LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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	19	rVB	351508	317428	0.16%	0.096%
2	1.222	34	41	58	rVB	518799	488253	0.24%	0.147%
3	1.312	58	69	78	rBV2	3332439	4590608	2.26%	1.386%
4	1.361	78	84	95	rVV	2767415	2641204	1.30%	0.798%
5	1.422	95	103	112	rVB	2601652	2358226	1.16%	0.712%
6	1.544	134	141	157	rVB2	351315	557877	0.27%	0.168%
7	1.624	157	166	180	rVB	830818	1076076	0.53%	0.325%
8	1.766	201	210	217	rVV	1310826	1645397	0.81%	0.497%
9	1.807	217	223	241	rVB	844033	1127162	0.56%	0.340%
10	1.904	243	253	268	rBV	1338136	1719328	0.85%	0.519%
11	1.988	268	279	286	rVV	778530	1074634	0.53%	0.325%
12	2.029	286	292	309	rVV2	540012	789317	0.39%	0.238%
13	2.116	309	319	330	rVV	309149	460141	0.23%	0.139%
14	2.444	408	421	424	rBV2	123392	190202	0.09%	0.057%
15	2.486	425	434	447	rVB	1570825	2637843	1.30%	0.797%
16	2.589	455	466	477	rBV	815095	1470864	0.72%	0.444%
17	2.775	505	524	538	rVB2	53723	155729	0.08%	0.047%
18	2.965	567	583	600	rBV	110201	222956	0.11%	0.067%
19	3.055	600	611	627	rVB2	56628	111115	0.05%	0.034%
20	3.171	634	647	656	rBV3	42080	87208	0.04%	0.026%
21	3.238	657	668	678	rVV	91117	206757	0.10%	0.062%
22	3.454	721	735	748	rVV3	212166	553696	0.27%	0.167%
23	3.524	749	757	774	rVV2	84969	203011	0.10%	0.061%
24	3.704	800	813	822	rBV2	31682	74738	0.04%	0.023%
25	3.785	823	838	863	rVV3	330304	992122	0.49%	0.300%
26	3.897	864	873	892	rVV	114111	305796	0.15%	0.092%
27	3.987	893	901	927	rVB	38072	102639	0.05%	0.031%
28	4.373	999	1021	1039	rBV	246581	617236	0.30%	0.186%
29	4.701	1102	1123	1142	rBV	475821	1208906	0.60%	0.365%
30	5.161	1220	1266	1280	rBV2	64745923	202883626	100.00%	61.269%
31	5.251	1288	1294	1311	rVB	617105	1221863	0.60%	0.369%
32	5.386	1314	1336	1370	rVB	3076622	6398975	3.15%	1.932%
33	5.640	1403	1415	1439	rBV	496180	979415	0.48%	0.296%
34	5.968	1502	1517	1537	rVV	211082	416848	0.21%	0.126%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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	6.093	1541	1556	1567	rVV	332708	676110	0.33%	0.204%
36	6.155	1568	1575	1582	rVV2	113992	227834	0.11%	0.069%
37	6.200	1583	1589	1601	rVV	97514	185930	0.09%	0.056%
38	6.270	1603	1611	1628	rVV6	40381	90818	0.04%	0.027%
39	6.357	1628	1638	1661	rVB2	33590	94396	0.05%	0.029%
40	6.595	1691	1712	1726	rBV5	51340	165345	0.08%	0.050%
41	6.823	1769	1783	1795	rBV	79355	145163	0.07%	0.044%
42	7.010	1827	1841	1858	rBV3	315483	588670	0.29%	0.178%
43	7.161	1878	1888	1895	rBV	69978	142118	0.07%	0.043%
44	7.248	1905	1915	1931	rVB	214520	370704	0.18%	0.112%
45	7.338	1931	1943	1953	rBV	720139	1220240	0.60%	0.369%
46	7.409	1953	1965	1981	rVB	4900947	8242976	4.06%	2.489%
47	7.540	1997	2006	2020	rVB	493552	850759	0.42%	0.257%
48	7.643	2029	2038	2050	rVB	125879	202487	0.10%	0.061%
49	7.717	2050	2061	2072	rBV	358193	585391	0.29%	0.177%
50	7.872	2099	2109	2128	rVB4	60247	133523	0.07%	0.040%
51	8.106	2170	2182	2194	rBV	450821	750462	0.37%	0.227%
52	8.161	2194	2199	2210	rVV	42900	79698	0.04%	0.024%
53	8.238	2210	2223	2238	rVV	2035891	3439822	1.70%	1.039%
54	8.794	2371	2396	2401	rBV5	44182	158599	0.08%	0.048%
55	8.875	2401	2421	2426	rVV	765411	1384667	0.68%	0.418%
56	8.916	2426	2434	2458	rVV	3466663	5725638	2.82%	1.729%
57	9.035	2458	2471	2483	rVV	9385548	14815930	7.30%	4.474%
58	9.090	2483	2488	2493	rVV	148680	221123	0.11%	0.067%
59	9.161	2493	2510	2532	rVB	5931561	10344226	5.10%	3.124%
60	9.283	2534	2548	2555	rBV	1030313	1678899	0.83%	0.507%
61	9.328	2555	2562	2576	rVB3	758838	1265859	0.62%	0.382%
62	9.405	2576	2586	2596	rBV	917462	1420739	0.70%	0.429%
63	9.473	2596	2607	2616	rVV3	1007377	1827600	0.90%	0.552%
64	9.518	2616	2621	2626	rVV	373056	527695	0.26%	0.159%
65	9.566	2626	2636	2648	rVB	4677971	7183975	3.54%	2.169%
66	9.736	2673	2689	2700	rBV3	378927	685053	0.34%	0.207%
67	9.826	2700	2717	2725	rBV3	363860	792172	0.39%	0.239%
68	9.884	2725	2735	2746	rVB3	522294	852921	0.42%	0.258%
69	9.952	2746	2756	2775	rVB	301299	550533	0.27%	0.166%
70	10.103	2789	2803	2816	rBV2	694923	1210204	0.60%	0.365%
71	10.167	2816	2823	2830	rBV3	68038	117396	0.06%	0.035%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

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

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

72	10.238	2832	2845	2854	rBV5	740464	1292617	0.64%	0.390%
73	10.286	2854	2860	2873	rVB2	213895	344804	0.17%	0.104%
74	10.376	2873	2888	2896	rBV3	536417	1062991	0.52%	0.321%
75	10.431	2897	2905	2911	rVV	766745	1260894	0.62%	0.381%
76	10.469	2911	2917	2931	rVB	822496	1565204	0.77%	0.473%
77	10.563	2939	2946	2957	rVB	275341	440874	0.22%	0.133%
78	10.682	2971	2983	2984	rBV	56275	103169	0.05%	0.031%
79	10.759	2998	3007	3015	rBV	869446	1467298	0.72%	0.443%
80	10.865	3031	3040	3051	rVB6	374024	677630	0.33%	0.205%
81	10.936	3051	3062	3071	rBV	1203381	1778745	0.88%	0.537%
82	11.119	3109	3119	3136	rBV7	247360	605997	0.30%	0.183%
83	11.270	3155	3166	3177	rVB2	926945	1543482	0.76%	0.466%
84	11.357	3184	3193	3203	rBV	1299686	1903625	0.94%	0.575%
85	11.550	3243	3253	3263	rBV	694495	1158140	0.57%	0.350%
86	11.646	3275	3283	3293	rVB	698707	1035337	0.51%	0.313%
87	11.768	3312	3321	3332	rBV2	326193	540014	0.27%	0.163%
88	11.839	3338	3343	3353	rVB2	55994	82114	0.04%	0.025%
89	12.039	3399	3405	3412	rBV2	104756	131099	0.06%	0.040%
90	12.116	3421	3429	3433	rBV2	245029	384916	0.19%	0.116%
91	12.489	3540	3545	3554	rVB2	88276	122049	0.06%	0.037%
92	12.749	3618	3626	3634	rBV2	71311	113399	0.06%	0.034%
93	12.903	3665	3674	3688	rBV3	382755	673540	0.33%	0.203%
94	12.971	3689	3695	3714	rVB2	133944	283670	0.14%	0.086%
95	13.074	3716	3727	3746	rBV3	202410	377188	0.19%	0.114%
96	13.241	3771	3779	3786	rBV3	66914	109814	0.05%	0.033%
97	13.524	3855	3867	3888	rBV	1479125	2287683	1.13%	0.691%
98	13.646	3895	3905	3924	rVB	282281	461677	0.23%	0.139%
99	14.659	4211	4220	4235	rBV2	61573	150230	0.07%	0.045%
100	14.845	4266	4278	4292	rBV2	176478	334459	0.16%	0.101%

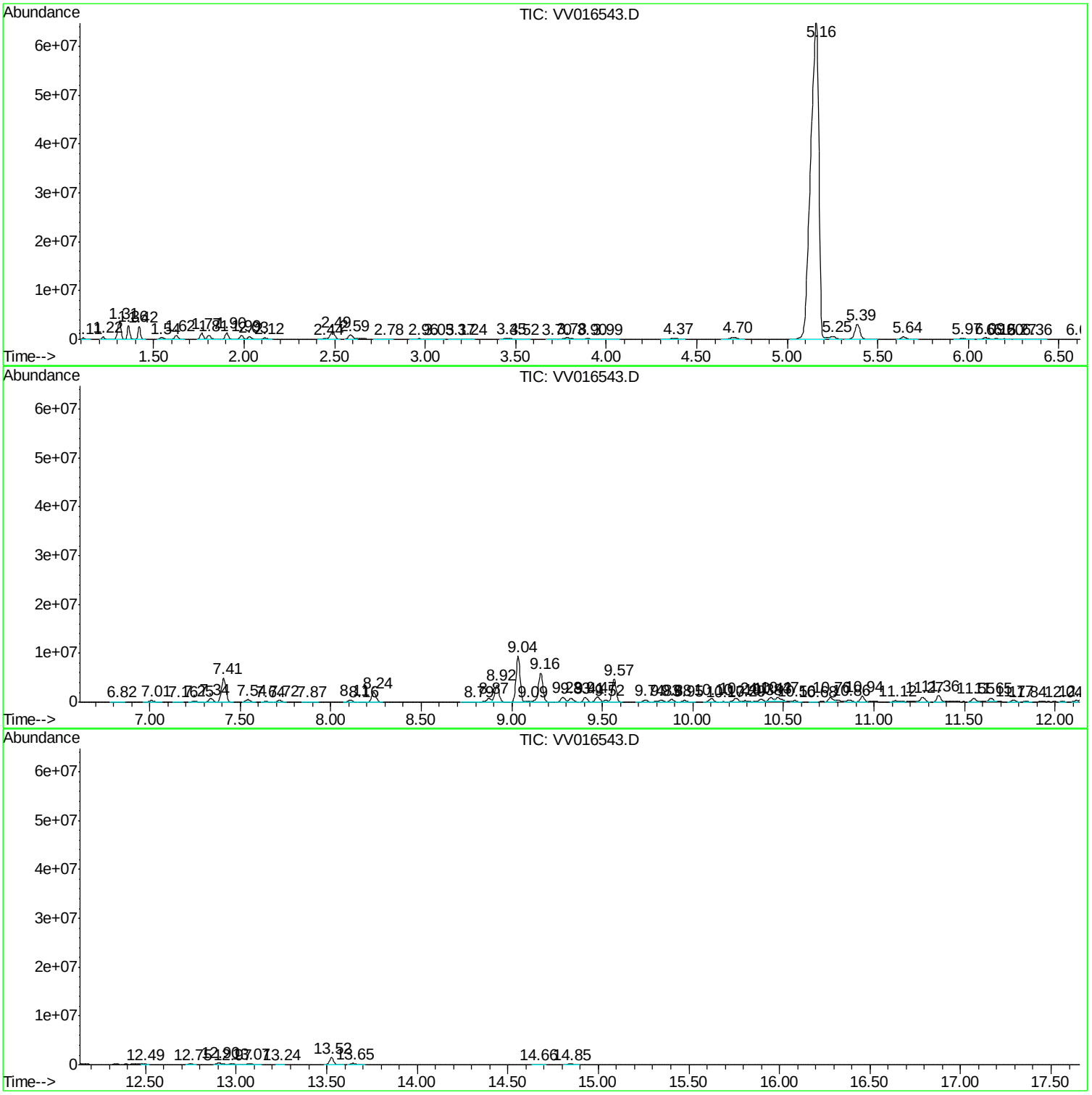
Sum of corrected areas: 331135530

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9E48

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

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

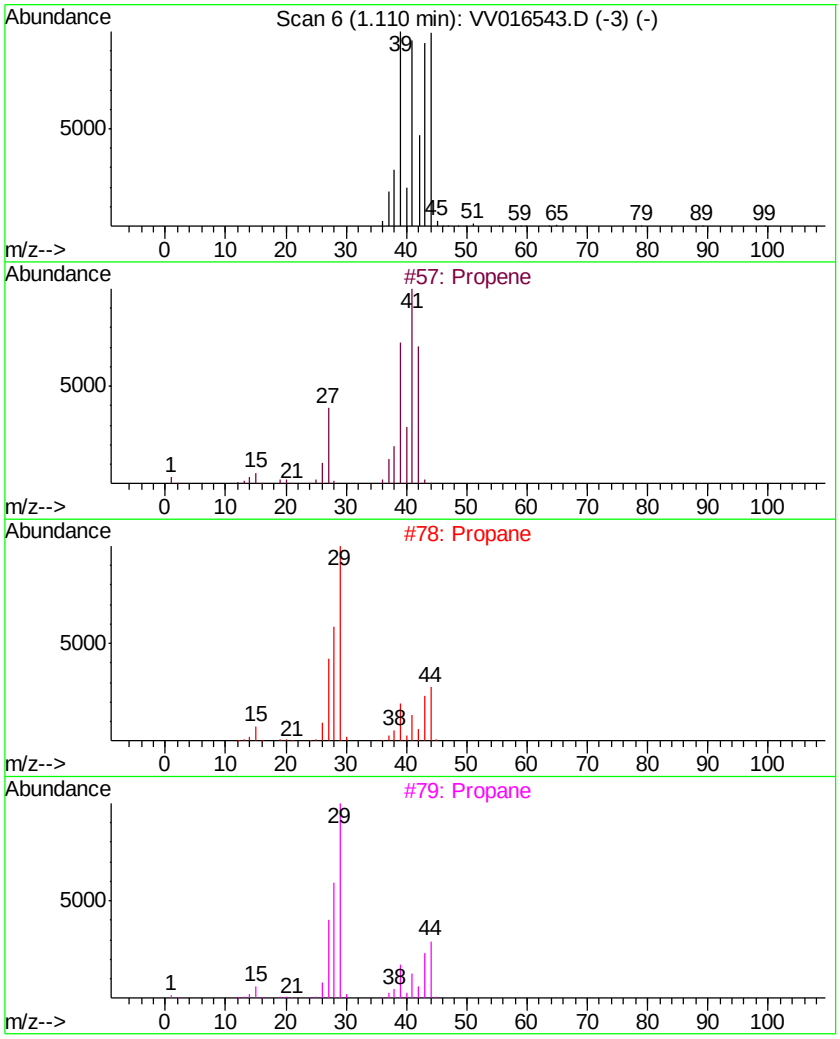
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

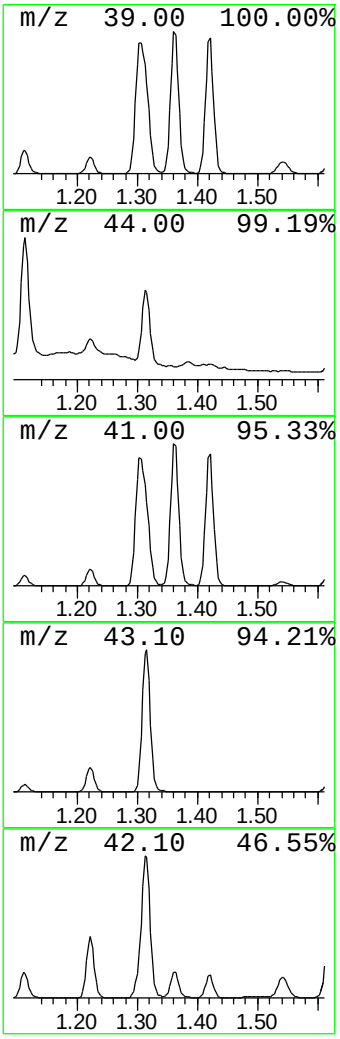
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.11	16.21 ug/L	317428	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	9
2	Propane	44	C3H8	000074-98-6	7
3	Propane	44	C3H8	000074-98-6	5
4	Propane	44	C3H8	000074-98-6	4
5	Cyclopropene	40	C3H4	002781-85-3	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

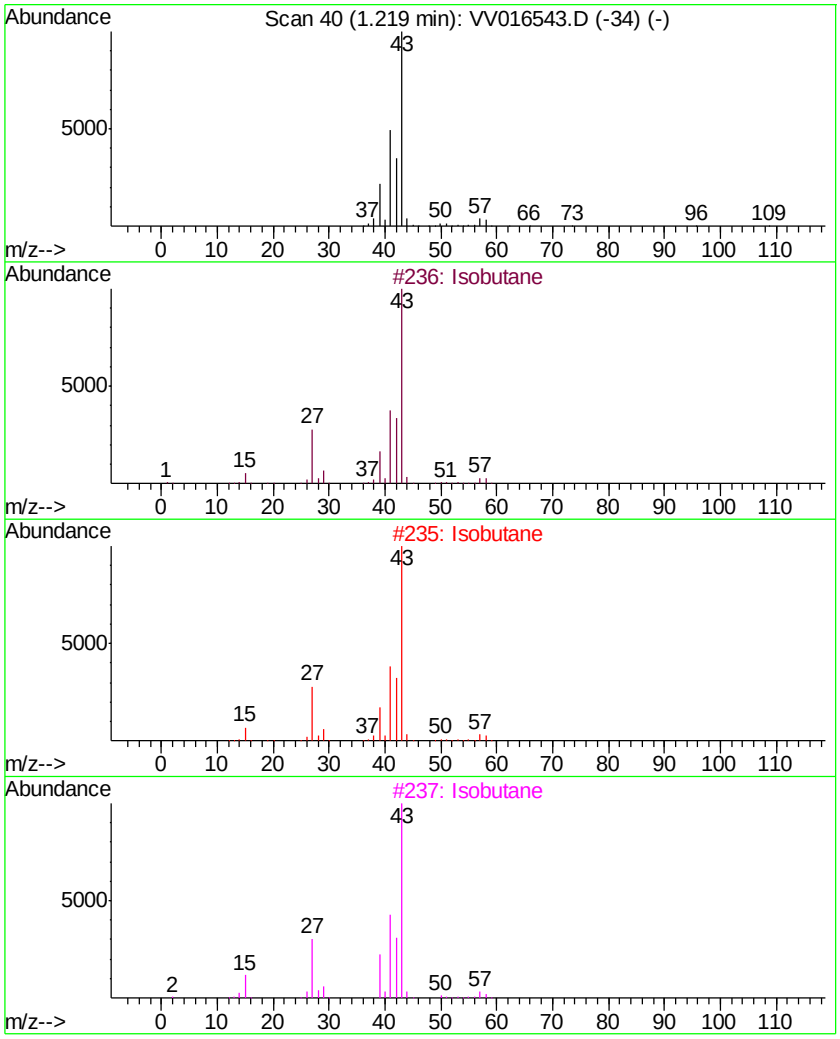
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

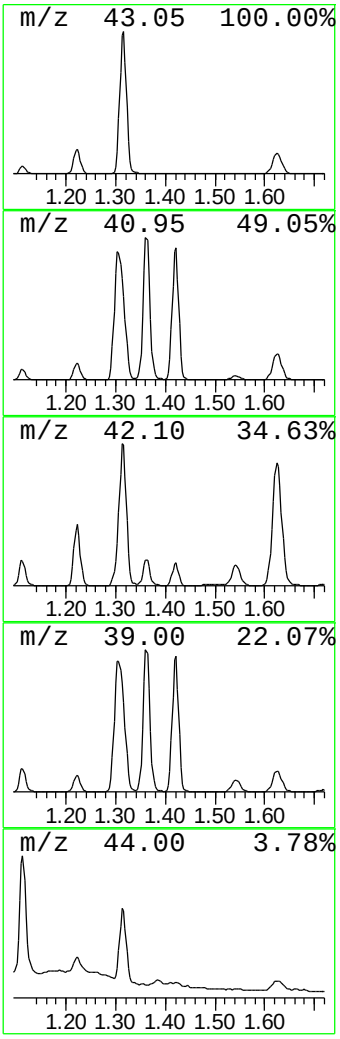
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	24.93 ug/L	488253	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	80
2	Isobutane	58	C4H10	000075-28-5	72
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	64
5	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

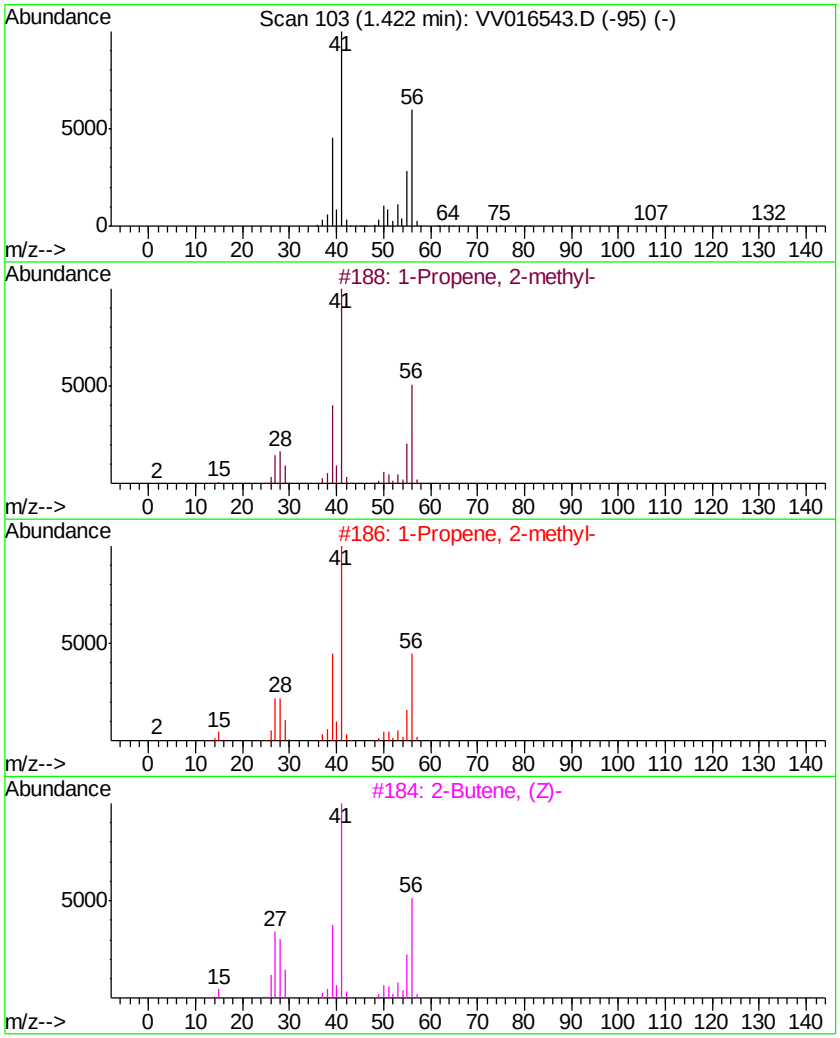
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

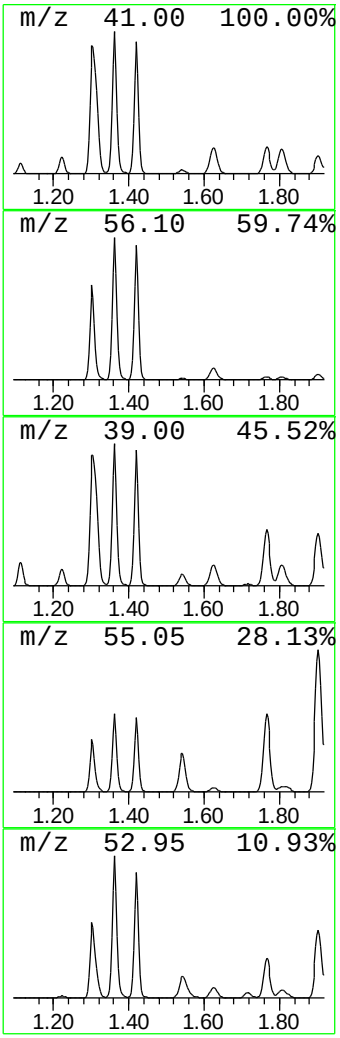
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.42	120.39 ug/L	2358230	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 : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

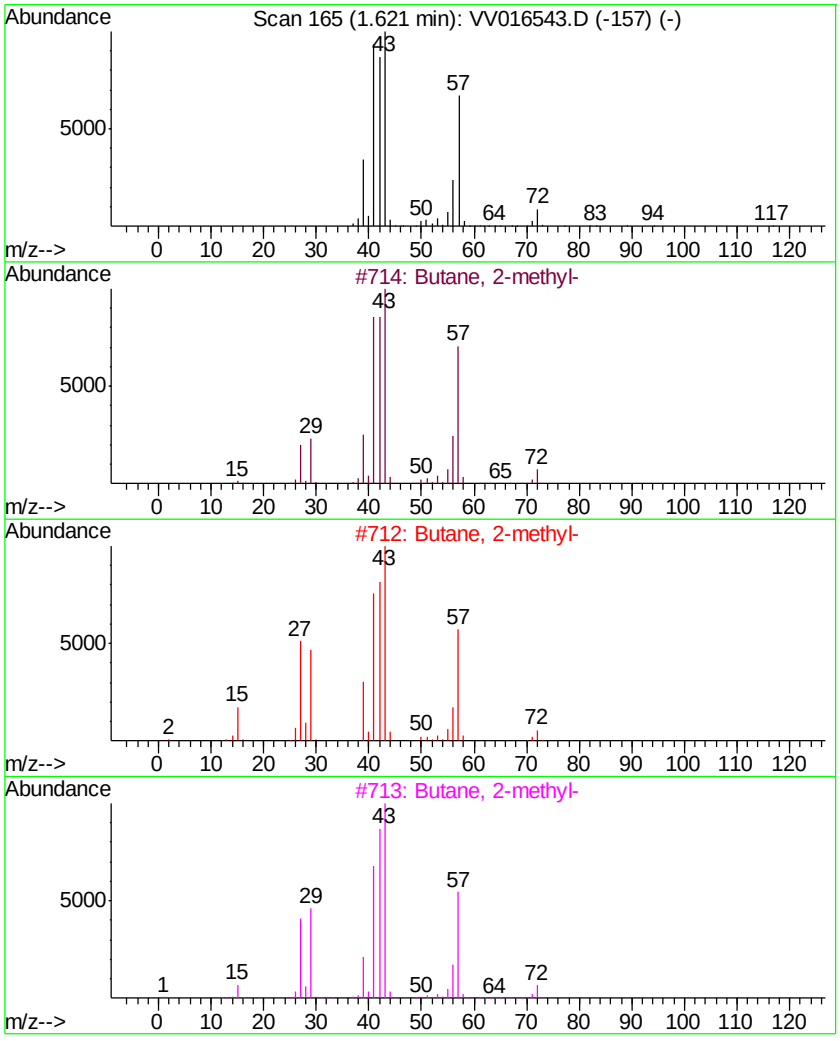
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

