LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060520\
Data File : VV016560.D
Acq On : 06 Jun 2020 01:41
Operator : SY/MD
Sample : L2862-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D89

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	15	rVB2	47881	42900	3.26%	0.334%
2	1.222	36	41	54	rVB	96094	92894	7.05%	0.722%
3	1.315	64	70	79	rVB	302172	299247	22.71%	2.327%
4	1.560	139	146	158	rVB	136399	164428	12.48%	1.279%
5	1.627	160	167	180	rVB	157029	200895	15.25%	1.562%
6	2.116	310	319	332	rBV	313981	462683	35.11%	3.598%
7	2.589	458	466	482	rVB2	88724	154548	11.73%	1.202%
8	2.714	503	505	507	rBV3	876	438	0.03%	0.003%
9	2.775	516	524	538	rVB3	12255	26848	2.04%	0.209%
10	2.830	538	541	544	rBV4	984	826	0.06%	0.006%
11	2.856	547	549	550	rBV2	648	266	0.02%	0.002%
12	2.894	557	561	563	rBV4	1152	855	0.06%	0.007%
13	3.010	594	597	599	rBV4	987	567	0.04%	0.004%
14	3.045	605	608	612	rBV4	689	559	0.04%	0.004%
15	3.061	612	613	616	rVB3	944	349	0.03%	0.003%
16	3.119	629	631	632	rBV2	1105	394	0.03%	0.003%
17	3.151	639	641	645	rBV4	621	332	0.03%	0.003%
18	3.171	645	647	649	rVB3	958	384	0.03%	0.003%
19	3.216	660	661	662	rBV2	642	241	0.02%	0.002%
20	3.248	669	671	673	rBV	1000	472	0.04%	0.004%
21	3.274	675	679	681	rVB5	1686	1084	0.08%	0.008%
22	3.293	681	685	687	rBV4	922	815	0.06%	0.006%
23	3.328	693	696	697	rBV3	442	226	0.02%	0.002%
24	3.338	697	699	701	rVB2	974	374	0.03%	0.003%
25	3.354	701	704	706	rBV4	568	280	0.02%	0.002%
26	3.383	706	713	715	rBV6	1320	1540	0.12%	0.012%
27	3.412	720	722	726	rVB5	1211	592	0.04%	0.005%
28	3.505	749	751	755	rVV5	1170	605	0.05%	0.005%
29	3.524	755	757	760	rVV4	1299	837	0.06%	0.007%
30	3.540	760	762	768	rVB5	1300	781	0.06%	0.006%
31	3.605	778	782	787	rVB7	1546	1643	0.12%	0.013%
32	3.627	787	789	792	rBV3	1237	754	0.06%	0.006%
33	3.688	806	808	810	rVB3	1300	582	0.04%	0.005%
34	3.708	810	814	816	rVB4	451	312	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060520\
Data File : VV016560.D
Acq On : 06 Jun 2020 01:41
Operator : SY/MD
Sample : L2862-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D89

