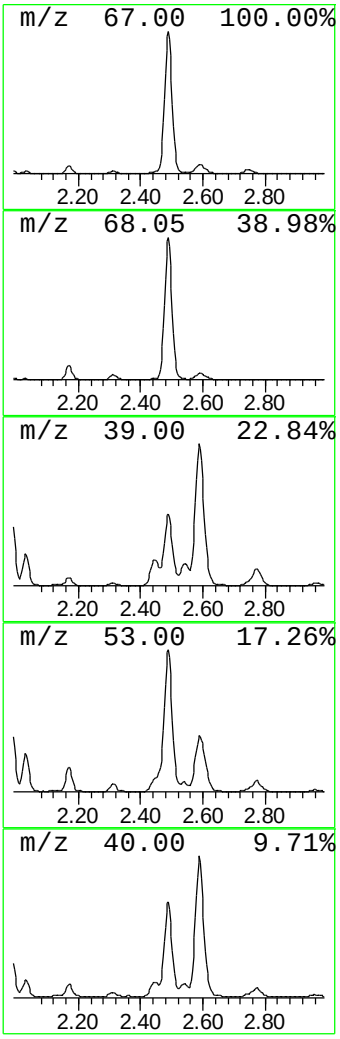
****

Peak Number 12 Cyclopentene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	64.98 ug/L	1389640	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	91
4	Cyclopentene	68	C5H8	000142-29-0	78
5	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

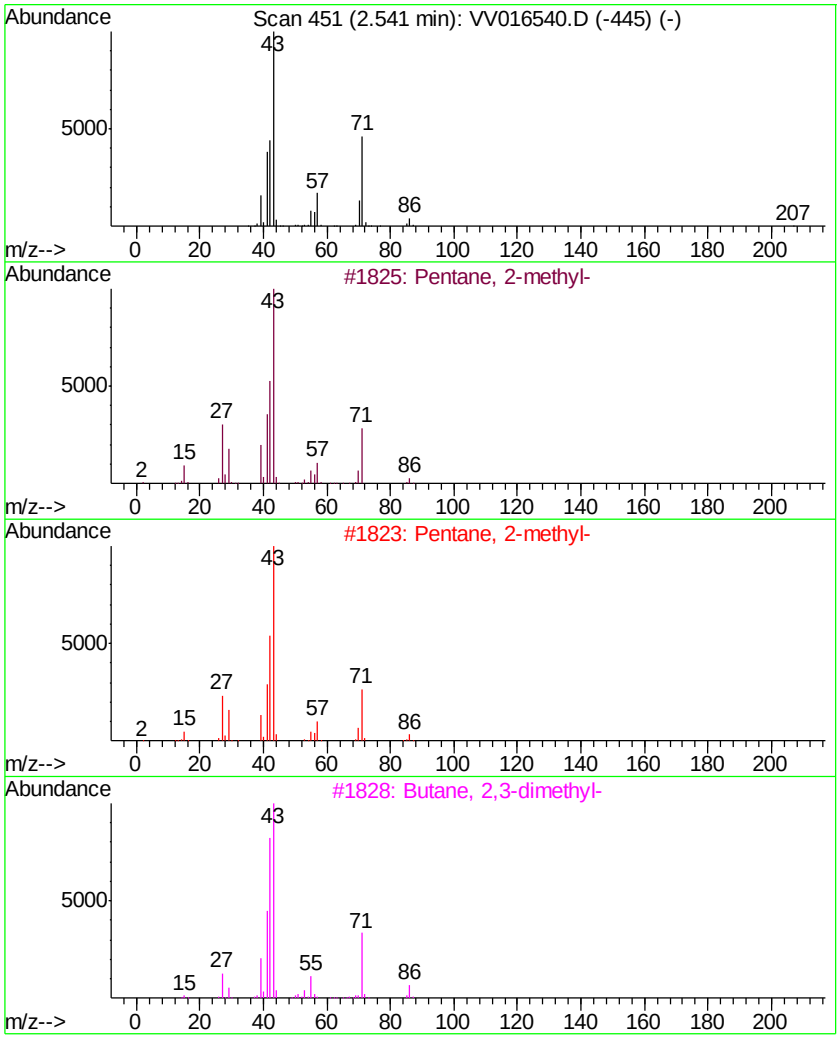
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

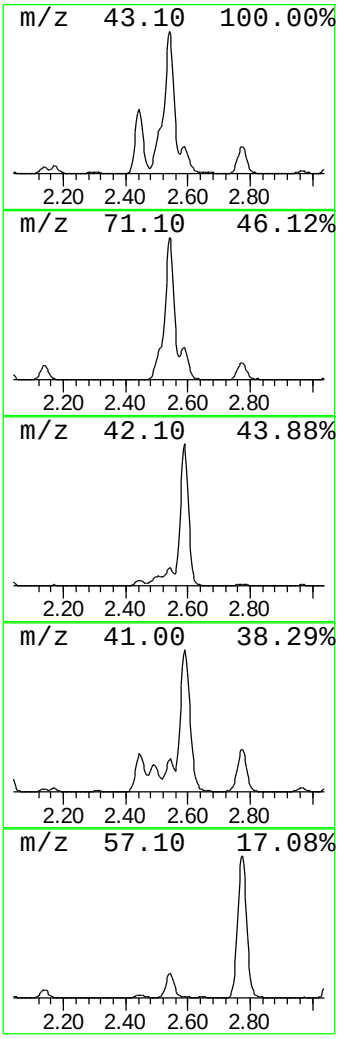
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.54	32.20 ug/L	688631	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	83
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

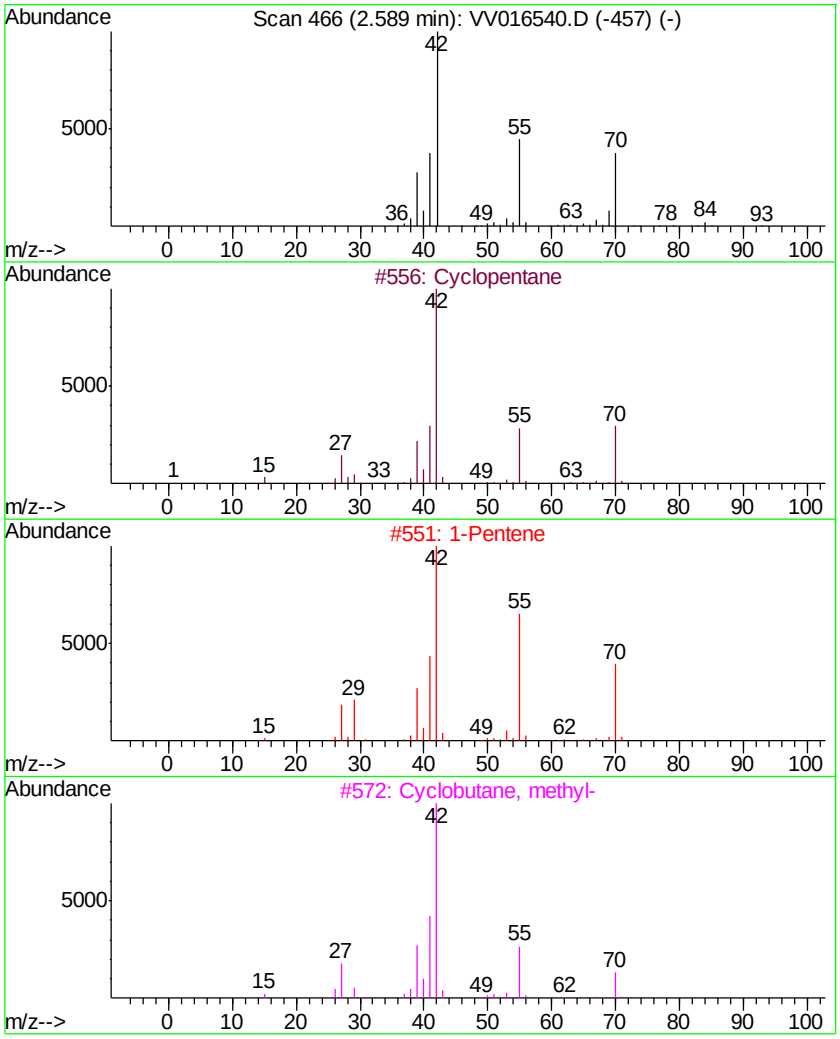
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

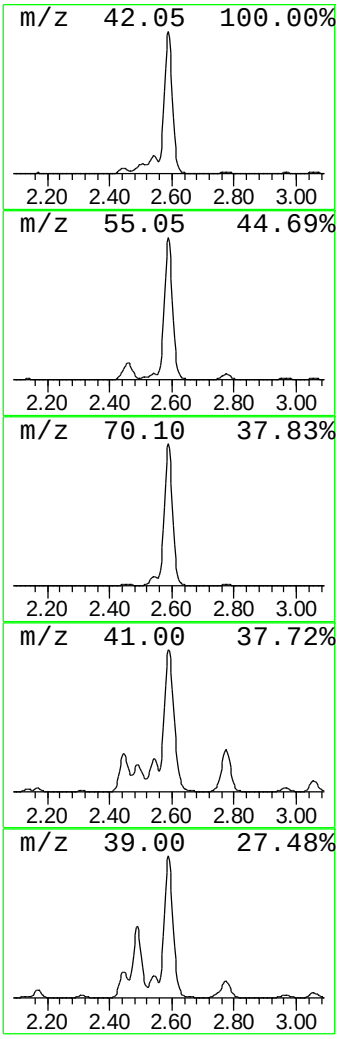
****

Peak Number 14 (DEL) Alkane: Cyclic2.59 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	148.48 ug/L	3175360	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	86
2	1-Pentene	70	C5H10	000109-67-1	80
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
5	1-Pentene	70	C5H10	000109-67-1	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

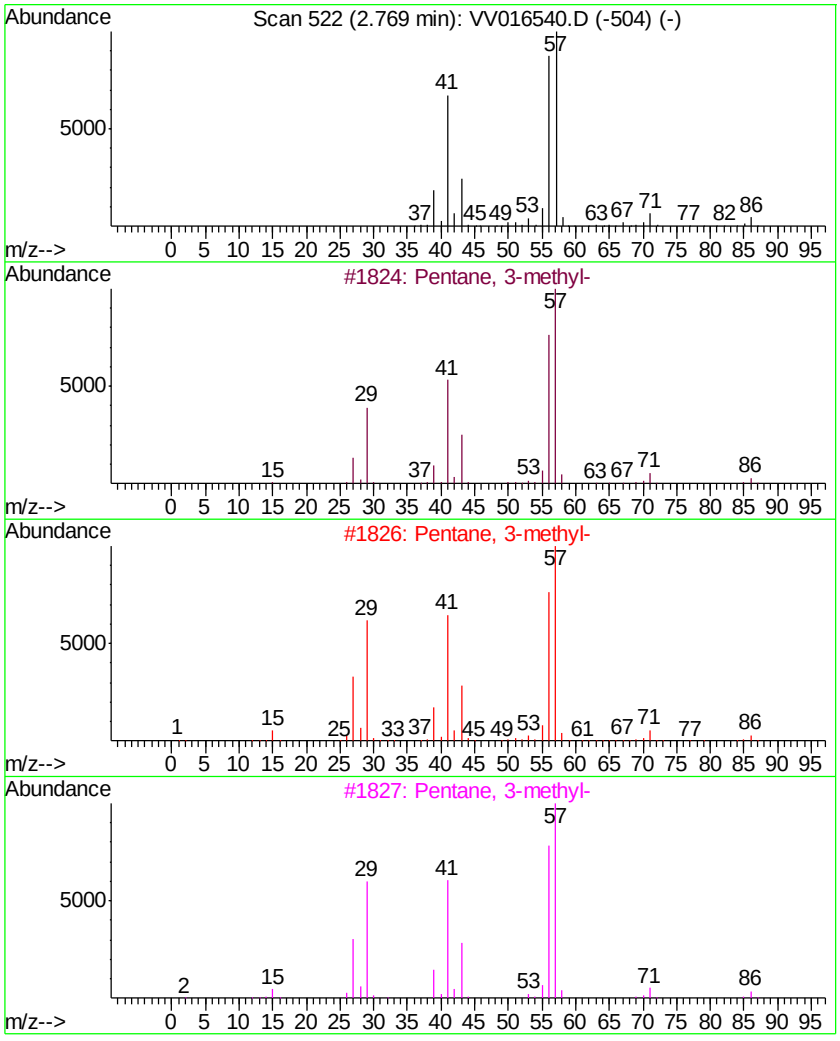
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

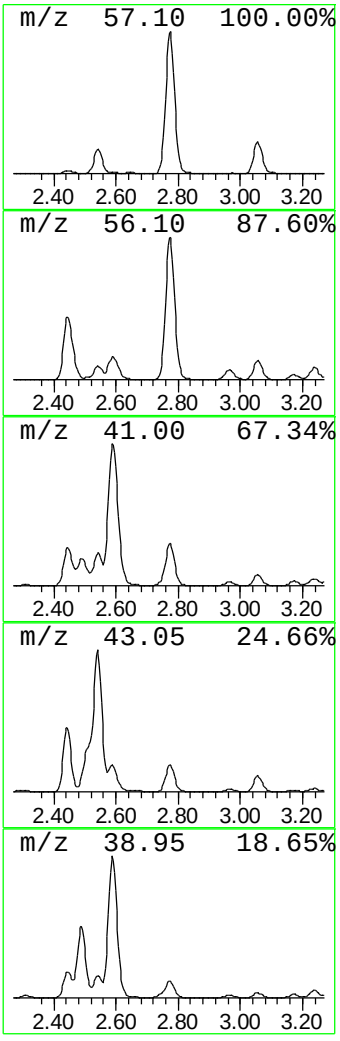
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	32.91 ug/L	703727	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

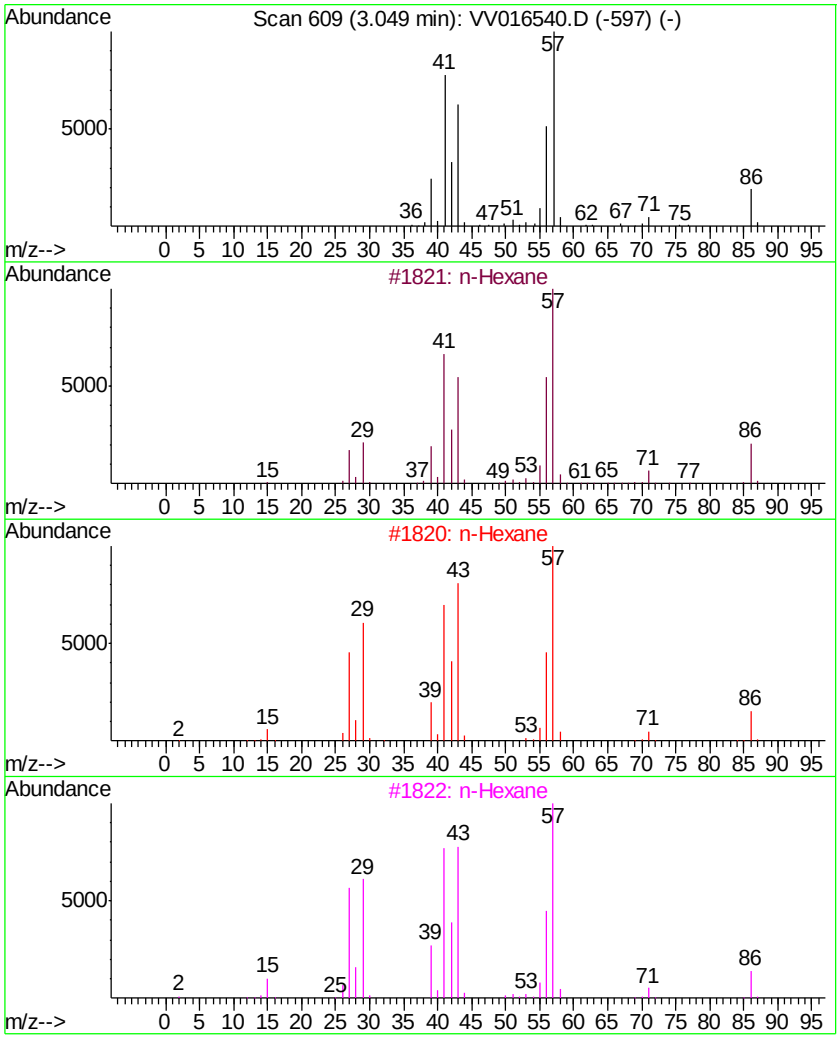
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

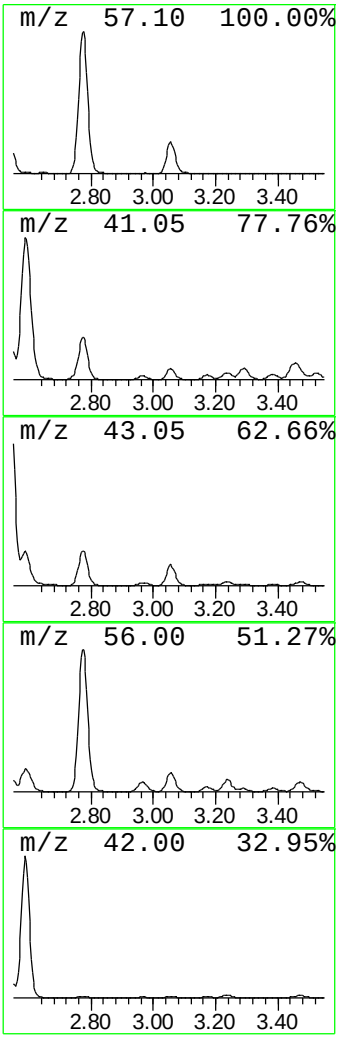
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	7.97 ug/L	170394	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	78
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	47
5	Cyclobutanone, 3-ethyl-	98	C6H10O	056335-73-0	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

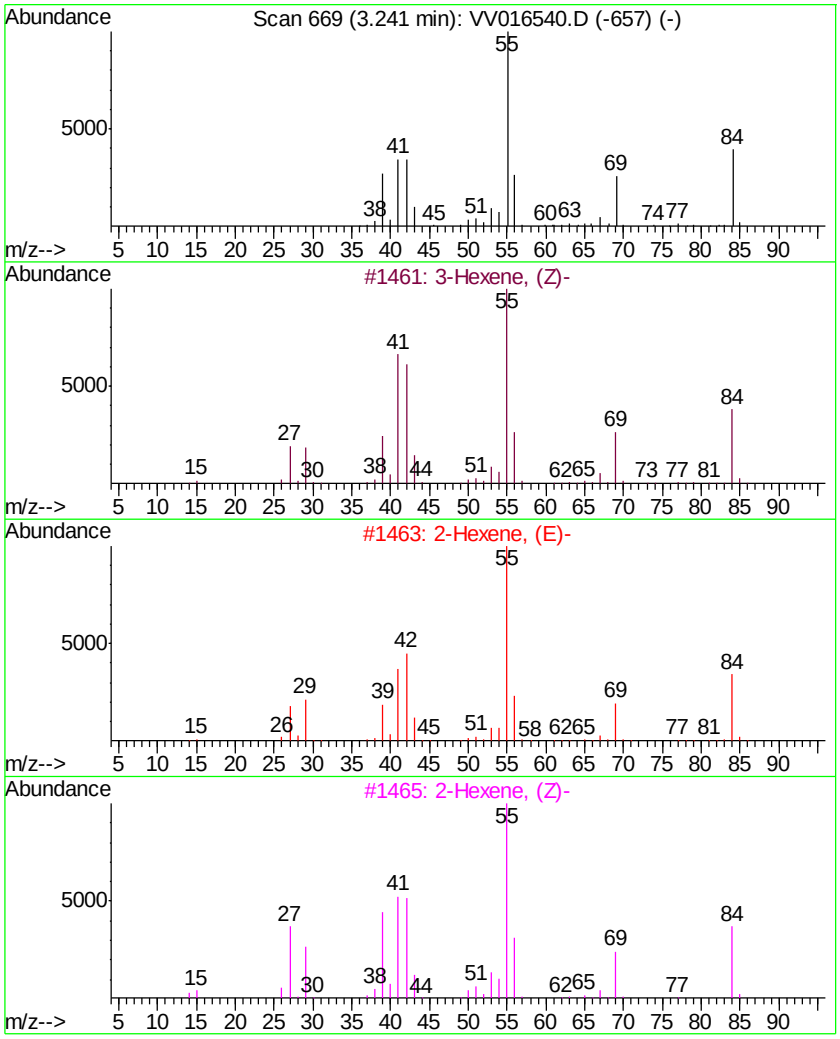
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