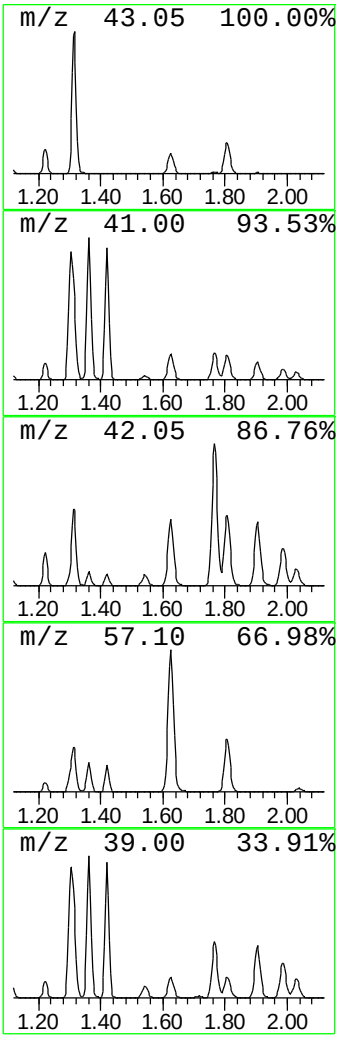
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.62	54.93 ug/L	1076080	1,4-Difluorobenzene	5.64

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

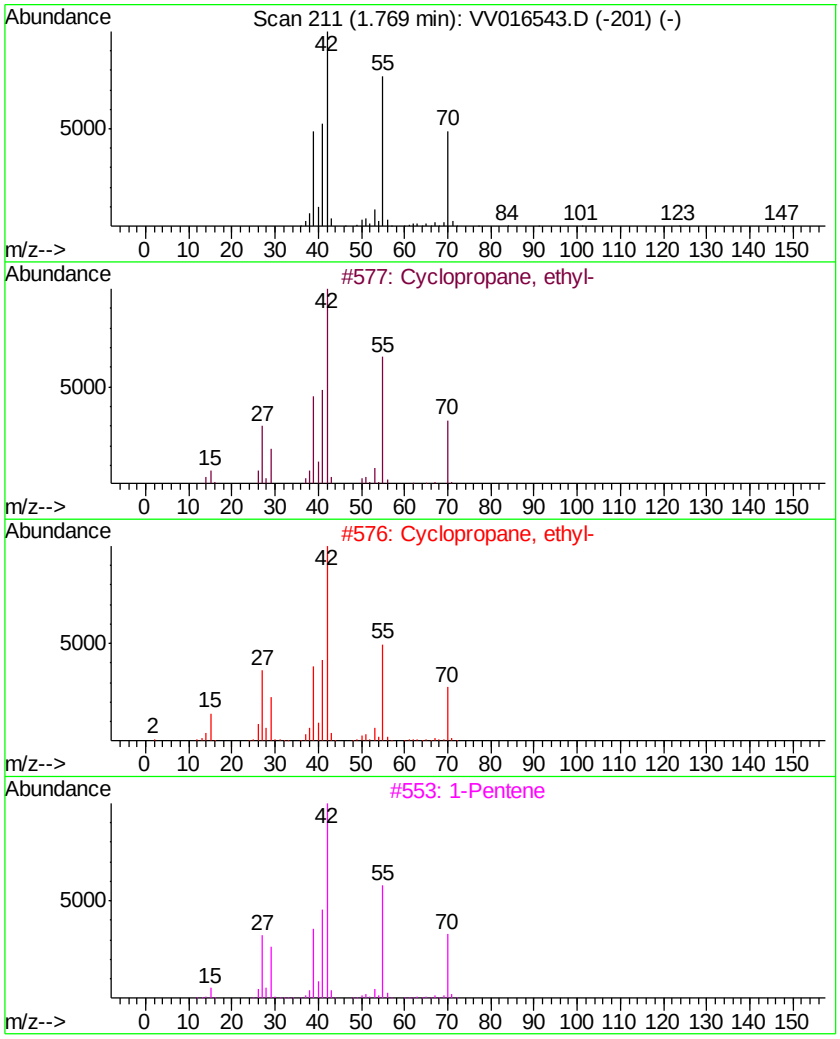
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

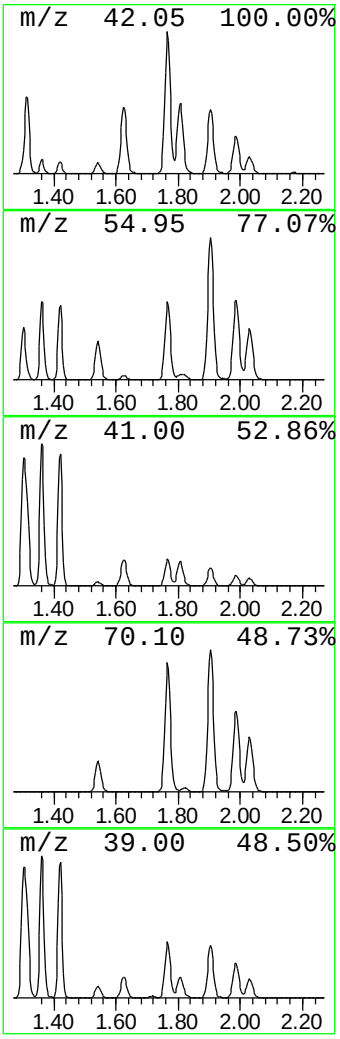
****

Peak Number 5 (DEL) Alkane: Cyclic1.77 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.77	84.00 ug/L	1645400	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	87
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	78
3	1-Pentene	70	C5H10	000109-67-1	70
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	68
5	1-Pentene	70	C5H10	000109-67-1	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

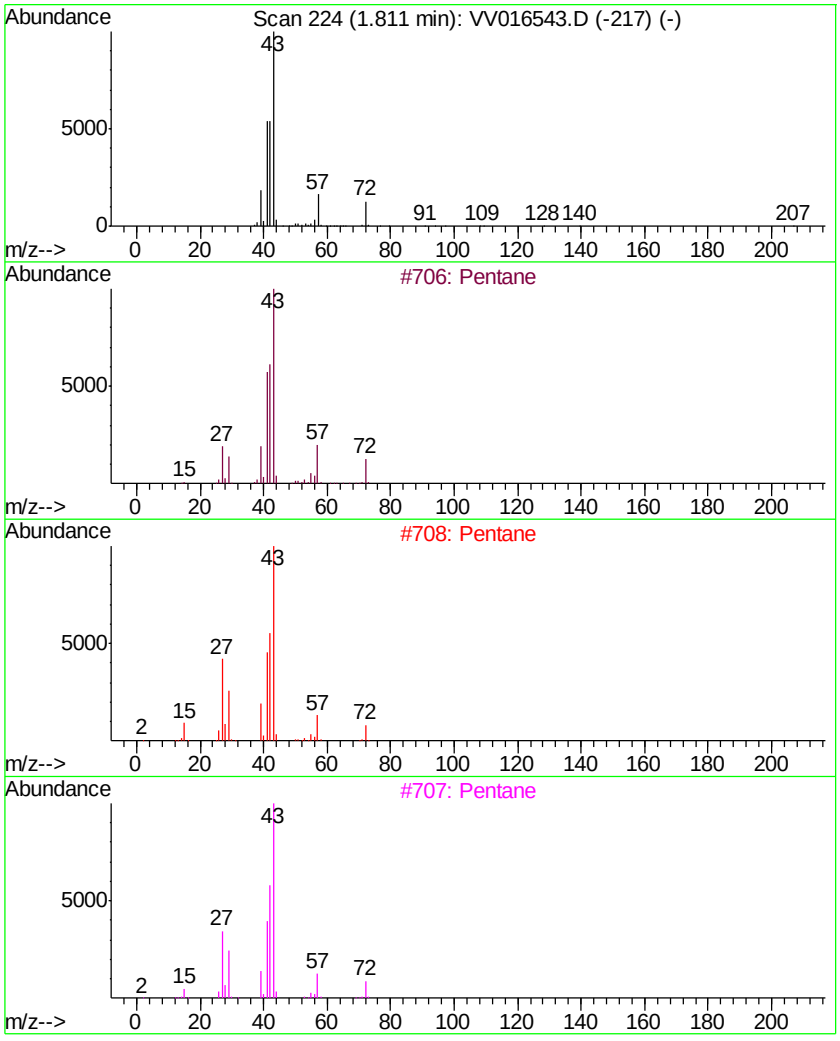
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

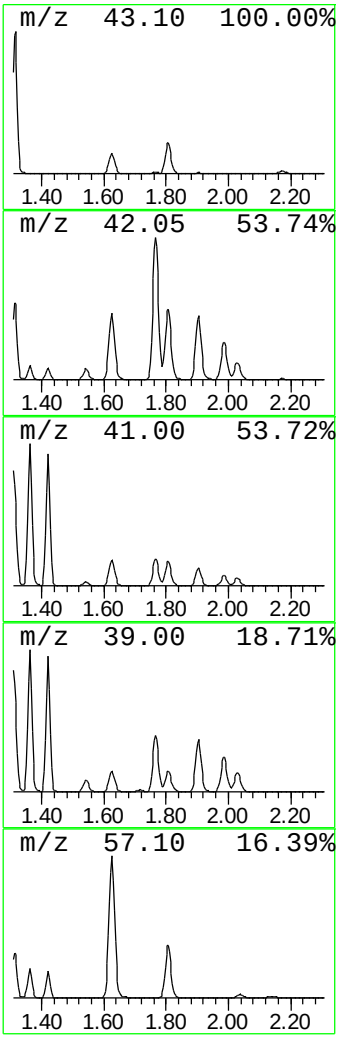
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.81	57.54 ug/L	1127160	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	78
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	53





Library Search Compound Report

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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

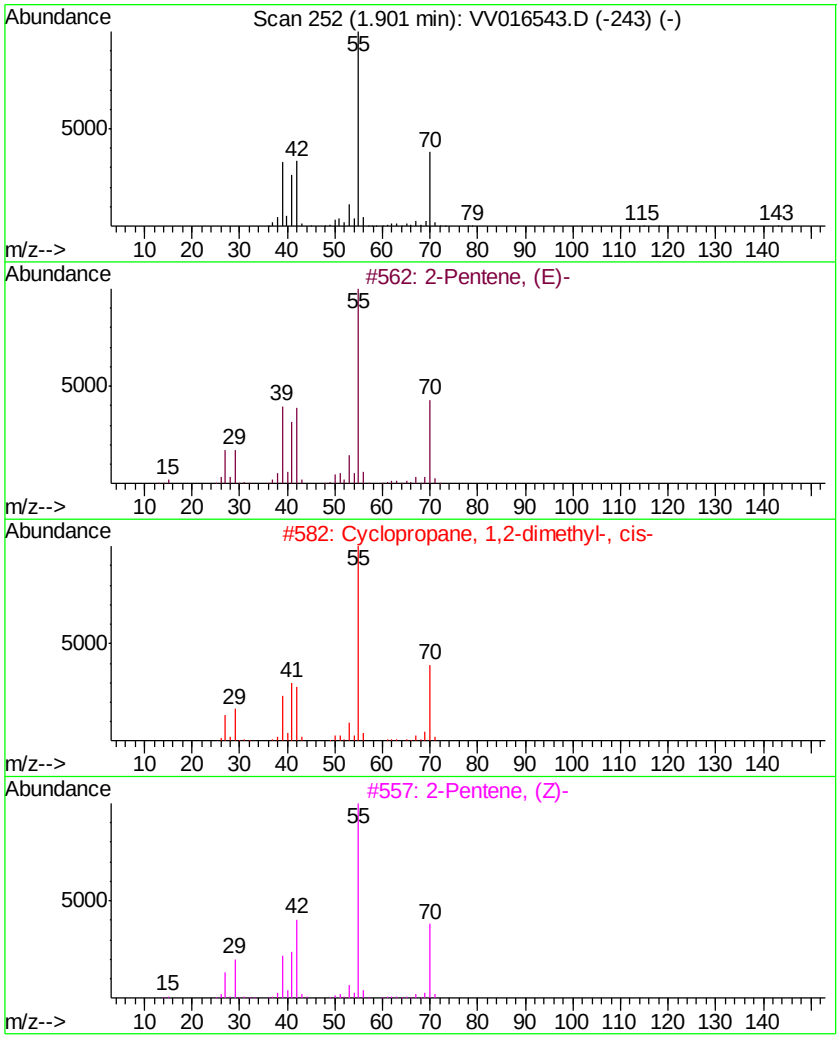
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

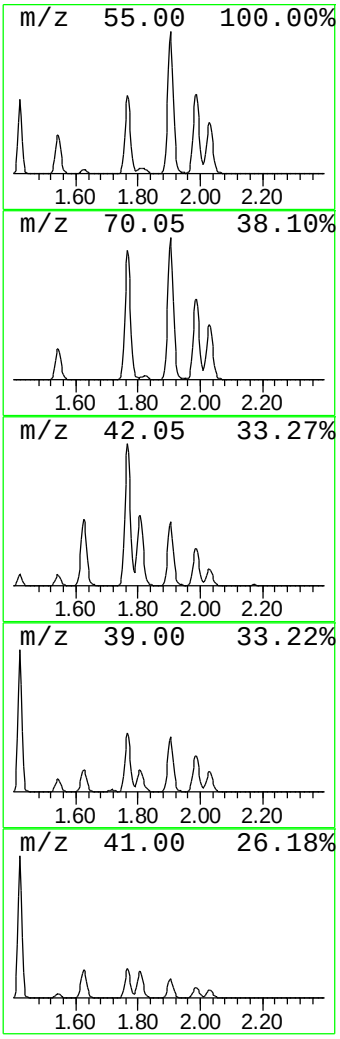
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.90	87.77 ug/L	1719330	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	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	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

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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

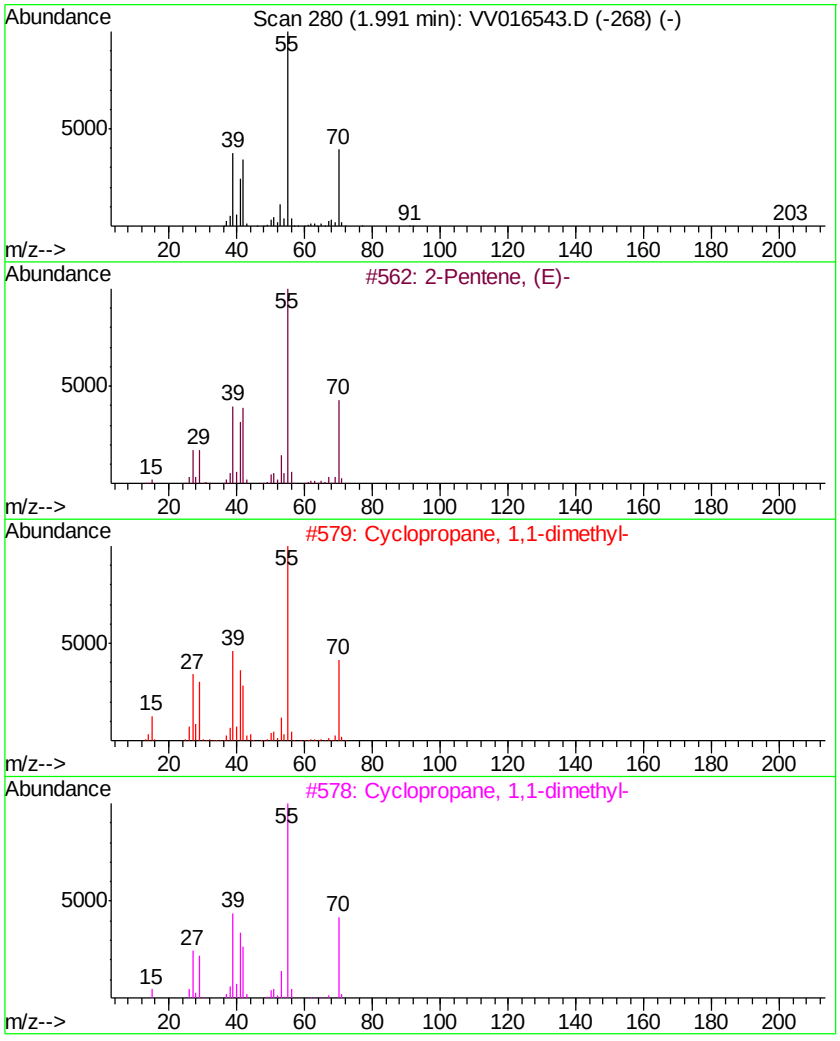
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

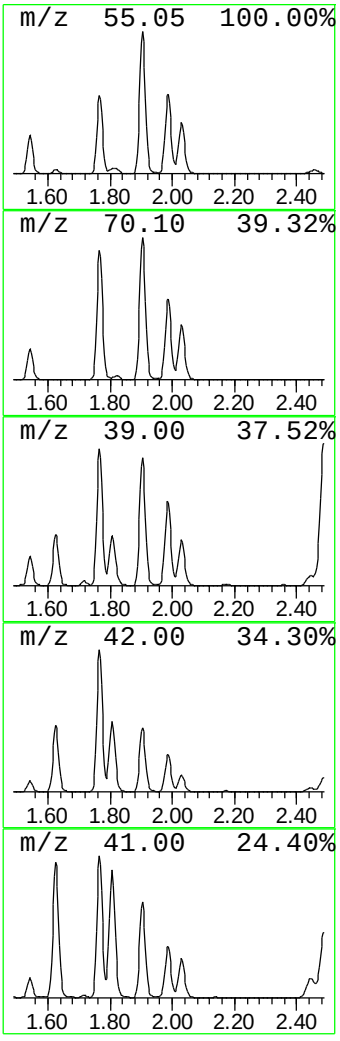
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.99	54.86 ug/L	1074630	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	94
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	90
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	87
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
5	2-Methyl-1-butene	70	C5H10	000563-46-2	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

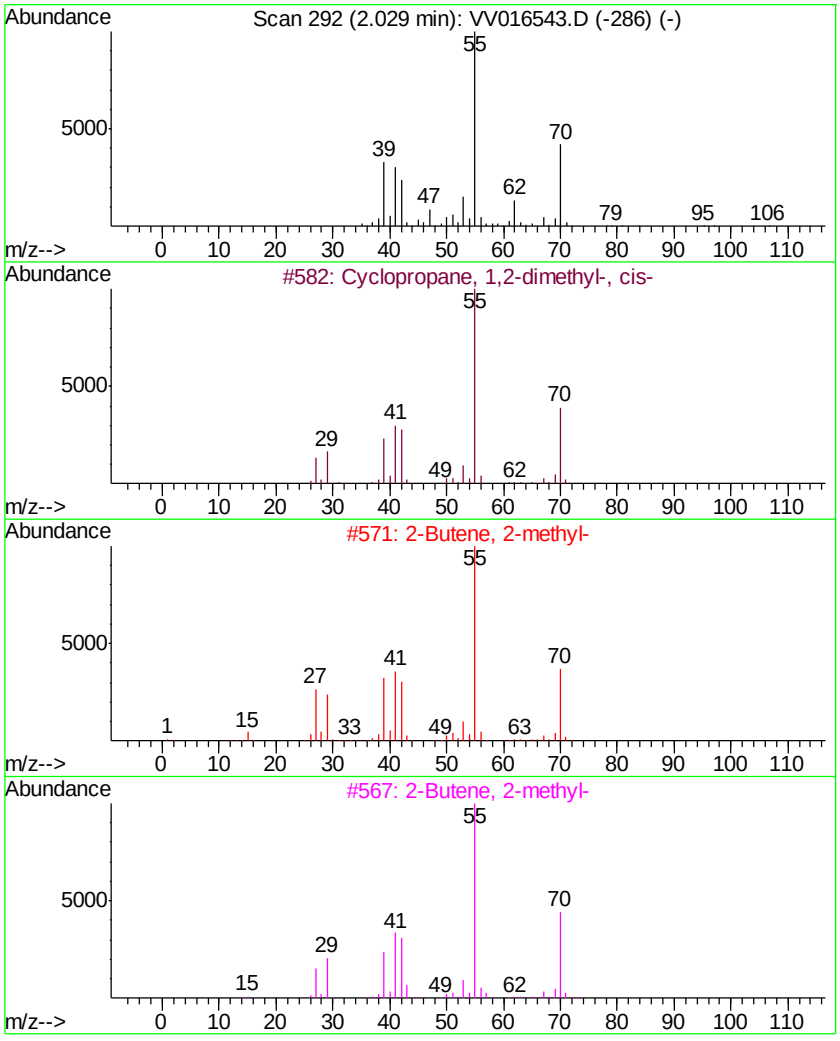
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

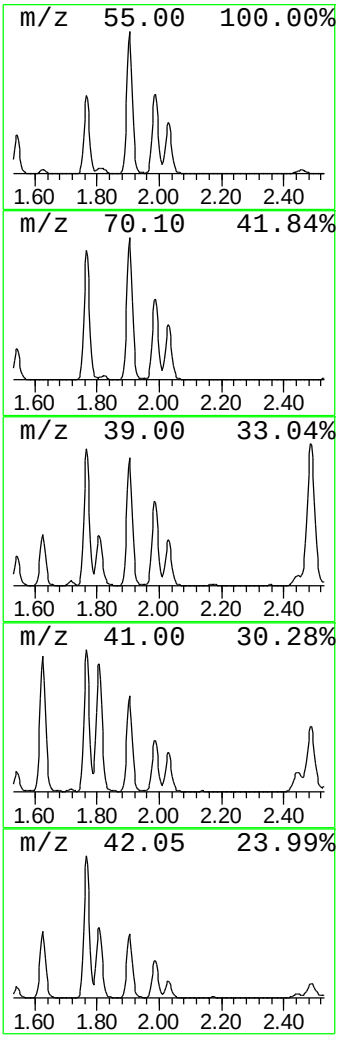
****

Peak Number 9 (DEL) Alkane: Cyclic2.03 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.03	40.30 ug/L	789317	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	64
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	58
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	52
4	2-Pentene, (E)-	70	C5H10	000646-04-8	50
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

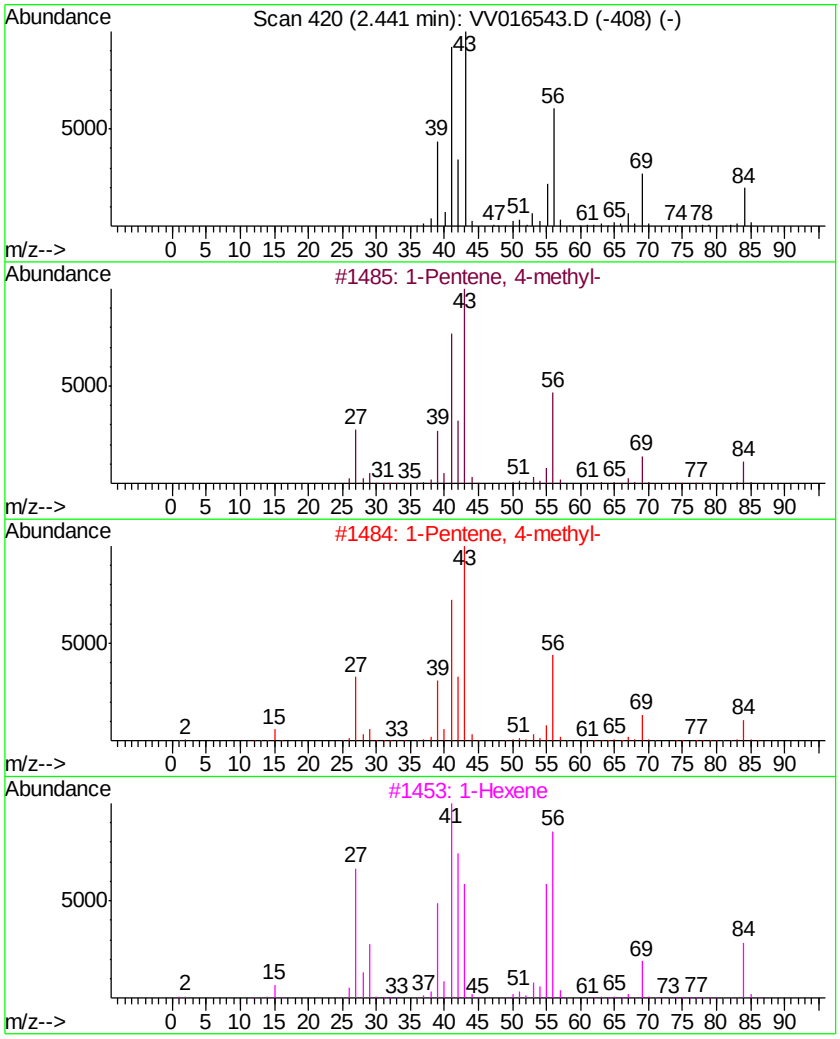
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

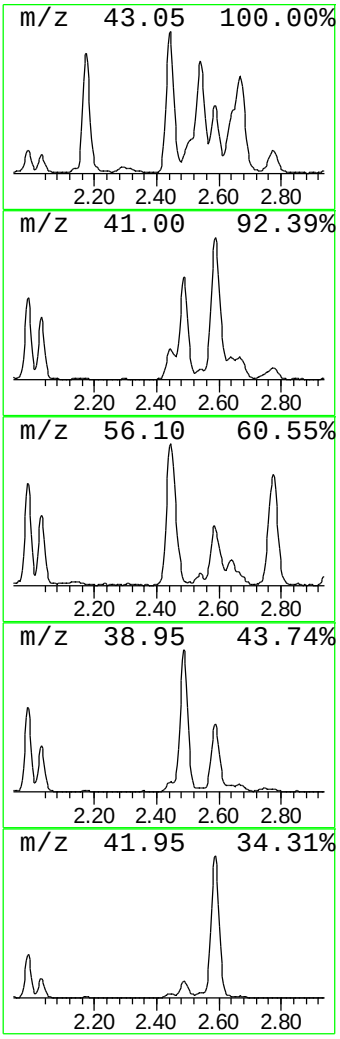
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	9.71 ug/L	190202	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	64
2	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	64
3	1-Hexene	84	C6H12	000592-41-6	64
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	59
5	2-Butene	56	C4H8	000107-01-7	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