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	3.720	816	818	819	rBV2	783	318	0.02%	0.002%
36	3.737	821	823	824	rBV2	1092	405	0.03%	0.003%
37	3.785	824	838	852	rBV3	33669	82739	6.28%	0.643%
38	3.894	862	872	897	rBV	117484	302959	22.99%	2.356%
39	4.373	1005	1021	1043	rBV	246759	602845	45.75%	4.688%
40	4.592	1086	1089	1092	rBV5	1369	875	0.07%	0.007%
41	4.643	1103	1105	1106	rBV2	856	362	0.03%	0.003%
42	4.701	1108	1123	1141	rVV	49576	123761	9.39%	0.962%
43	4.794	1148	1152	1153	rBV3	1010	702	0.05%	0.005%
44	4.833	1160	1164	1167	rBV6	1577	1252	0.10%	0.010%
45	4.852	1167	1170	1172	rBV3	1118	576	0.04%	0.004%
46	4.897	1180	1184	1185	rBV3	694	488	0.04%	0.004%
47	4.939	1193	1197	1198	rBV3	1327	988	0.07%	0.008%
48	5.071	1220	1238	1242	rBV2	624203	1317655	100.00%	10.246%
49	5.640	1402	1415	1439	rBV	453521	903358	68.56%	7.025%
50	5.791	1461	1462	1466	rVB4	1042	633	0.05%	0.005%
51	6.093	1542	1556	1584	rBV	346012	706900	53.65%	5.497%
52	6.306	1621	1622	1624	rVB2	2171	605	0.05%	0.005%
53	6.325	1624	1628	1630	rBV5	734	644	0.05%	0.005%
54	6.347	1633	1635	1637	rBV2	1276	637	0.05%	0.005%
55	6.357	1637	1638	1640	rVV2	973	405	0.03%	0.003%
56	6.376	1642	1644	1648	rBV4	1323	970	0.07%	0.008%
57	6.466	1671	1672	1674	rVB2	1242	329	0.02%	0.003%
58	6.495	1677	1681	1683	rBV5	1284	849	0.06%	0.007%
59	6.511	1683	1686	1688	rBV5	1518	1057	0.08%	0.008%
60	6.563	1697	1702	1704	rBV5	1107	1176	0.09%	0.009%
61	6.733	1753	1755	1756	rBV3	1094	385	0.03%	0.003%
62	6.746	1756	1759	1762	rBV5	1165	685	0.05%	0.005%
63	6.875	1795	1799	1800	rBV4	993	553	0.04%	0.004%
64	6.916	1810	1812	1815	rBV4	604	426	0.03%	0.003%
65	6.933	1815	1817	1819	rVV3	1304	593	0.05%	0.005%
66	6.955	1822	1824	1827	rBV3	1004	612	0.05%	0.005%
67	7.007	1827	1840	1861	rBV	195078	348419	26.44%	2.709%
68	7.254	1914	1917	1918	rBV3	1574	895	0.07%	0.007%
69	7.283	1924	1926	1928	rBV3	1146	489	0.04%	0.004%
70	7.338	1931	1943	1958	rBV	722430	1227664	93.17%	9.546%
71	7.588	2019	2021	2023	rBV3	1256	474	0.04%	0.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060520\
Data File : VV016560.D
Acq On : 06 Jun 2020 01:41
Operator : SY/MD
Sample : L2862-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D89

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	7.605	2023	2026	2028	rBV3	1428	822	0.06%	0.006%
73	7.640	2028	2037	2054	rBV	135752	227770	17.29%	1.771%
74	7.852	2101	2103	2105	rBV3	2470	1641	0.12%	0.013%
75	8.032	2157	2159	2162	rBV4	1463	714	0.05%	0.006%
76	8.051	2162	2165	2167	rVB5	1522	968	0.07%	0.008%
77	8.106	2167	2182	2206	rBV	457089	782830	59.41%	6.087%
78	8.453	2287	2290	2292	rBV3	970	531	0.04%	0.004%
79	8.498	2301	2304	2306	rBV2	736	363	0.03%	0.003%
80	8.527	2309	2313	2315	rBV6	1581	1355	0.10%	0.011%
81	8.569	2325	2326	2330	rBV5	858	544	0.04%	0.004%
82	8.736	2376	2378	2381	rBV4	1289	666	0.05%	0.005%
83	8.772	2387	2389	2390	rBV2	1361	654	0.05%	0.005%
84	8.875	2410	2421	2430	rBV	673744	1091009	82.80%	8.484%
85	9.035	2461	2471	2486	rVB	249373	388428	29.48%	3.020%
86	9.283	2536	2548	2556	rBV3	43809	79621	6.04%	0.619%
87	9.408	2581	2587	2597	rVB3	24912	37432	2.84%	0.291%
88	9.566	2629	2636	2651	rVB	27316	45380	3.44%	0.353%
89	10.238	2835	2845	2860	rVB	490274	771809	58.57%	6.002%
90	11.270	3157	3166	3187	rVB	724045	1121968	85.15%	8.724%
91	11.646	3274	3283	3295	rVB	777012	1187046	90.09%	9.231%
92	14.006	4015	4017	4020	rBV4	1129	569	0.04%	0.004%
93	14.061	4032	4034	4035	rBV2	1535	586	0.04%	0.005%
94	14.318	4108	4114	4126	rVB5	9925	14250	1.08%	0.111%
95	14.916	4296	4300	4301	rBV2	1484	1096	0.08%	0.009%
96	14.961	4312	4314	4316	rBV2	1422	996	0.08%	0.008%
97	14.997	4323	4325	4327	rBV2	1849	873	0.07%	0.007%
98	15.070	4346	4348	4350	rBV3	1069	688	0.05%	0.005%
99	15.247	4401	4403	4406	rVB3	2257	1148	0.09%	0.009%
100	15.733	4549	4554	4557	rBV8	2947	2989	0.23%	0.023%