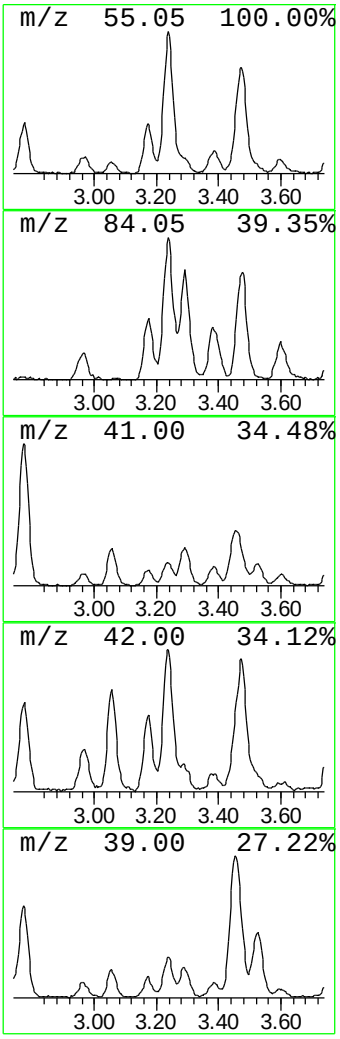
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	9.23 ug/L	197364	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	2-Hexene, (E)-	84	C6H12	004050-45-7	91
3	2-Hexene, (Z)-	84	C6H12	007688-21-3	91
4	3-Hexene, (Z)-	84	C6H12	007642-09-3	91
5	2-Hexene, (Z)-	84	C6H12	007688-21-3	91





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Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

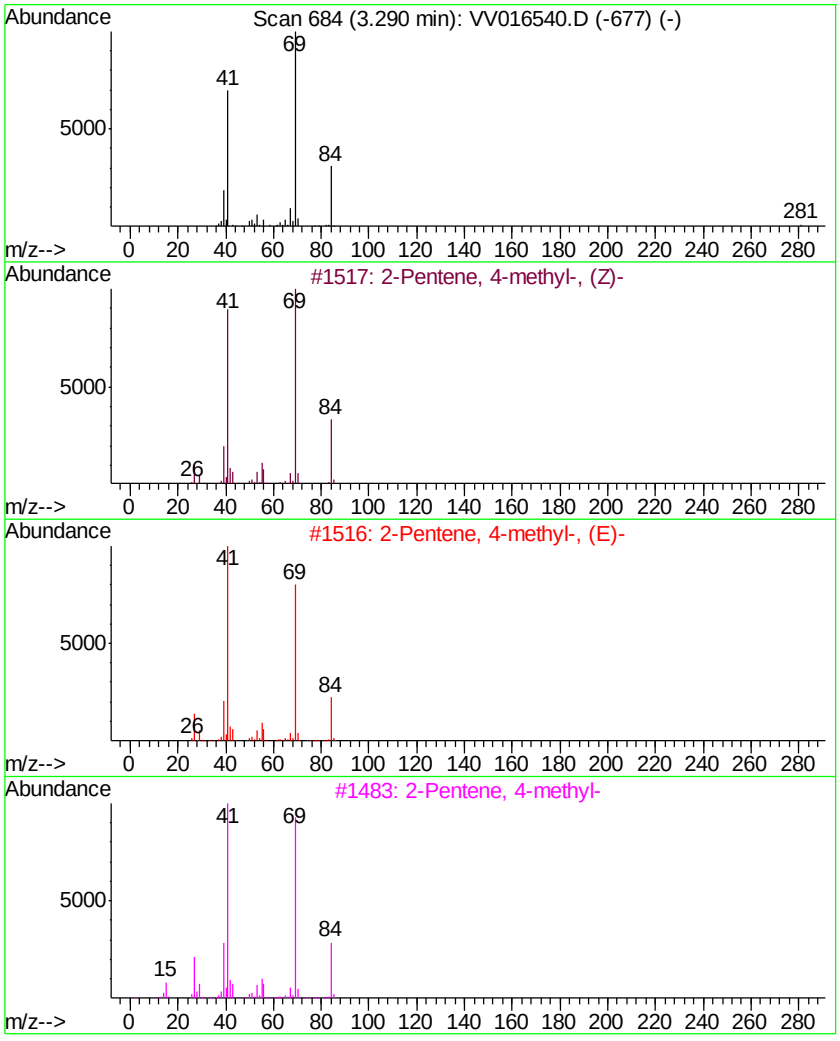
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

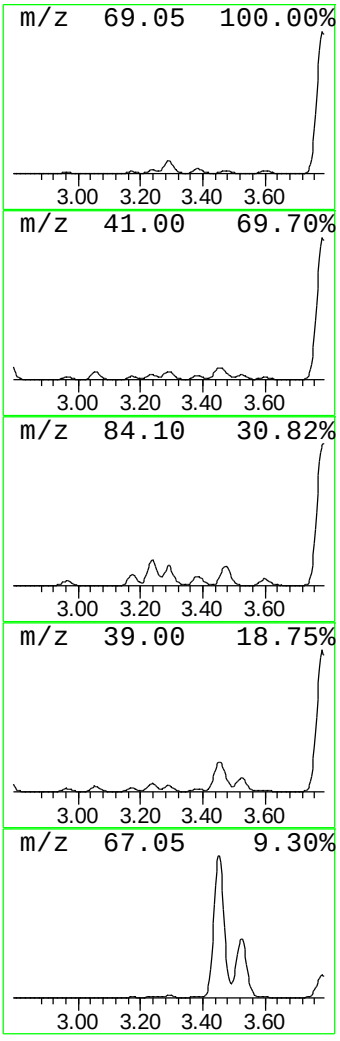
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.29	6.77 ug/L	144800	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	80
2	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	78
3	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	78
4	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	78
5	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

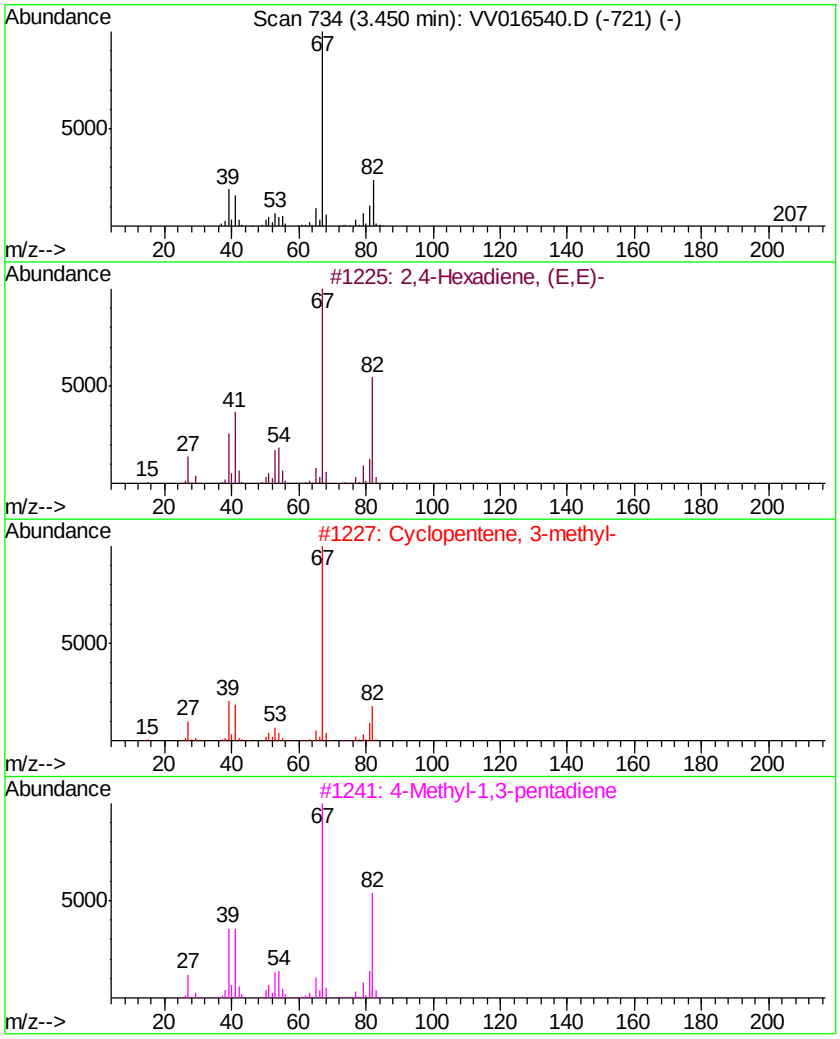
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

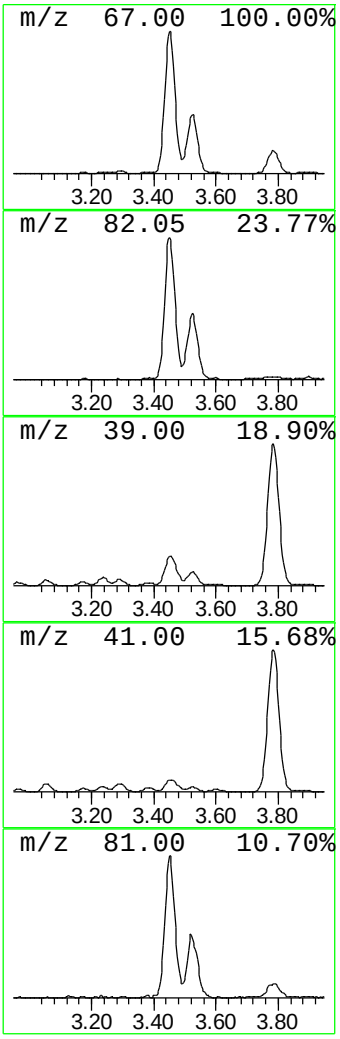
****

Peak Number 19 2,4-Hexadiene, (E,E)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.45	41.51 ug/L	887772	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	91
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91
3	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	91
4	2,4-Hexadiene	82	C6H10	000592-46-1	91
5	1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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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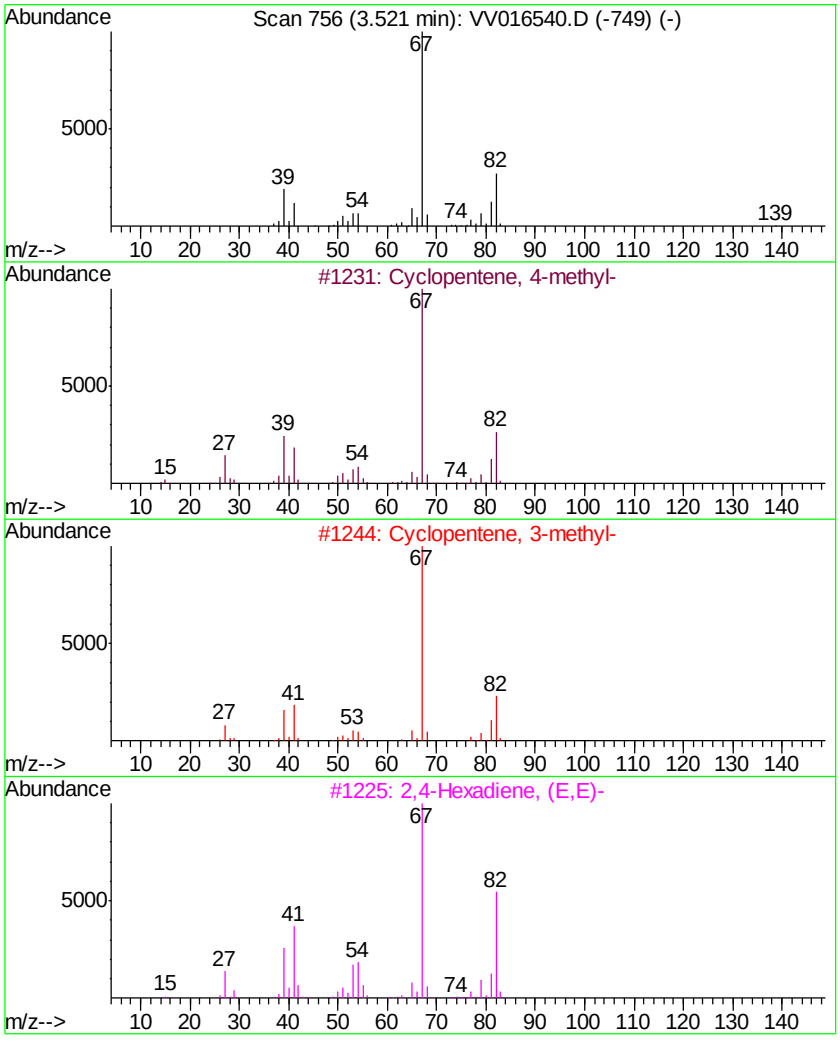
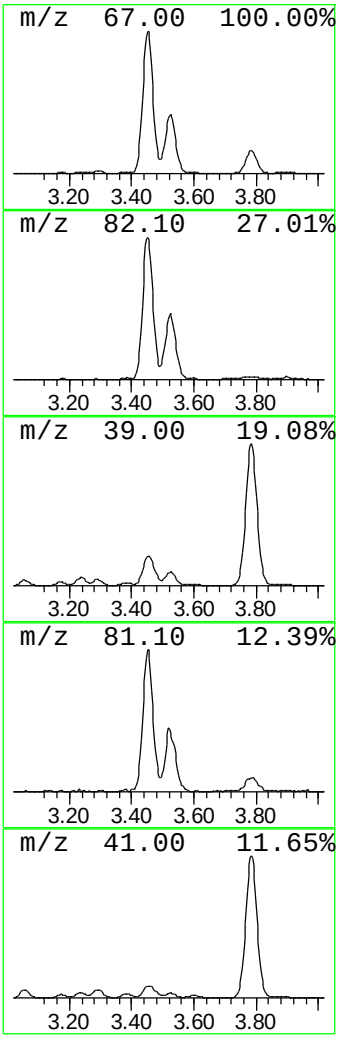
Peak Number 20 Cyclopentene, 4-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.52	14.89 ug/L	318484	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	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	86
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	86
5	2,4-Hexadiene	82	C6H10	000592-46-1	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

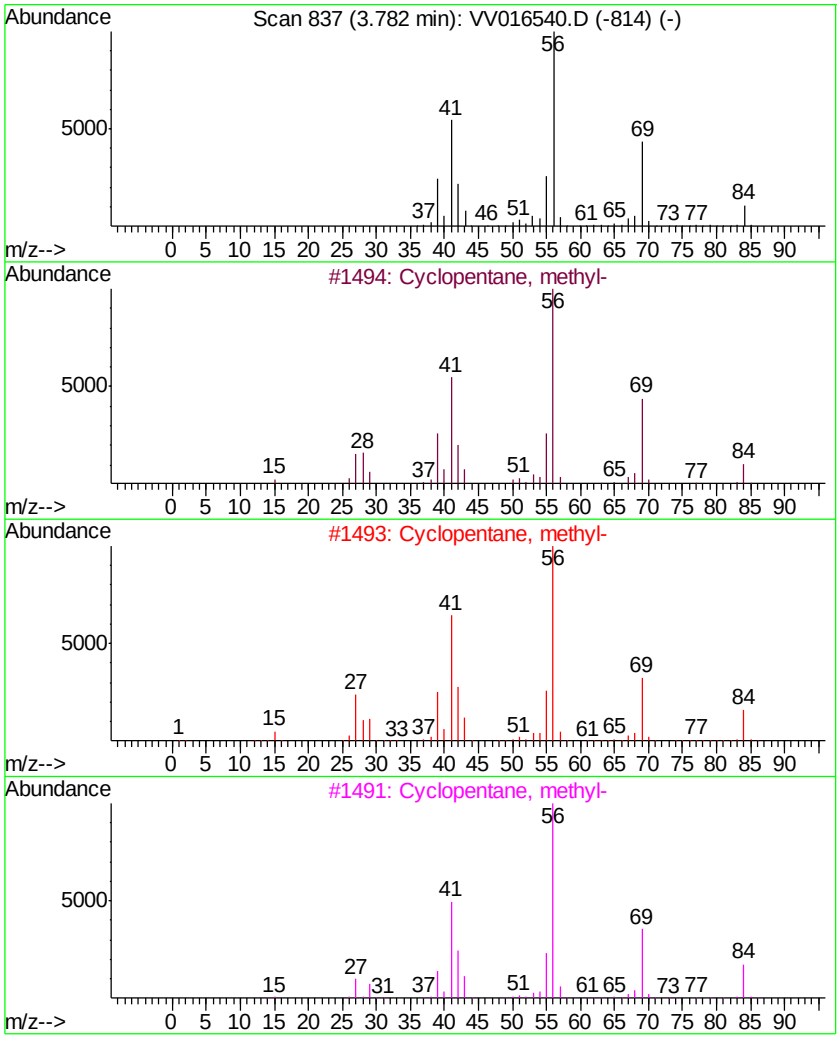
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