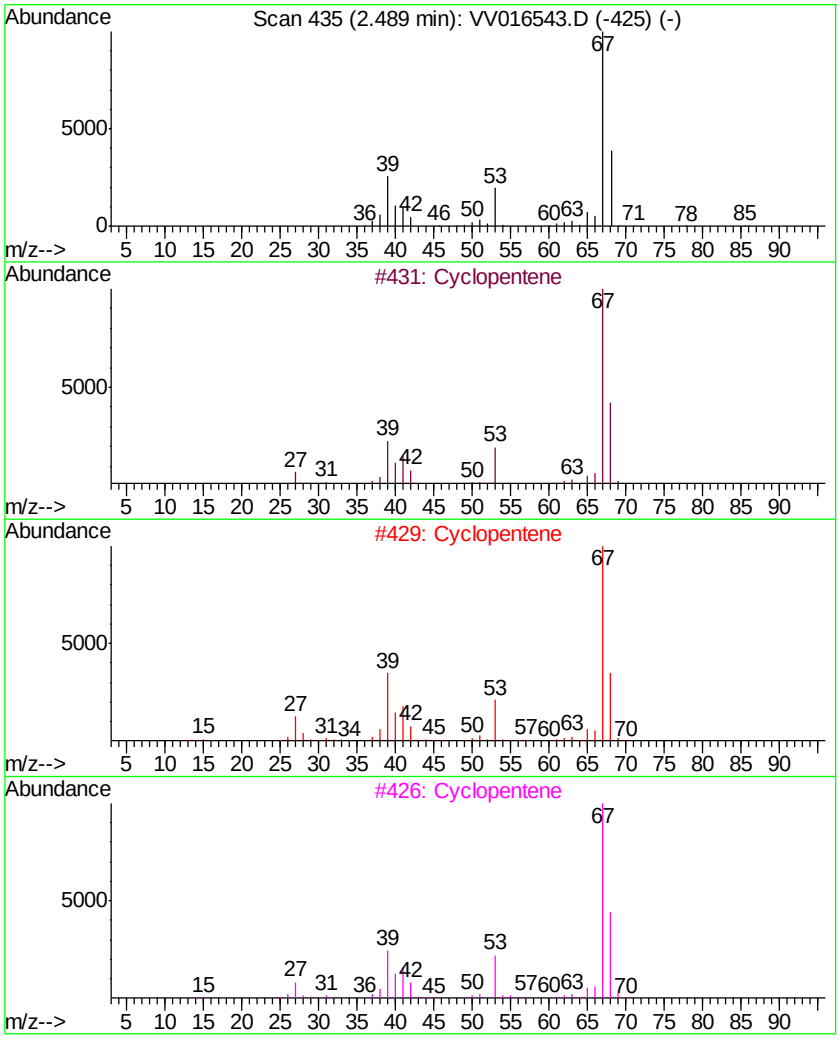
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

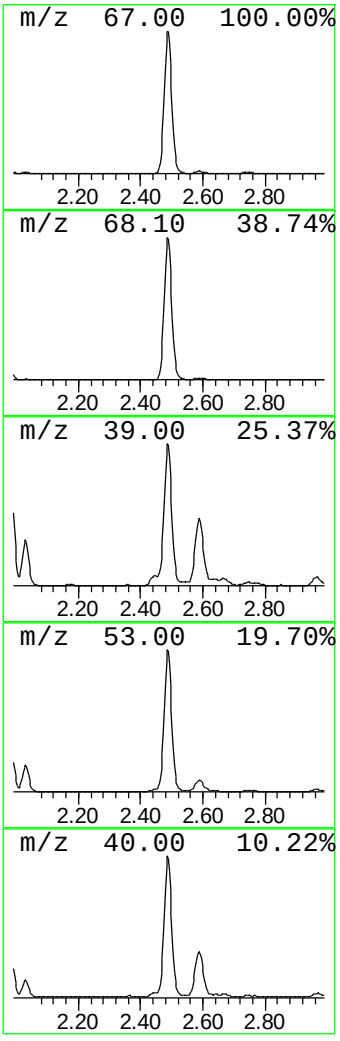
****

Peak Number 11 Cyclopentene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	134.66 ug/L	2637840	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	86
4	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	83
5	1,3-Pentadiene	68	C5H8	000504-60-9	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

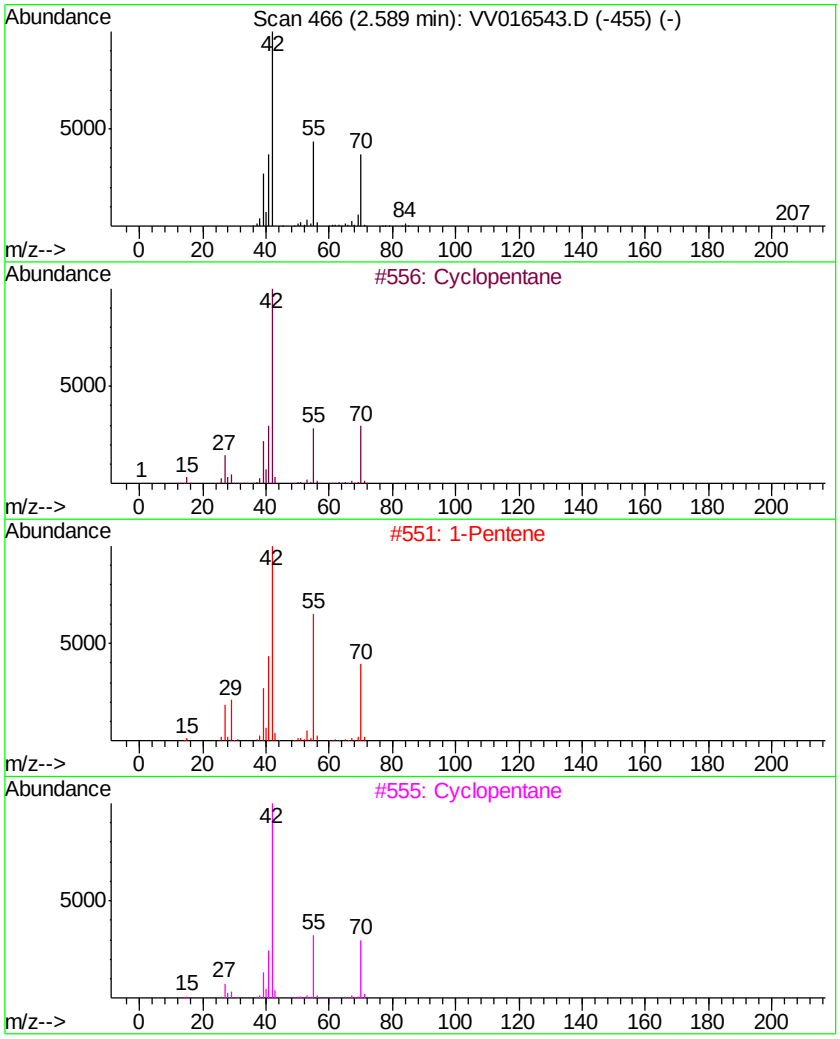
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

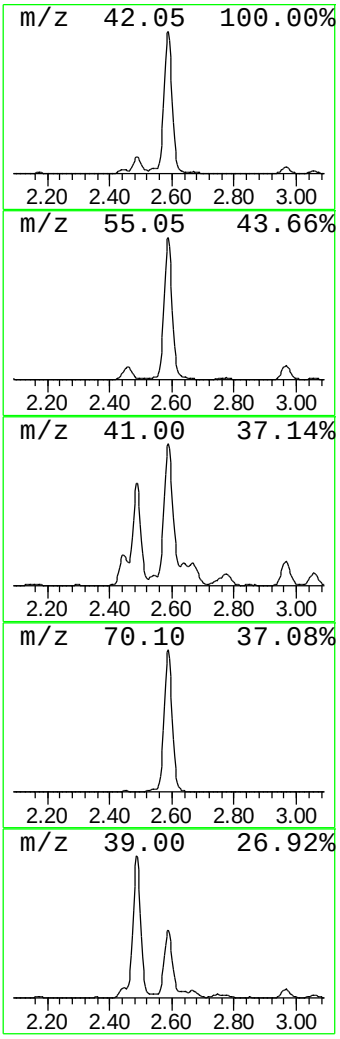
****

Peak Number 12 (DEL) Alkane: Cyclic2.59 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	75.09 ug/L	1470860	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	78
3	Cyclopentane	70	C5H10	000287-92-3	78
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
5	1-Pentene	70	C5H10	000109-67-1	78





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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

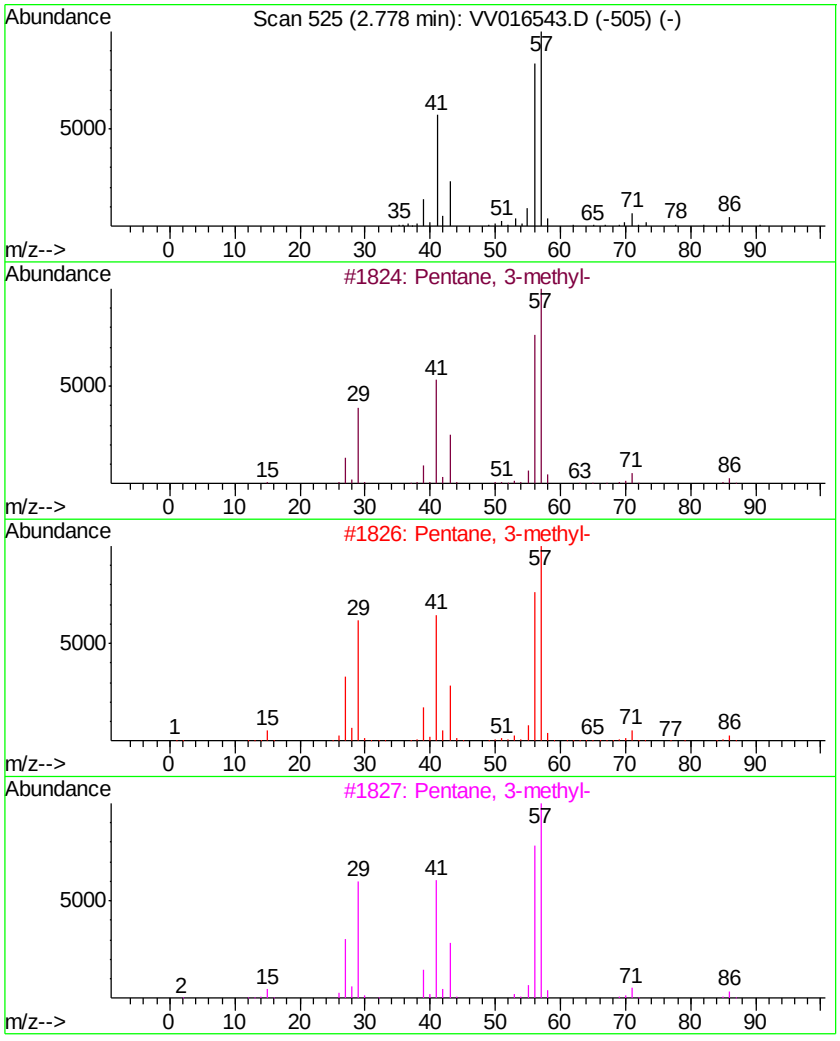
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

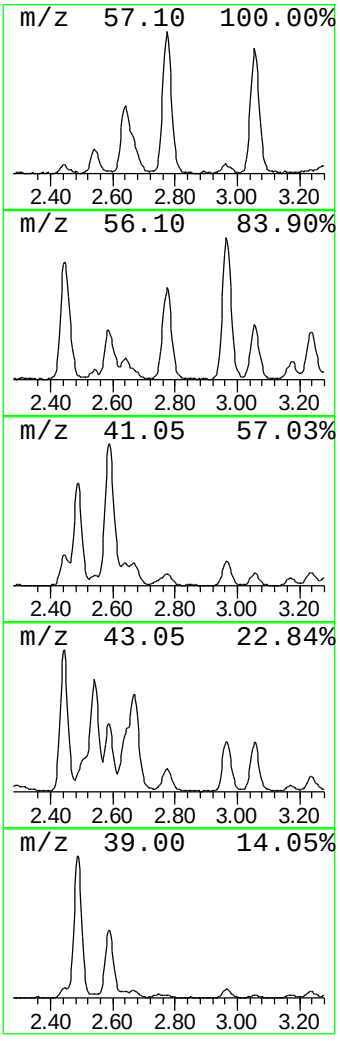
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	7.95 ug/L	155729	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	72
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72





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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

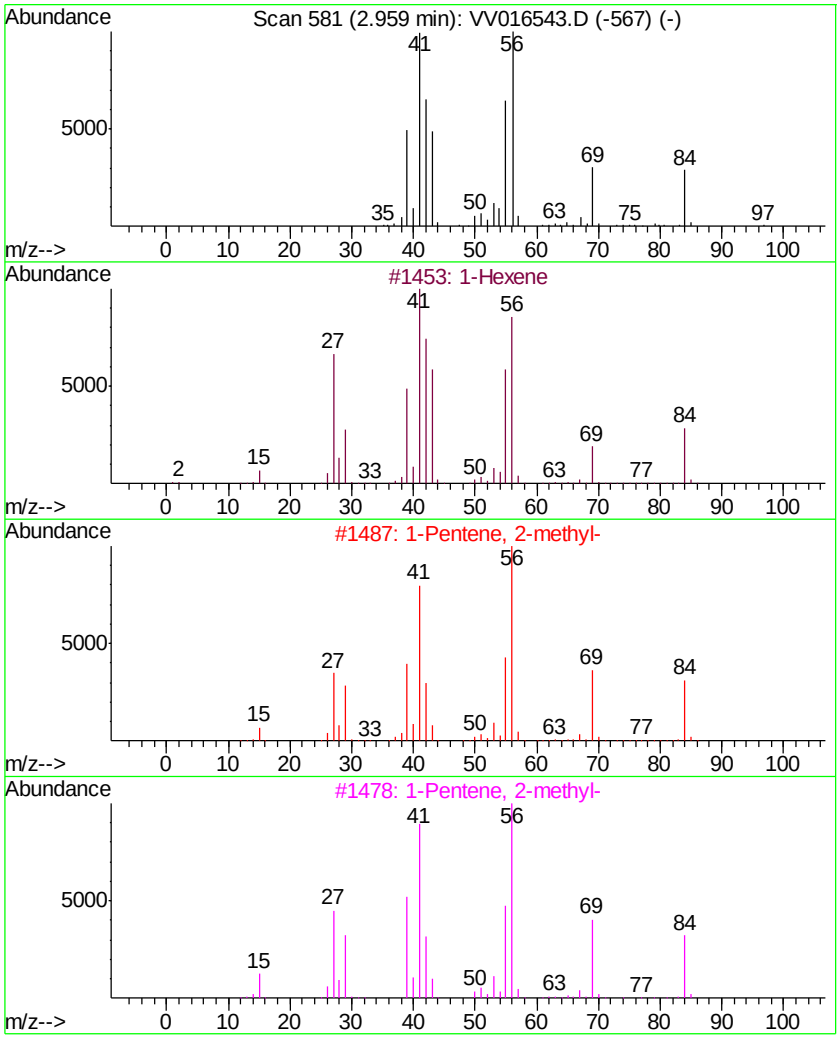
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

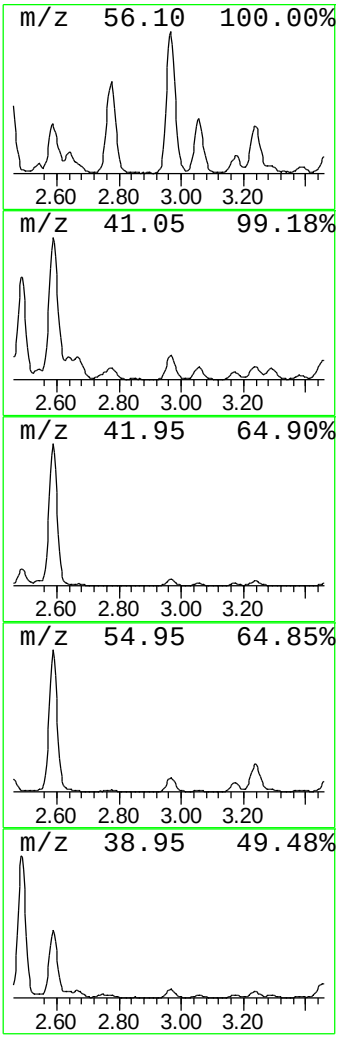
****

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.96	11.38 ug/L	222956	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	95
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	83
4	1-Hexene	84	C6H12	000592-41-6	81
5	3-Hexene, (E)-	84	C6H12	013269-52-8	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

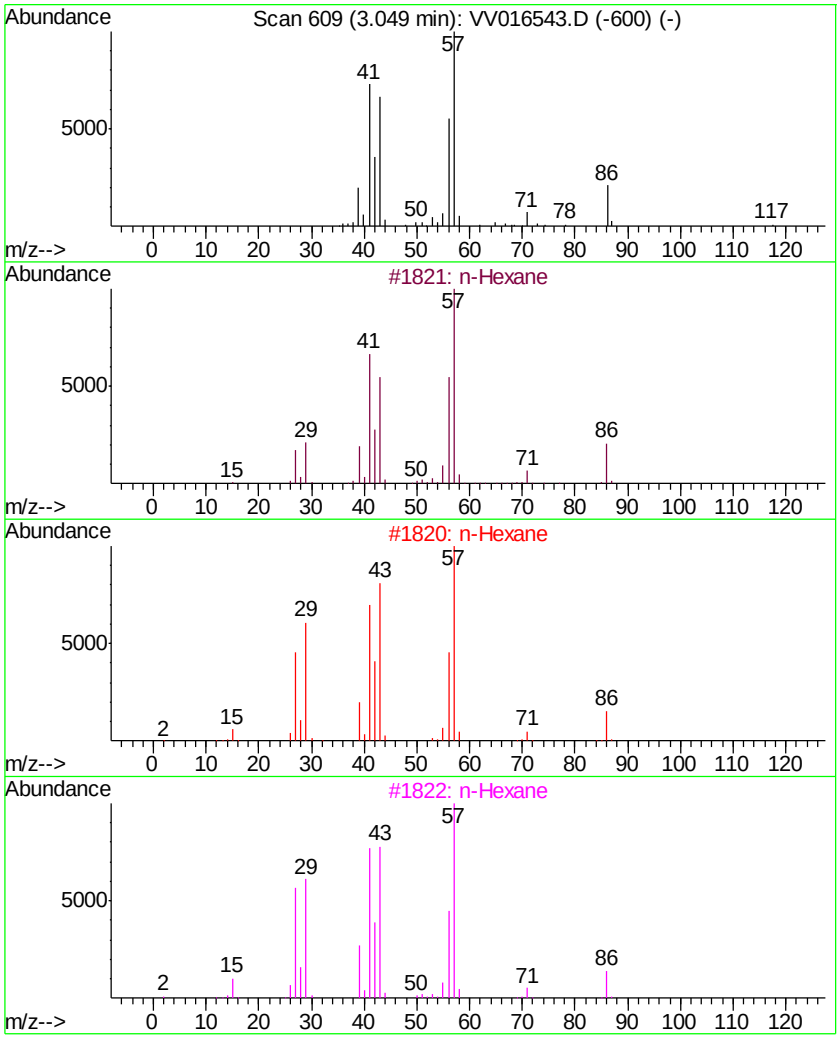
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

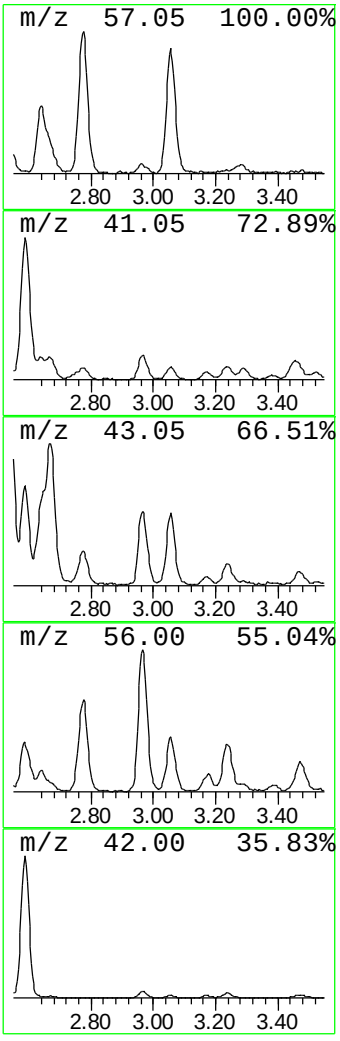
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	5.67 ug/L	111115	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	93
2	n-Hexane	86	C6H14	000110-54-3	87
3	n-Hexane	86	C6H14	000110-54-3	64
4	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	43
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

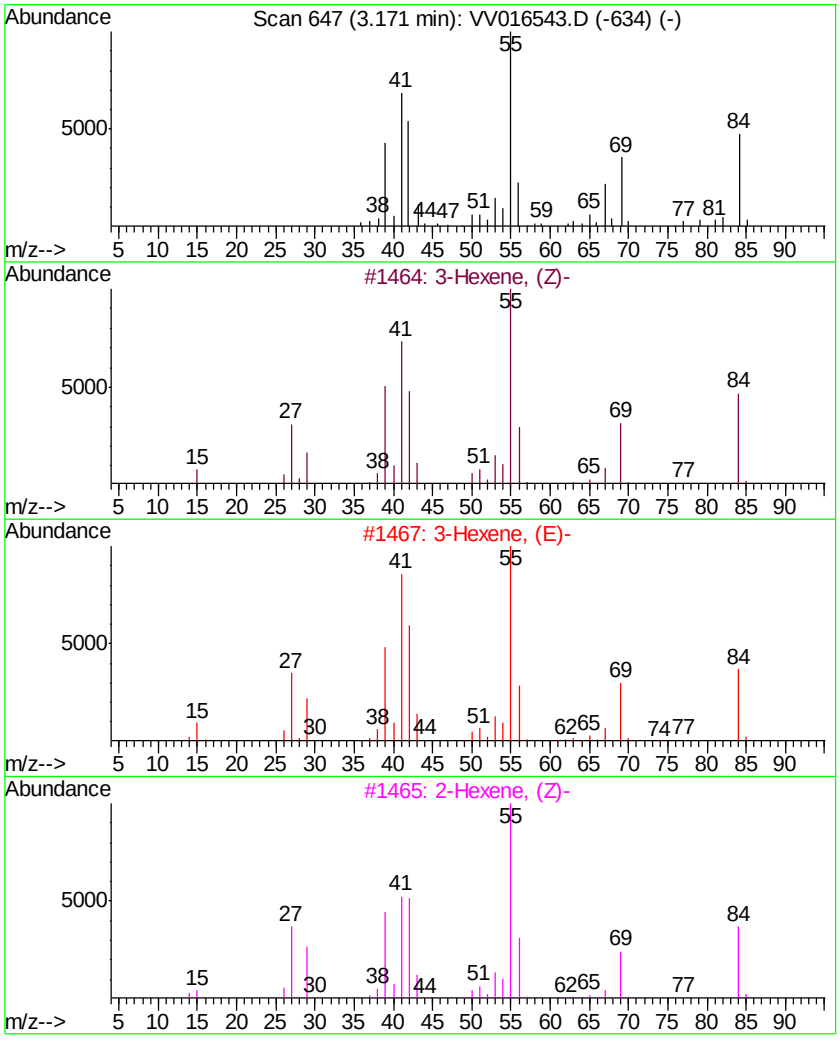
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

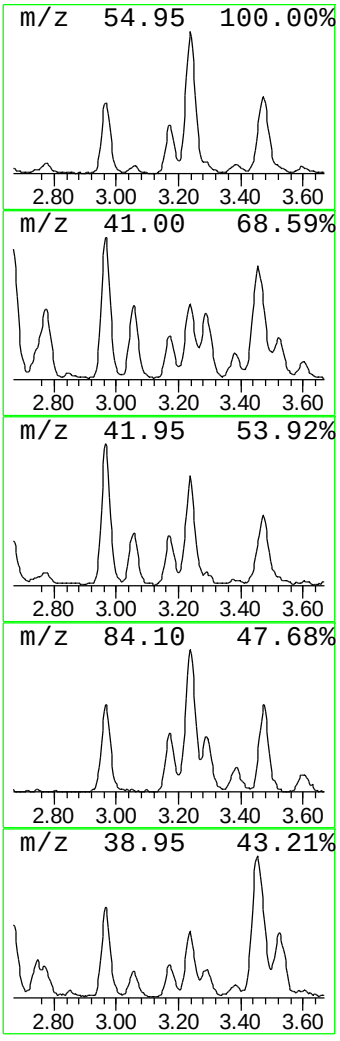
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	4.45 ug/L	87208	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, (Z)-	84	C6H12	007642-09-3	81
2	3-Hexene, (E)-	84	C6H12	013269-52-8	74
3	2-Hexene, (Z)-	84	C6H12	007688-21-3	74
4	3-Hexene	84	C6H12	000592-47-2	70
5	3-Hexene, (E)-	84	C6H12	013269-52-8	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

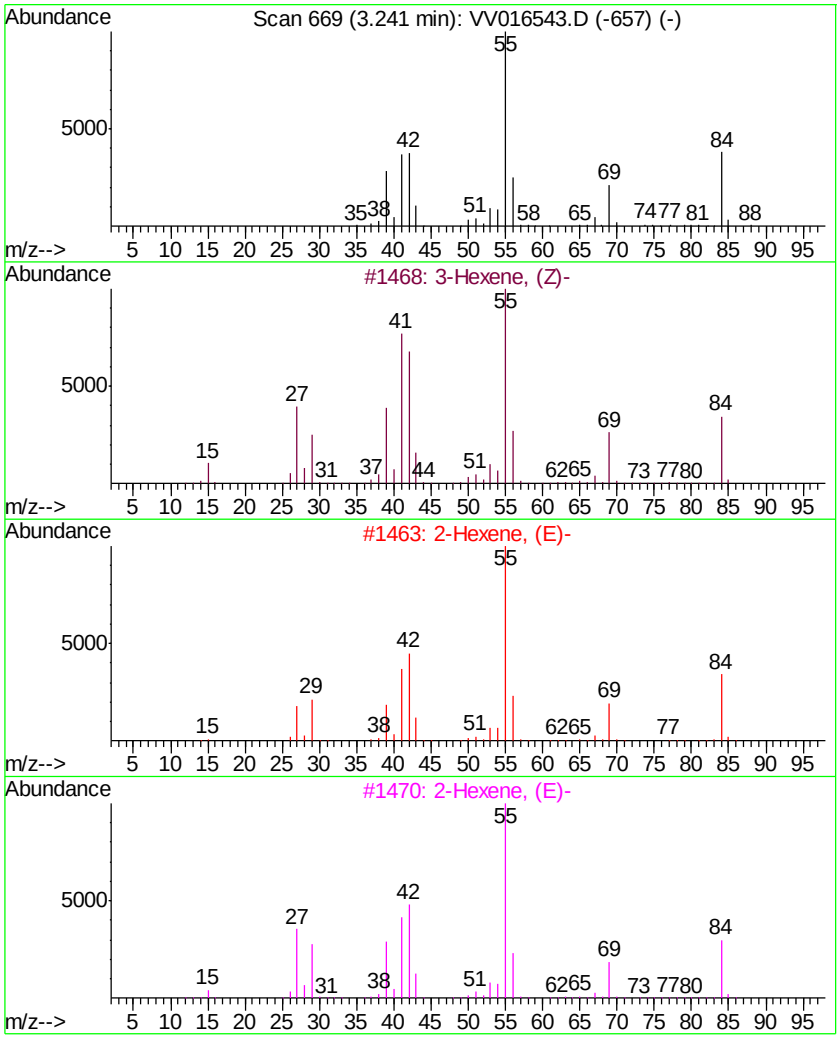
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