Sum of corrected areas: 12859980

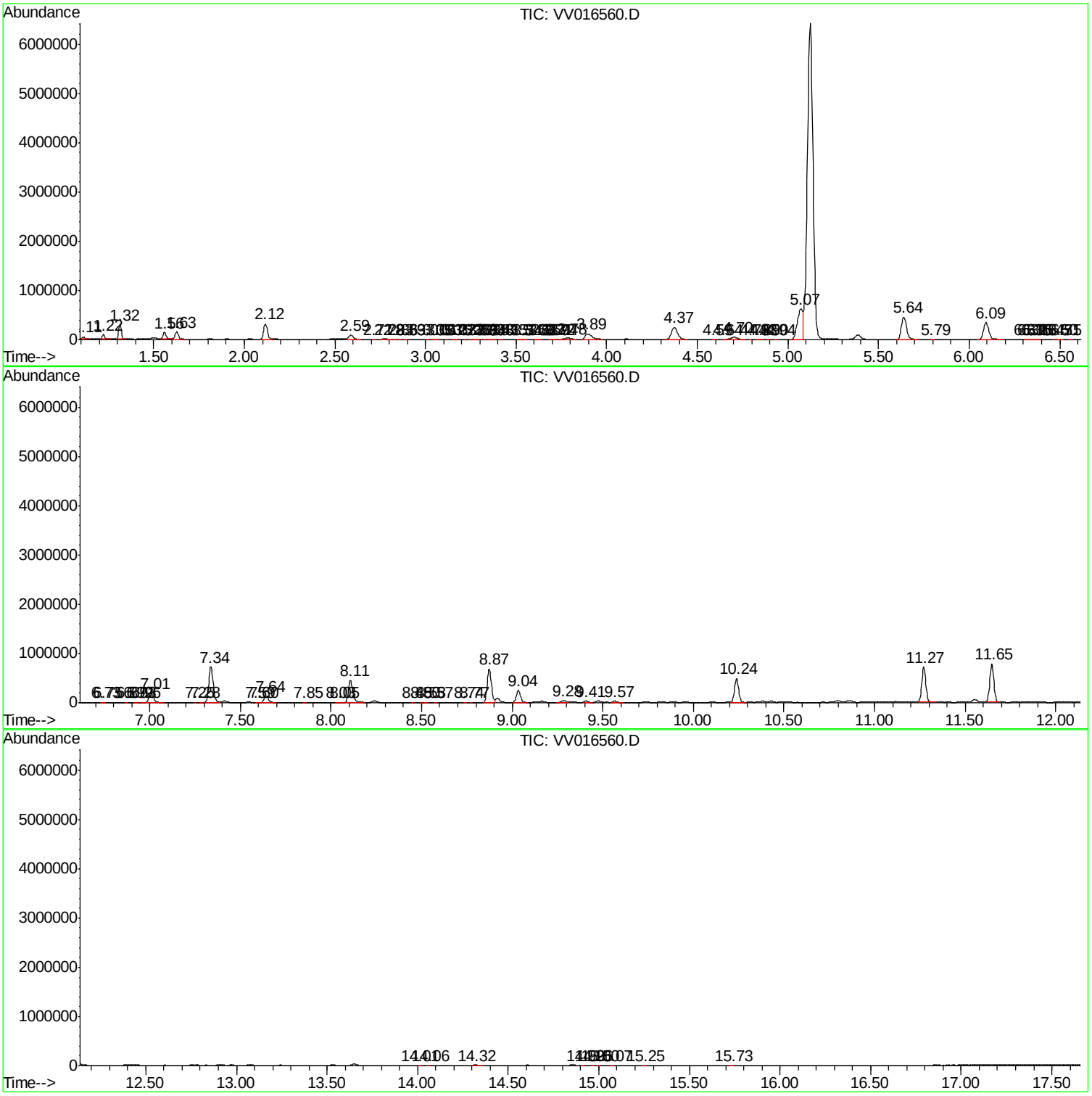
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060520\
Data File : VV016560.D
Acq On : 06 Jun 2020 01:41
Operator : SY/MD
Sample : L2862-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9D89

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 : VV016560.D
Acq On : 06 Jun 2020 01:41
Operator : SY/MD
Sample : L2862-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D89