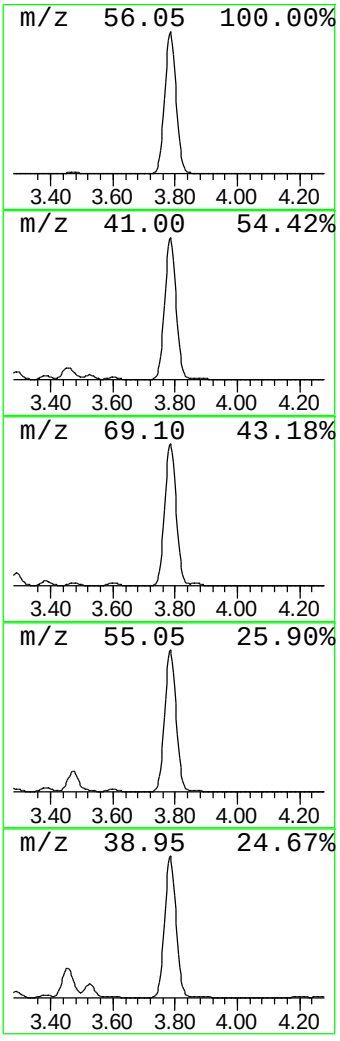
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic3.78 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	210.52 ug/L	4502100	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	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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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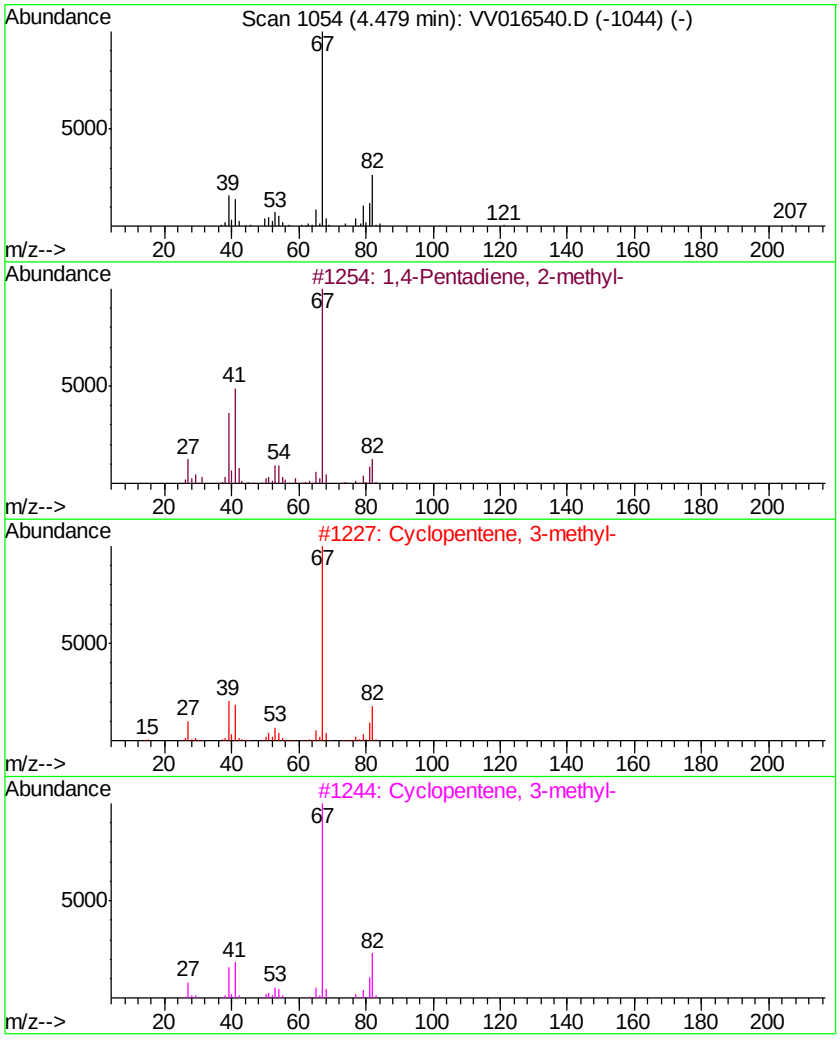
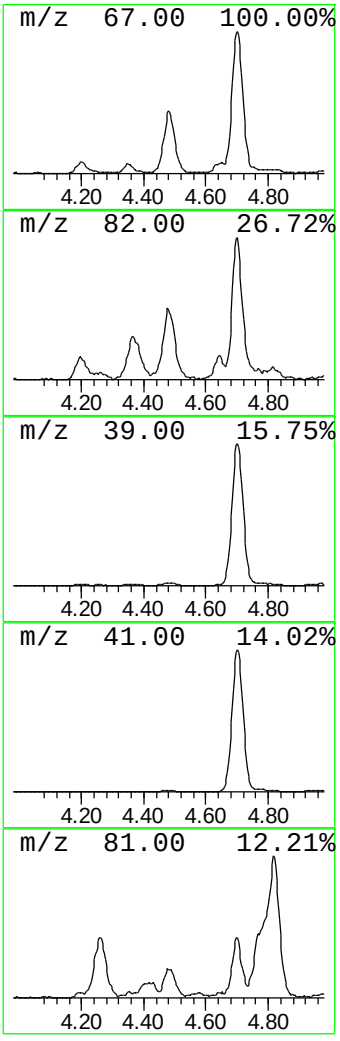
Peak Number 22 1,4-Pentadiene, 2-methyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.48	5.49 ug/L	117450	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4	87
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	83
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	81
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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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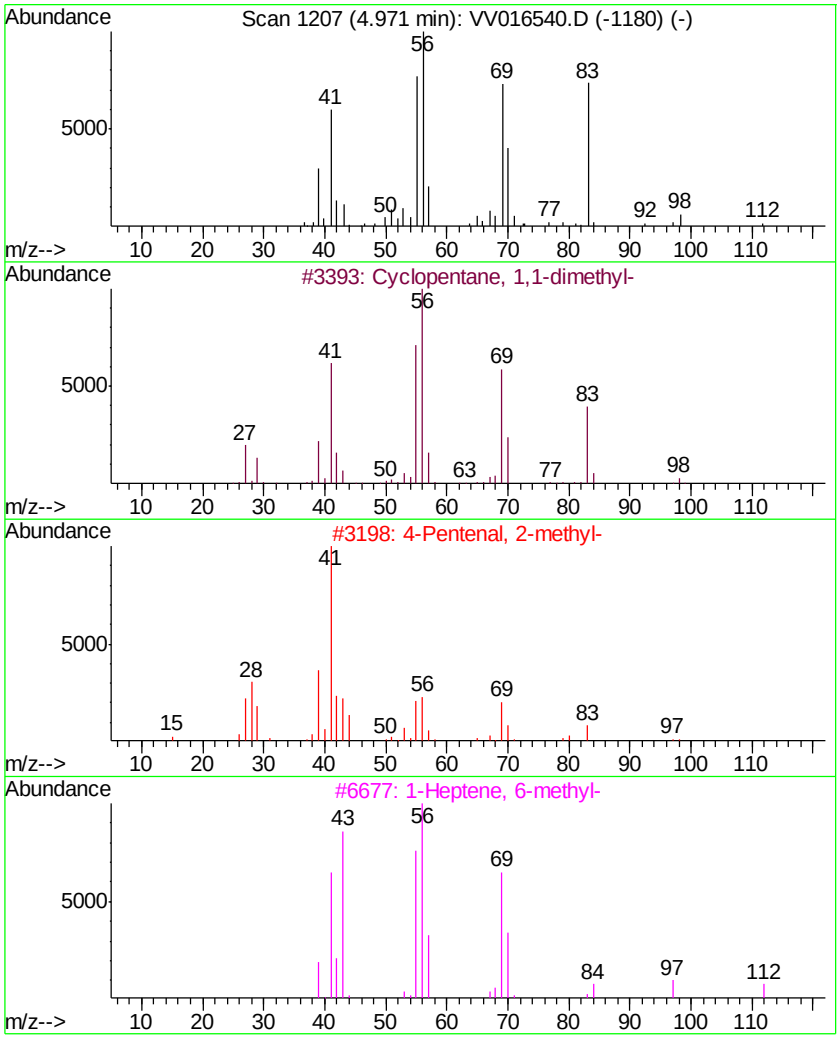
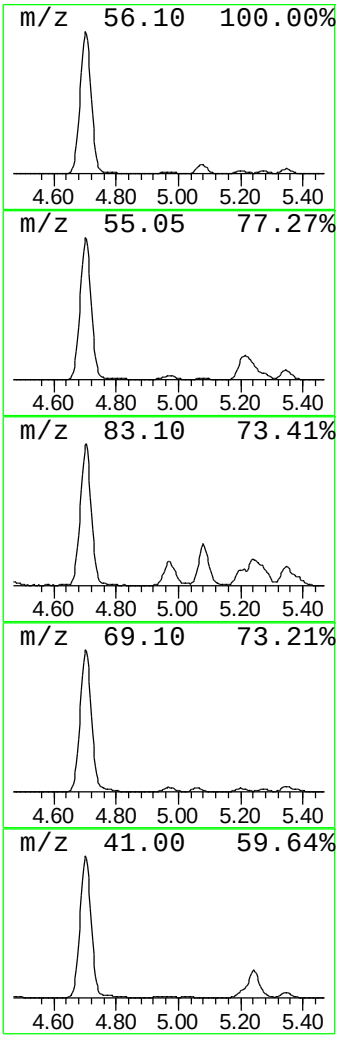
Peak Number 23 (DEL) Alkane: Cyclic4.97 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	6.11 ug/L	130622	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	94
2	4-Pentenal, 2-methyl-	98	C6H10O	005187-71-3	59
3	1-Heptene, 6-methyl-	112	C8H16	005026-76-6	53
4	3-Heptene	98	C7H14	000592-78-9	50
5	Cyclobutane, 1,2-diethyl-	112	C8H16	061141-83-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

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

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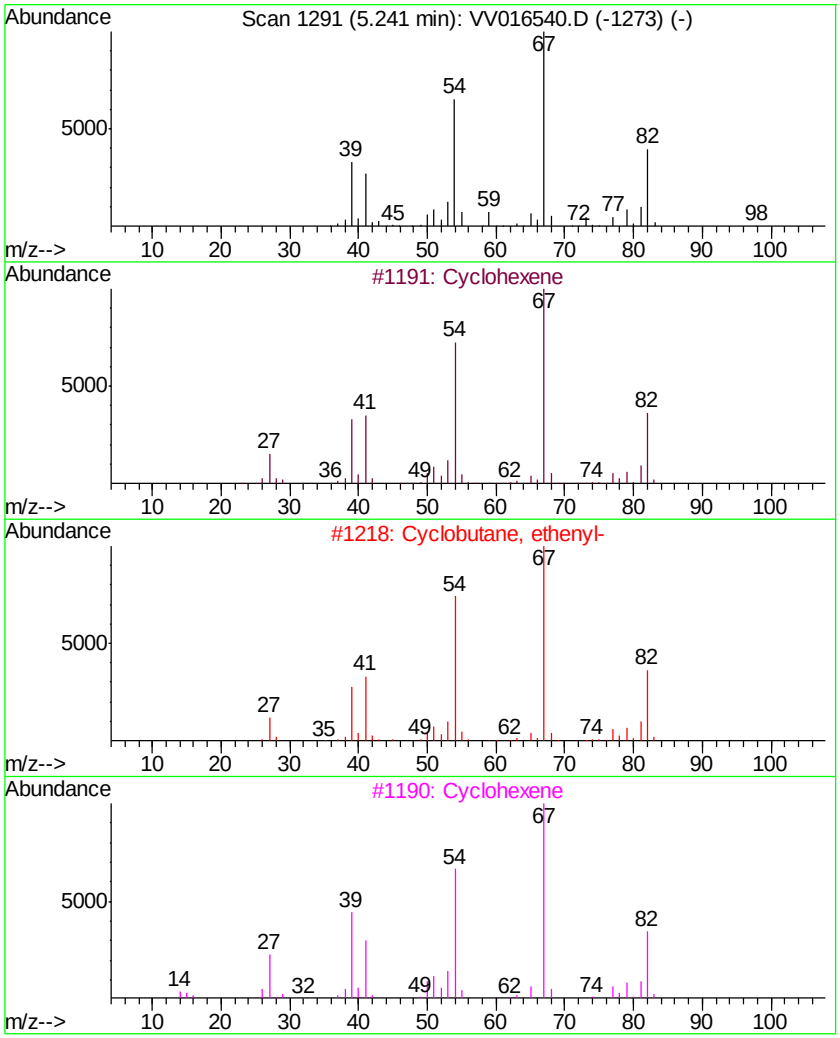
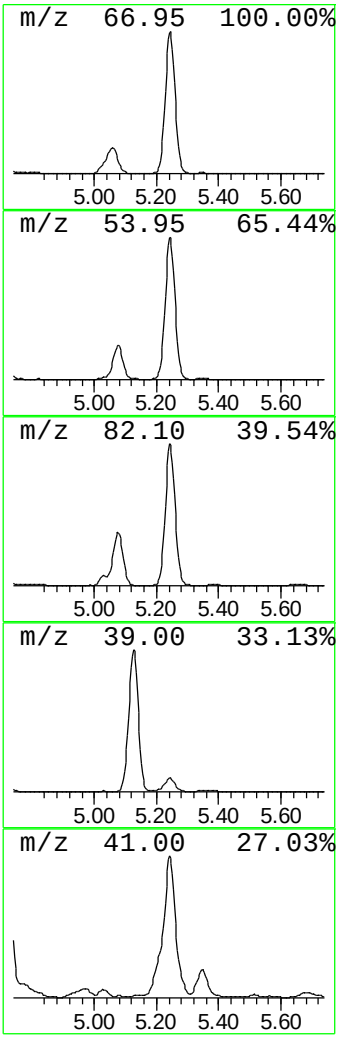
Peak Number 24 Cyclohexene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	110.88 ug/L	2371150	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene	82	C6H10	000110-83-8	93
2	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	93
3	Cyclohexene	82	C6H10	000110-83-8	90
4	Cyclohexene	82	C6H10	000110-83-8	87
5	Ethylidenecyclobutane	82	C6H10	001528-21-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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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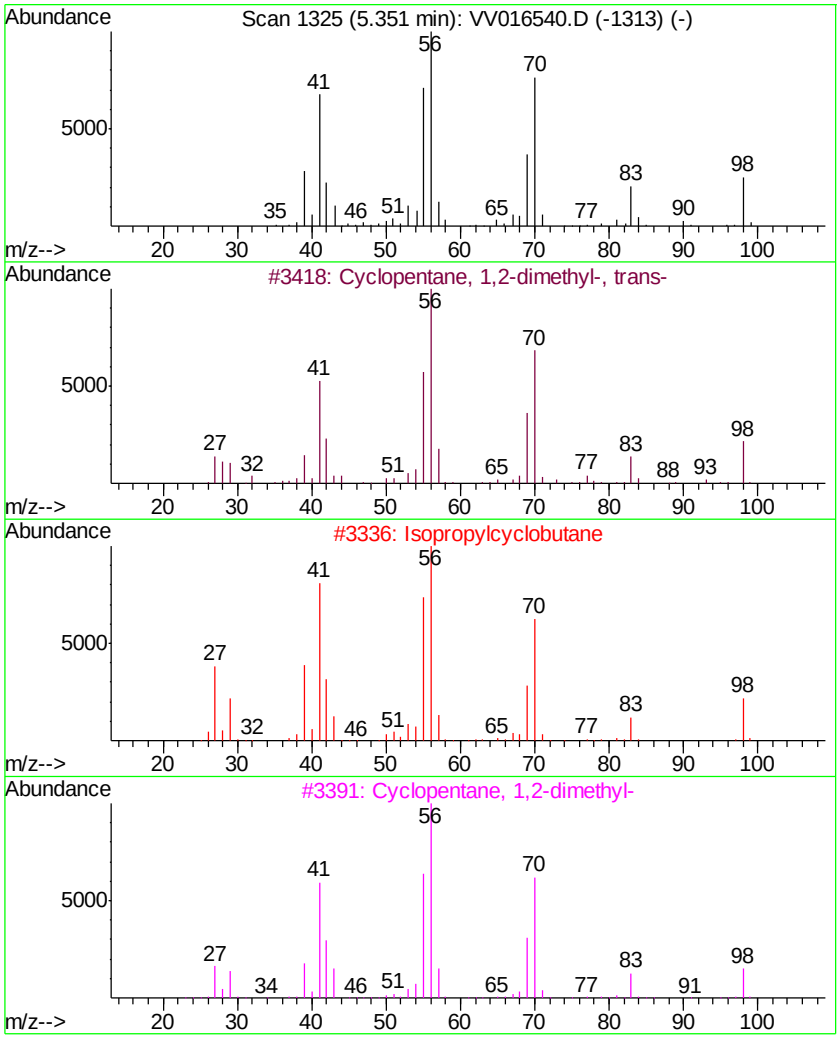
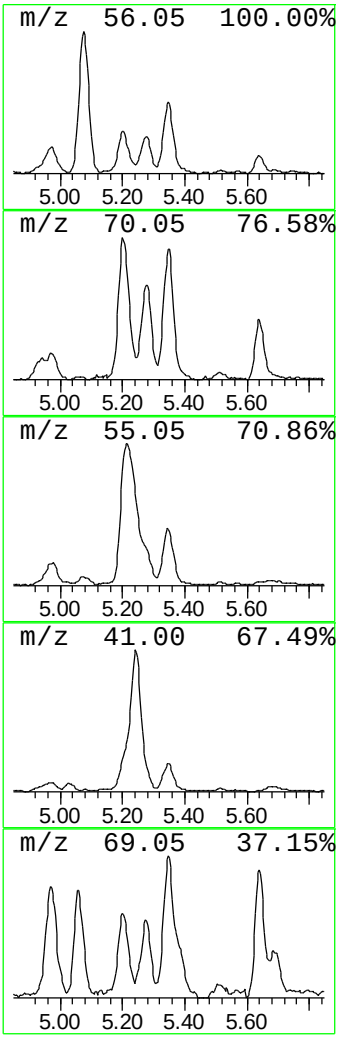
Peak Number 25 (DEL) Alkane: Cyclic5.35 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.35	8.76 ug/L	187367	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2	Isopropylcyclobutane	98	C7H14	000872-56-0	94
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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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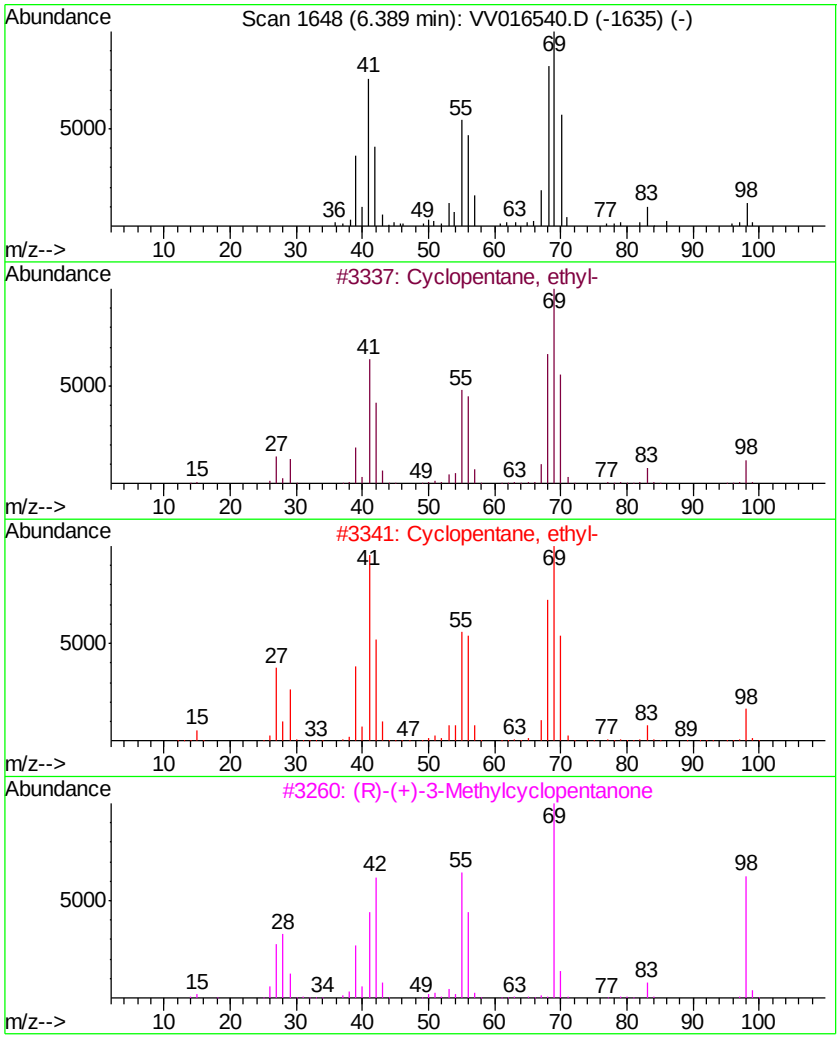
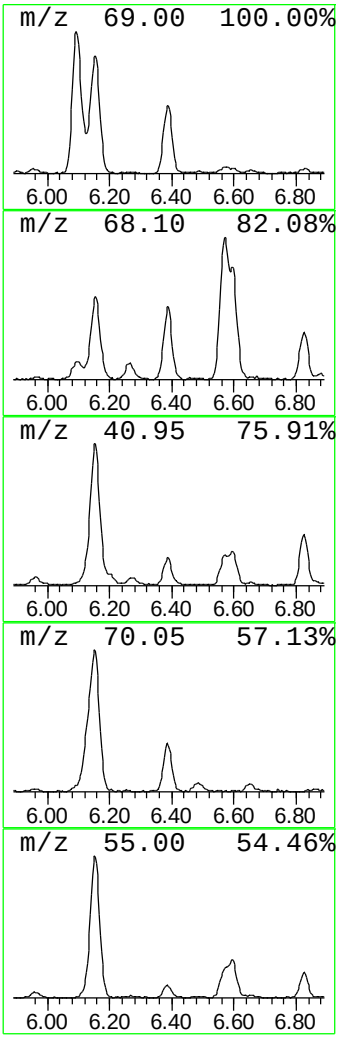
Peak Number 26 (DEL) Alkane: Cyclic6.39 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	5.05 ug/L	108018	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	95
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
3	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	43
4	1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	38
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
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Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