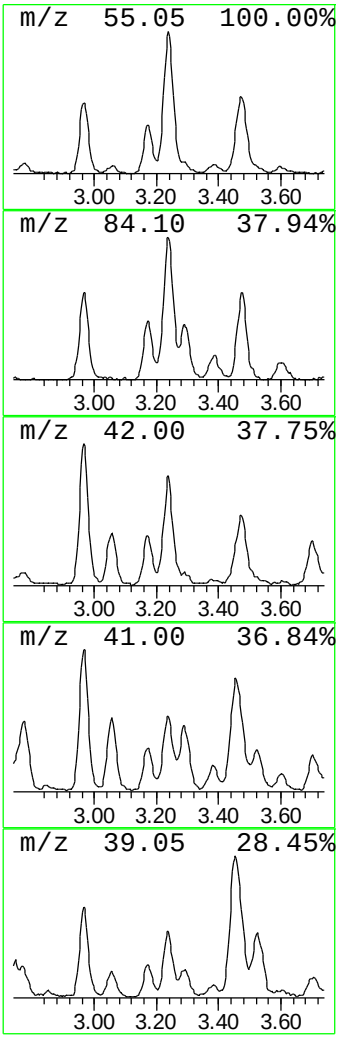
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	10.56 ug/L	206757	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, (E)-	84	C6H12	004050-45-7	91
4	2-Hexene, (Z)-	84	C6H12	007688-21-3	91
5	2-Hexene, (Z)-	84	C6H12	007688-21-3	87





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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

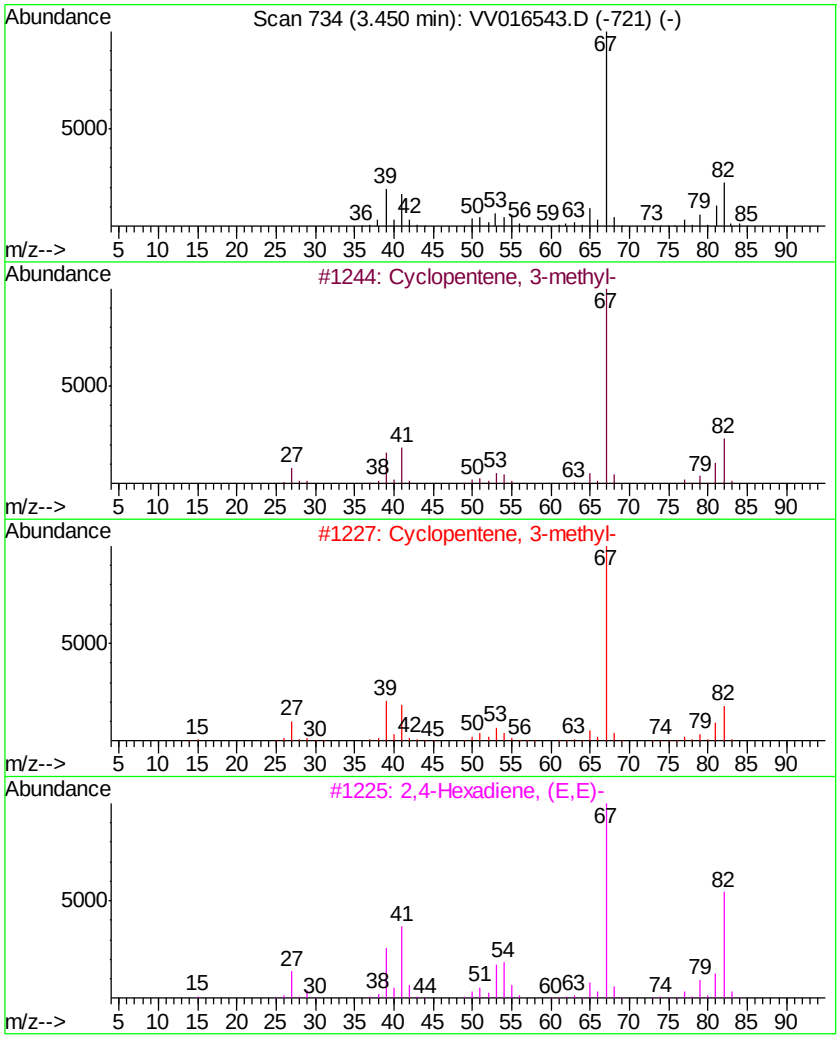
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

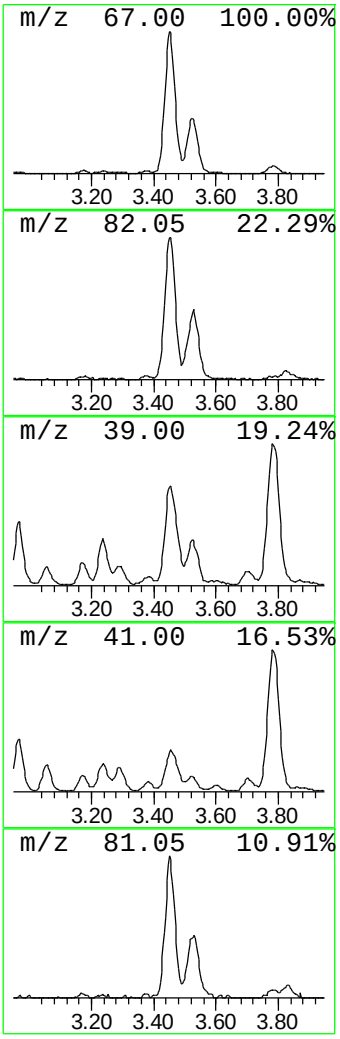
****

Peak Number 18 Cyclopentene, 3-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.45	28.27 ug/L	553696	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	91
3	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	90
4	2,4-Hexadiene	82	C6H10	000592-46-1	90
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90





Library Search Compound Report

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Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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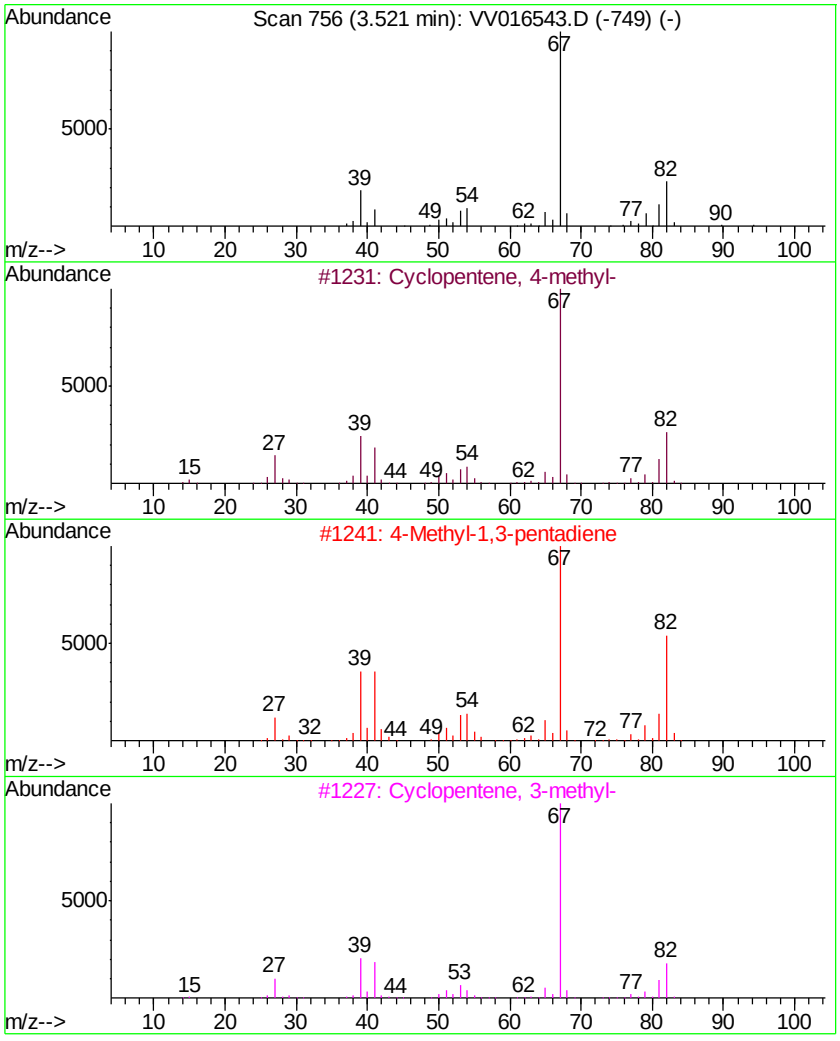
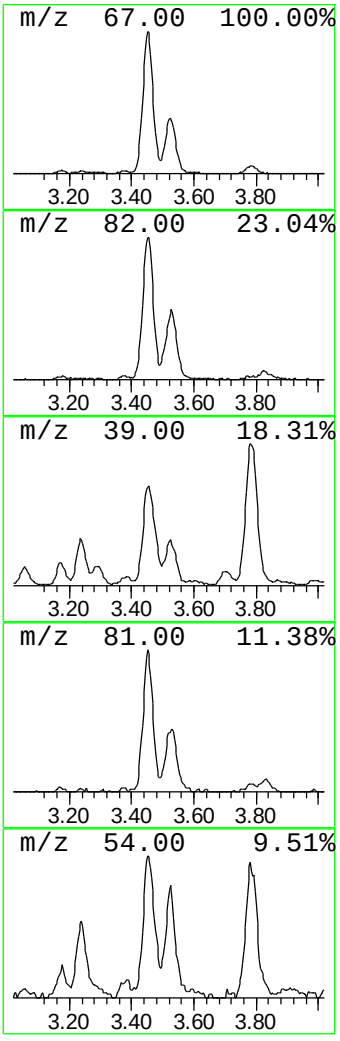
Peak Number 19 Cyclopentene, 4-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.52	10.36 ug/L	203011	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	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	90
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
5	Isopropenylcyclopropane	82	C6H10	004663-22-3	90





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Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

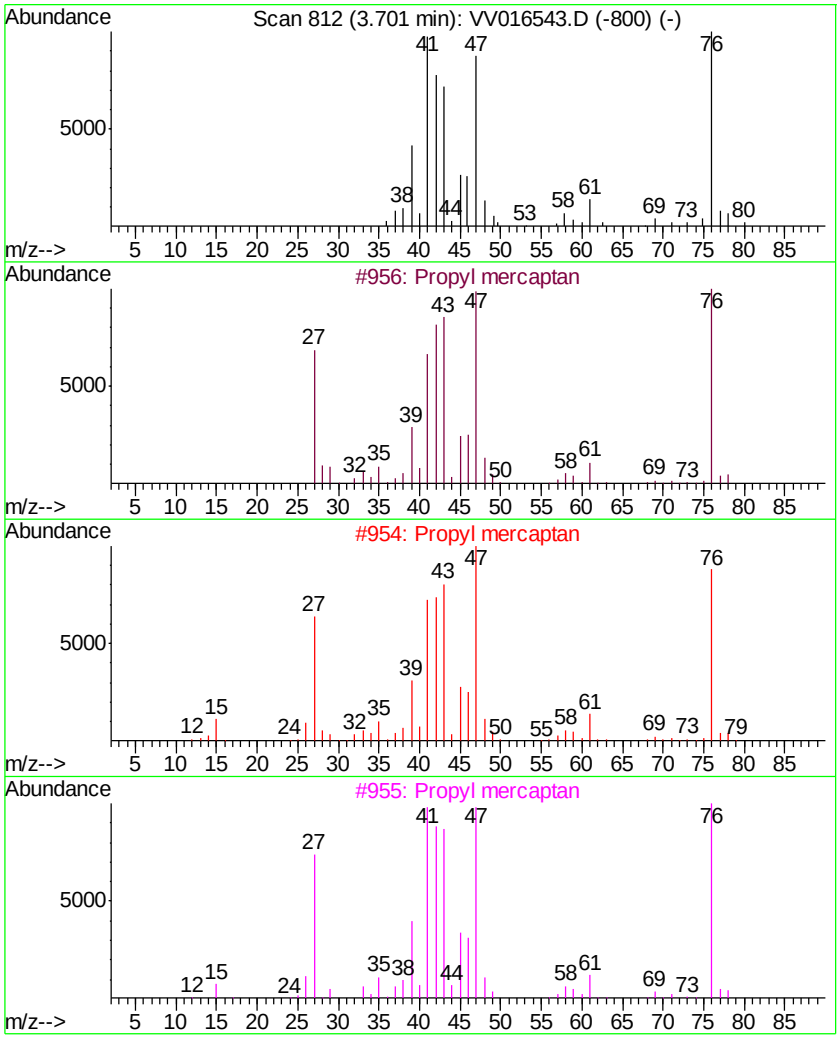
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

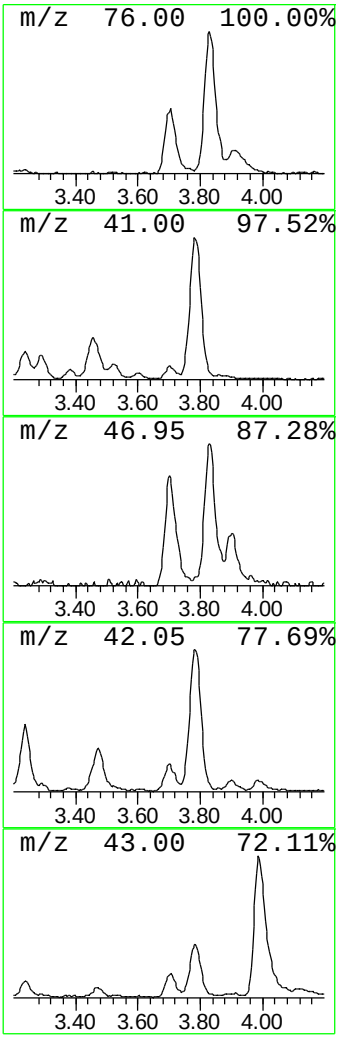
****

Peak Number 20 Propyl mercaptan Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.70	3.82 ug/L	74738	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	95
3	Propyl mercaptan	76	C3H8S	000107-03-9	94
4	Propyl mercaptan	76	C3H8S	000107-03-9	90
5	Propyl mercaptan	76	C3H8S	000107-03-9	83





Library Search Compound Report

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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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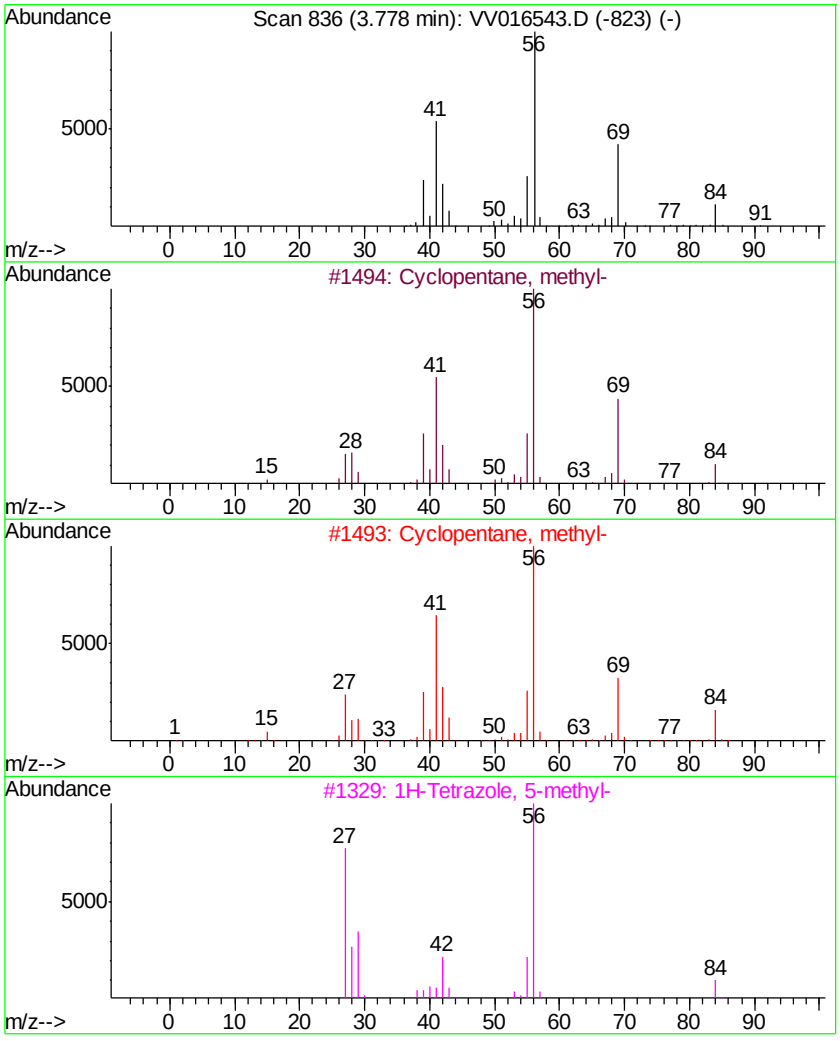
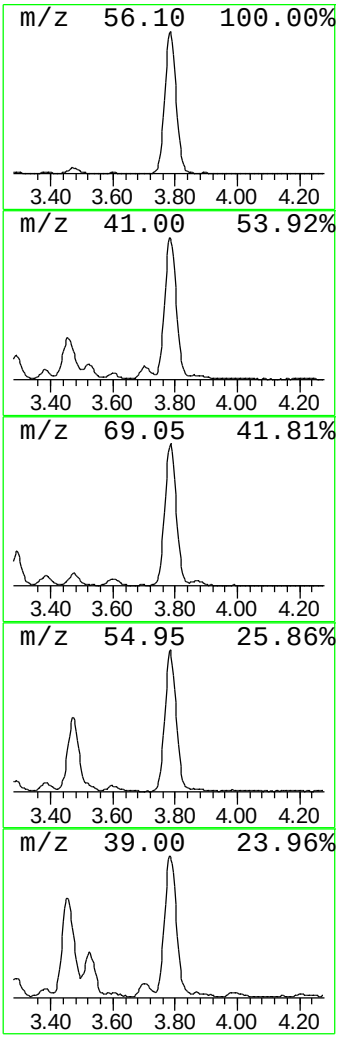
Peak Number 21 (DEL) Alkane: Cyclic3.78 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	50.65 ug/L	992122	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	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	80
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	72





Library Search Compound Report

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Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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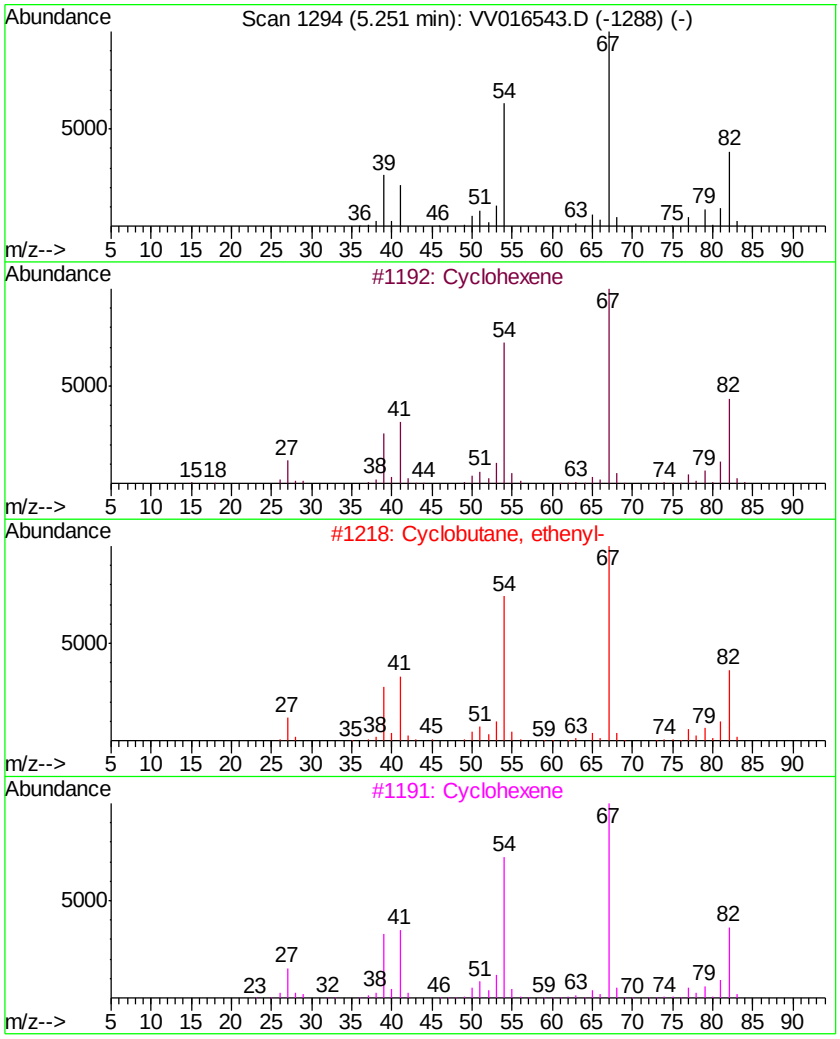
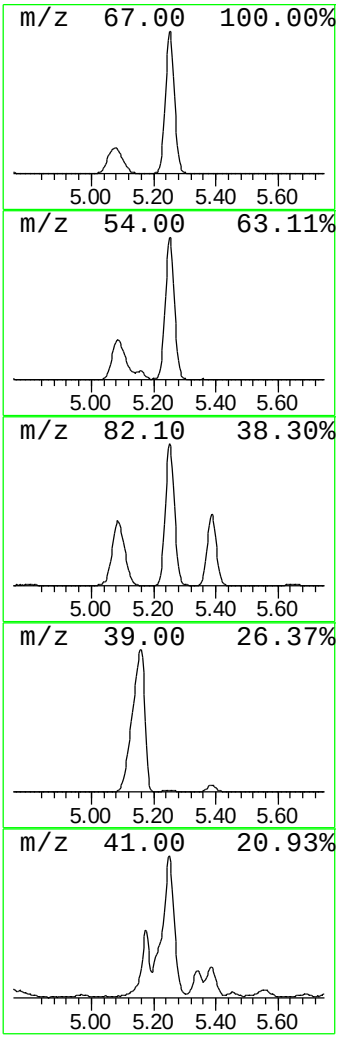
Peak Number 22 Cyclohexene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.25	62.38 ug/L	1221860	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene	82	C6H10	000110-83-8	91
2	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	91
3	Cyclohexene	82	C6H10	000110-83-8	91
4	Ethylidenecyclobutane	82	C6H10	001528-21-8	87
5	Cyclopentane, methylene-	82	C6H10	001528-30-9	72





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Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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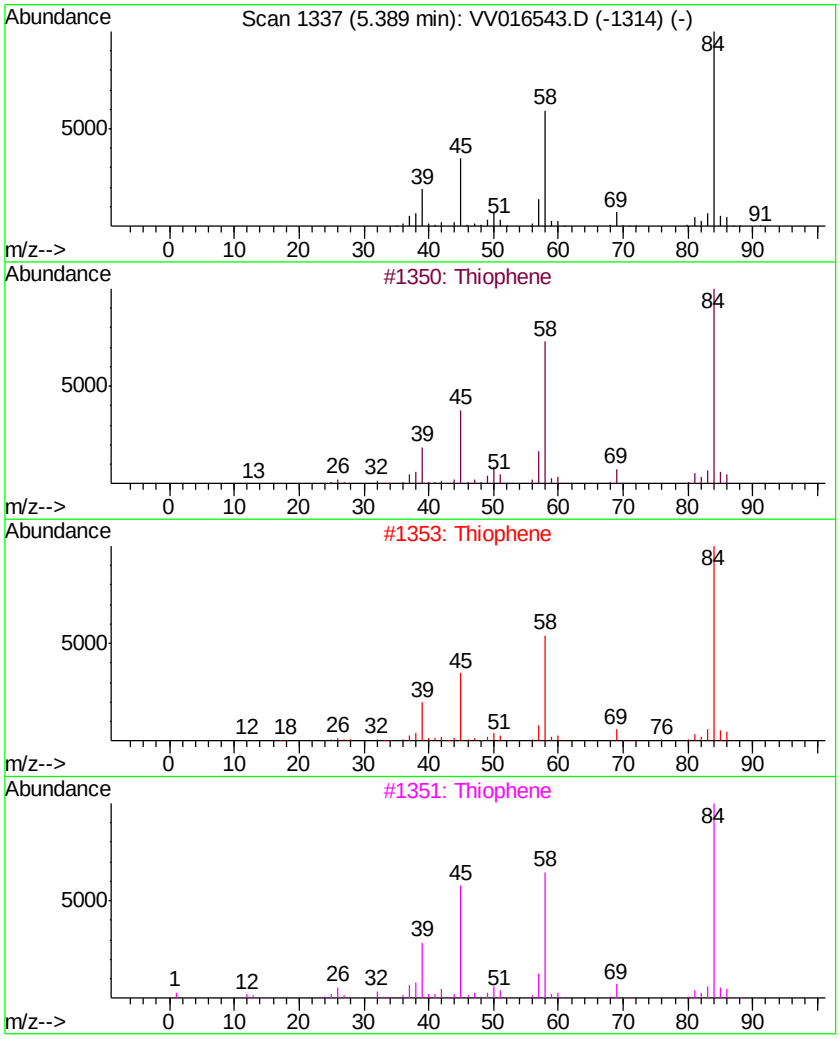
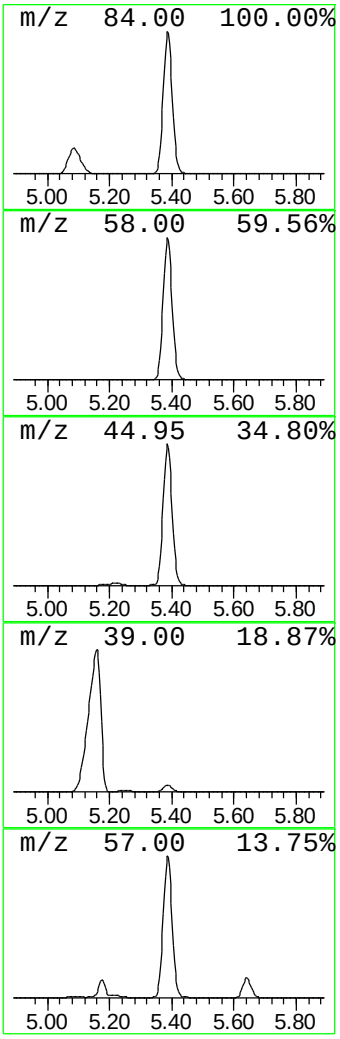
Peak Number 23 Thiophene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.39	326.67 ug/L	6398980	1,4-Difluorobenzene	5.64