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

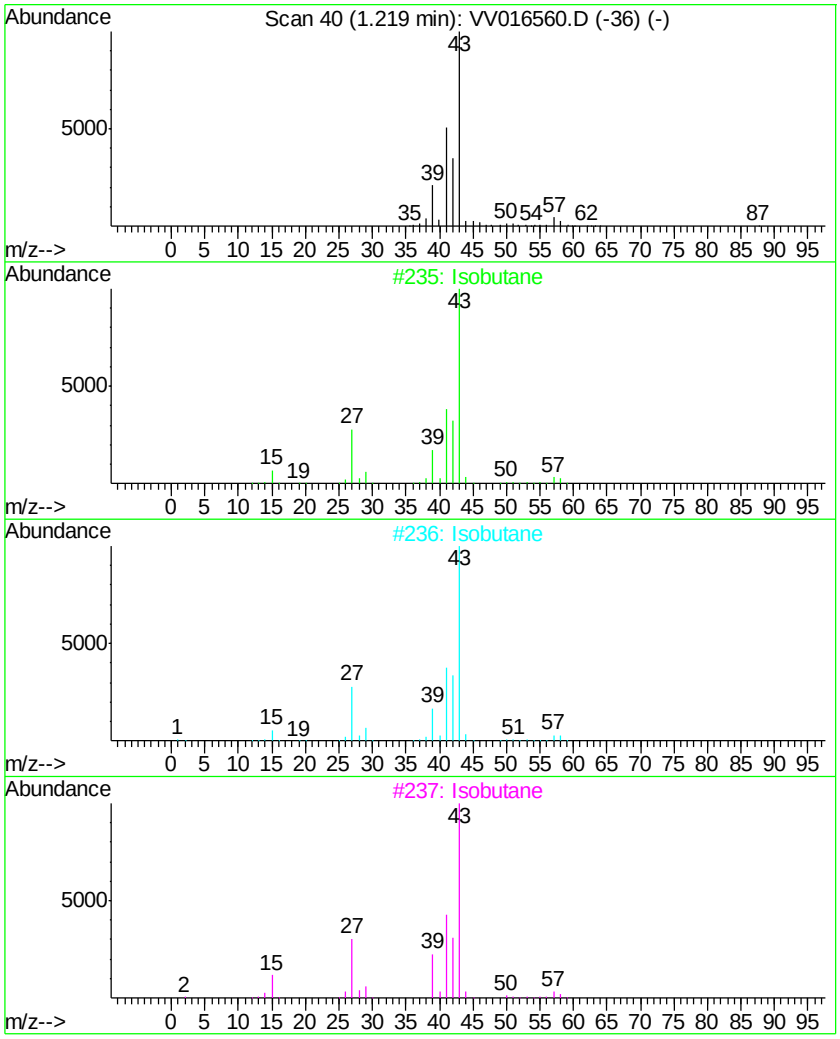
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

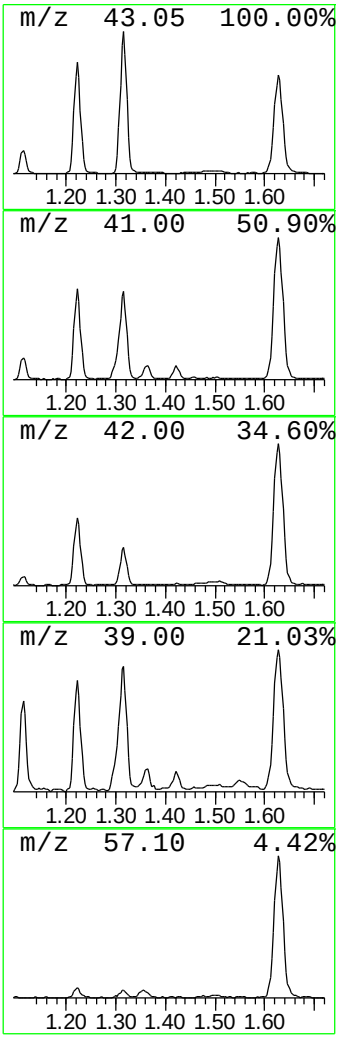
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	5.14 ug/L	92894	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	59
4	Borane, trimethyl-	56	C3H9B	000593-90-8	9
5	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060520\
Data File : VV016560.D
Acq On : 06 Jun 2020 01:41
Operator : SY/MD
Sample : L2862-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D89