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

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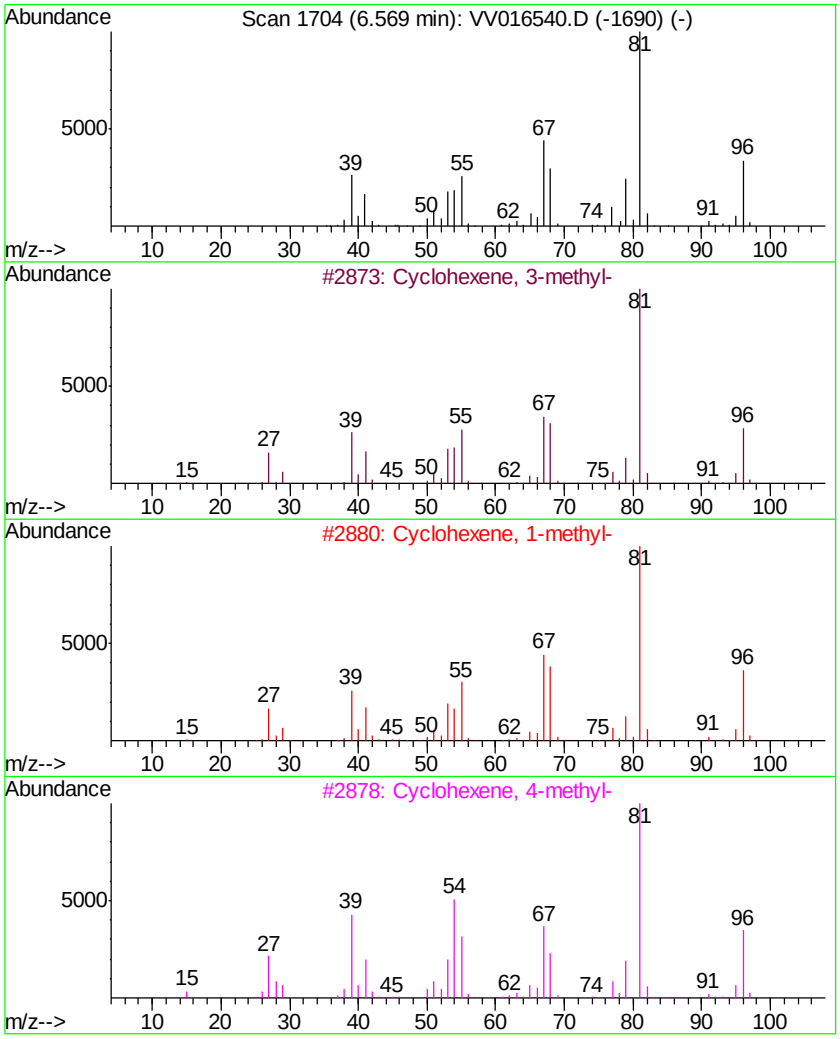
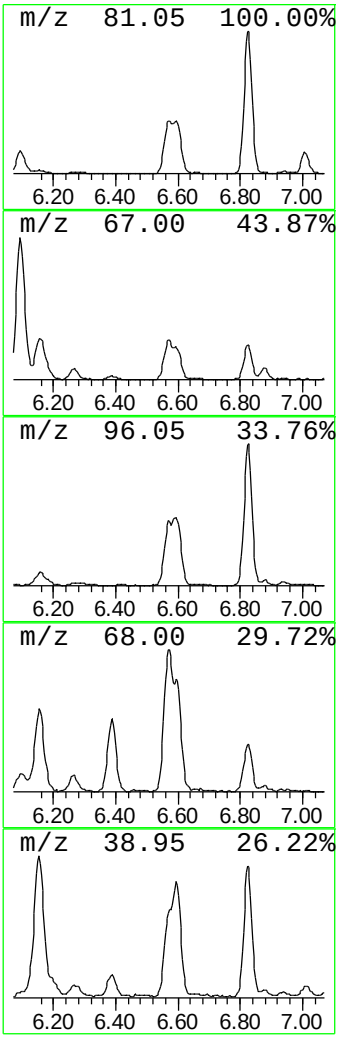
Peak Number 27 Cyclohexene, 3-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	16.44 ug/L	351558	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	95
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	90
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	87
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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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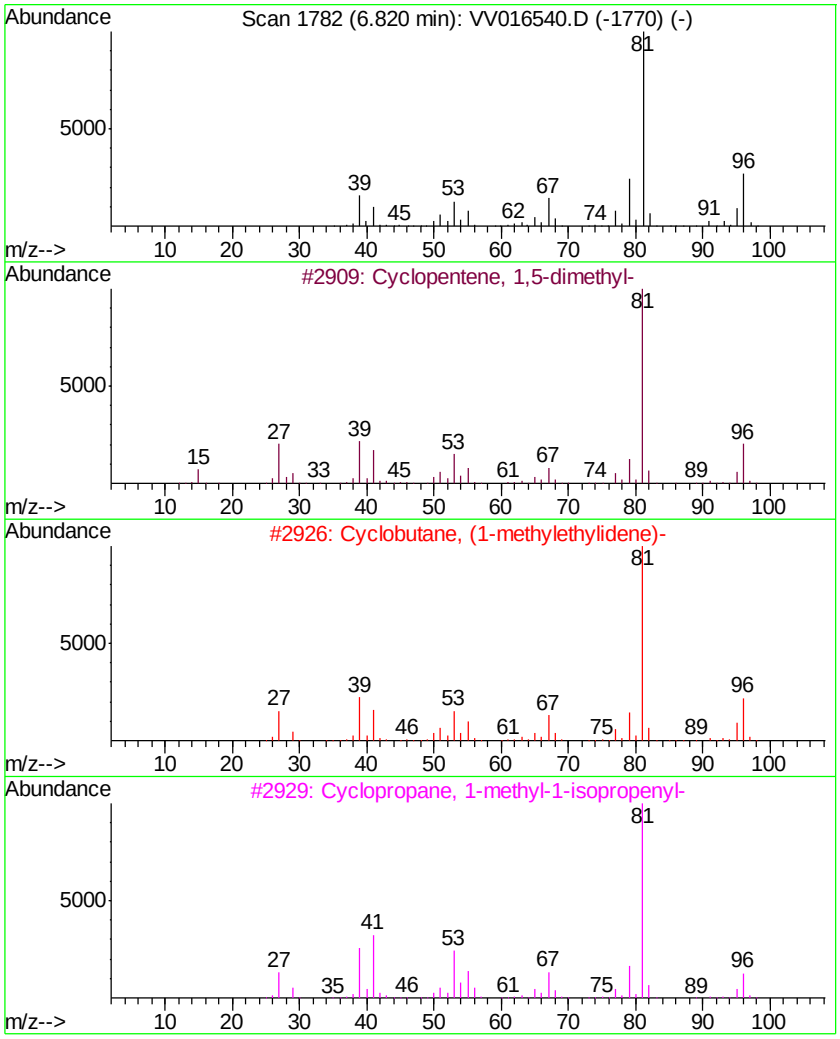
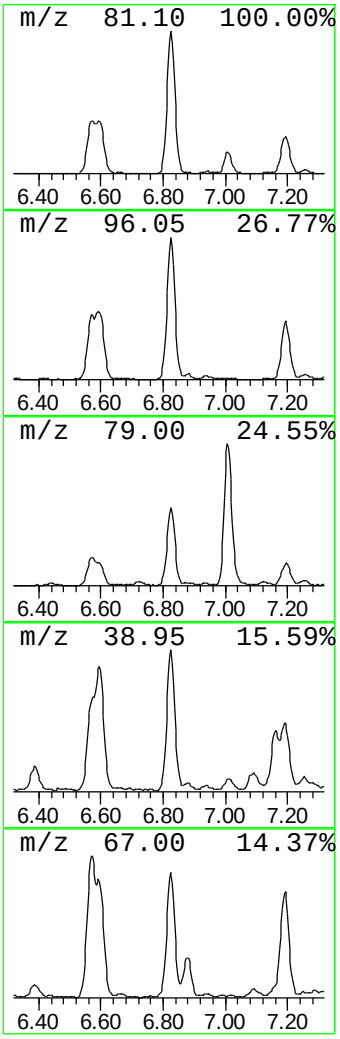
Peak Number 28 Cyclopentene, 1,5-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	30.19 ug/L	645739	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	91
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	91
3	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	90
4	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	83
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

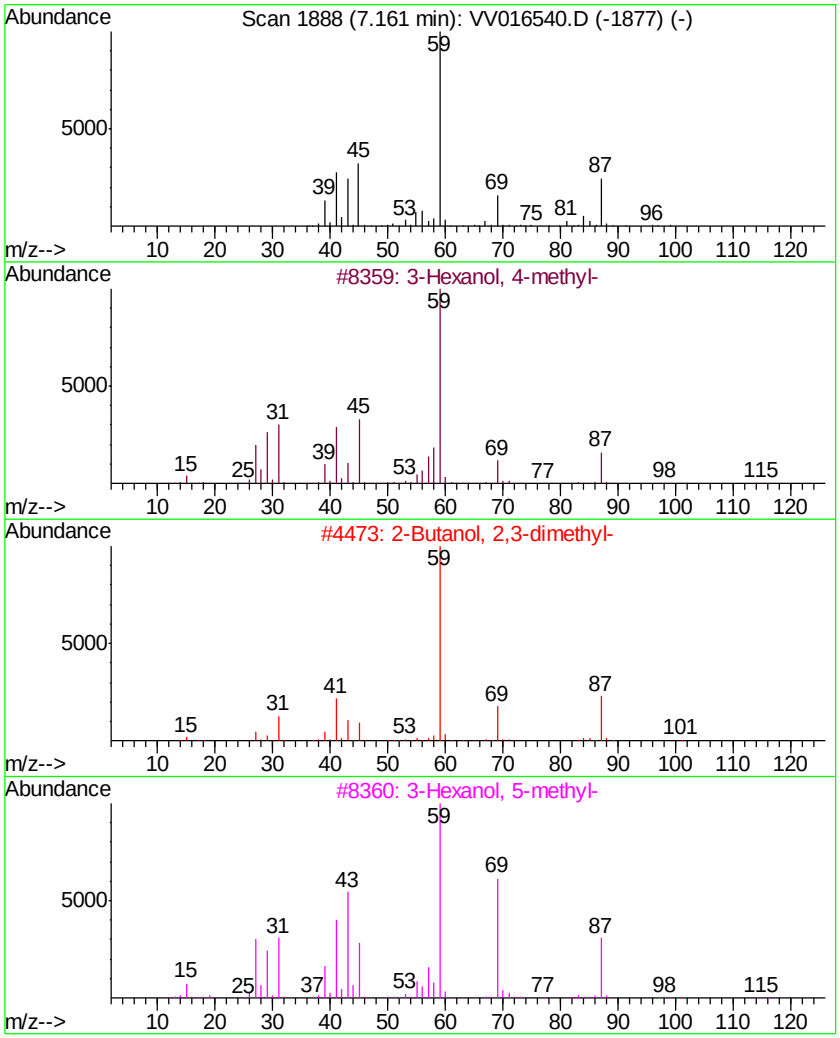
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

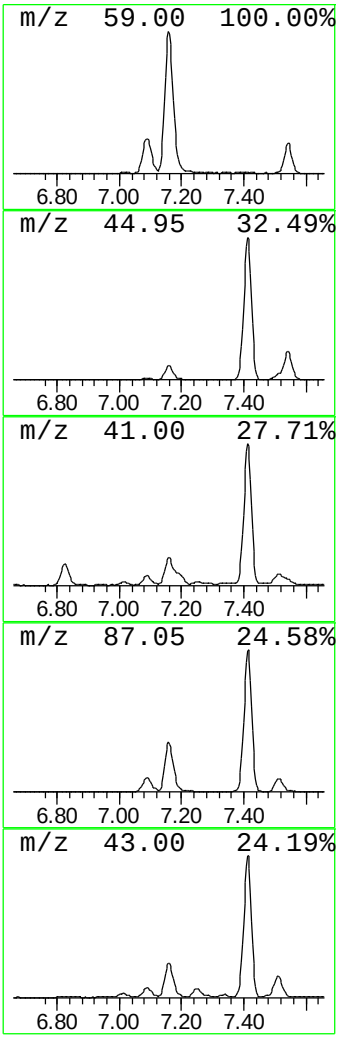
****

Peak Number 30 3-Hexanol, 4-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	14.63 ug/L	312898	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	78
2	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	72
3	3-Hexanol, 5-methyl-	116	C7H16O	000623-55-2	72
4	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	64
5	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

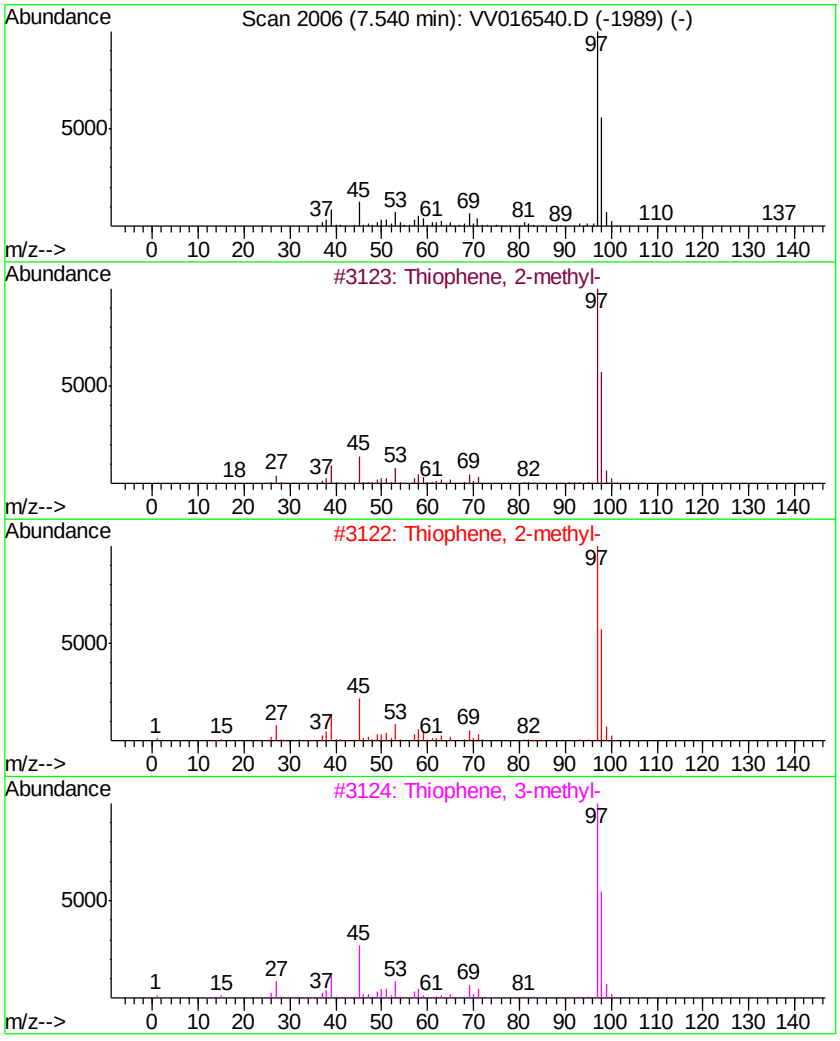
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

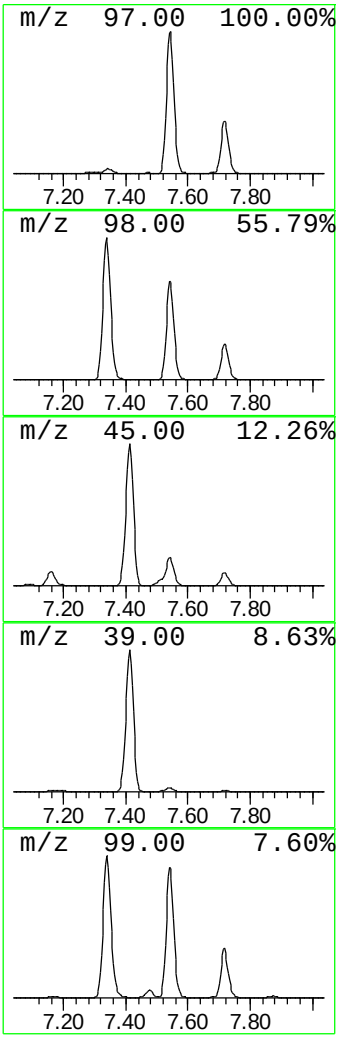
****

Peak Number 31 Thiophene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	67.84 ug/L	1581480	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, 2-methyl-	98	C5H6S	000554-14-3	91
3	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
4	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

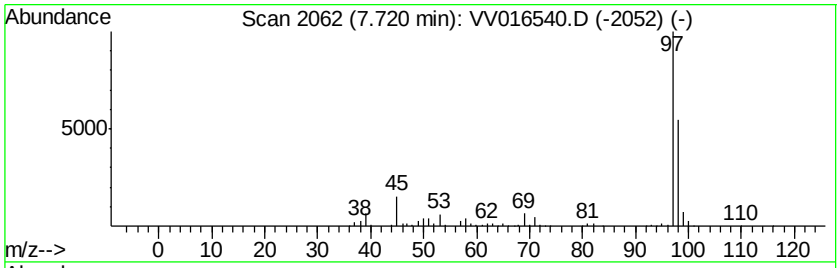
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

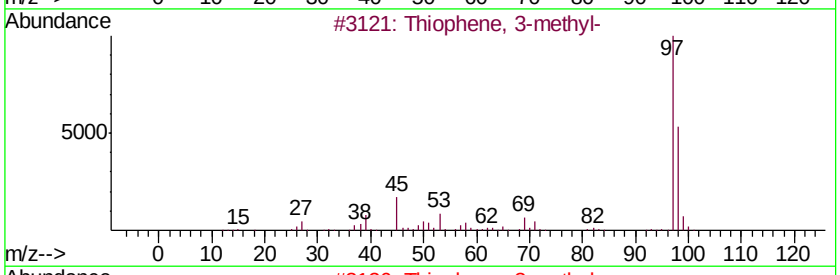
****

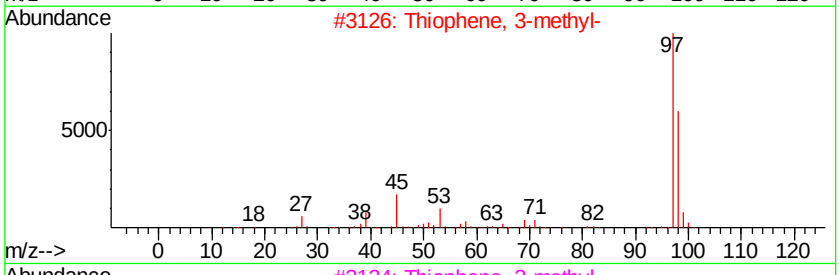
Peak Number 32 Thiophene, 3-methyl- Concentration Rank 26

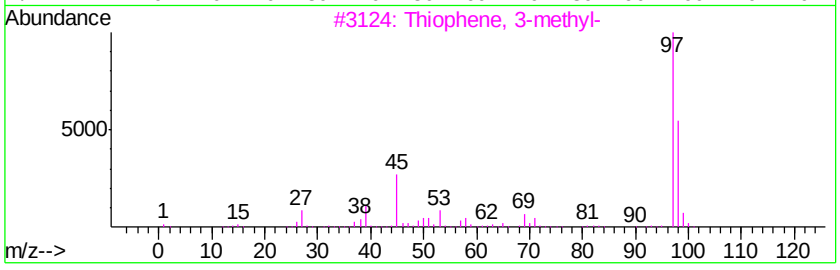
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	19.99 ug/L	465900	Chlorobenzene-d5	8.87

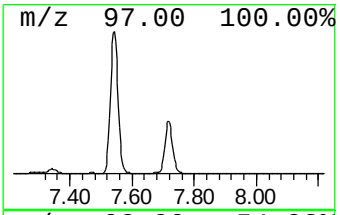
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	95
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	94
3	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	94
4	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	94
5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91

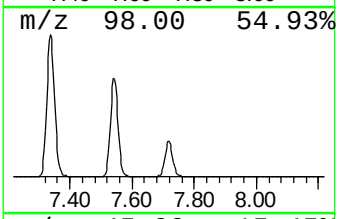


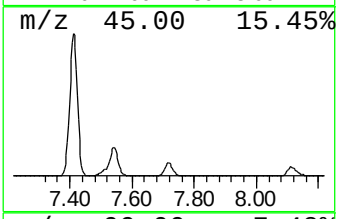


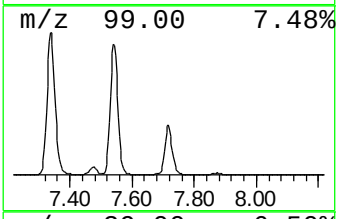


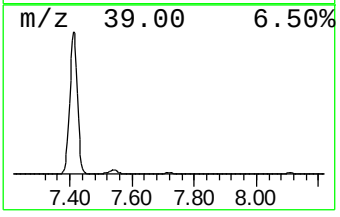












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

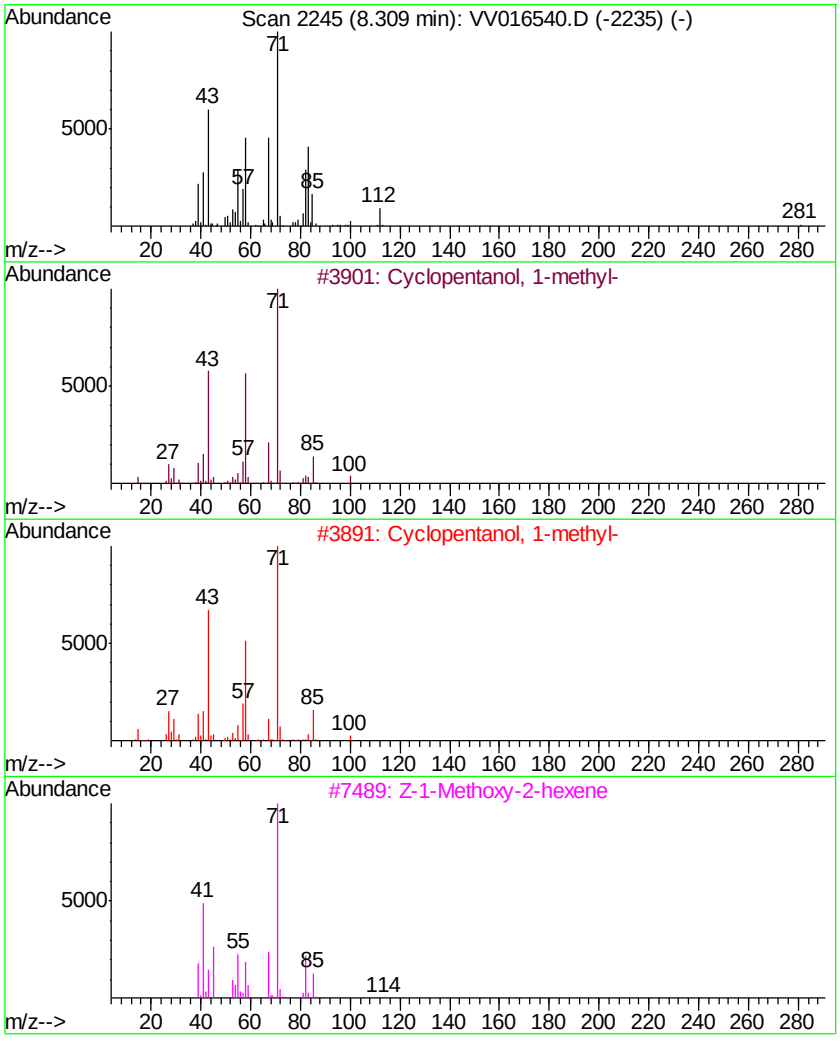
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