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





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Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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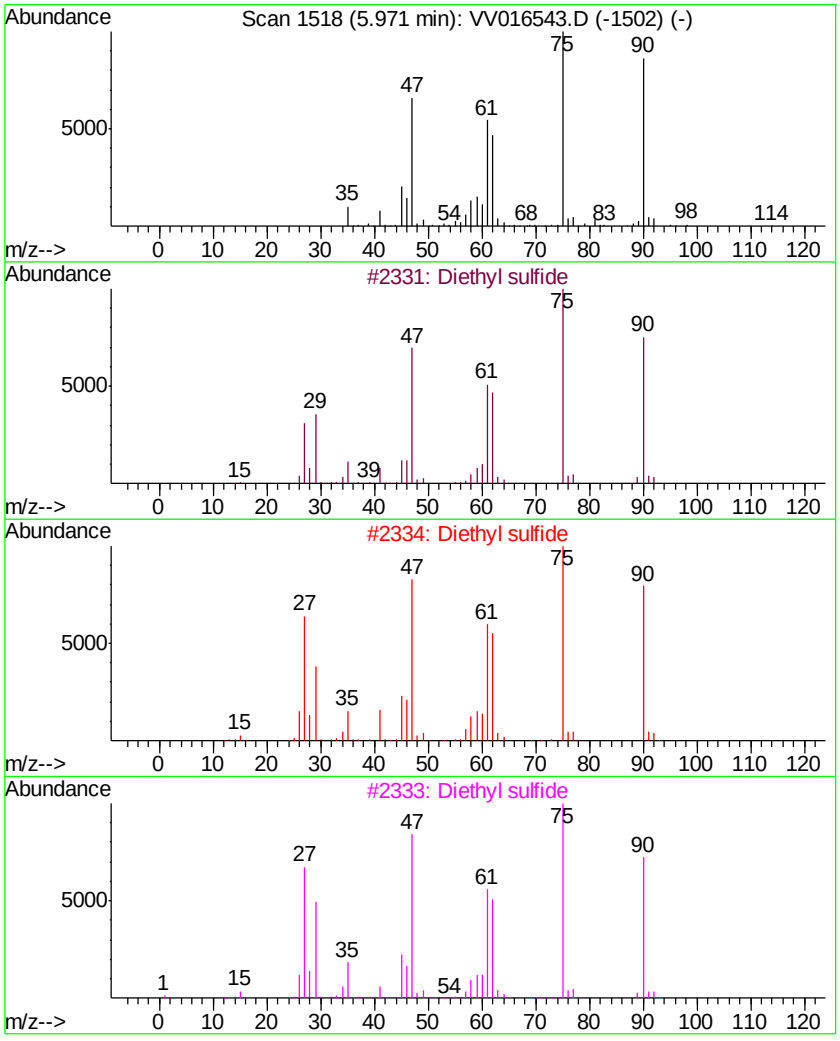
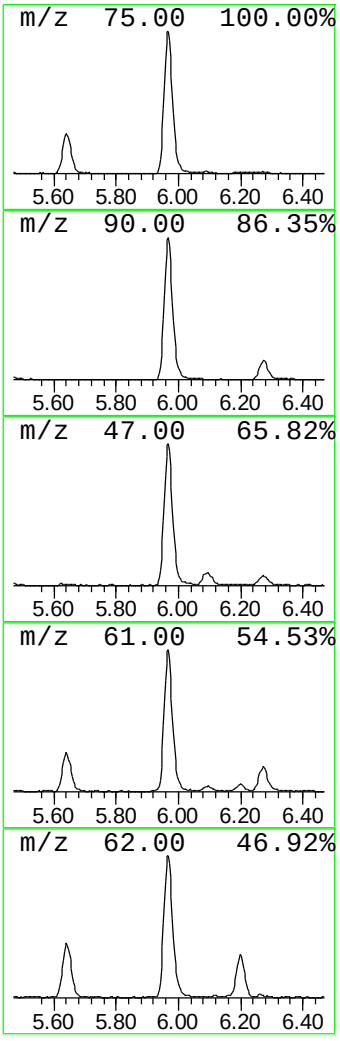
Peak Number 24 Diethyl sulfide Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	21.28 ug/L	416848	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	95
3	Diethyl sulfide	90	C4H10S	000352-93-2	91
4	Diethyl sulfide	90	C4H10S	000352-93-2	91
5	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	37





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Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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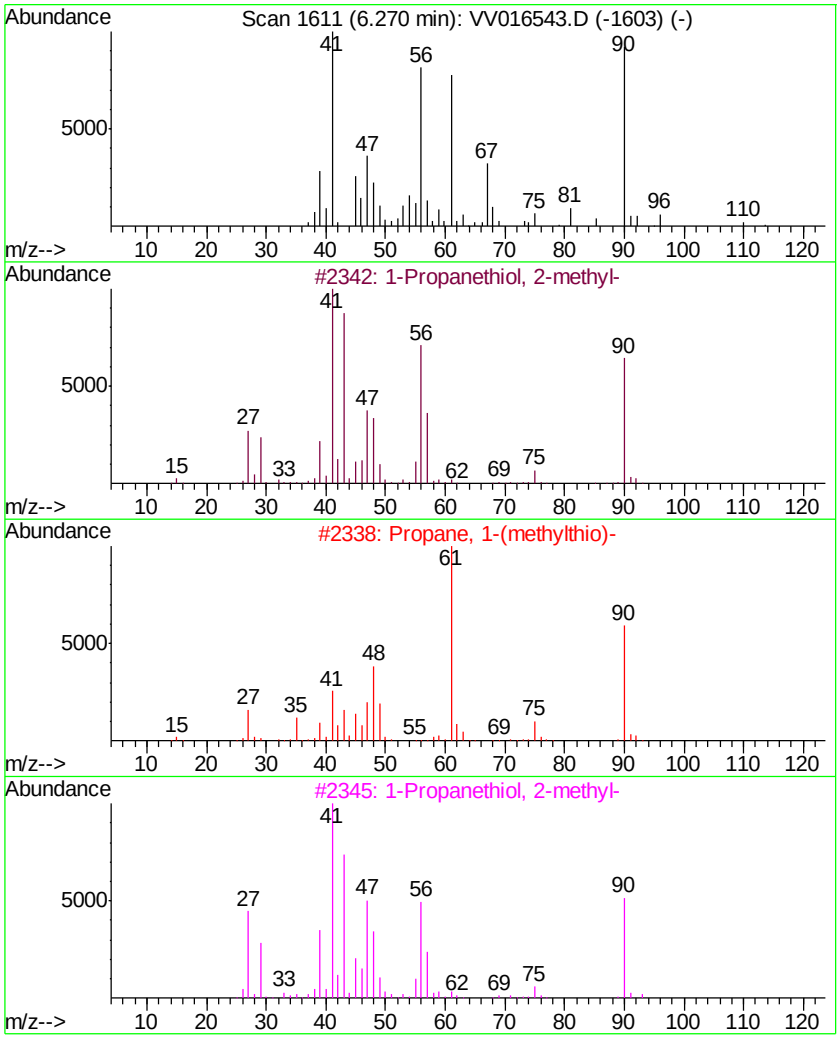
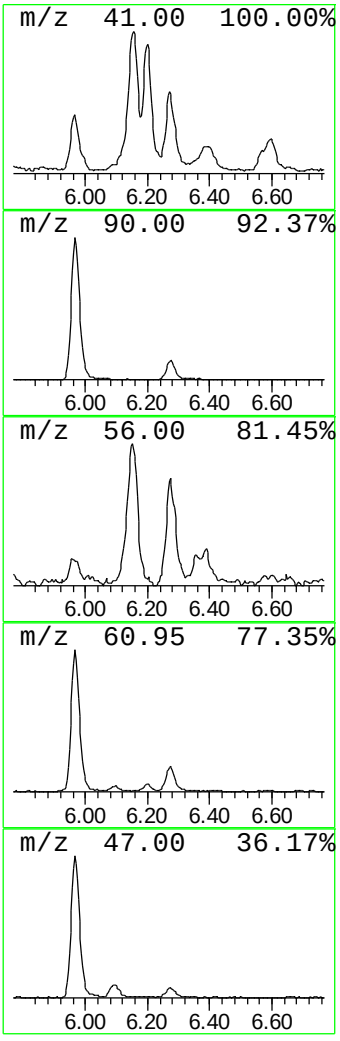
Peak Number 25 1-Propanethiol, 2-methyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	4.64 ug/L	90818	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanethiol, 2-methyl-	90	C4H10S	000513-44-0	72
2	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	59
3	1-Propanethiol, 2-methyl-	90	C4H10S	000513-44-0	59
4	1-Butanethiol	90	C4H10S	000109-79-5	50
5	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	45





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Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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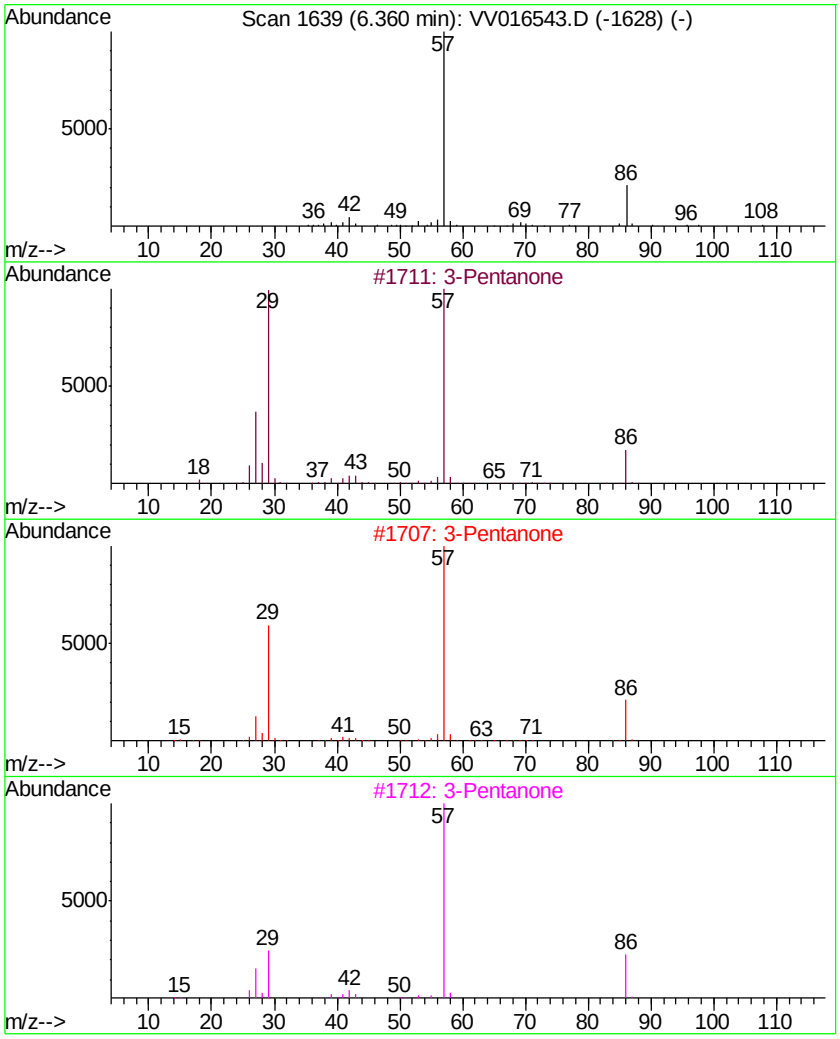
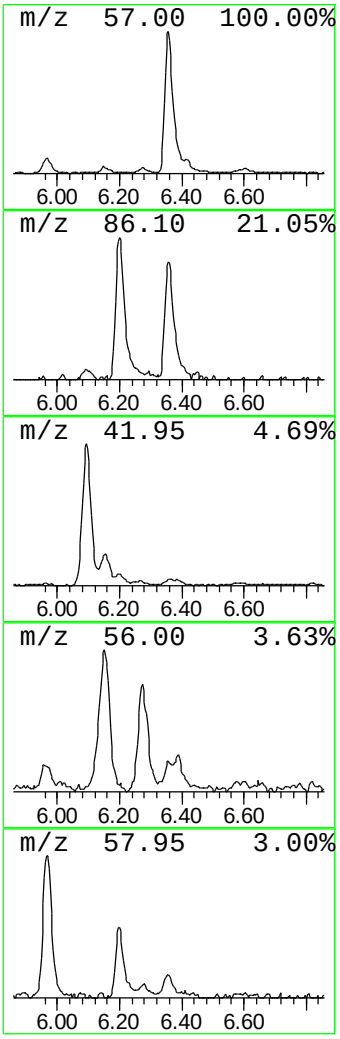
Peak Number 26 3-Pentanone Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	4.82 ug/L	94396	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone	86	C5H10O	000096-22-0	64
2	3-Pentanone	86	C5H10O	000096-22-0	59
3	3-Pentanone	86	C5H10O	000096-22-0	53
4	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	50
5	Propane, 2-bromo-2-methyl-	136	C4H9Br	000507-19-7	9





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Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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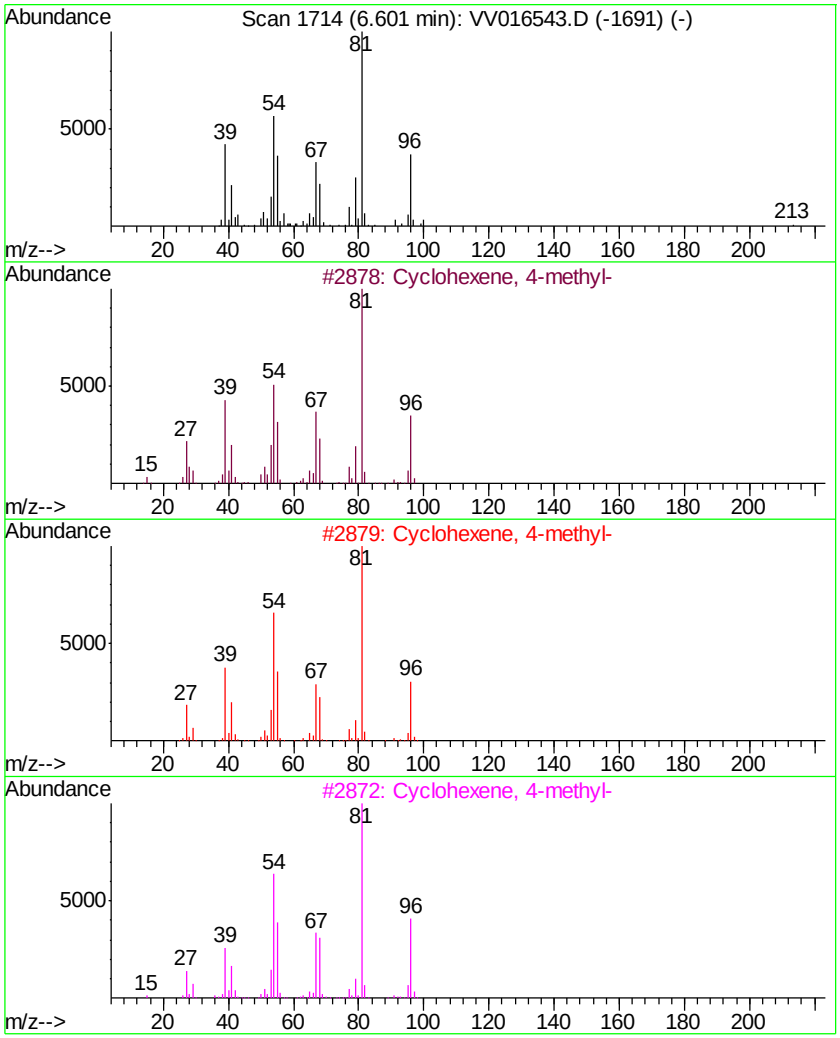
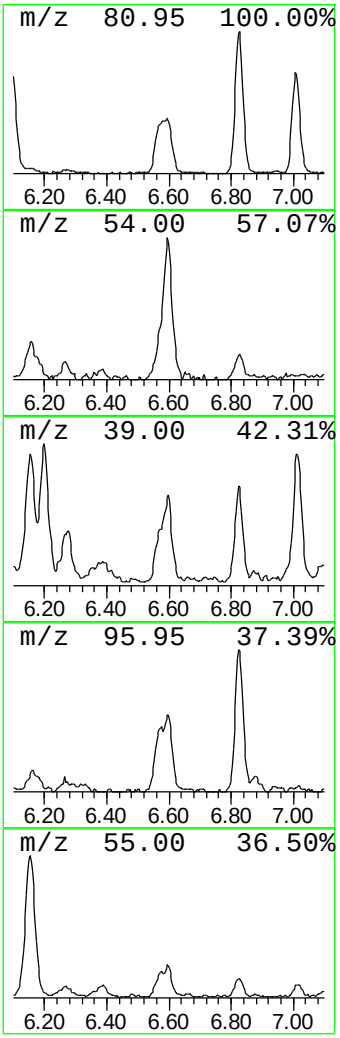
Peak Number 27 Cyclohexene, 4-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	8.44 ug/L	165345	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	97
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	93
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	76
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	60
5	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	55





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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

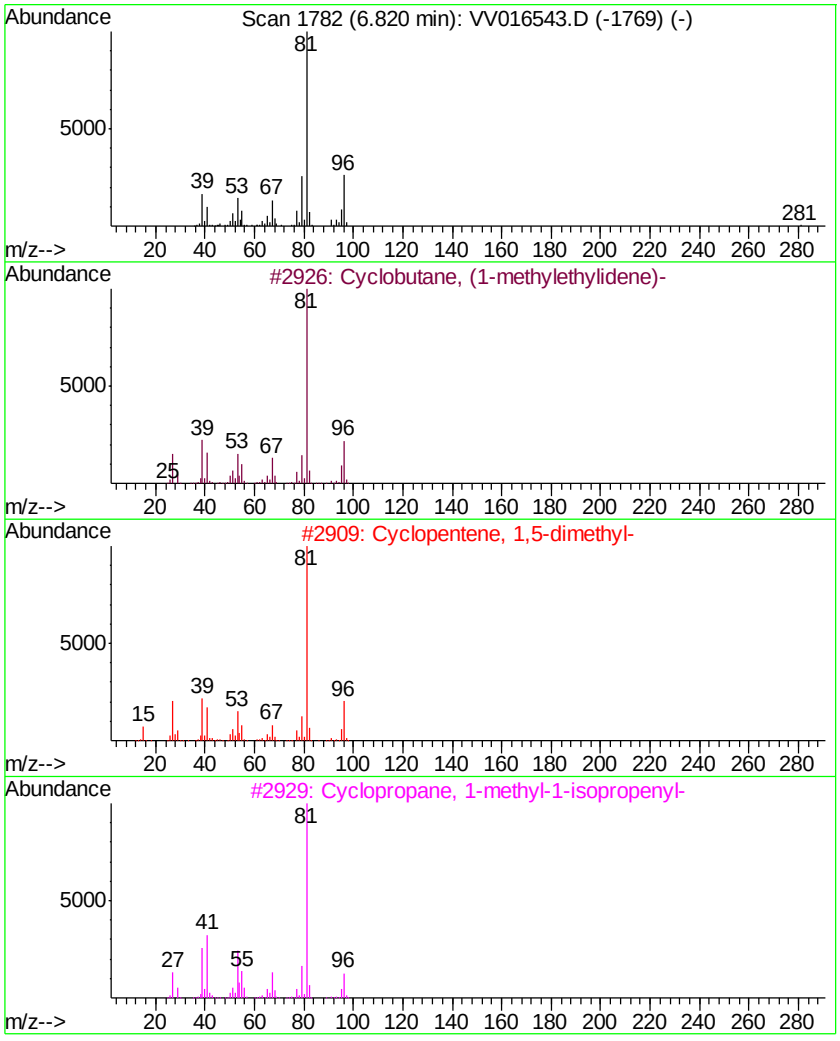
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

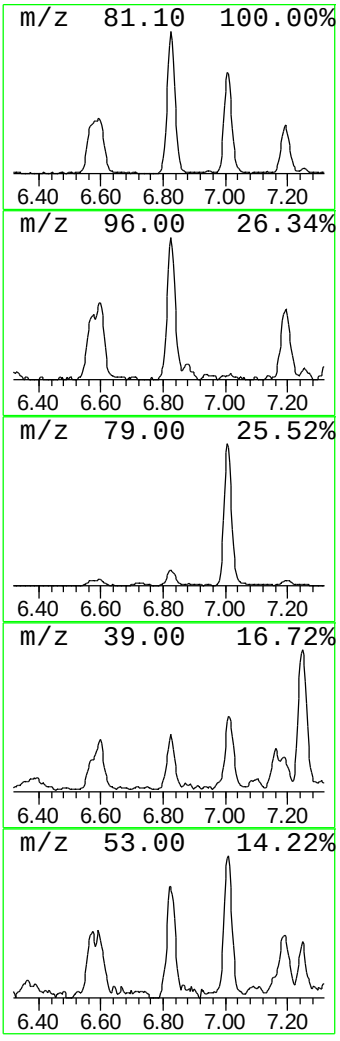
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Cyclobutane, (1-methylethyl... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	7.41 ug/L	145163	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	90
3	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	78
4	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

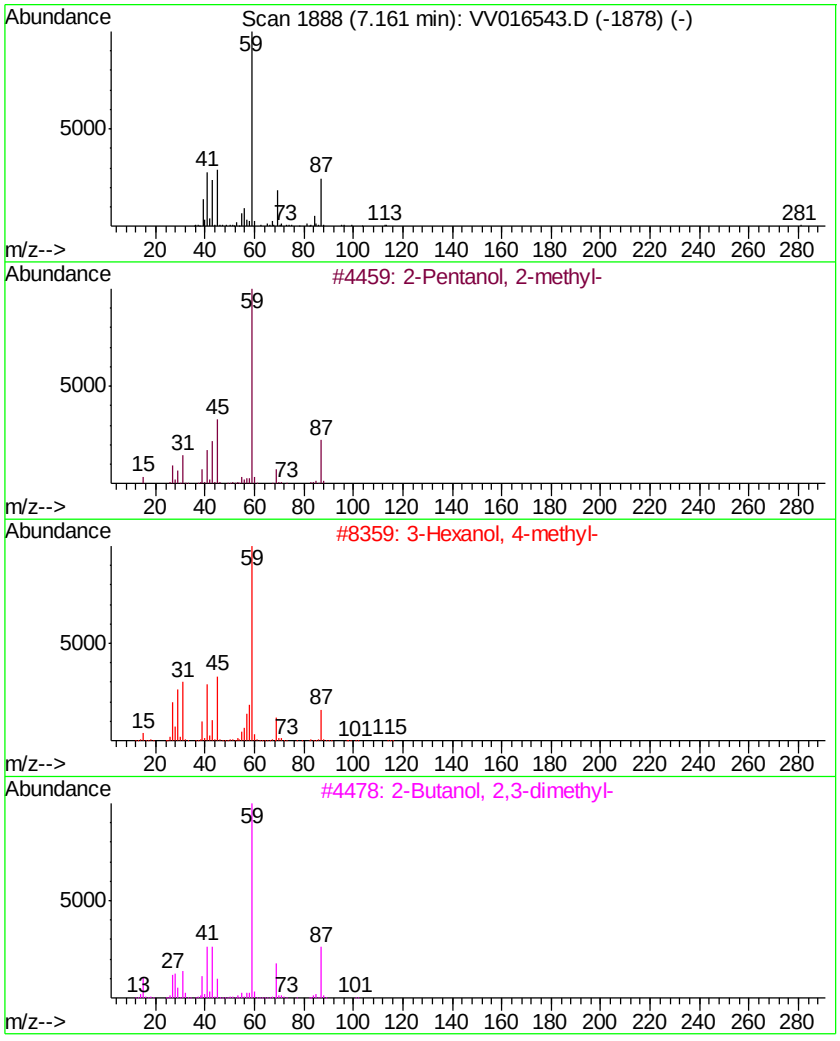
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

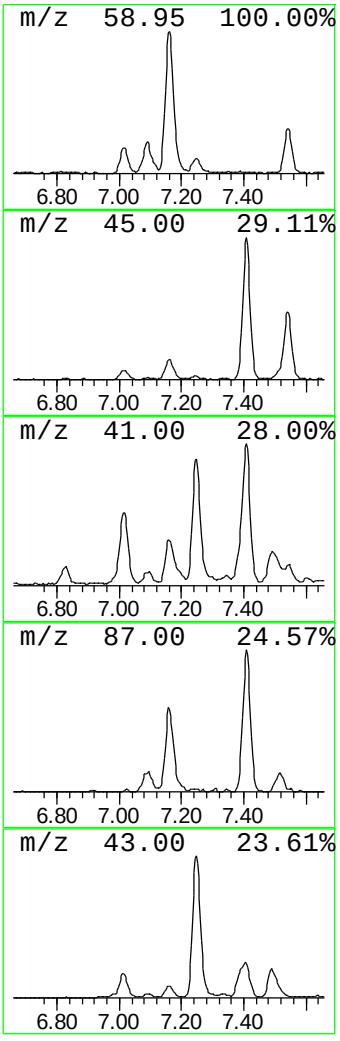
****

Peak Number 30 2-Pentanol, 2-methyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	7.26 ug/L	142118	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	72
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	64
3	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	59
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	56
5	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