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

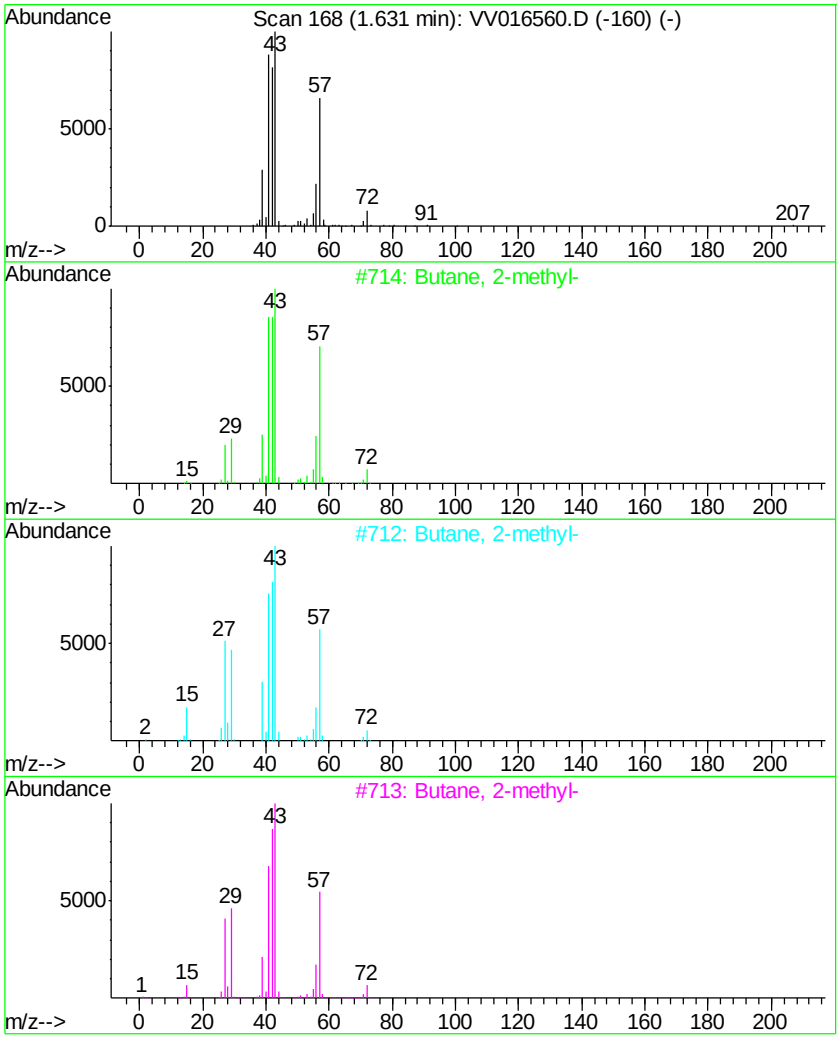
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

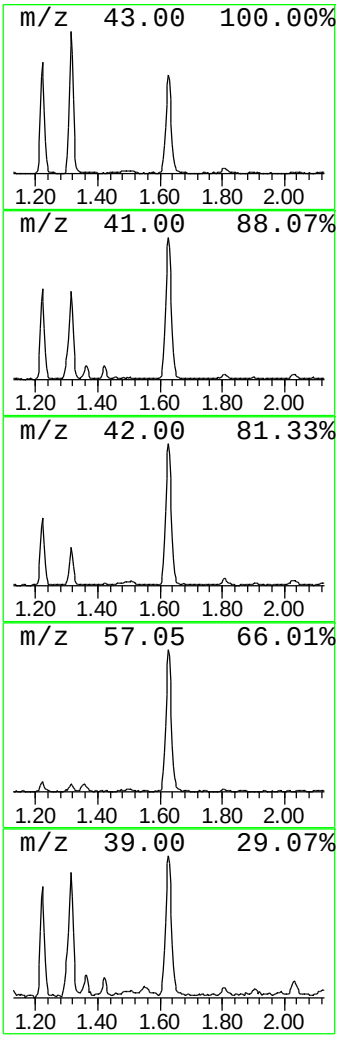
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.63	11.12 ug/L	200895	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	90
3	Butane, 2-methyl-	72	C5H12	000078-78-4	72
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060520\
Data File : VV016560.D
Acq On : 06 Jun 2020 01:41
Operator : SY/MD
Sample : L2862-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D89