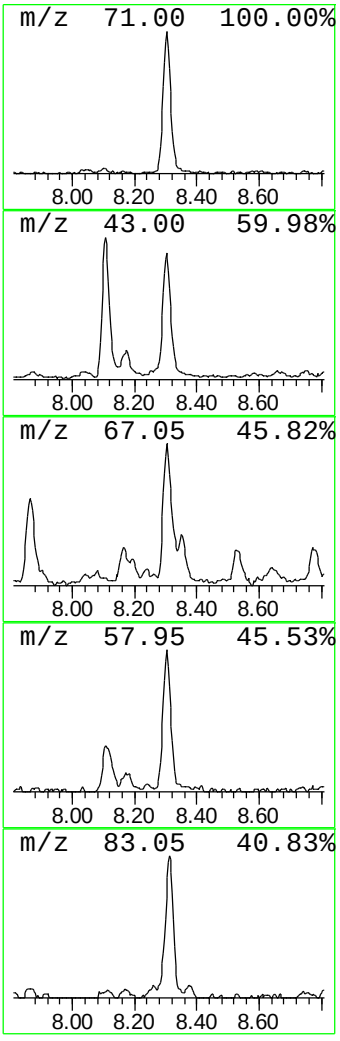
****

Peak Number 33 Cyclopentanol, 1-methyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.31	5.02 ug/L	117139	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	53
2	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	52
3	Z-1-Methoxy-2-hexene	114	C7H14O	1000279-60-9	38
4	Cis-3-methylpent-3-ene-5-ol	100	C6H12O	030804-75-2	37
5	2-Hexene, 1-methoxy-, (E)-	114	C7H14O	056052-83-6	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

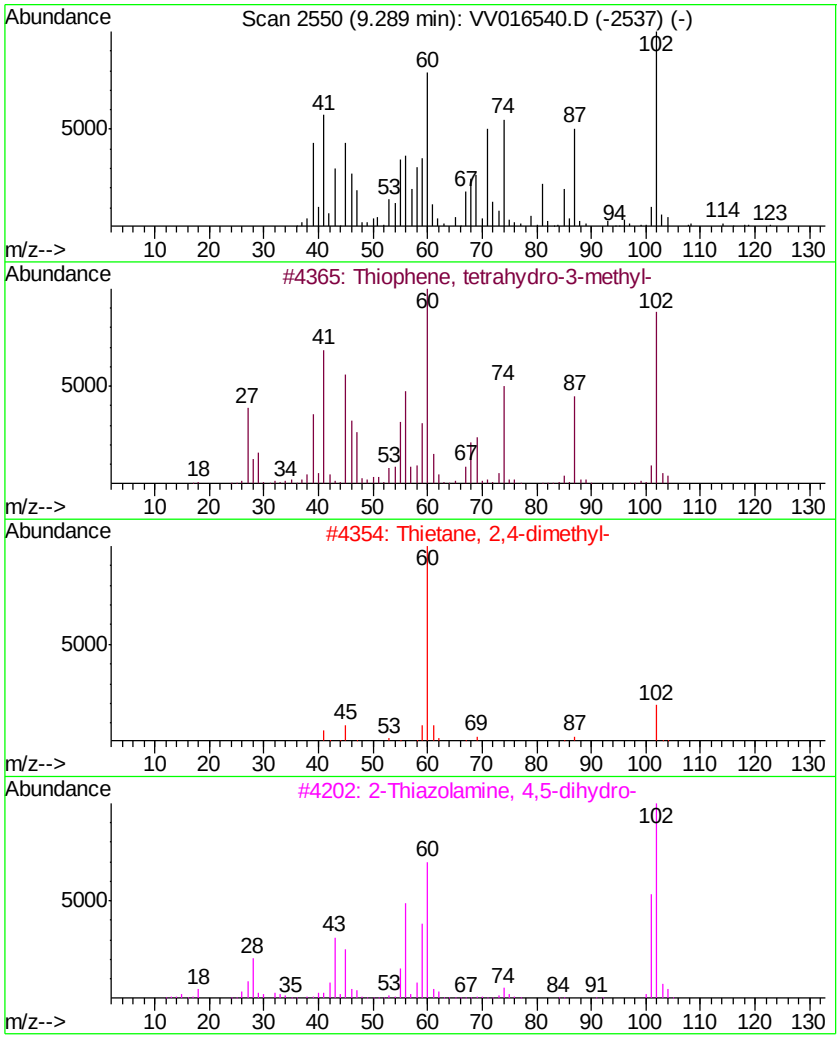
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

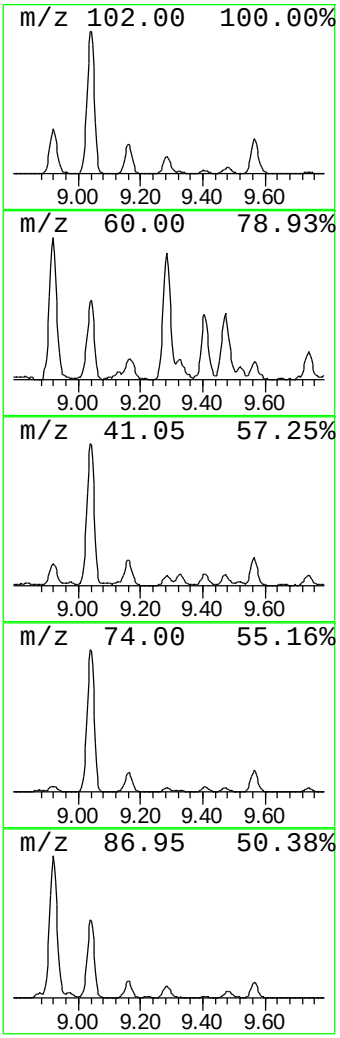
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Thiophene, tetrahydro-3-met... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	8.89 ug/L	207124	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	96
2	Thietane, 2,4-dimethyl-	102	C5H10S	043044-24-2	47
3	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	46
4	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	38
5	1,3-Oxathiolane, 2,2-dimethyl-	118	C5H10OS	005684-31-1	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

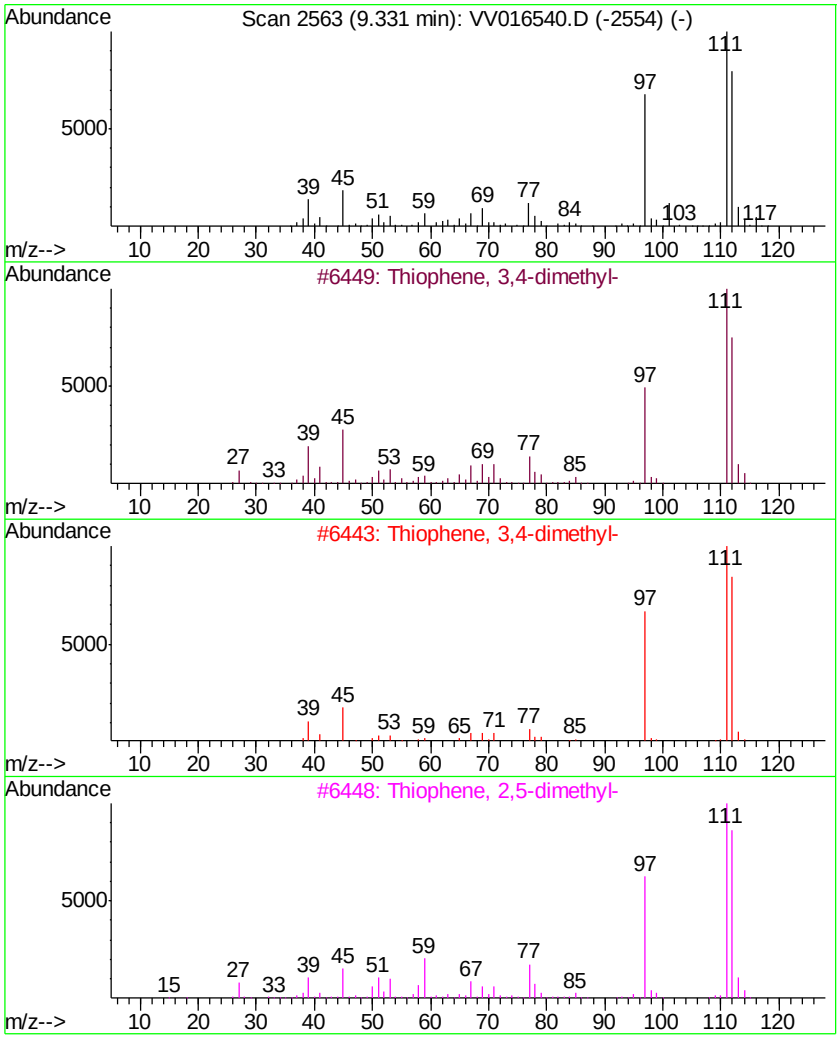
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

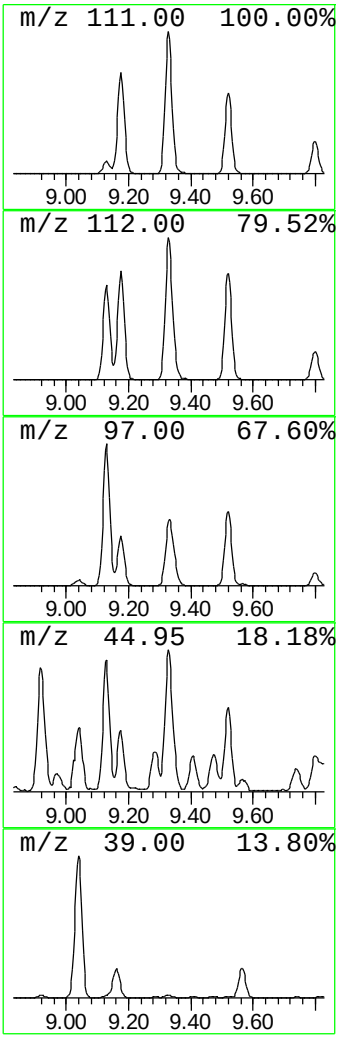
****

Peak Number 35 Thiophene, 3,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	34.87 ug/L	812791	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	90
2	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	87
3	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	87
4	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	87
5	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

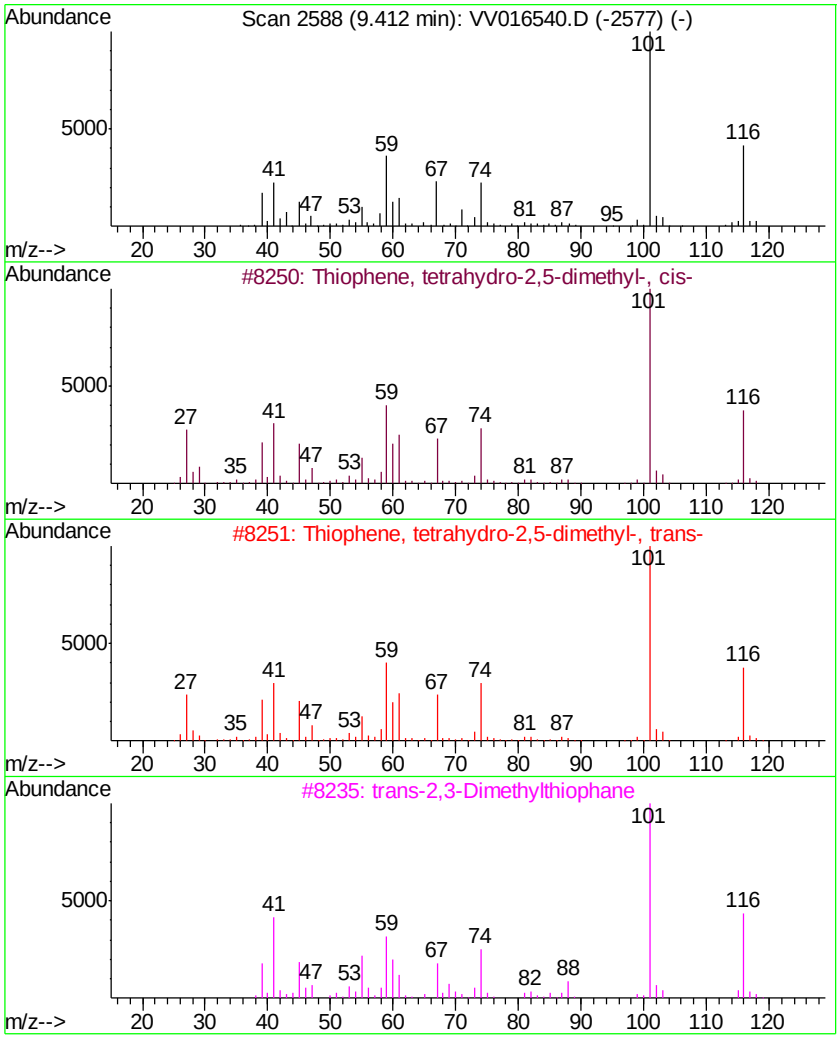
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

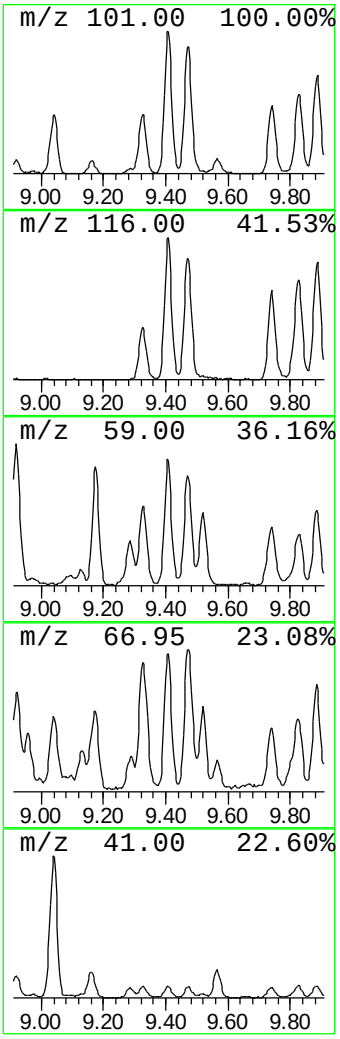
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Thiophene, tetrahydro-2,5-d... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	10.56 ug/L	246069	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	95
2	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	94
3	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	90
4	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	53
5	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

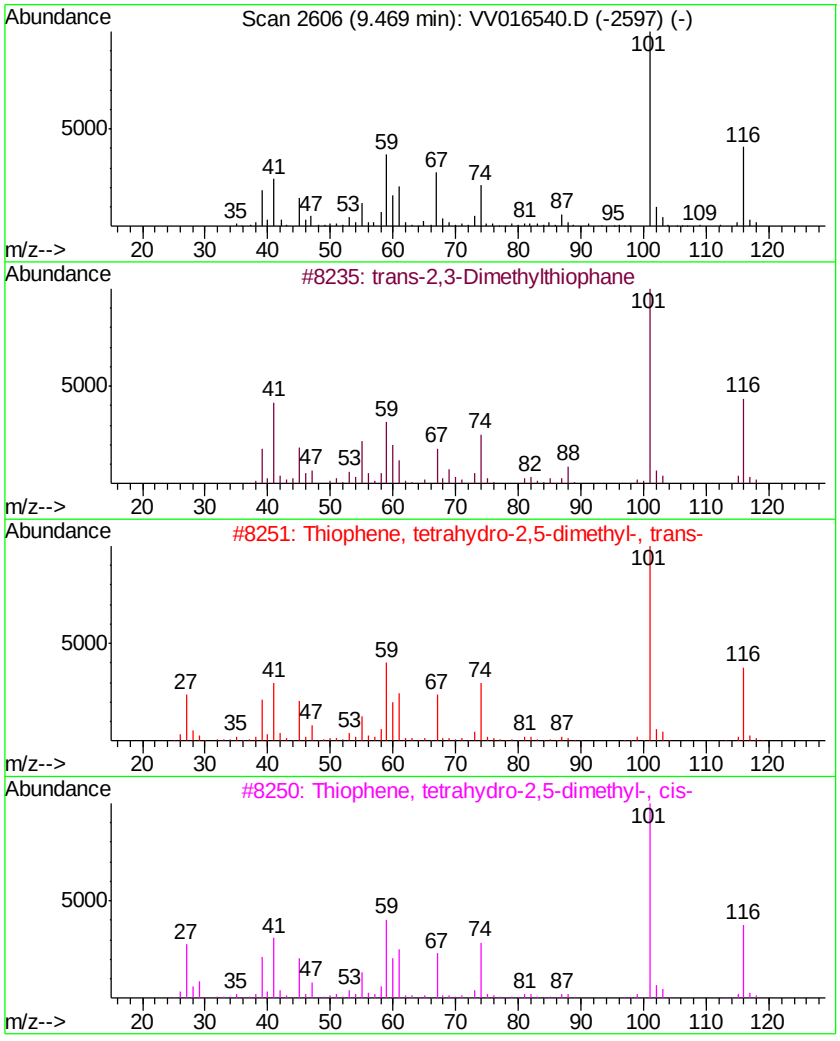
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

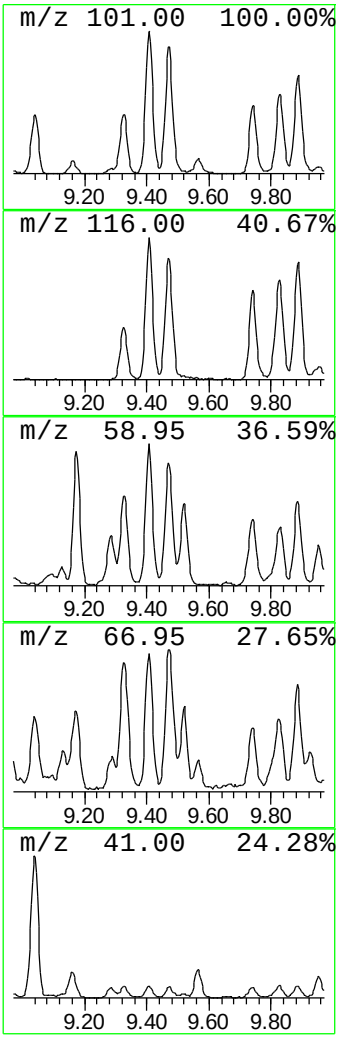
****

Peak Number 37 trans-2,3-Dimethylthiophane Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	10.40 ug/L	242514	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	93
2	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	90
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	90
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	62
5	trans-2-Ethyl-3-methylthiophane	130	C7H14S	061568-36-3	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