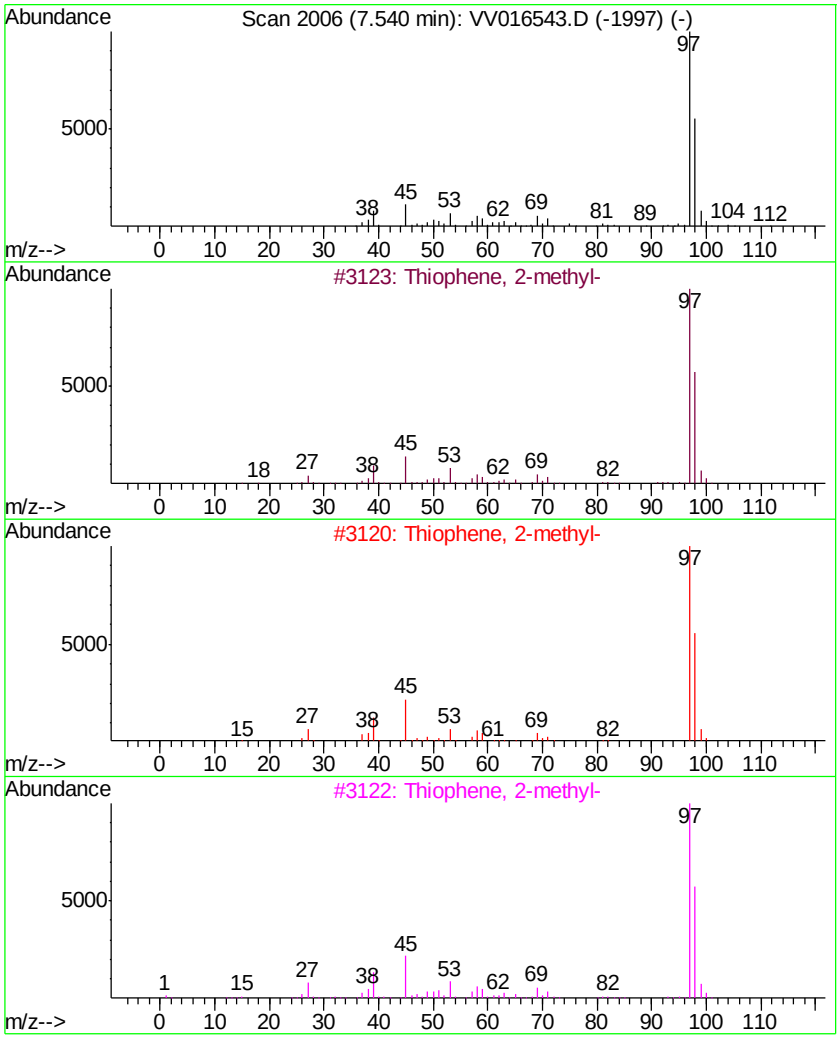
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

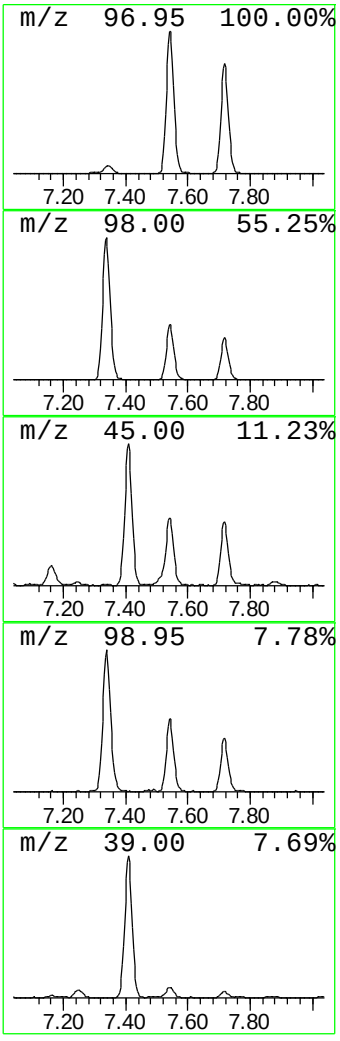
****

Peak Number 31 Thiophene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	30.72 ug/L	850759	Chlorobenzene-d5	8.87

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





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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

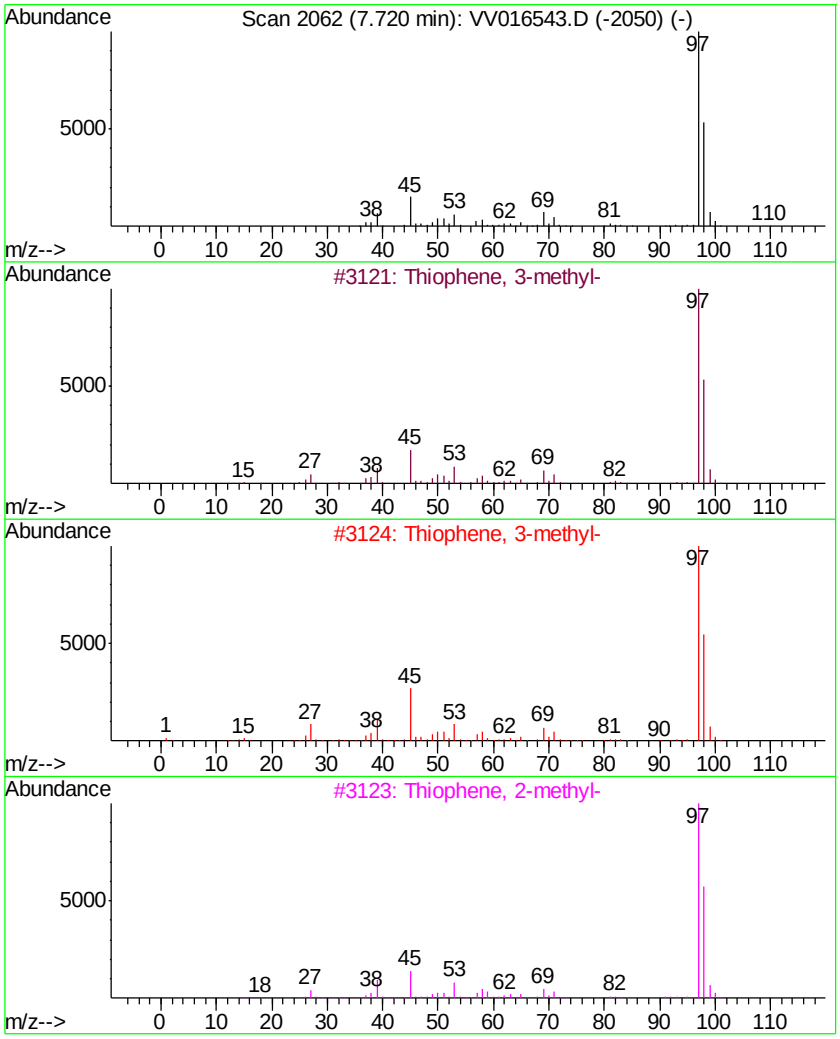
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

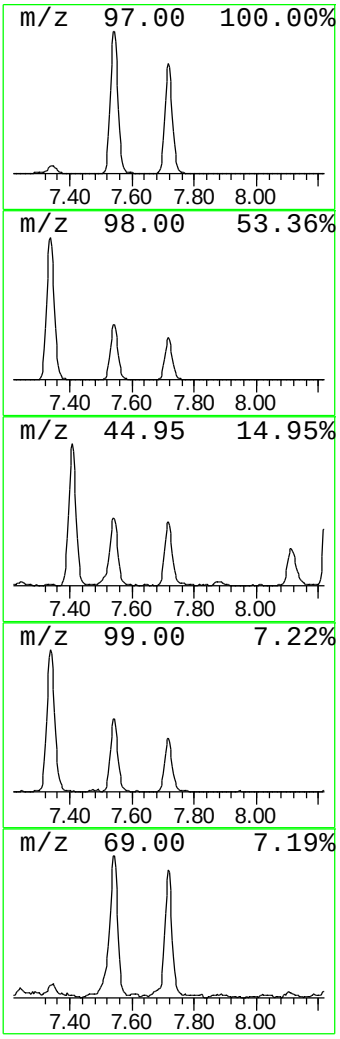
****

Peak Number 32 Thiophene, 3-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	21.14 ug/L	585391	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	97
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	94
3	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	93
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
5	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91





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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

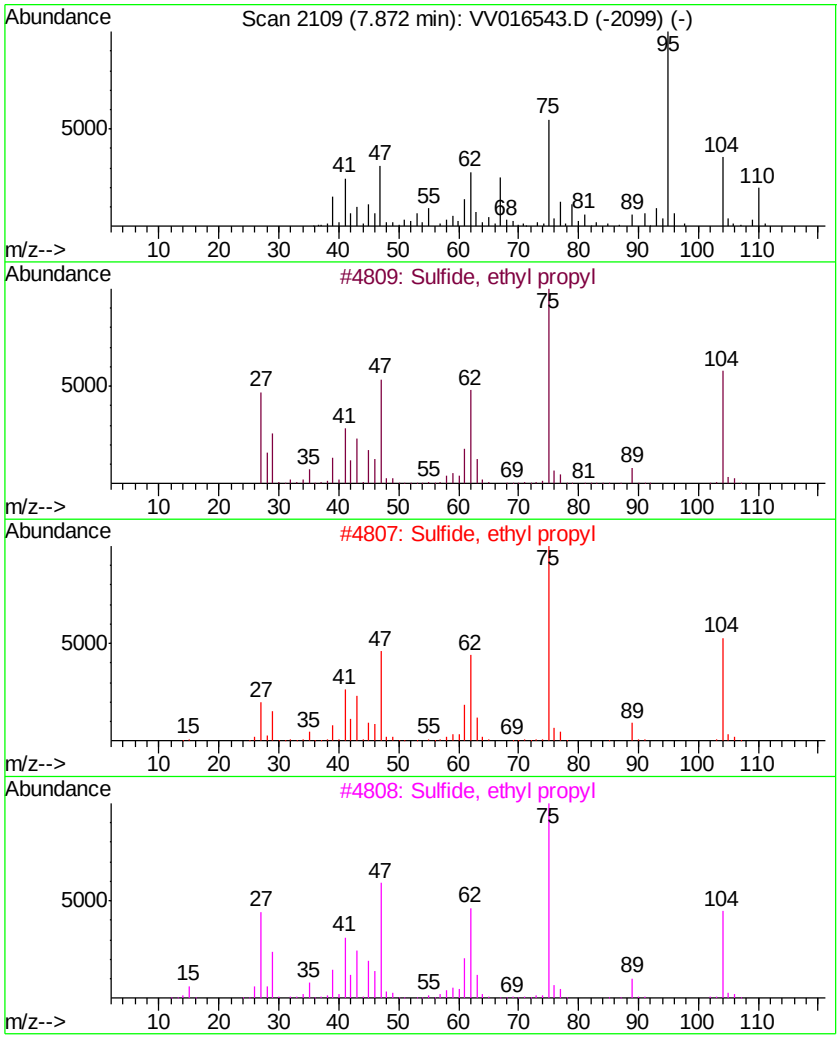
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

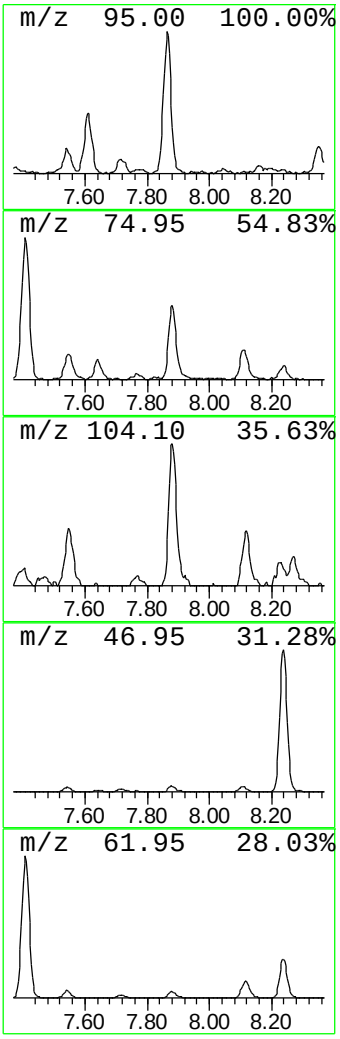
****

Peak Number 33 Sulfide, ethyl propyl Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	4.82 ug/L	133523	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	95
2	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	91
3	Sulfide, ethyl propyl	104	C5H12S	004110-50-3	60
4	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	38
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	27





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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

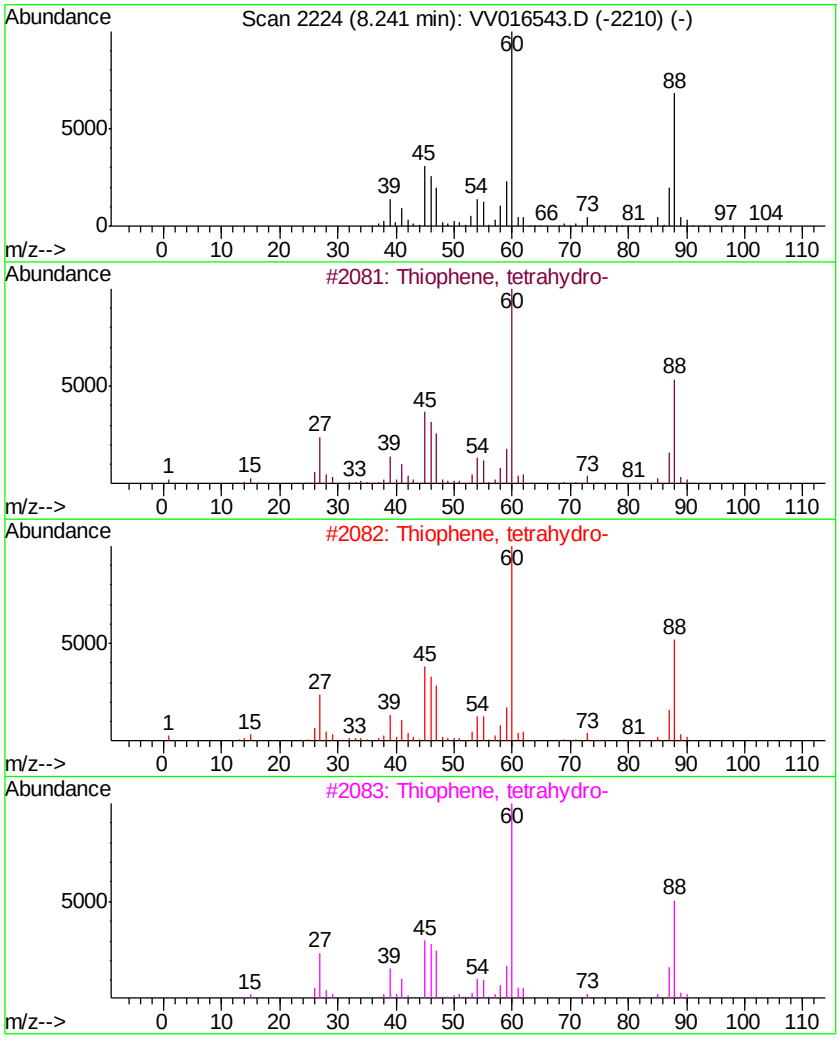
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

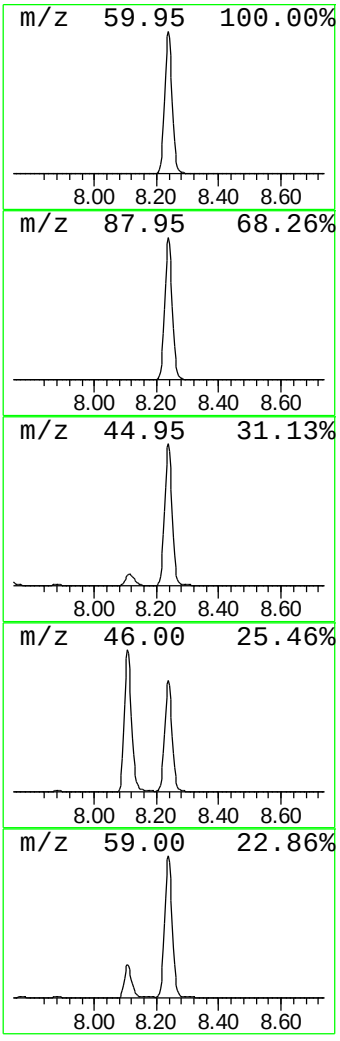
****

Peak Number 34 Thiophene, tetrahydro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	124.21 ug/L	3439820	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	94
4	Thietane, 2-methyl-	88	C4H8S	017837-41-1	74
5	Ethylvinyl sulfide	88	C4H8S	000627-50-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

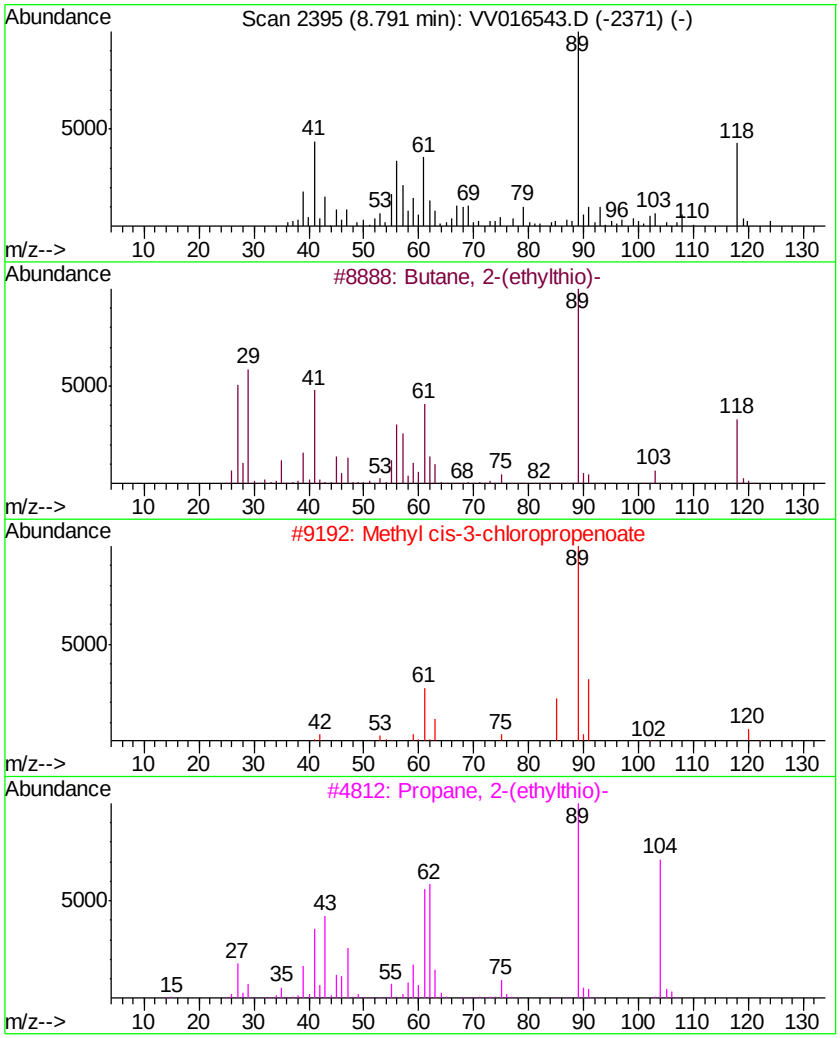
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

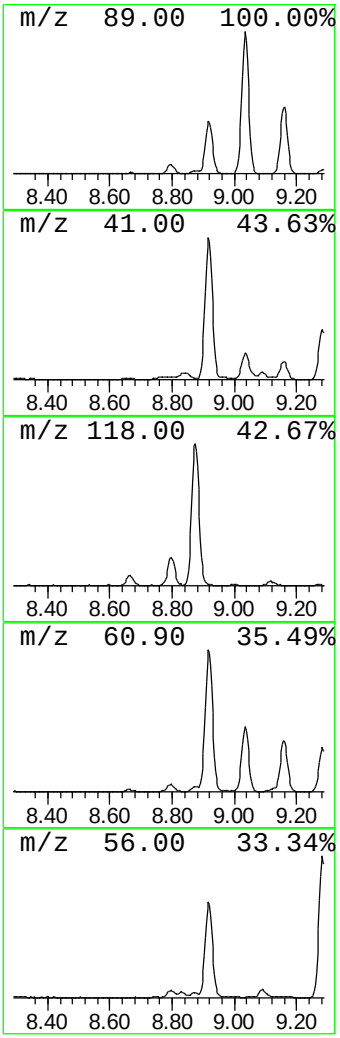
****

Peak Number 35 Butane, 2-(ethylthio)- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	5.73 ug/L	158599	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-(ethylthio)-	118	C6H14S	005008-72-0	91
2	Methyl cis-3-chloropropenoate	120	C4H5ClO2	1000144-78-7	45
3	Propane, 2-(ethylthio)-	104	C5H12S	005145-99-3	42
4	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	42
5	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

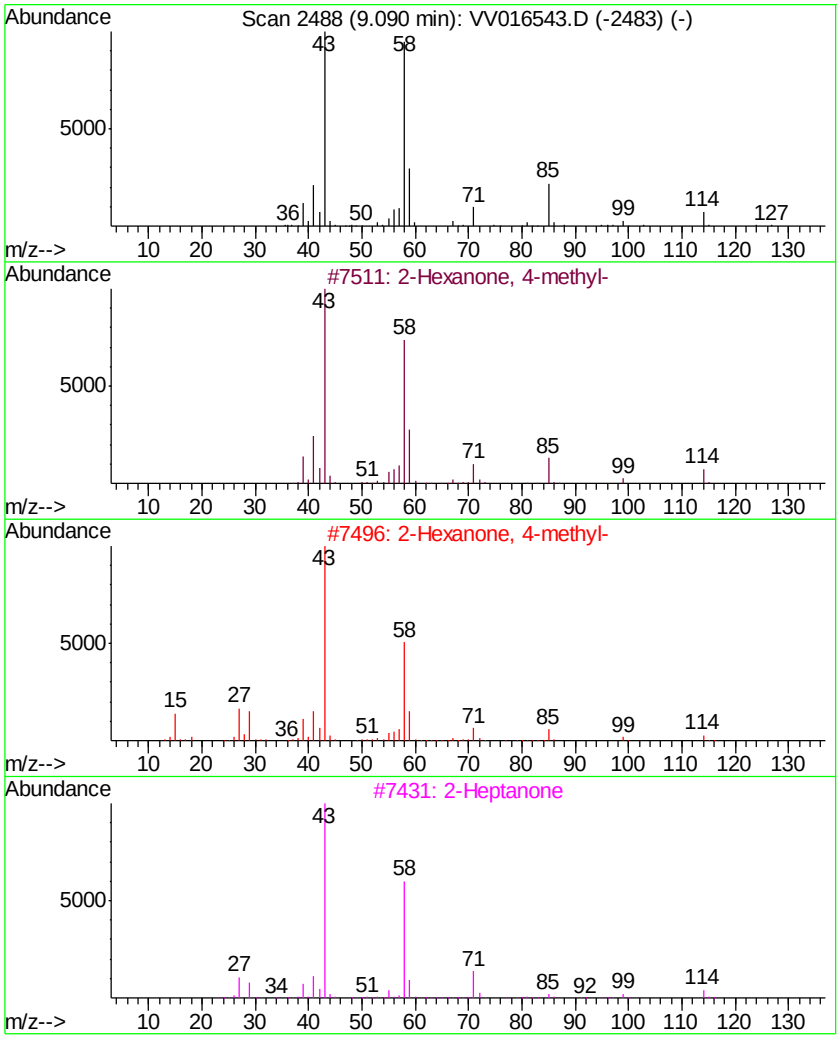
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

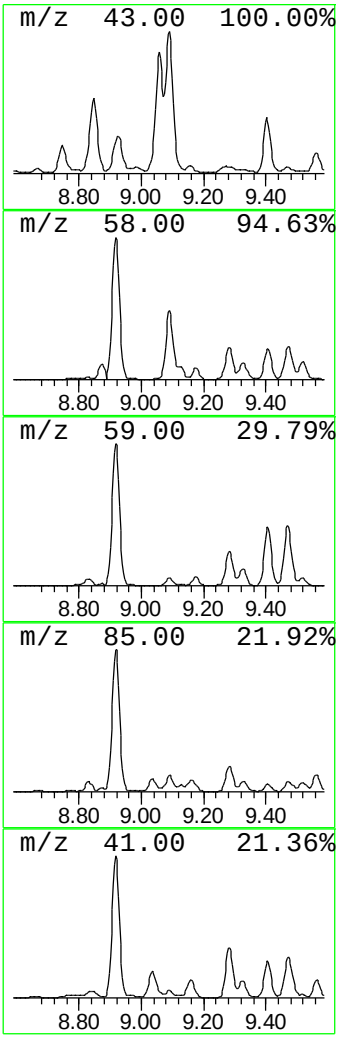
****

Peak Number 36 2-Hexanone, 4-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	7.98 ug/L	221123	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	90
2	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	64
3	2-Heptanone	114	C7H14O	000110-43-0	53
4	Methylamine, N,N-dimethyl-	59	C3H9N	000075-50-3	50
5	Methylamine, N,N-dimethyl-	59	C3H9N	000075-50-3	50





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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

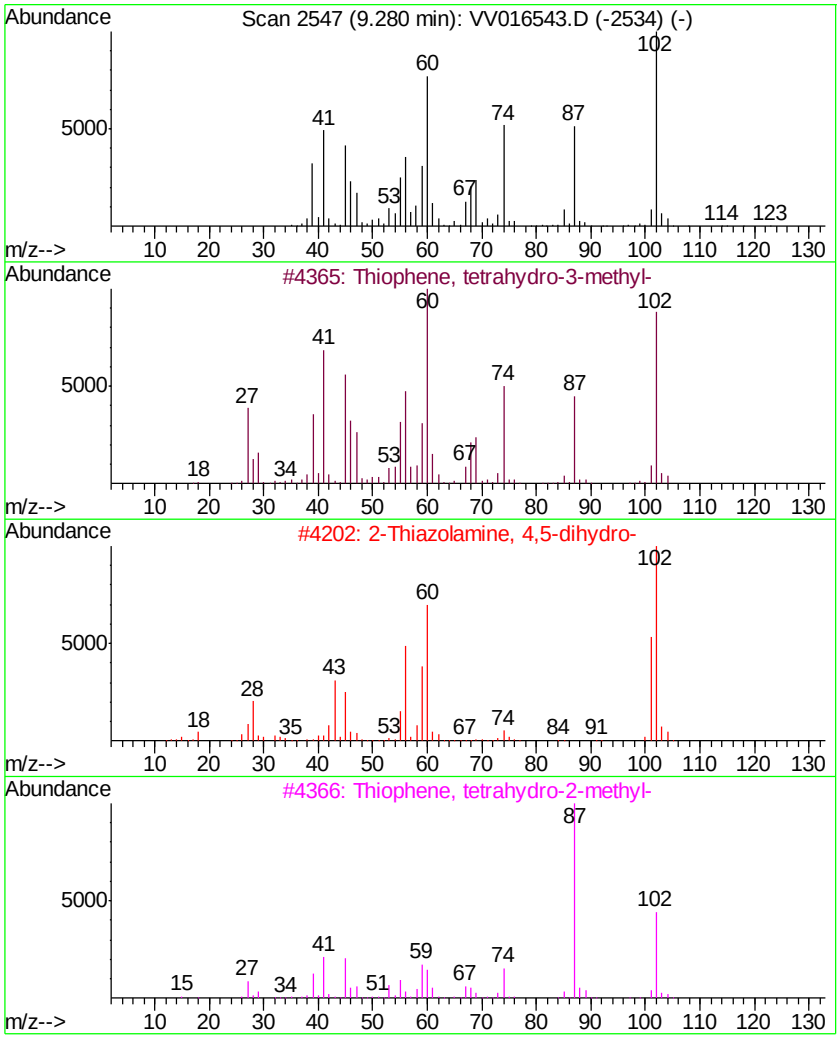
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