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

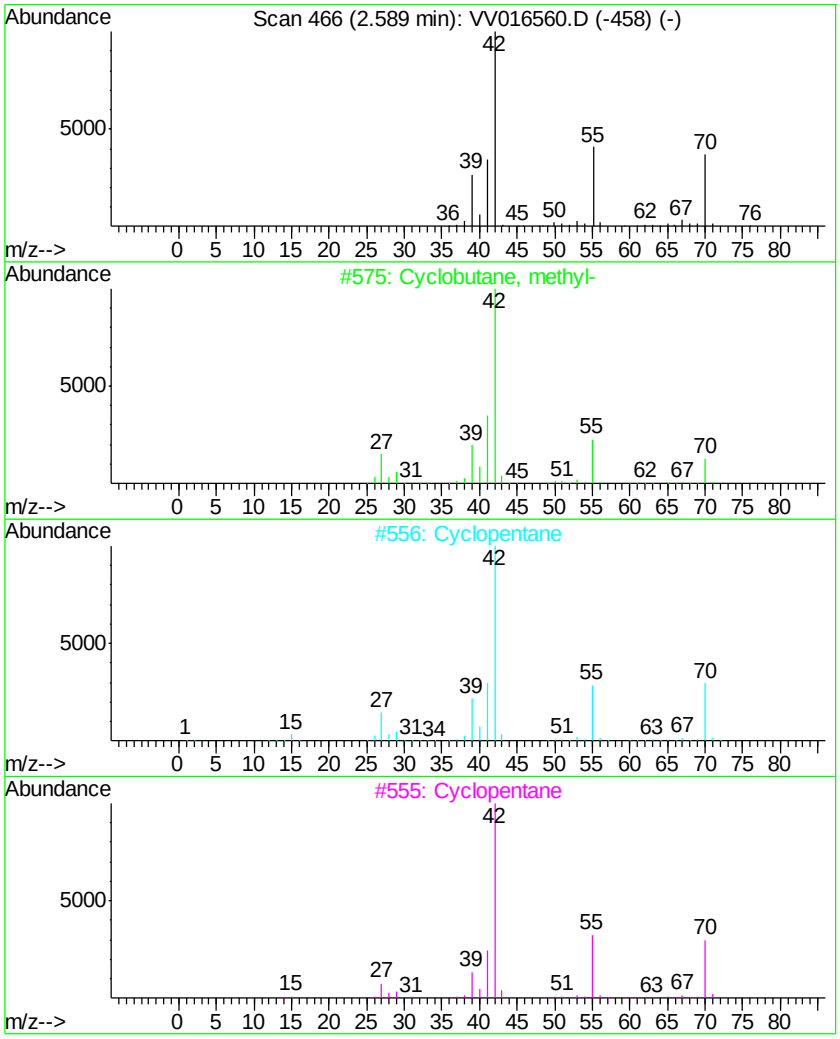
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

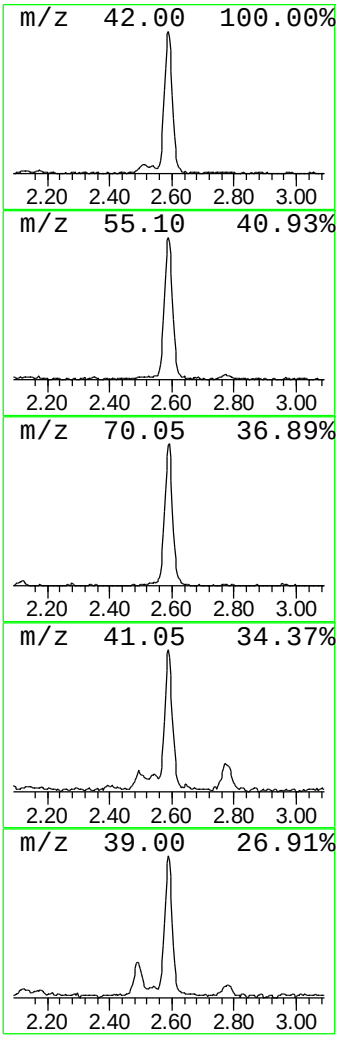
****

Peak Number 3 (DEL) Alkane: Cyclic2.59 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	8.55 ug/L	154548	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	86
2	Cyclopentane	70	C5H10	000287-92-3	80
3	Cyclopentane	70	C5H10	000287-92-3	80
4	1-Pentene	70	C5H10	000109-67-1	64
5	1-Pentene	70	C5H10	000109-67-1	50