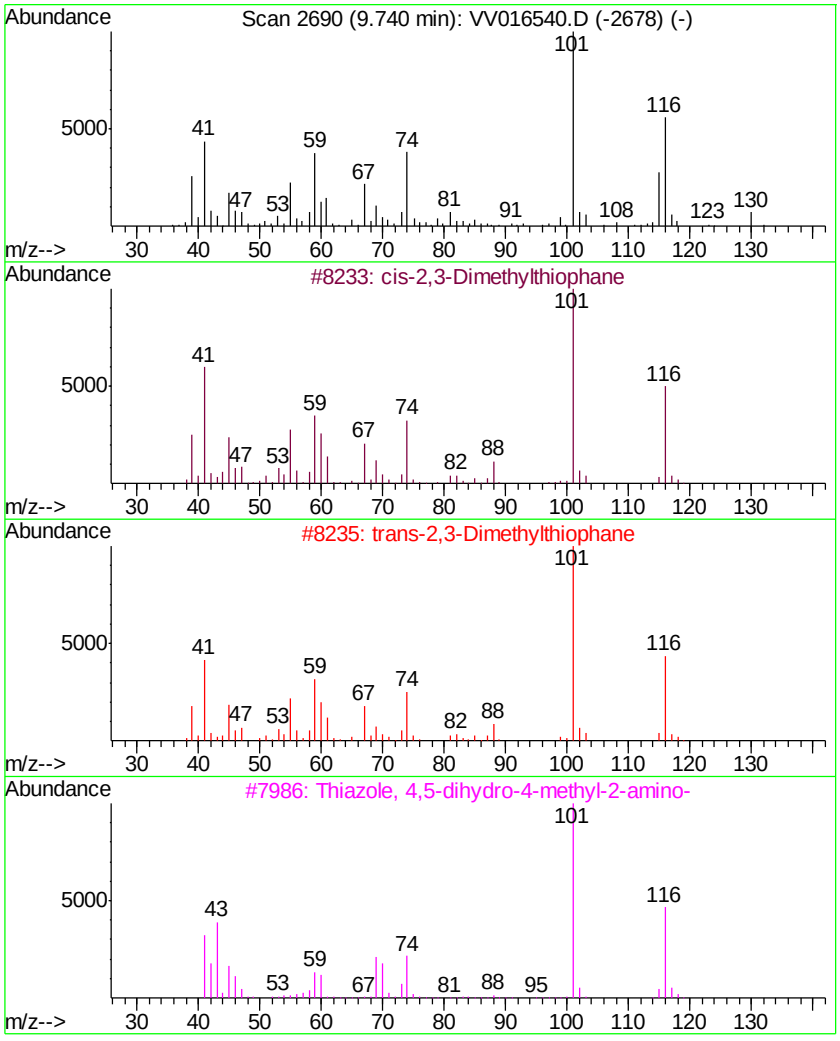
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

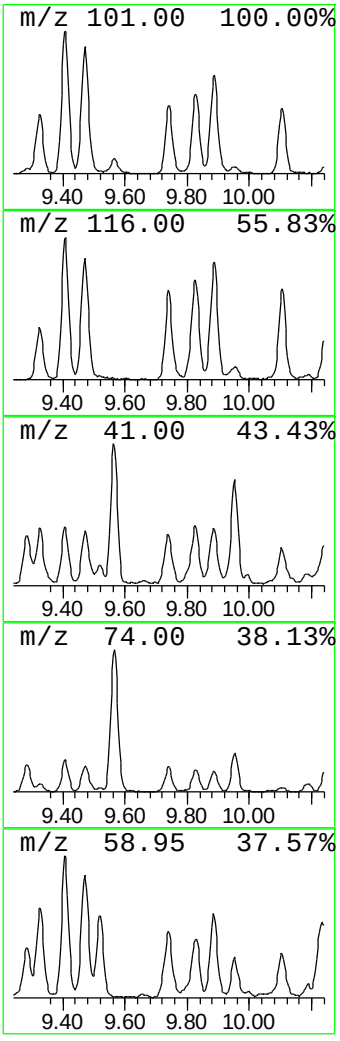
****

Peak Number 38 cis-2,3-Dimethylthiophane Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	8.09 ug/L	188574	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	91
2	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	89
3	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	64
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	59
5	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

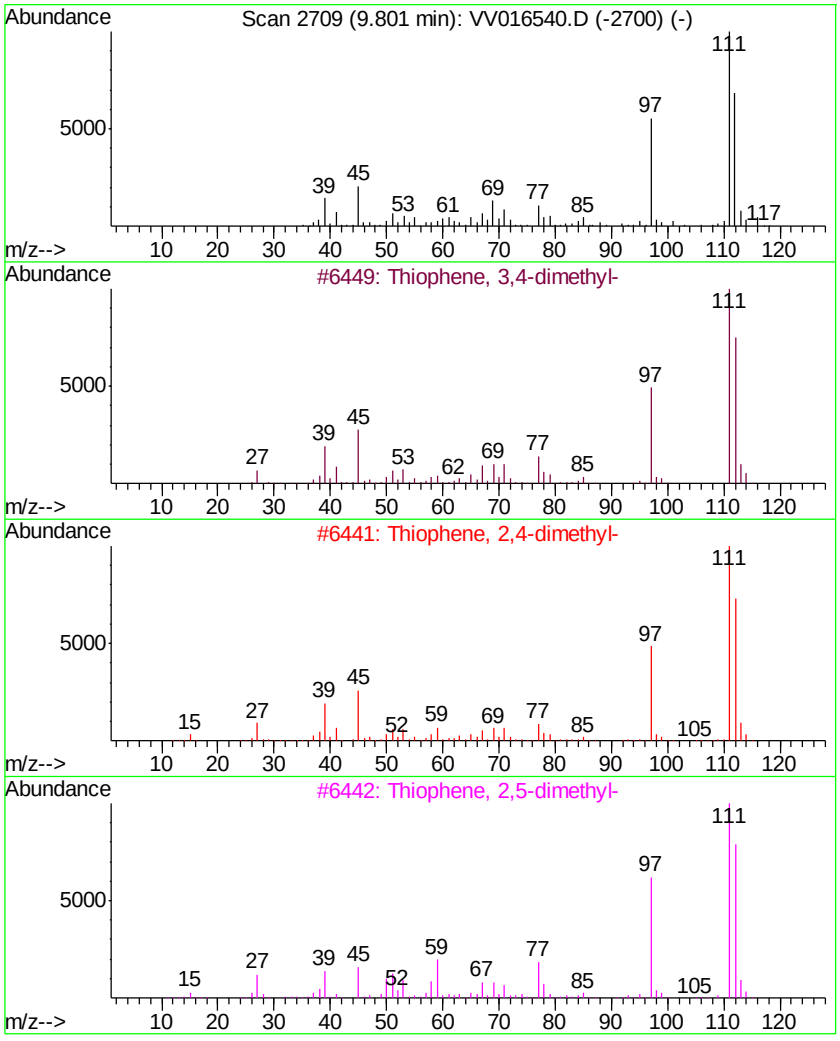
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

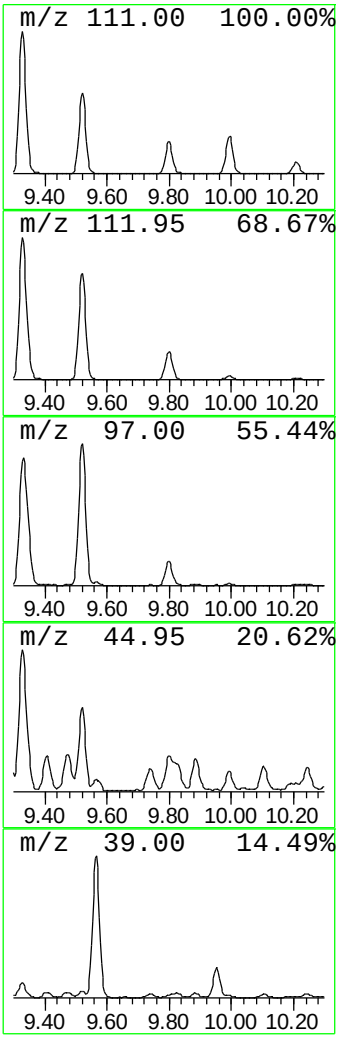
****

Peak Number 39 Thiophene, 2,4-dimethyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	6.06 ug/L	141246	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	93
2	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	86
3	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	80
4	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	78
5	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

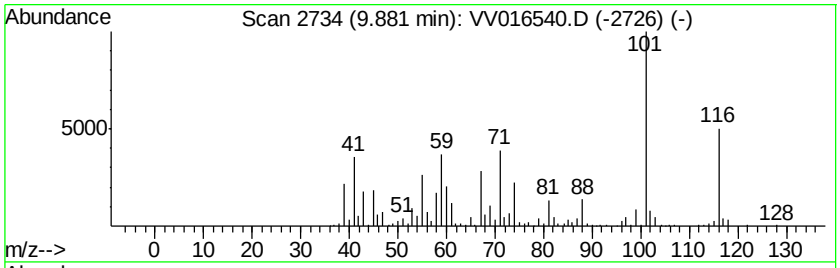
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

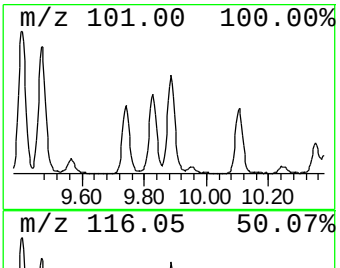
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Thiazole, 4,5-dihydro-4-met... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	9.40 ug/L	219031	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	68
4	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	64
5	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

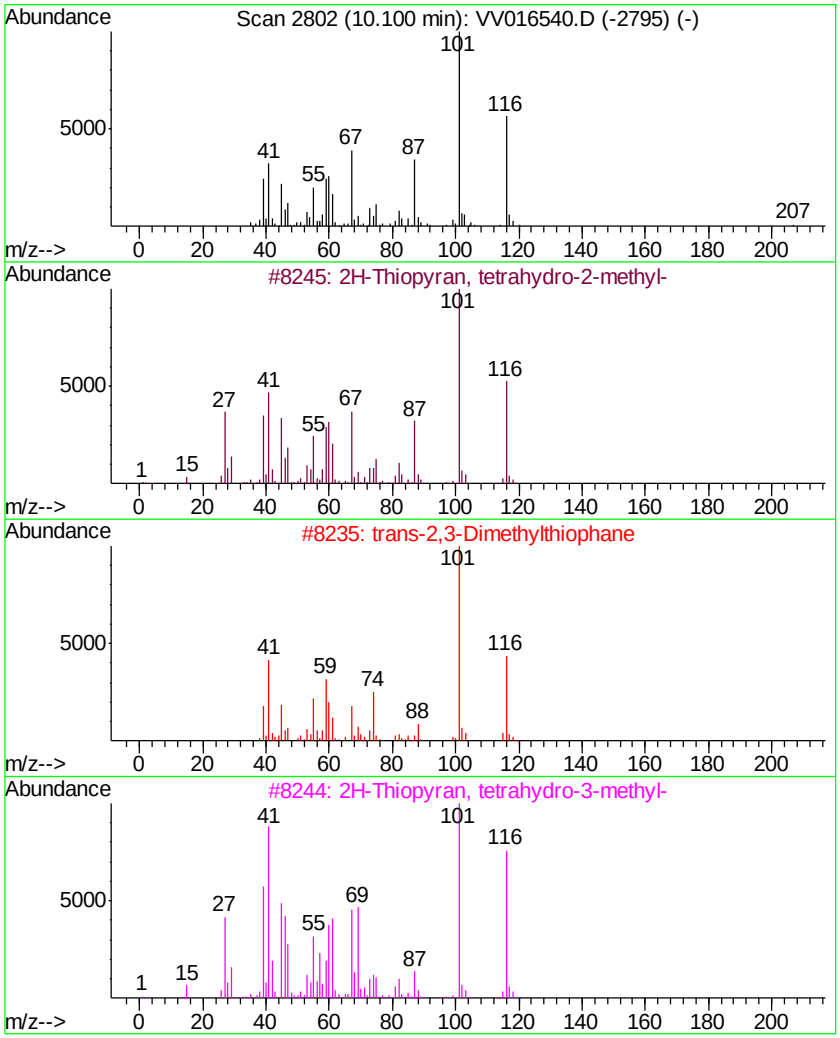
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

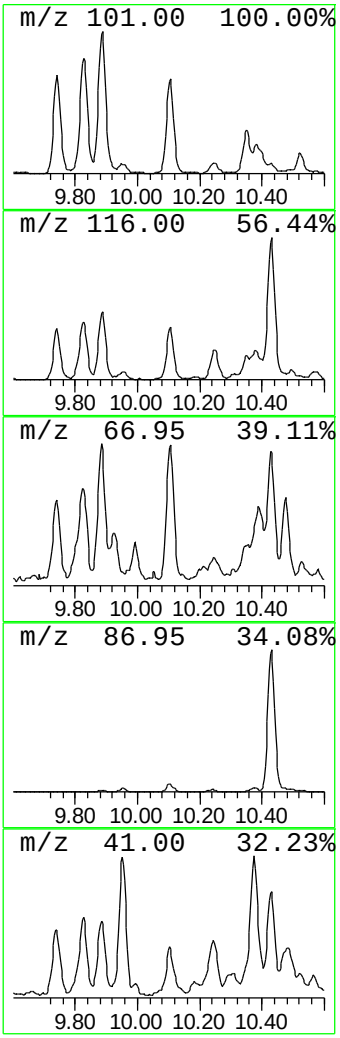
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 2H-Thiopyran, tetrahydro-2-... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	4.45 ug/L	167020	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	86
3	2H-Thiopyran, tetrahydro-3-methyl-	116	C6H12S	005258-50-4	72
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	70
5	cis-3-Methyl-2-n-propylthiophane	144	C8H16S	118068-76-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

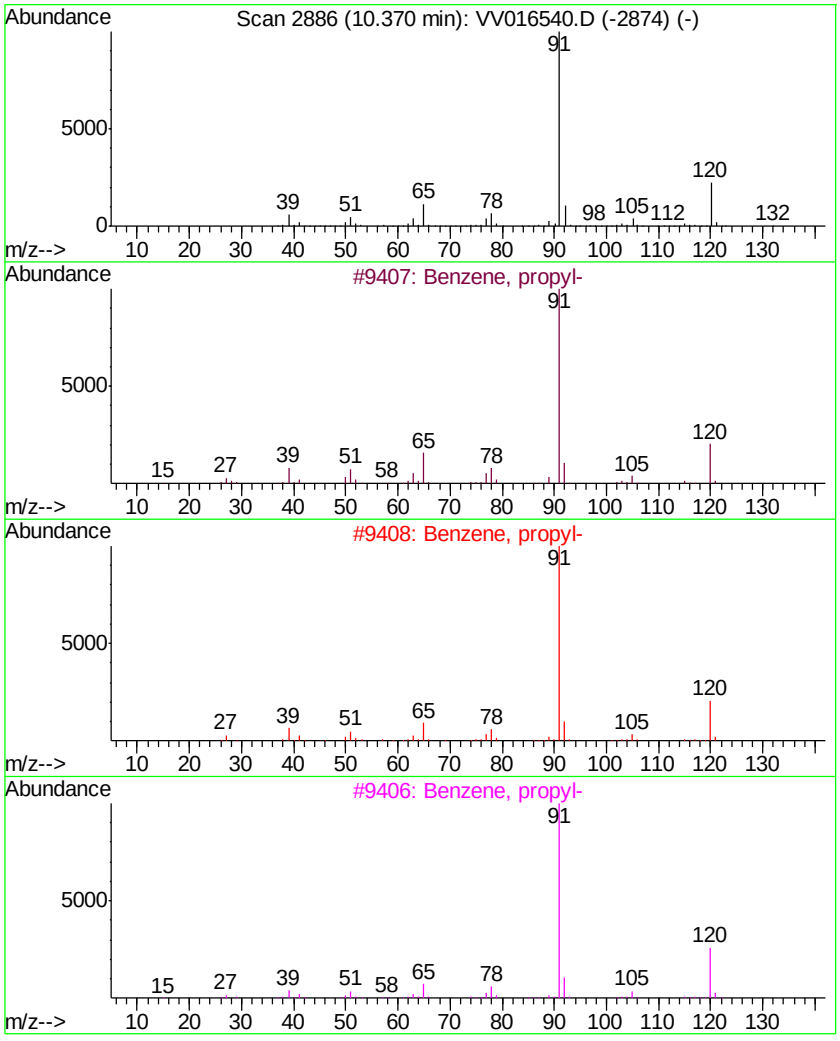
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

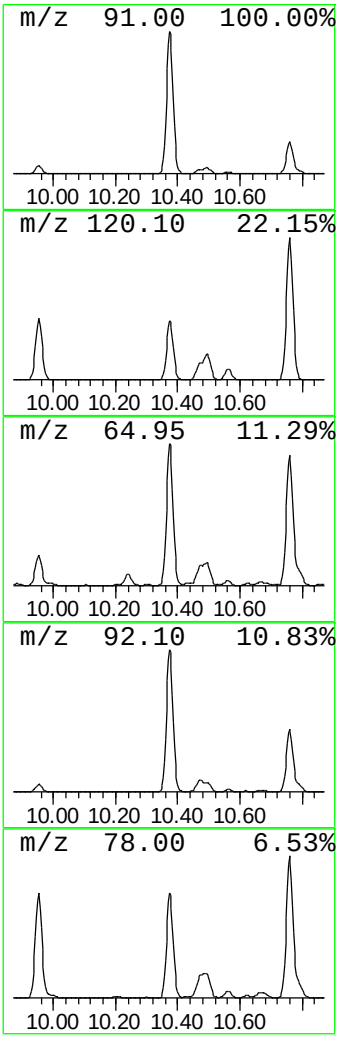
****

Peak Number 42 Benzene, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	62.59 ug/L	2347200	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

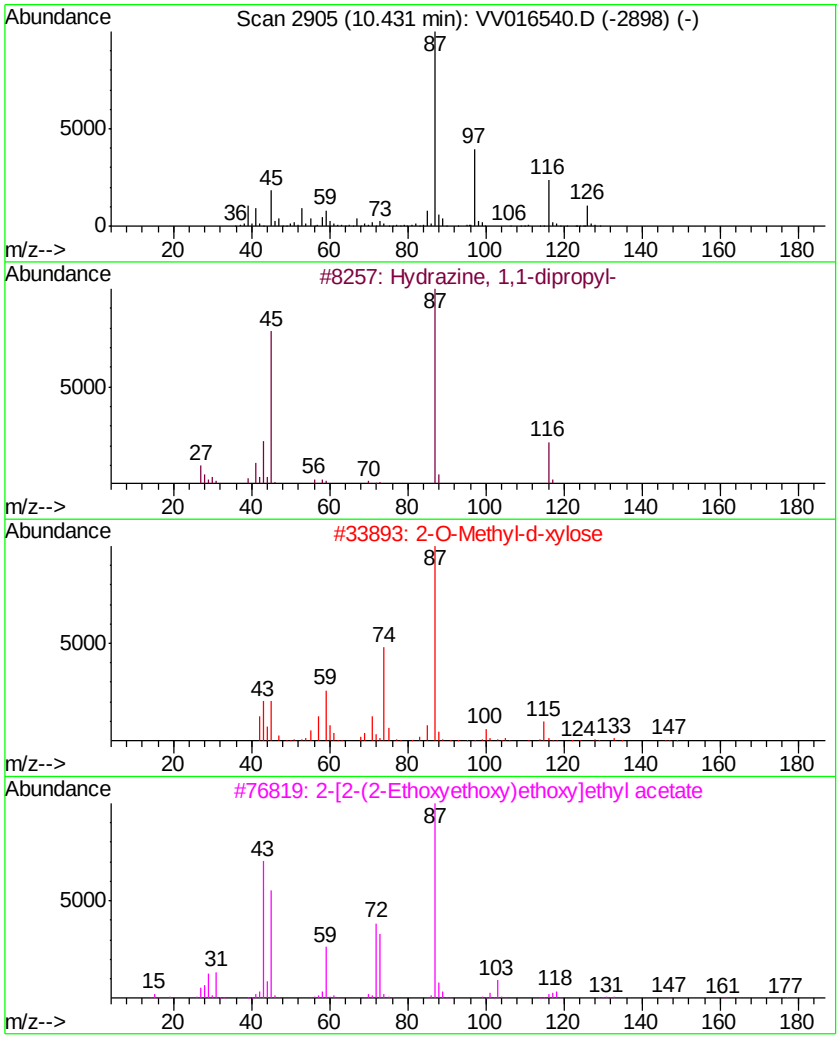
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