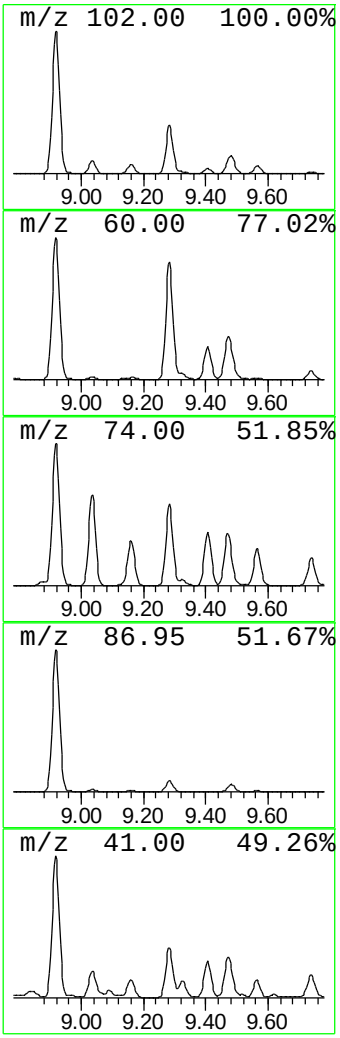
****

Peak Number 37 Thiophene, tetrahydro-3-met... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	60.62 ug/L	1678900	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	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	46
4	2H-Thiopyran, tetrahydro-	102	C5H10S	001613-51-0	43
5	1-Butene, 1-(methylthio)-, (E)-	102	C5H10S	017414-27-6	41





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

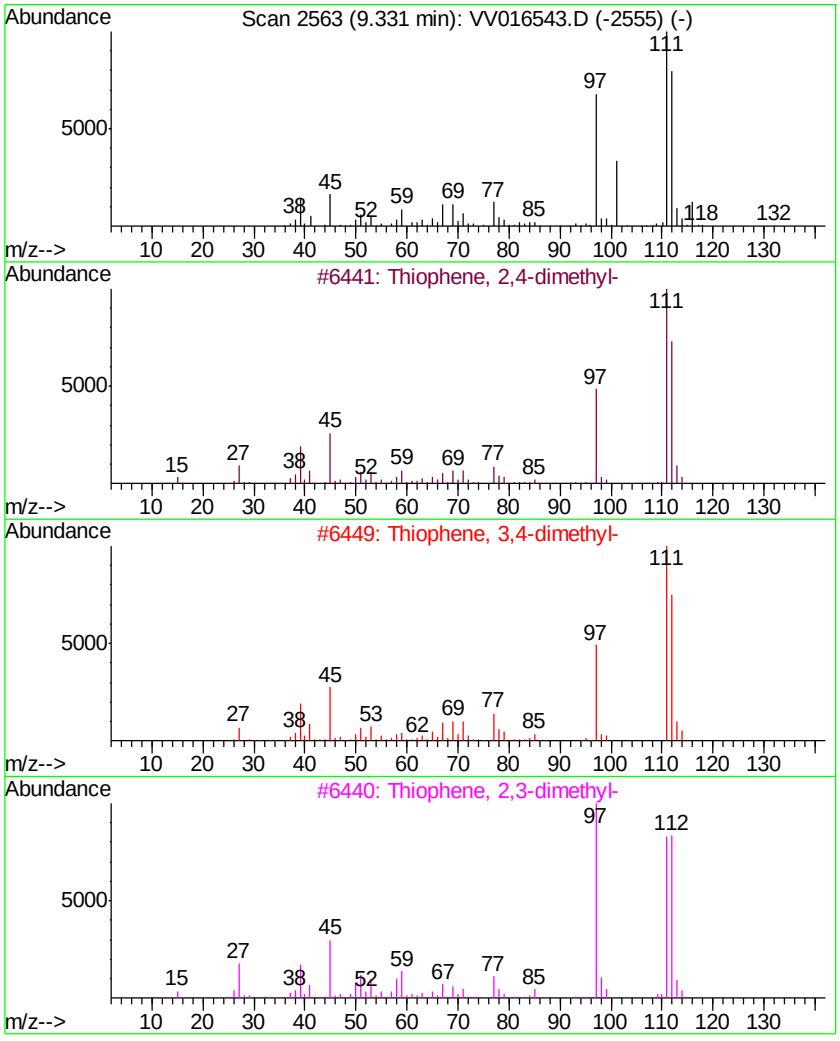
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

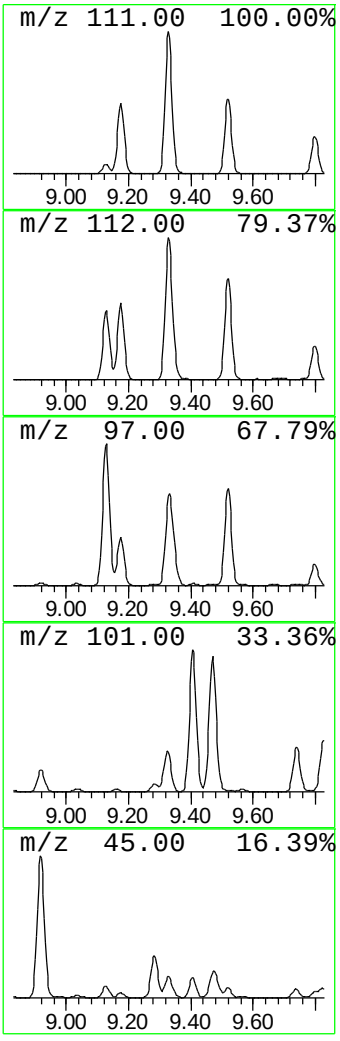
****

Peak Number 38 Thiophene, 2,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	45.71 ug/L	1265860	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	87
2	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	83
3	Thiophene, 2,3-dimethyl-	112	C6H8S	000632-16-6	83
4	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	72
5	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	72





Library Search Compound Report

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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

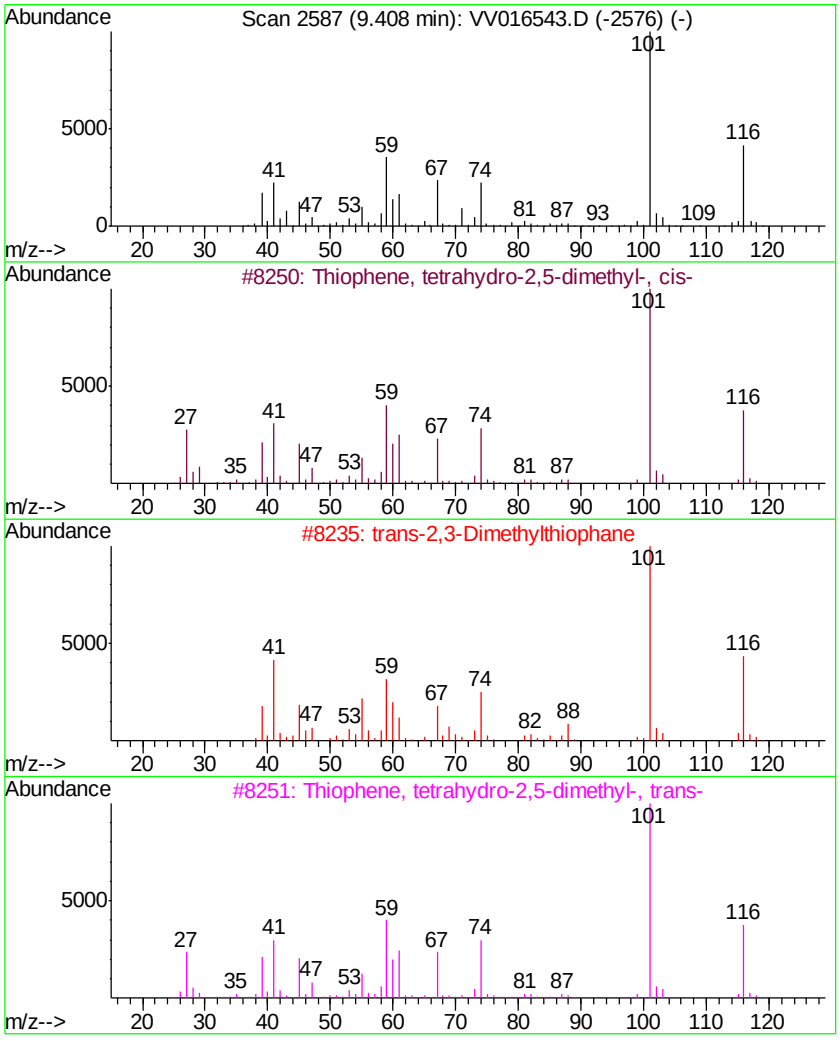
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

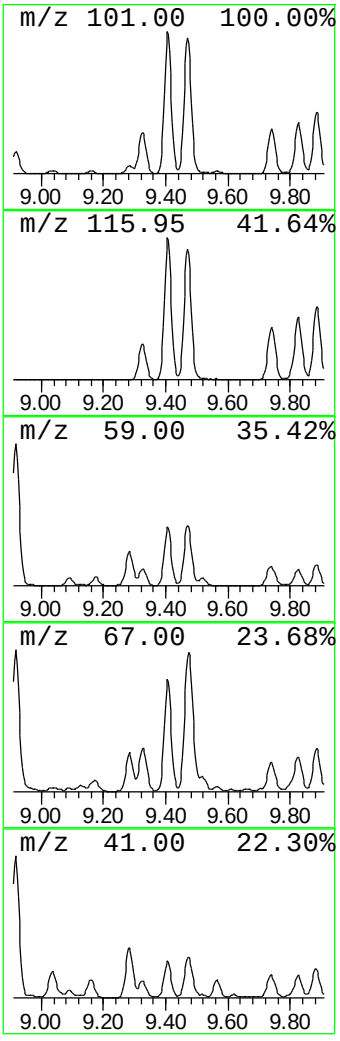
****

Peak Number 39 Thiophene, tetrahydro-2,5-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	51.30 ug/L	1420740	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	94
2	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	93
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	91
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	87
5	Allylthiourea	116	C4H8N2S	000109-57-9	47





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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

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

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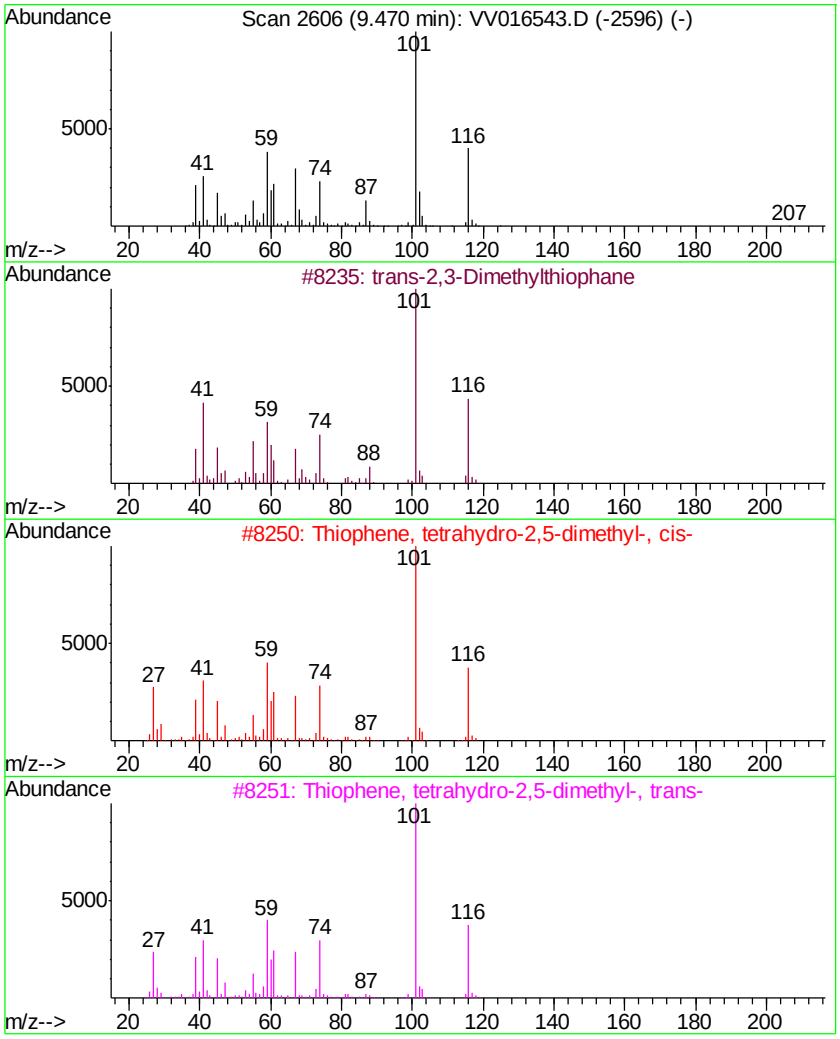
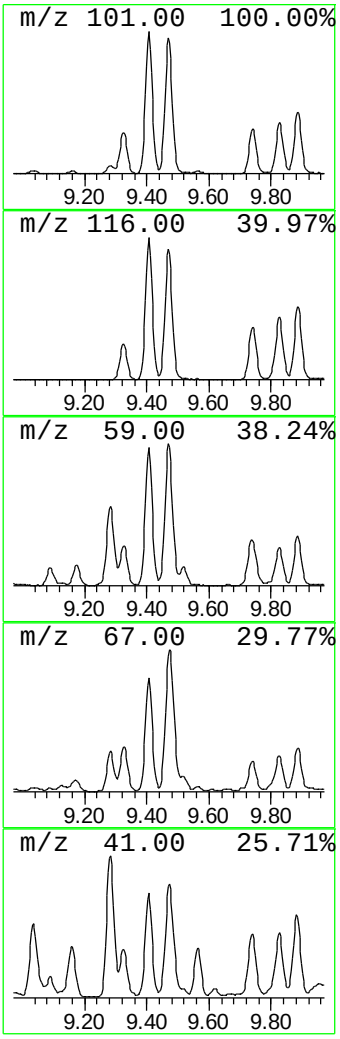
Peak Number 40 trans-2,3-Dimethylthiophane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	65.99 ug/L	1827600	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	90
3	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	87
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	76
5	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	47





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Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

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

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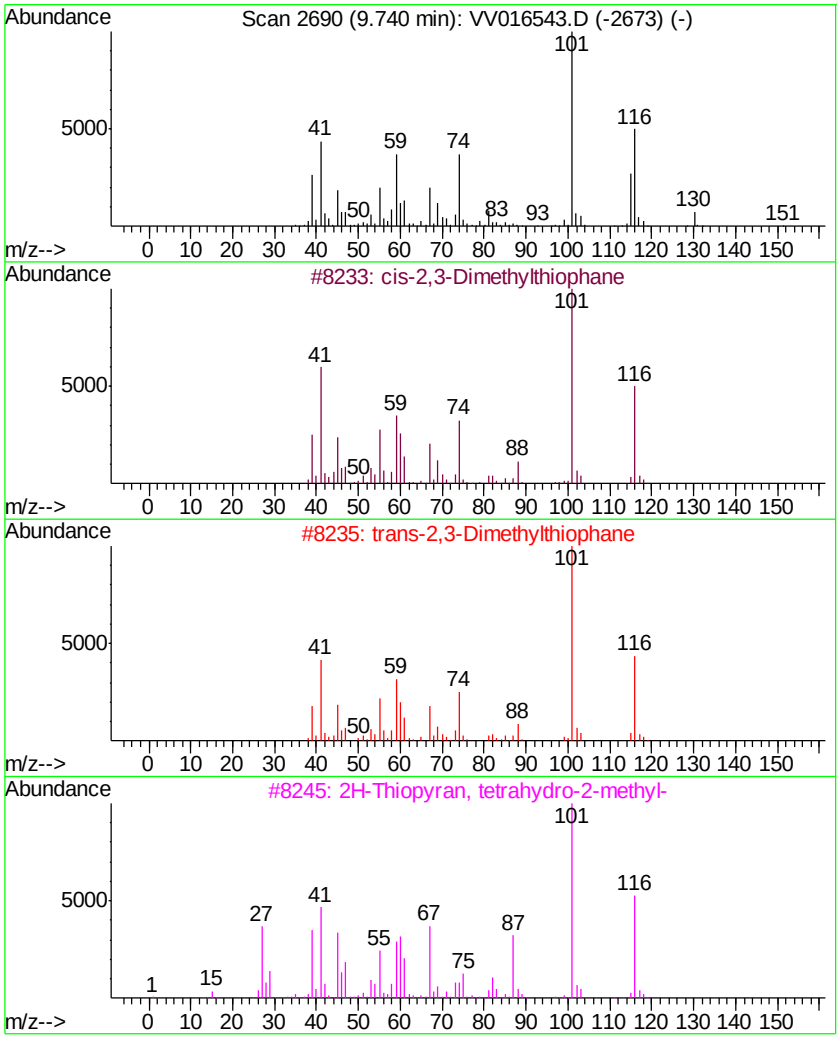
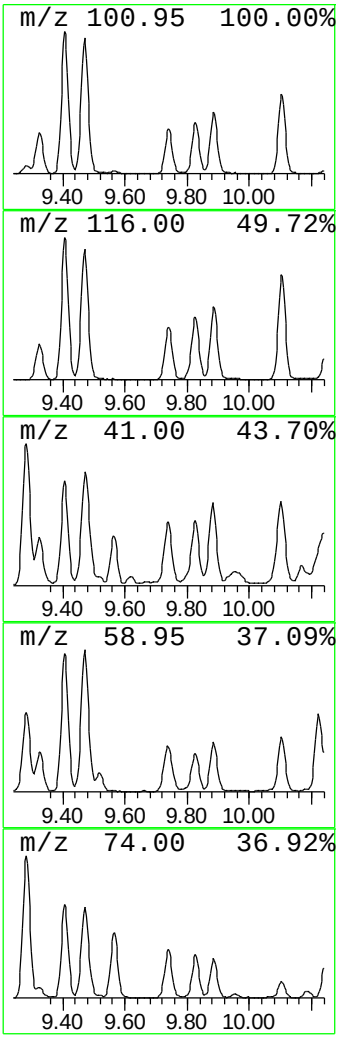
Peak Number 41 cis-2,3-Dimethylthiophane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	24.74 ug/L	685053	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	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	64
4	Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	60
5	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

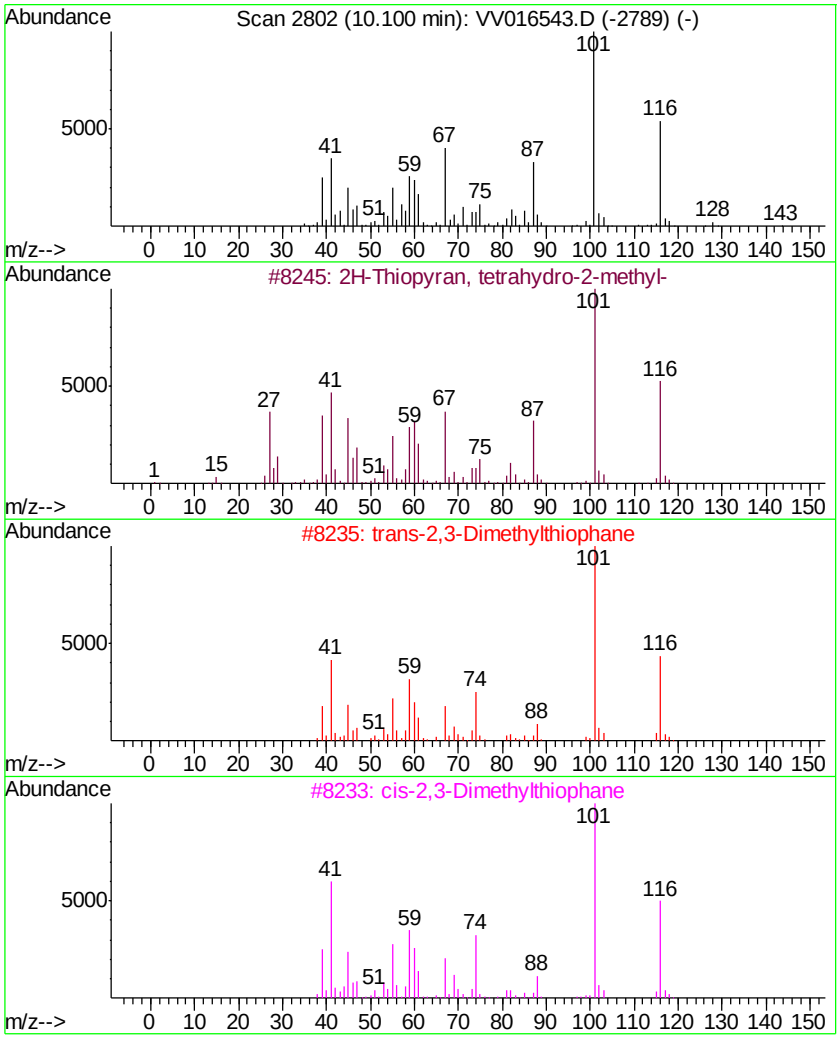
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