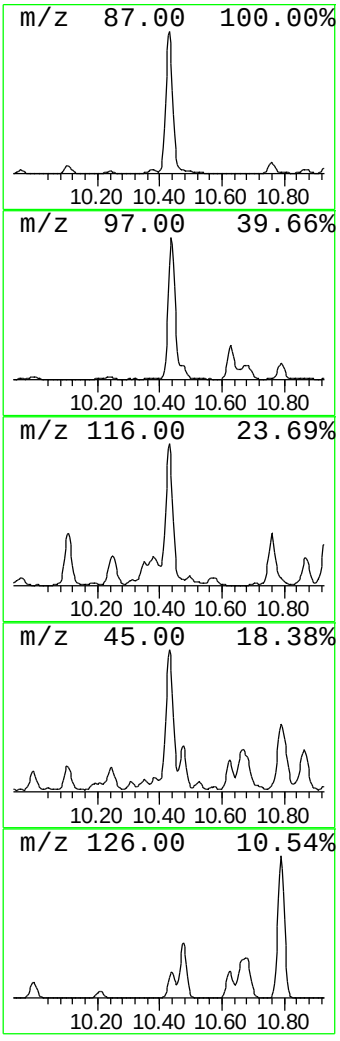
****

Peak Number 43 unknown-01 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	11.05 ug/L	414546	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	43
2	2-O-Methyl-d-xylose	164	C6H12O5	1000130-01-3	23
3	2-[2-(2-Ethoxyethoxy)ethoxy]ethy...	220	C10H20O5	1000351-93-2	23
4	4-Heptanol, 4-methyl-	130	C8H18O	000598-01-6	17
5	1,3-Dioxolane, 4-methyl-2-pentyl-	158	C9H18O2	001599-49-1	17





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

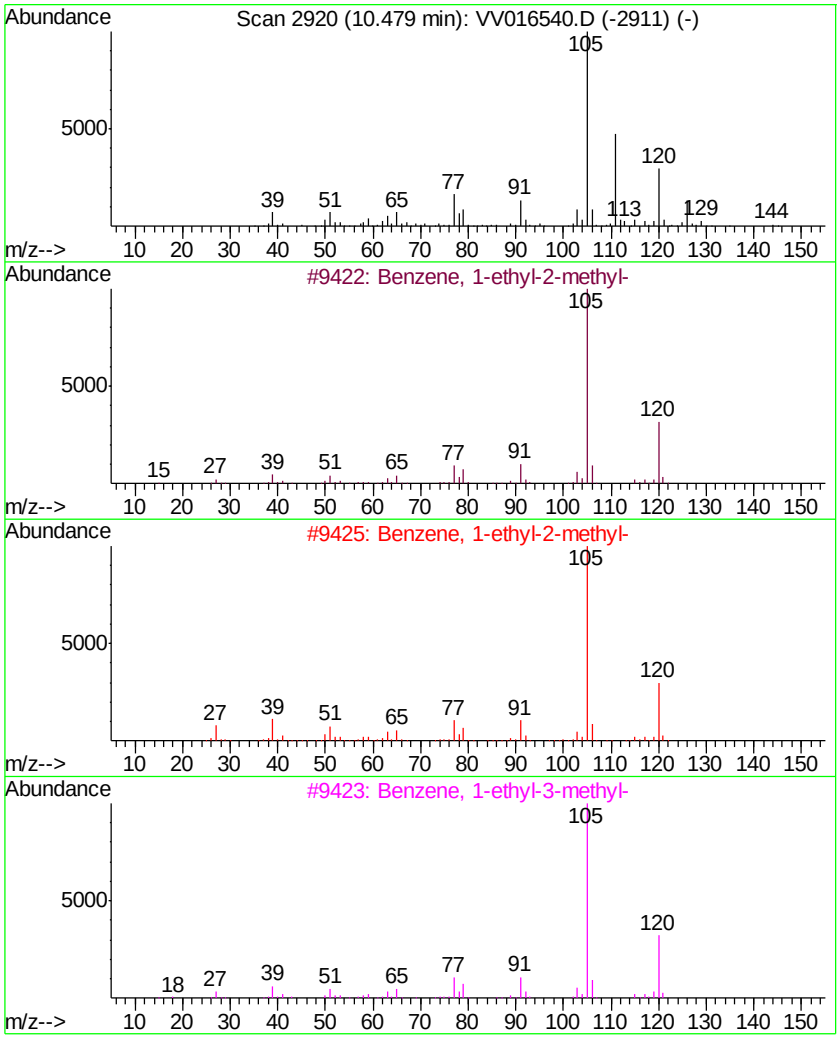
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

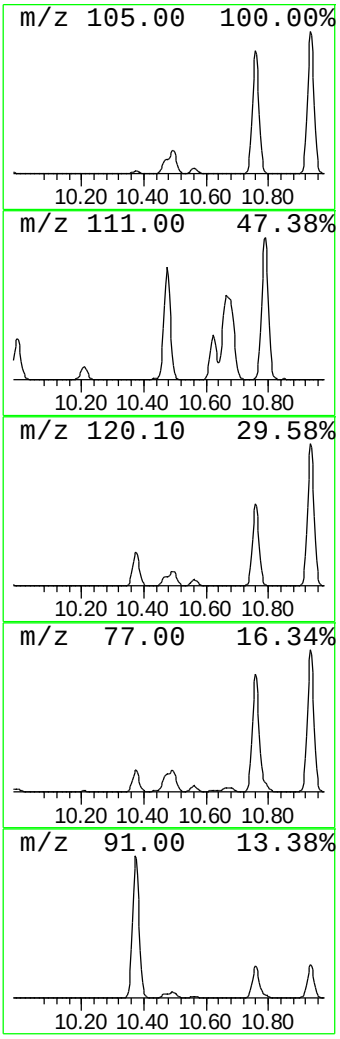
****

Peak Number 44 Benzene, 1-ethyl-2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	16.08 ug/L	603206	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	87
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70
4	Mesitylene	120	C9H12	000108-67-8	55
5	Mesitylene	120	C9H12	000108-67-8	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

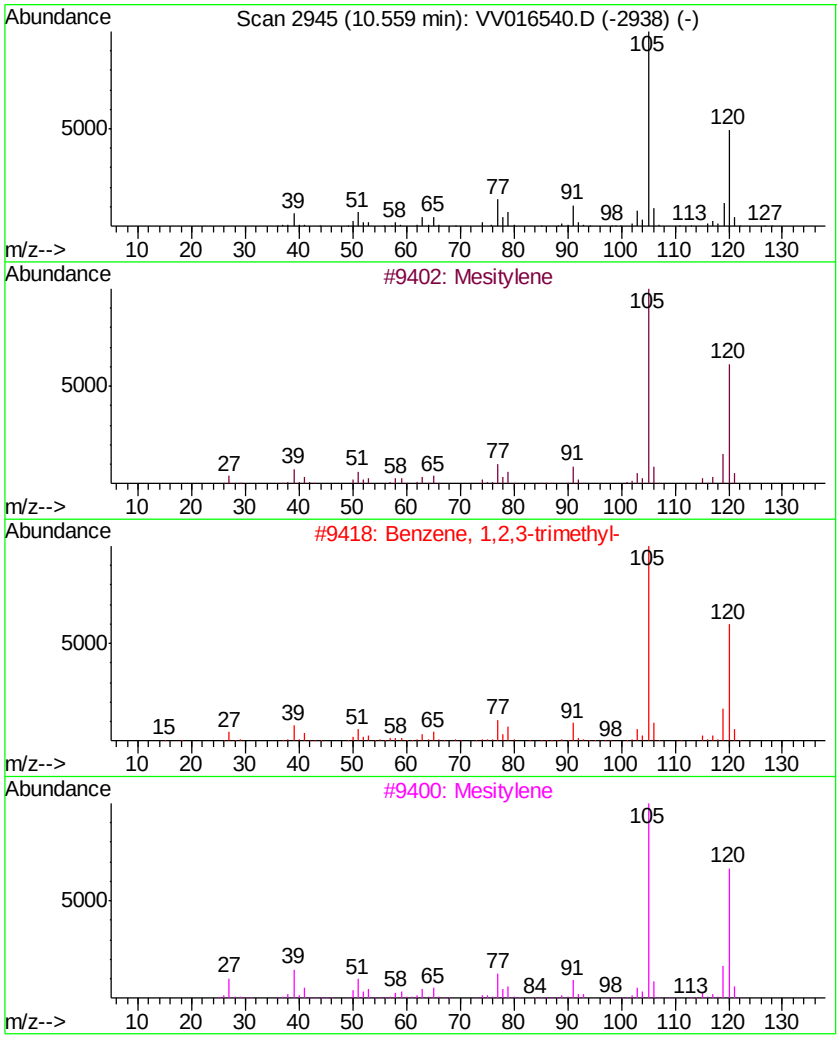
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

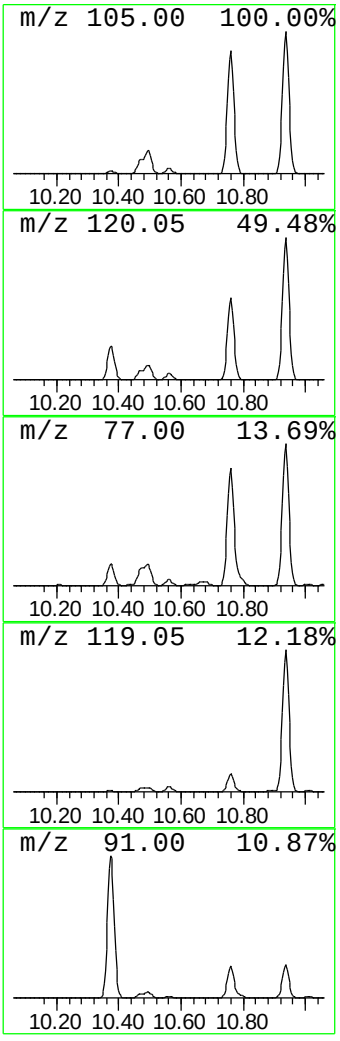
****

Peak Number 45 Mesitylene Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	7.62 ug/L	285591	1,4-Dichlorobenzene-d4	11.27

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

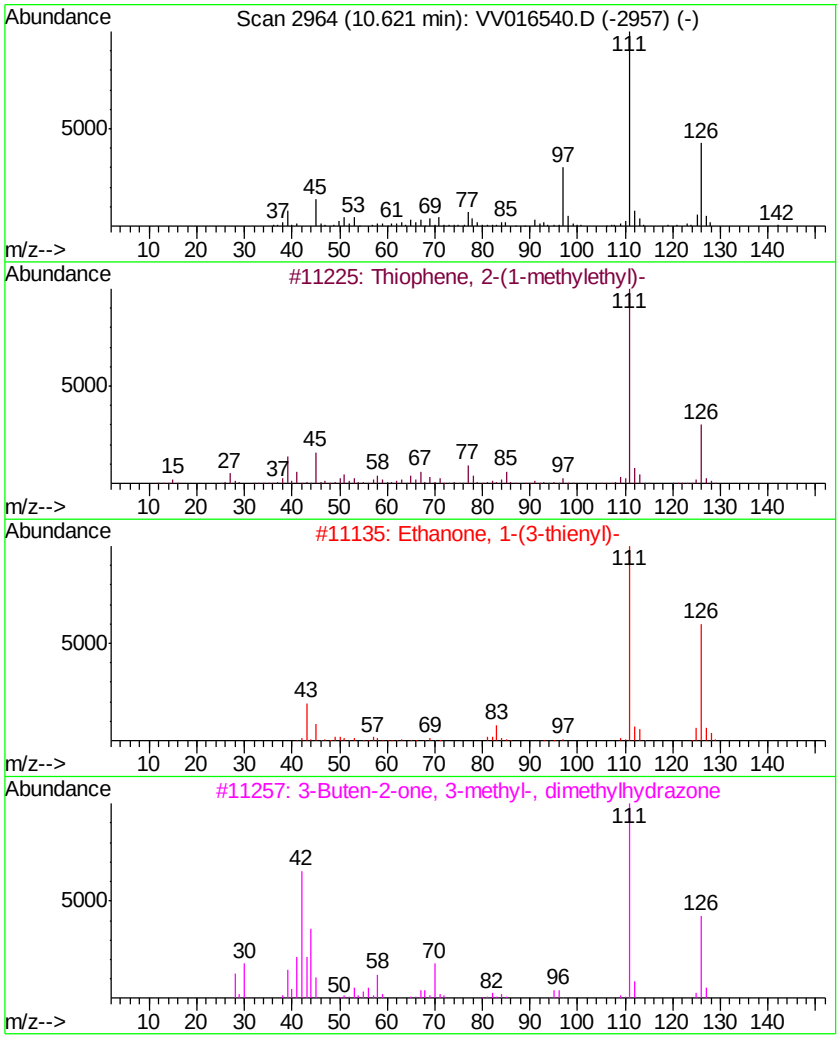
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

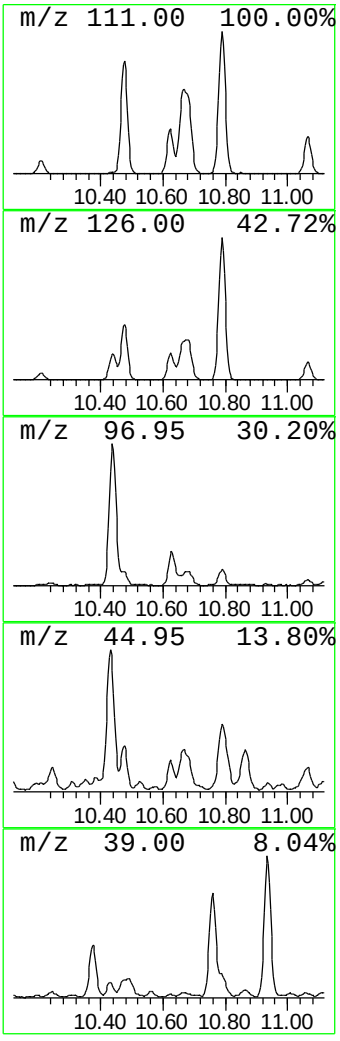
****

Peak Number 46 Thiophene, 2-(1-methylethyl)- Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	3.65 ug/L	136998	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-(1-methylethyl)-	126	C7H10S	004095-22-1	72
2	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	72
3	3-Buten-2-one, 3-methyl-, dimeth...	126	C7H14N2	075268-10-9	64
4	Ethanone, 1-(2-thienyl)-	126	C6H6OS	000088-15-3	59
5	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

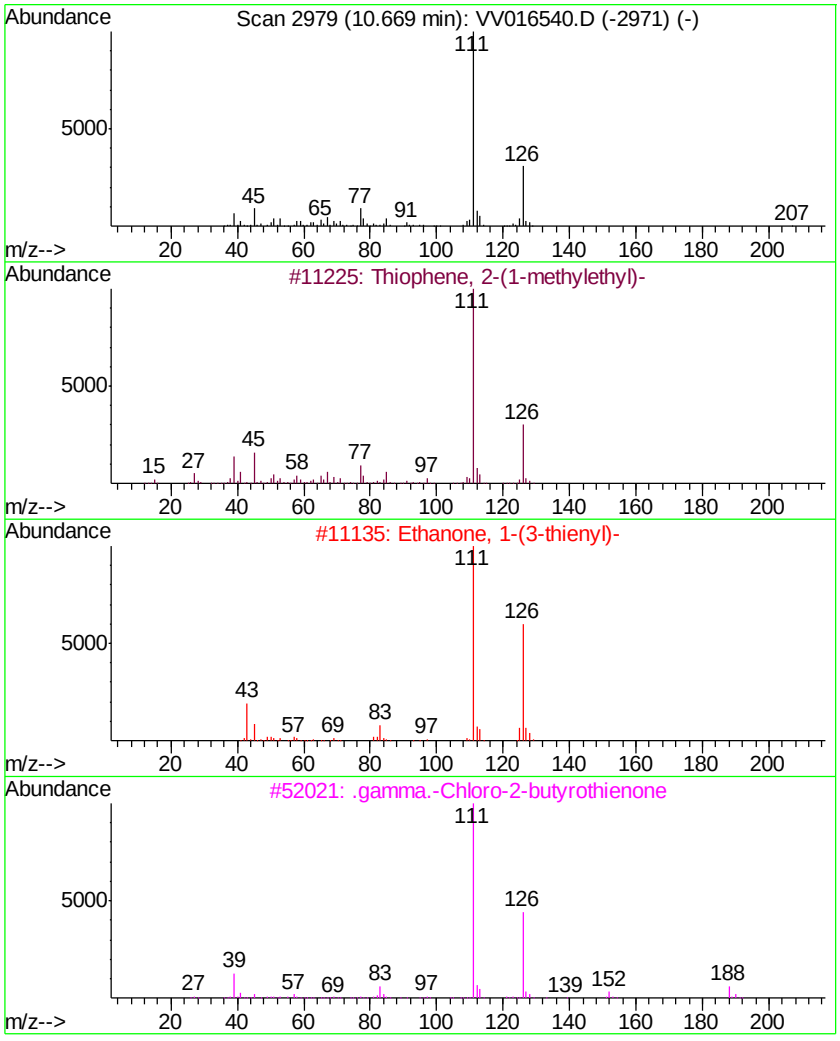
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

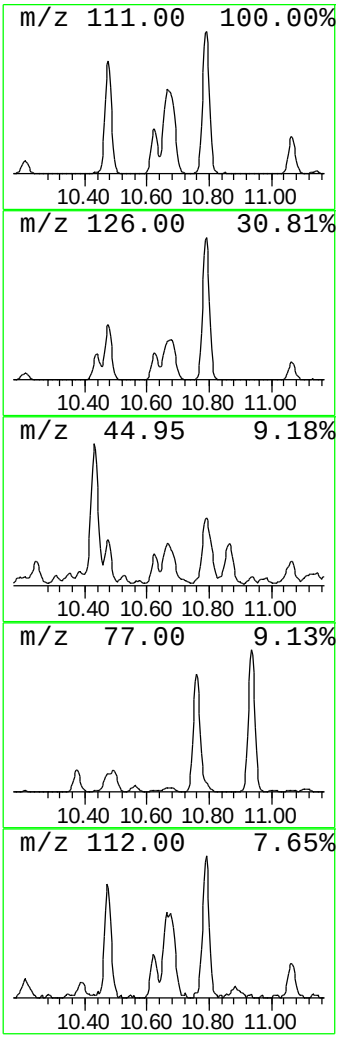
****

Peak Number 47 Ethanone, 1-(3-thienyl)- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	7.84 ug/L	294161	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-(1-methylethyl)-	126	C7H10S	004095-22-1	80
2	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	64
3	.gamma.-Chloro-2-butyrothienone	188	C8H9ClOS	043076-59-1	59
4	.gamma.-Chloro-2-butyrothienone	188	C8H9ClOS	043076-59-1	59
5	.gamma.-Chloro-2-butyrothienone	188	C8H9ClOS	043076-59-1	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

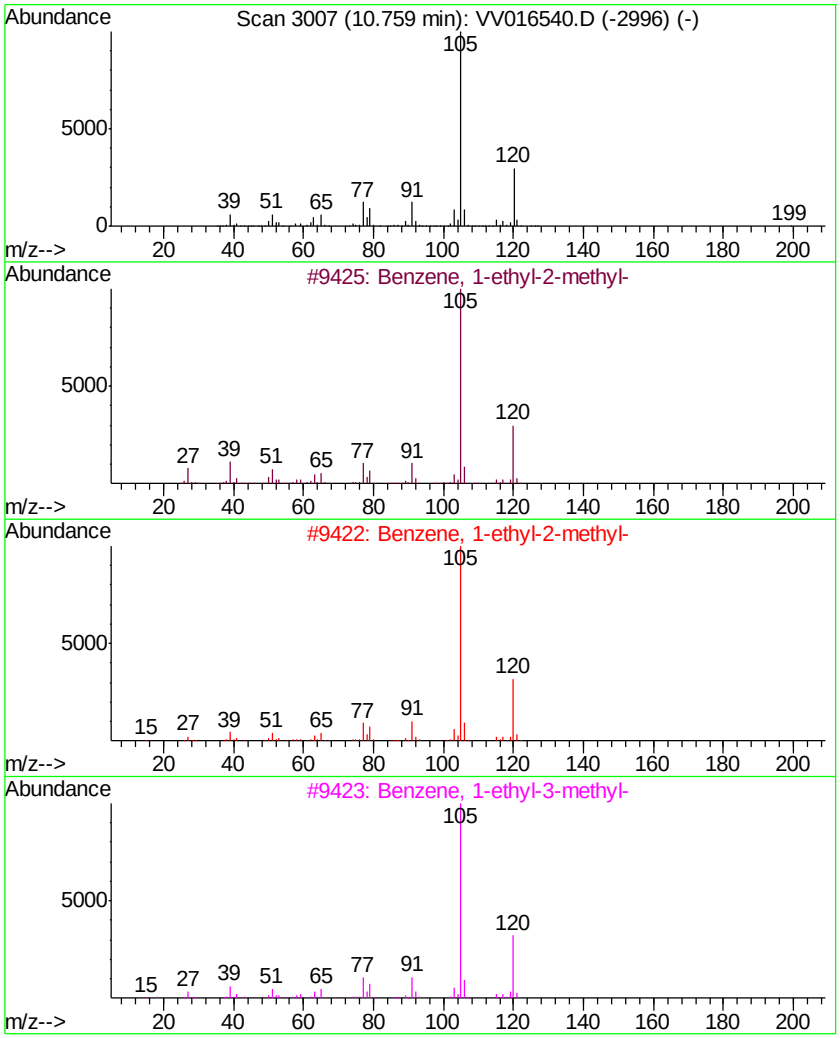
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