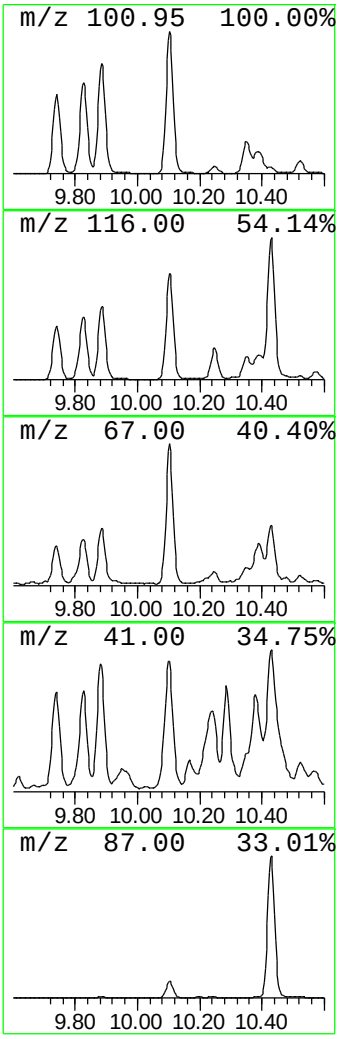
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 2H-Thiopyran, tetrahydro-2-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	39.20 ug/L	1210200	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	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	58
4	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	42
5	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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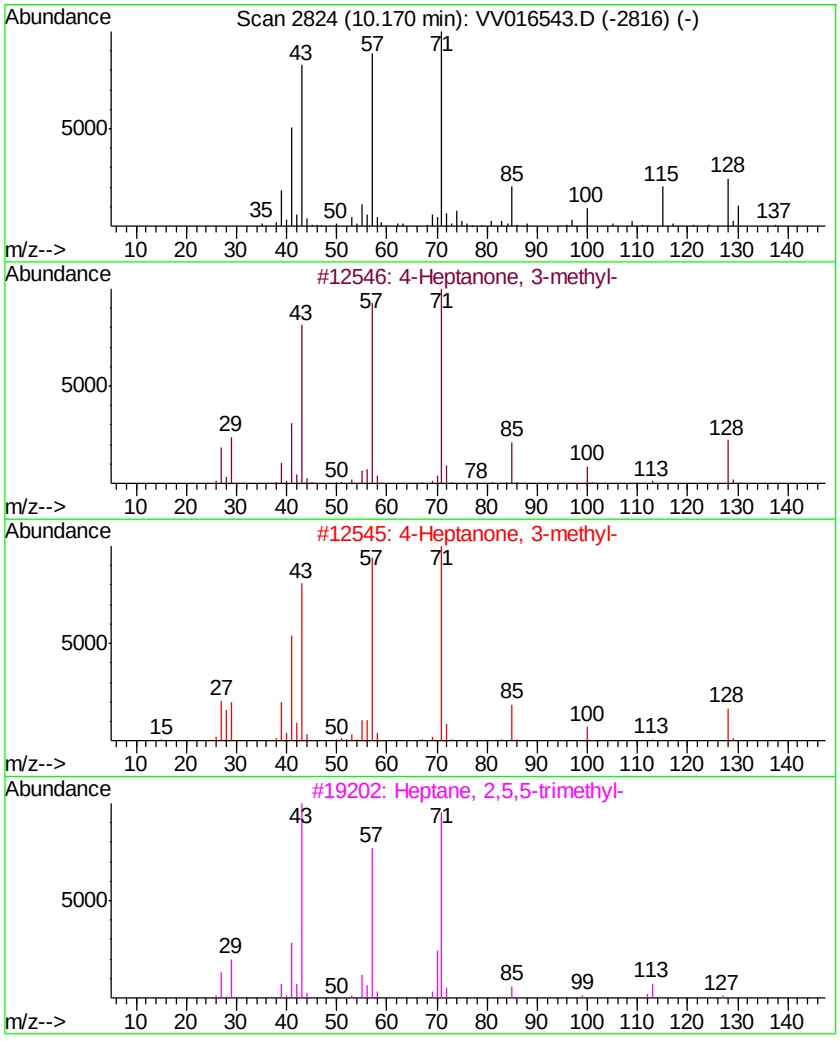
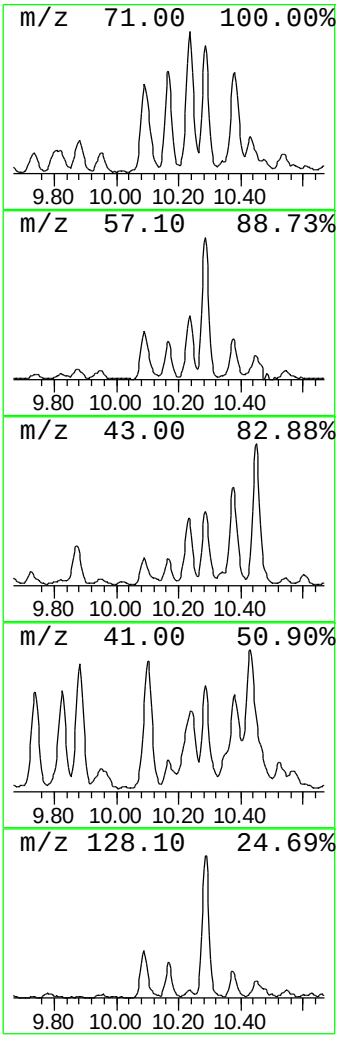
Peak Number 45 4-Heptanone, 3-methyl- Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	3.80 ug/L	117396	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	93
2	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	80
3	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	50
4	4-Octanone	128	C8H16O	000589-63-9	50
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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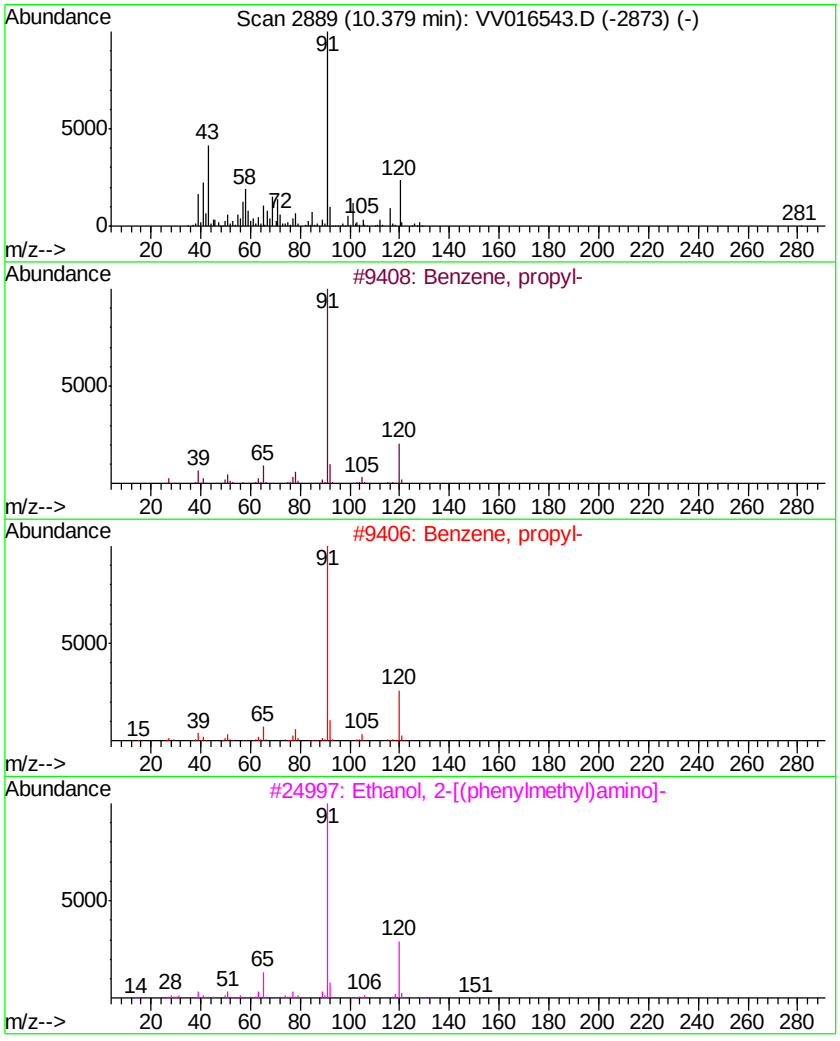
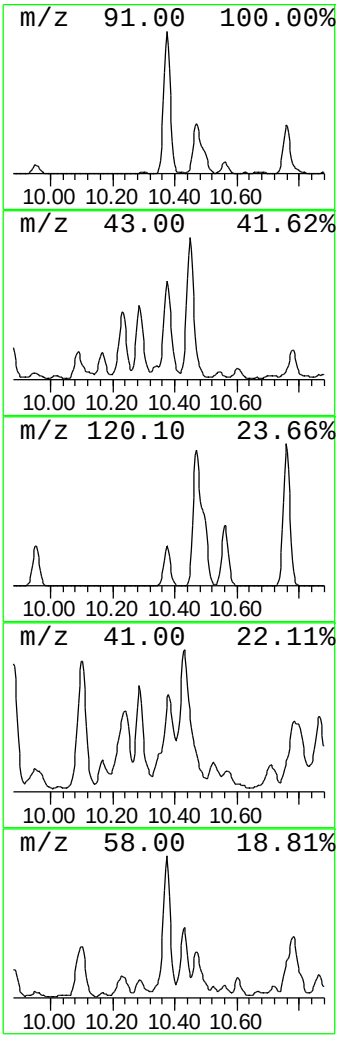
Peak Number 46 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	34.43 ug/L	1062990	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	46
2	Benzene, propyl-	120	C9H12	000103-65-1	41
3	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	35
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	35
5	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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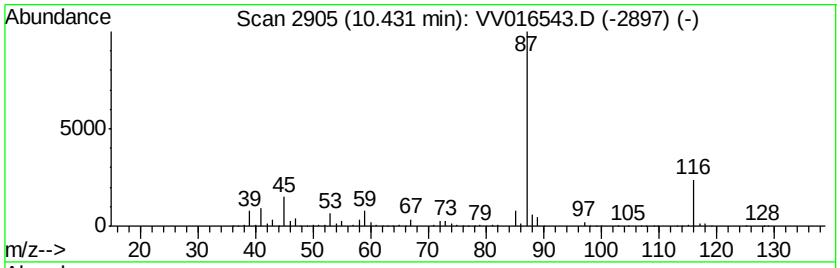
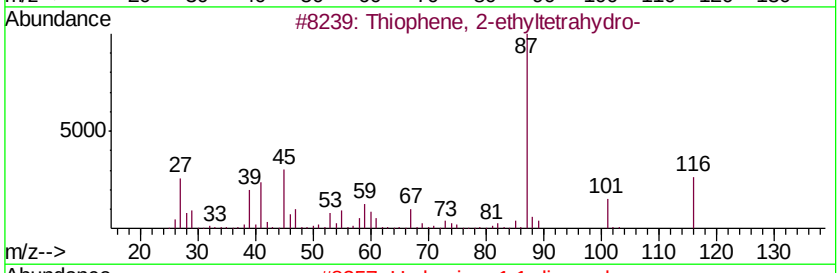
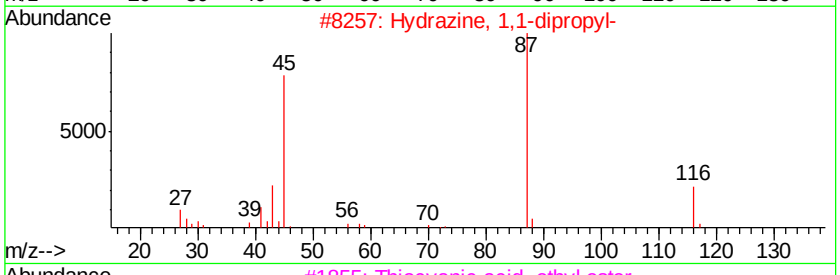
Peak Number 47 Thiophene, 2-ethyltetrahydro- Concentration Rank 22

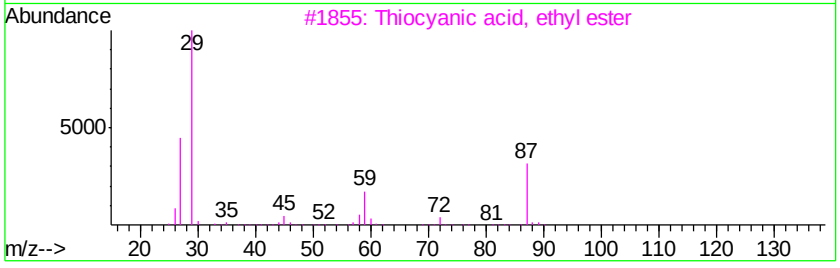
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	40.85 ug/L	1260890	1,4-Dichlorobenzene-d4	11.27

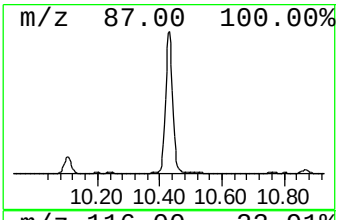
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	90
2	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	59
3	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	50
4	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	39
5	4-Heptanol, 4-methyl-	130	C8H18O	000598-01-6	36

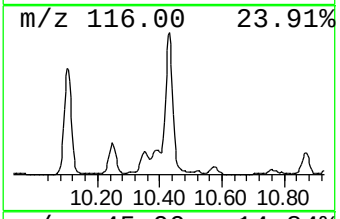


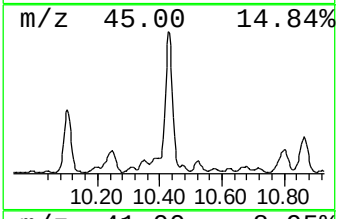


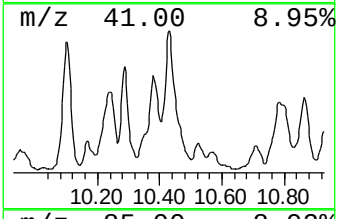


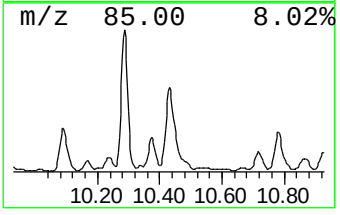












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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

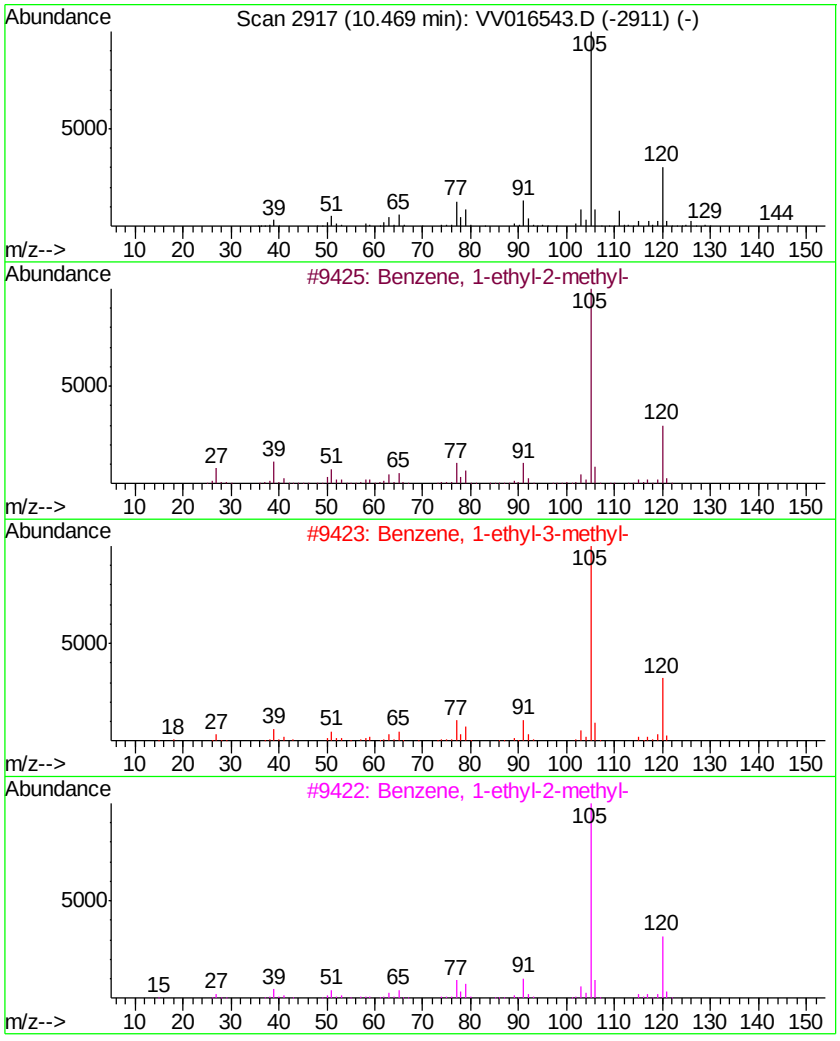
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

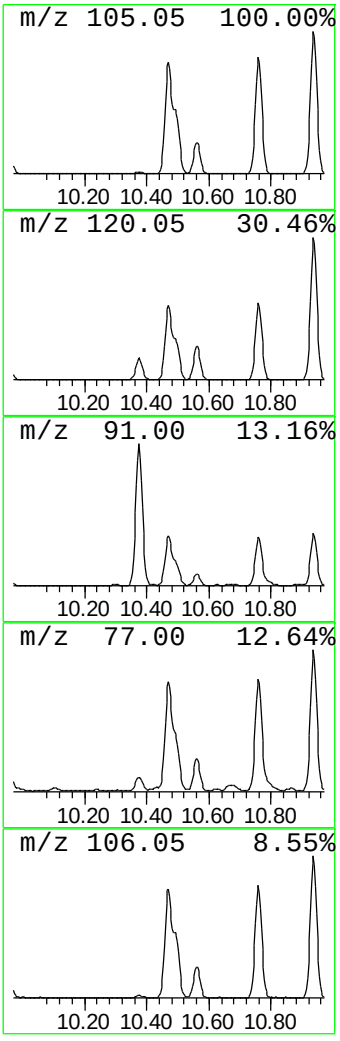
****

Peak Number 48 Benzene, 1-ethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	50.70 ug/L	1565200	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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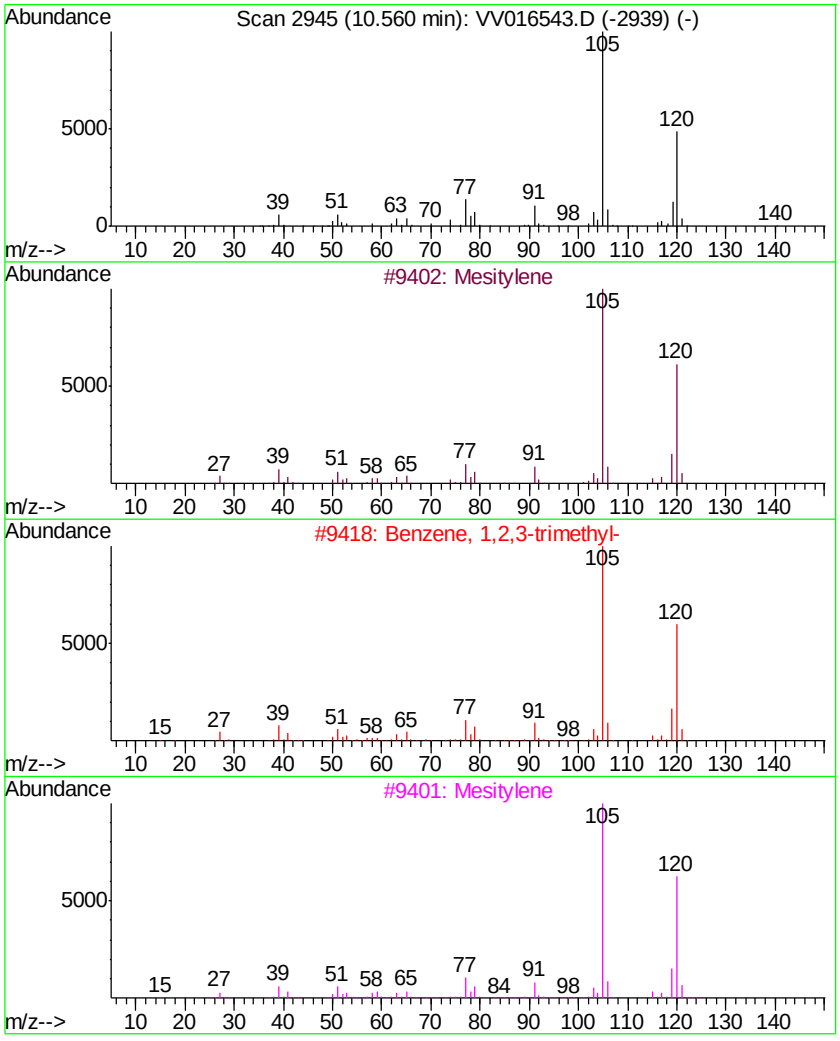
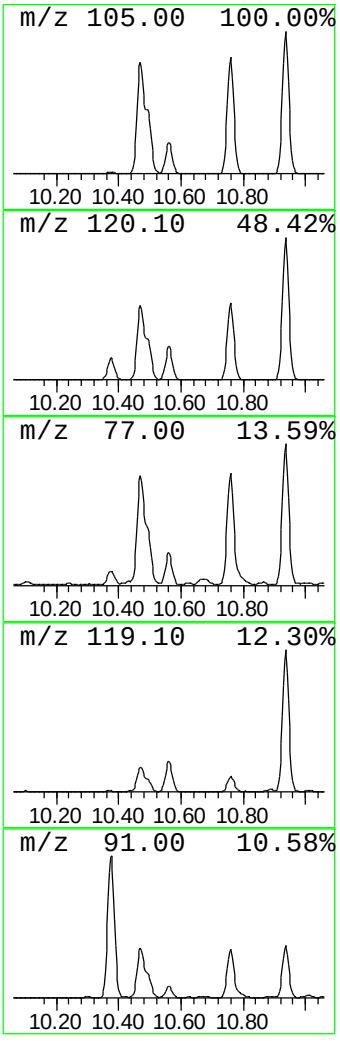
Peak Number 49 Mesitylene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	14.28 ug/L	440874	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	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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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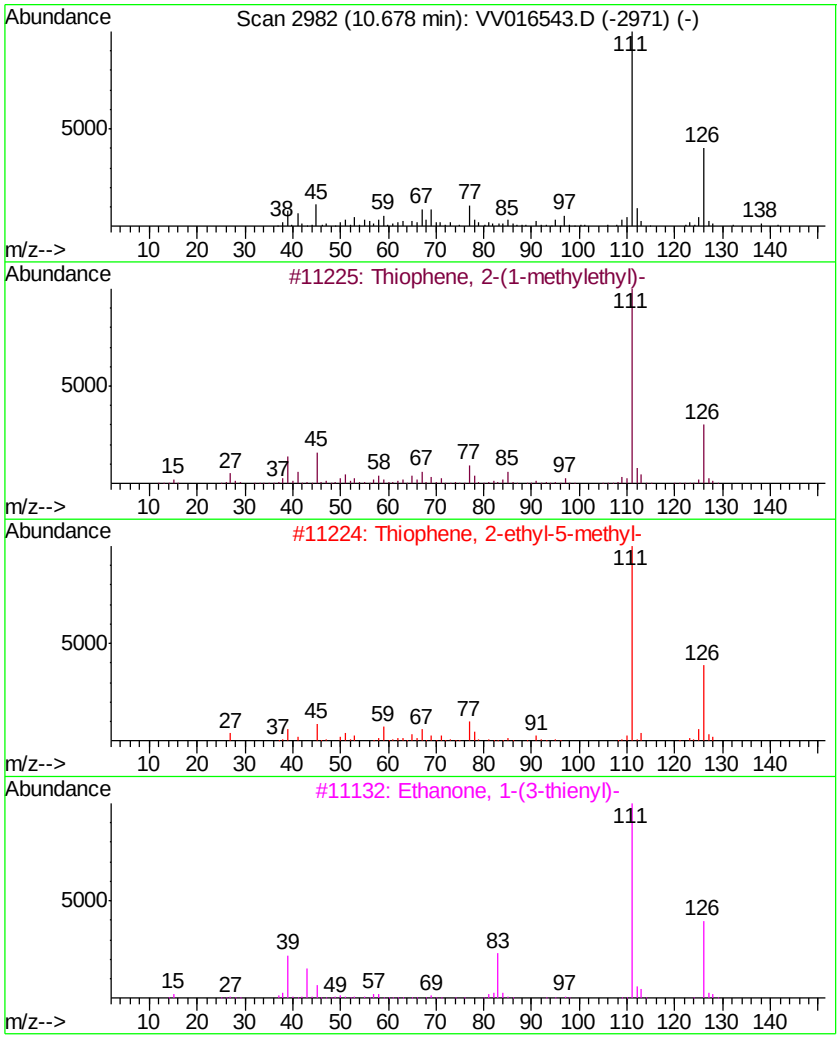
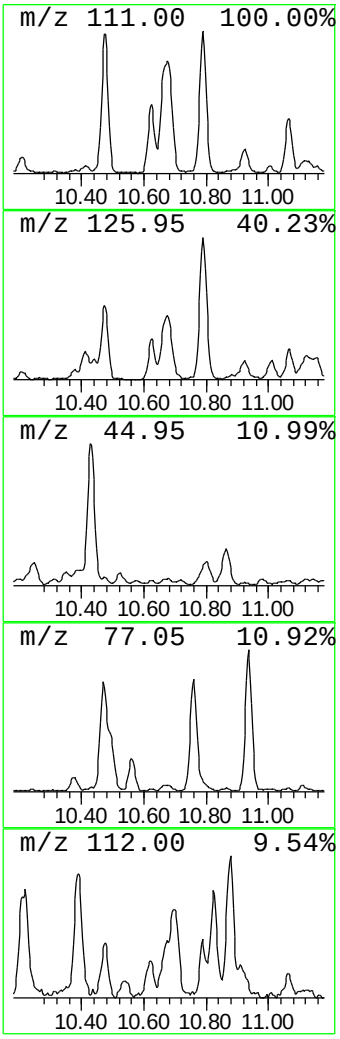
Peak Number 50 Thiophene, 2-(1-methylethyl)- Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	3.34 ug/L	103169	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	83
2	Thiophene, 2-ethyl-5-methyl-	126	C7H10S	040323-88-4	81
3	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	64
4	Ethanone, 1-(2-thienyl)-	126	C6H6OS	000088-15-3	64
5	Ethanone, 1-(2-thienyl)-	126	C6H6OS	000088-15-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060520\
Data File : VV016543.D
Acq On : 05 Jun 2020 18:04
Operator : SY/MD
Sample : L2861-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9E48

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	16.2	ug/L	317428	1	5.64	979415	50.0
(DEL) Alkane: Str...	1.22	24.9	ug/L	488253	1	5.64	979415	50.0
(DEL) Alkane: Str...	1.42	120.4	ug/L	2358230	1	5.64	979415	50.0
(DEL) Alkane: Str...	1.62	54.9	ug/L	1076080	1	5.64	979415	50.0
(DEL) Alkane: Cyc...	1.77	84.0	ug/L	1645400	1	5.64	979415	50.0
(DEL) Alkane: Str...	1.81	57.5	ug/L	1127160	1	5.64	979415	50.0
(DEL) Alkane: Str...	1.90	87.8	ug/L	1719330	1	5.64	979415	50.0
(DEL) Alkane: Str...	1.99	54.9	ug/L	1074630	1	5.64	979415	50.0
(DEL) Alkane: Cyc...	2.03	40.3	ug/L	789317	1	5.64	979415	50.0
(DEL) Alkane: Str...	2.44	9.7	ug/L	190202	1	5.64	979415	50.0
Cyclopentene	2.49	134.7	ug/L	2637840	1	5.64	979415	50.0
(DEL) Alkane: Cyc...	2.59	75.1	ug/L	1470860	1	5.64	979415	50.0
(DEL) Alkane: Str...	2.78	8.0	ug/L	155729	1	5.64	979415	50.0
(DEL) Alkane: Str...	2.96	11.4	ug/L	222956	1	5.64	979415	50.0
(DEL) Alkane: Str...	3.05	5.7	ug/L	111115	1	5.64	979415	50.0
(DEL) Alkane: Str...	3.17	4.5	ug/L	87208	1	5.64	979415	50.0
(DEL) Alkane: Str...	3.24	10.6	ug/L	206757	1	5.64	979415	50.0
Cyclopentene, 3-m...	3.45	28.3	ug/L	553696	1	5.64	979415	50.0
Cyclopentene, 4-m...	3.52	10.4	ug/L	203011	1	5.64	979415	50.0
Propyl mercaptan	3.70	3.8	ug/L	74738	1	5.64	979415	50.0
(DEL) Alkane: Cyc...	3.78	50.6	ug/L	992122	1	5.64	979415	50.0
Cyclohexene	5.25	62.4	ug/L	1221860	1	5.64	979415	50.0
Thiophene	5.39	326.7	ug/L	6398980	1	5.64	979415	50.0
Diethyl sulfide	5.97	21.3	ug/L	416848	1	5.64	979415	50.0
1-Propanethiol, 2...	6.27	4.6	ug/L	90818	1	5.64	979415	50.0
3-Pentanone	6.36	4.8	ug/L	94396	1	5.64	979415	50.0
Cyclohexene, 4-me...	6.60	8.4	ug/L	165345	1	5.64	979415	50.0
Cyclobutane, (1-m...	6.82	7.4	ug/L	145163	1	5.64	979415	50.0
2-Pentanol, 2-met...	7.16	7.3	ug/L	142118	1	5.64	979415	50.0
Thiophene, 2-methyl-	7.54	30.7	ug/L	850759	2	8.87	1384670	50.0
Thiophene, 3-methyl-	7.72	21.1	ug/L	585391	2	8.87	1384670	50.0
Sulfide, ethyl pr...	7.87	4.8	ug/L	133523	2	8.87	1384670	50.0
Thiophene, tetrah...	8.24	124.2	ug/L	3439820	2	8.87	1384670	50.0
Butane, 2-(ethylt...	8.79	5.7	ug/L	158599	2	8.87	1384670	50.0
2-Hexanone, 4-met...	9.09	8.0	ug/L	221123	2	8.87	1384670	50.0
Thiophene, tetrah...	9.28	60.6	ug/L	1678900	2	8.87	1384670	50.0
Thiophene, 2,4-di...	9.33	45.7	ug/L	1265860	2	8.87	1384670	50.0
Thiophene, tetrah...	9.41	51.3	ug/L	1420740	2	8.87	1384670	50.0
trans-2,3-Dimethy...	9.47	66.0	ug/L	1827600	2	8.87	1384670	50.0
cis-2,3-Dimethylt...	9.74	24.7	ug/L	685053	2	8.87	1384670	50.0
2H-Thiopyran, tet...	10.10	39.2	ug/L	1210200	3	11.27	1543480	50.0
4-Heptanone, 3-me...	10.17	3.8	ug/L	117396	3	11.27	1543480	50.0
unknown-01	10.38	34.4	ug/L	1062990	3	11.27	1543480	50.0
Thiophene, 2-ethy...	10.43	40.9	ug/L	1260890	3	11.27	1543480	50.0
Benzene, 1-ethyl-...	10.47	50.7	ug/L	1565200	3	11.27	1543480	50.0
Mesitylene	10.56	14.3	ug/L	440874	3	11.27	1543480	50.0
Thiophene, 2-(1-m...	10.68	3.3	ug/L	103169	3	11.27	1543480	50.0