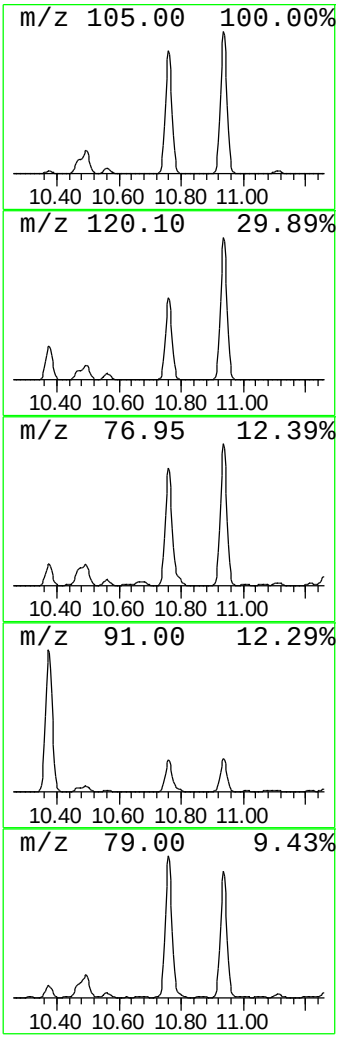
****

Peak Number 48 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	162.74 ug/L	6102950	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

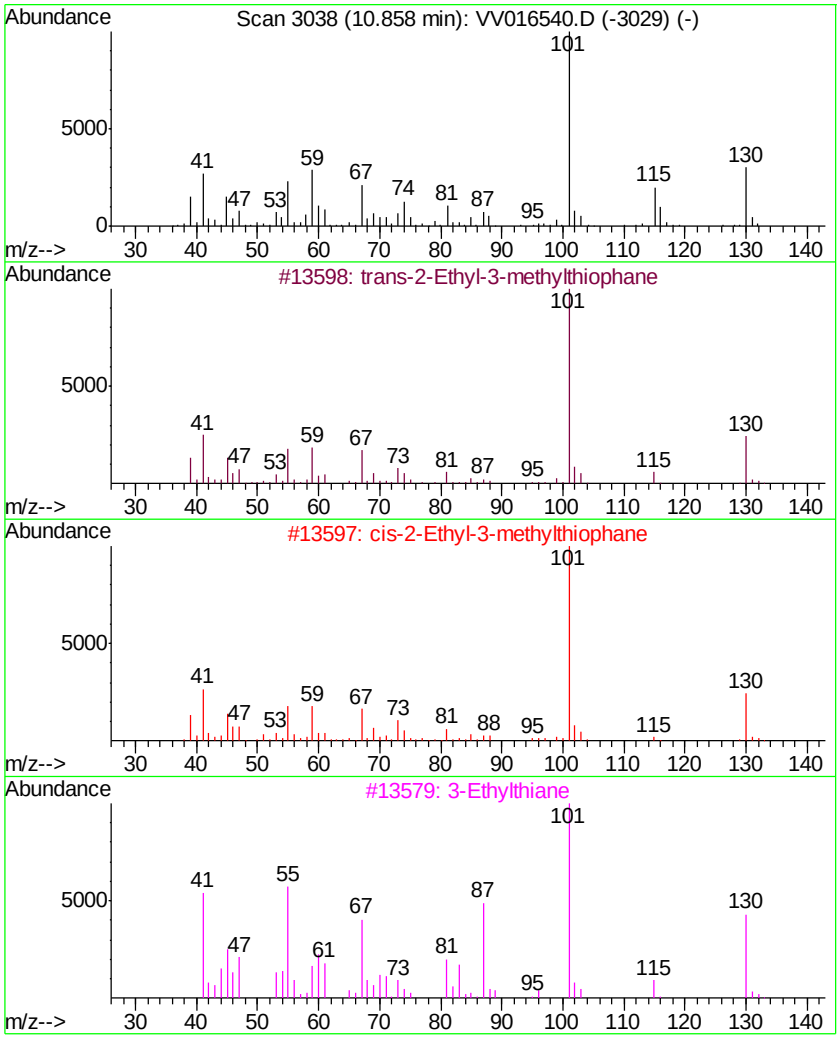
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

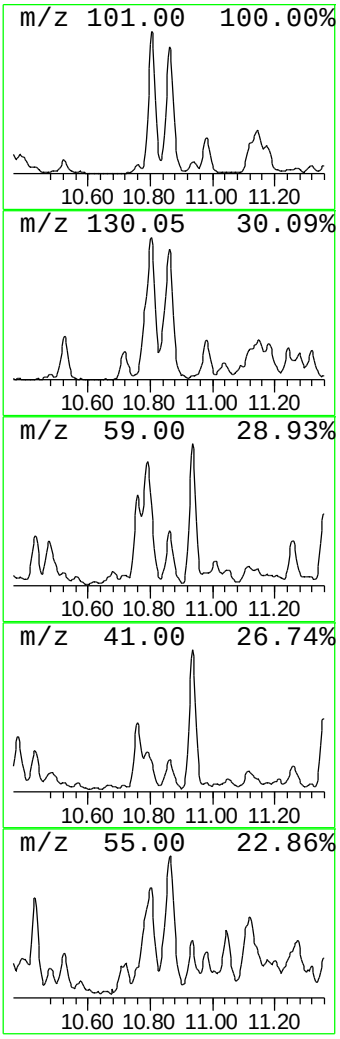
****

Peak Number 49 trans-2-Ethyl-3-methylthiop... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	7.45 ug/L	279385	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	64
2	cis-2-Ethyl-3-methylthiophane	130	C7H14S	061568-37-4	64
3	3-Ethylthiane	130	C7H14S	061568-48-7	53
4	1,2,4-Thiadiazole, 5-amino-	101	C2H3N3S	007552-07-0	49
5	1,3,4-Thiadiazol-2-amine	101	C2H3N3S	004005-51-0	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

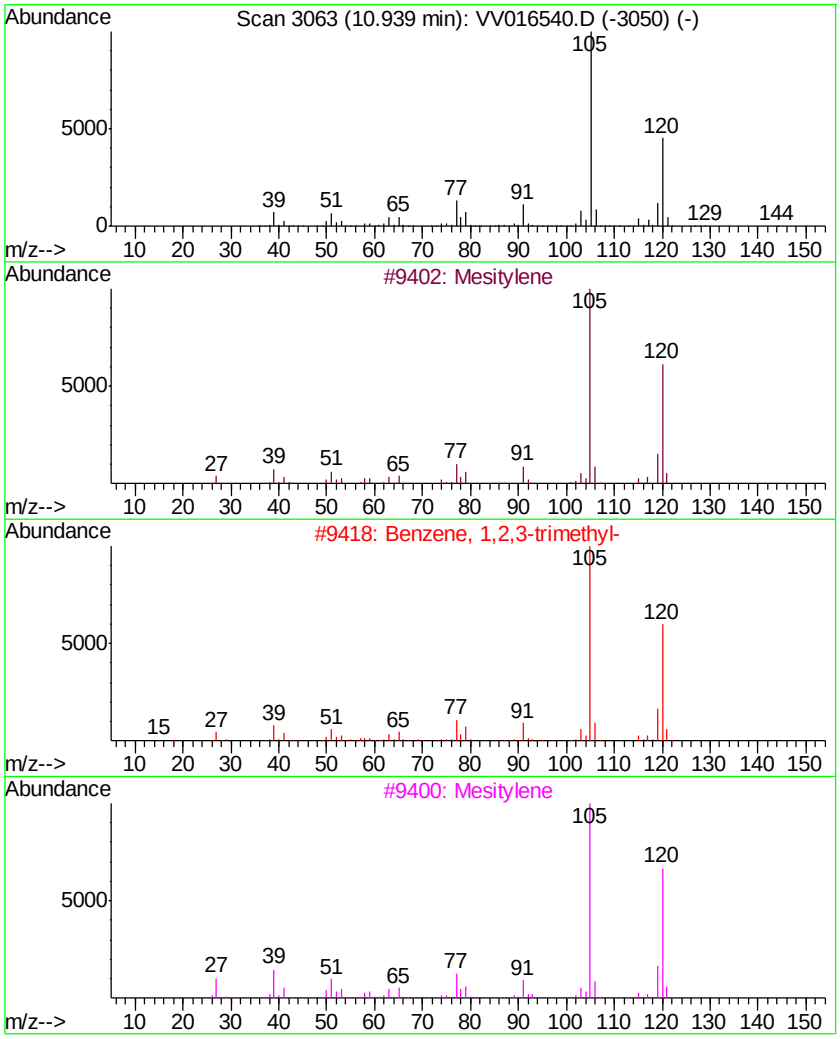
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

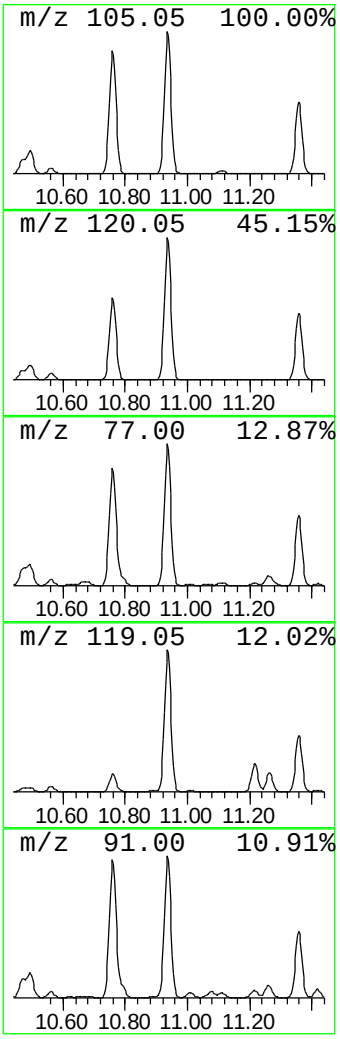
****

Peak Number 50 Benzene, 1,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	175.84 ug/L	6594230	1,4-Dichlorobenzene-d4	11.27

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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

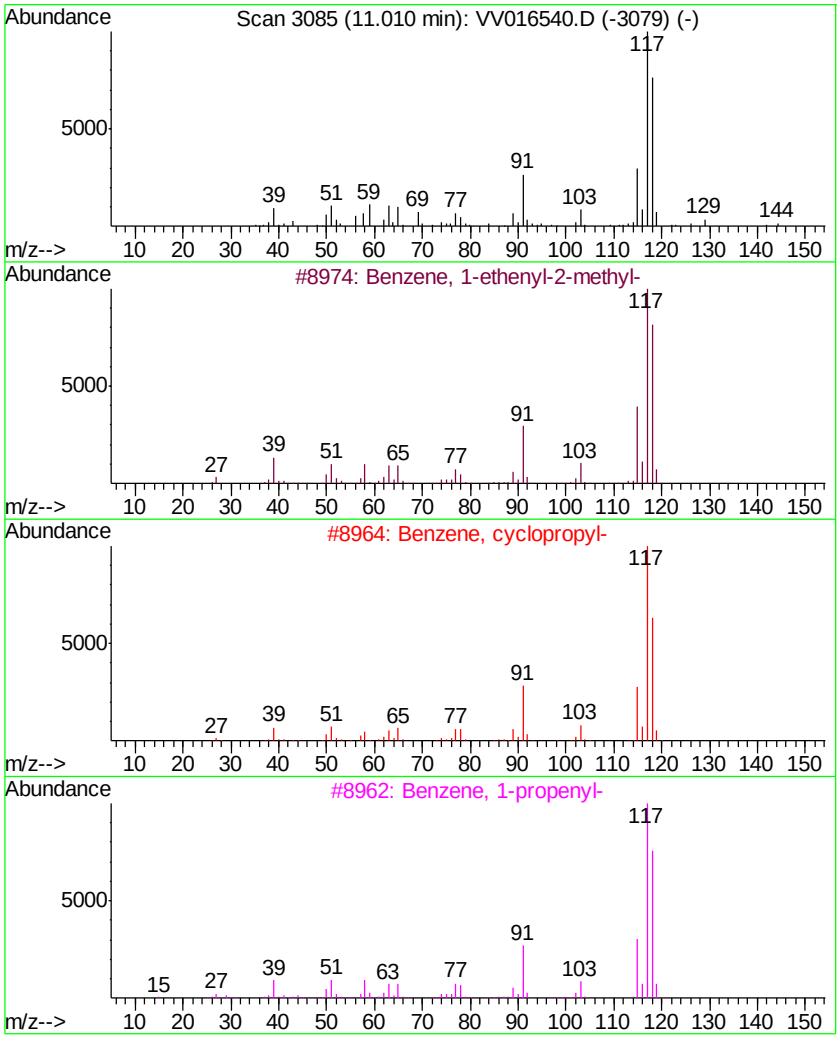
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

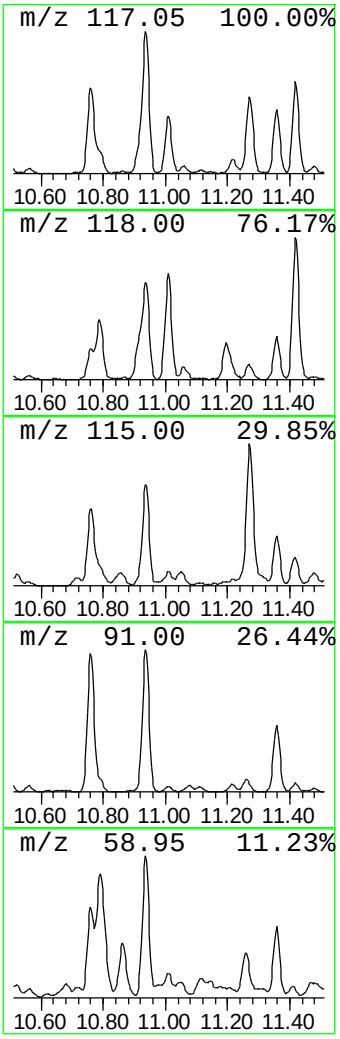
****

Peak Number 51 Benzene, 1-ethenyl-2-methyl- Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	3.26 ug/L	122275	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E45

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...	1.22	14.1	ug/L	301289	1	5.64	1069290	50.0
(DEL) Alkane: Str...	1.36	16.8	ug/L	358304	1	5.64	1069290	50.0
(DEL) Alkane: Str...	1.42	10.7	ug/L	229158	1	5.64	1069290	50.0
(DEL) Alkane: Str...	1.63	297.4	ug/L	6359160	1	5.64	1069290	50.0
(DEL) Alkane: Str...	1.77	28.7	ug/L	614358	1	5.64	1069290	50.0
(DEL) Alkane: Str...	1.81	160.1	ug/L	3424140	1	5.64	1069290	50.0
(DEL) Alkane: Str...	1.90	71.6	ug/L	1531610	1	5.64	1069290	50.0
(DEL) Alkane: Str...	1.99	35.4	ug/L	756279	1	5.64	1069290	50.0
(DEL) Alkane: Cyc...	2.03	19.6	ug/L	419729	1	5.64	1069290	50.0
1,3-Pentadiene	2.17	5.1	ug/L	108662	1	5.64	1069290	50.0
(DEL) Alkane: Str...	2.45	25.6	ug/L	547132	1	5.64	1069290	50.0
Cyclopentene	2.49	65.0	ug/L	1389640	1	5.64	1069290	50.0
(DEL) Alkane: Str...	2.54	32.2	ug/L	688631	1	5.64	1069290	50.0
(DEL) Alkane: Cyc...	2.59	148.5	ug/L	3175360	1	5.64	1069290	50.0
(DEL) Alkane: Str...	2.77	32.9	ug/L	703727	1	5.64	1069290	50.0
(DEL) Alkane: Str...	3.05	8.0	ug/L	170394	1	5.64	1069290	50.0
(DEL) Alkane: Str...	3.24	9.2	ug/L	197364	1	5.64	1069290	50.0
(DEL) Alkane: Str...	3.29	6.8	ug/L	144800	1	5.64	1069290	50.0
2,4-Hexadiene, (E...	3.45	41.5	ug/L	887772	1	5.64	1069290	50.0
Cyclopentene, 4-m...	3.52	14.9	ug/L	318484	1	5.64	1069290	50.0
(DEL) Alkane: Cyc...	3.78	210.5	ug/L	4502100	1	5.64	1069290	50.0
1,4-Pentadiene, 2...	4.48	5.5	ug/L	117450	1	5.64	1069290	50.0
(DEL) Alkane: Cyc...	4.97	6.1	ug/L	130622	1	5.64	1069290	50.0
Cyclohexene	5.24	110.9	ug/L	2371150	1	5.64	1069290	50.0
(DEL) Alkane: Cyc...	5.35	8.8	ug/L	187367	1	5.64	1069290	50.0
(DEL) Alkane: Cyc...	6.39	5.0	ug/L	108018	1	5.64	1069290	50.0
Cyclohexene, 3-me...	6.57	16.4	ug/L	351558	1	5.64	1069290	50.0
Cyclopentene, 1,5...	6.82	30.2	ug/L	645739	1	5.64	1069290	50.0
3-Hexanol, 4-methyl-	7.16	14.6	ug/L	312898	1	5.64	1069290	50.0
Thiophene, 2-methyl-	7.54	67.8	ug/L	1581480	2	8.87	1165580	50.0
Thiophene, 3-methyl-	7.72	20.0	ug/L	465900	2	8.87	1165580	50.0
Cyclopentanol, 1-...	8.31	5.0	ug/L	117139	2	8.87	1165580	50.0
Thiophene, tetrah...	9.29	8.9	ug/L	207124	2	8.87	1165580	50.0
Thiophene, 3,4-di...	9.33	34.9	ug/L	812791	2	8.87	1165580	50.0
Thiophene, tetrah...	9.41	10.6	ug/L	246069	2	8.87	1165580	50.0
trans-2,3-Dimethy...	9.47	10.4	ug/L	242514	2	8.87	1165580	50.0
cis-2,3-Dimethylt...	9.74	8.1	ug/L	188574	2	8.87	1165580	50.0
Thiophene, 2,4-di...	9.80	6.1	ug/L	141246	2	8.87	1165580	50.0
Thiazole, 4,5-dih...	9.88	9.4	ug/L	219031	2	8.87	1165580	50.0
2H-Thiopyran, tet...	10.10	4.5	ug/L	167020	3	11.27	1875110	50.0
Benzene, propyl-	10.37	62.6	ug/L	2347200	3	11.27	1875110	50.0
unknown-01	10.43	11.1	ug/L	414546	3	11.27	1875110	50.0
Benzene, 1-ethyl-...	10.48	16.1	ug/L	603206	3	11.27	1875110	50.0
Mesitylene	10.56	7.6	ug/L	285591	3	11.27	1875110	50.0
Thiophene, 2-(1-m...	10.62	3.6	ug/L	136998	3	11.27	1875110	50.0
Ethanone, 1-(3-th...	10.67	7.8	ug/L	294161	3	11.27	1875110	50.0
Benzene, 1-ethyl-...	10.76	162.7	ug/L	6102950	3	11.27	1875110	50.0
trans-2-Ethyl-3-m...	10.86	7.5	ug/L	279385	3	11.27	1875110	50.0
Benzene, 1,2,4-tr...	10.94	175.8	ug/L	6594230	3	11.27	1875110	50.0

Benzene, 1-etheny... 11.01 3.3 ug/L 122275 3 11.27 1875110 50.0

Instrument :
MSVOA_V
ClientSampleId :
F9E45