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060520\
Data File : VV016560.D
Acq On : 06 Jun 2020 01:41
Operator : SY/MD
Sample : L2862-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D89

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

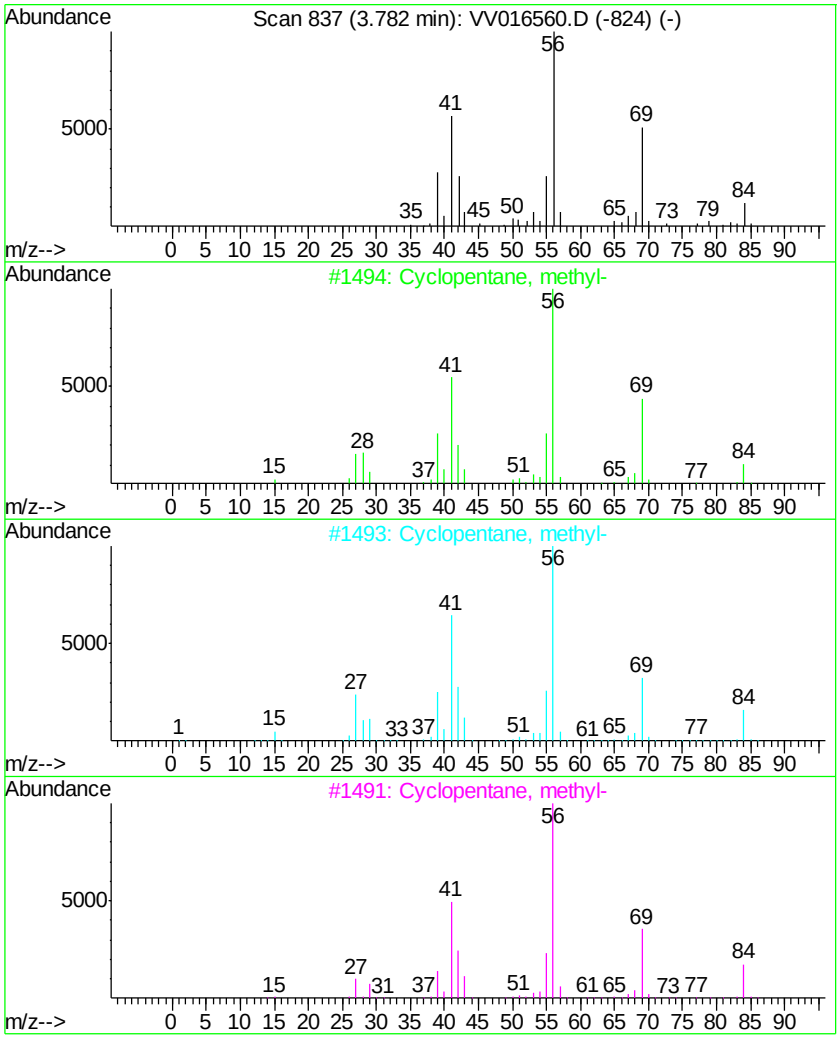
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

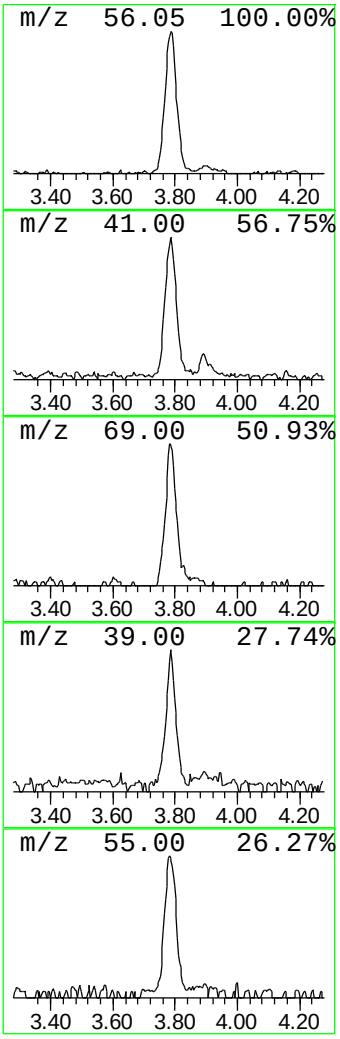
****

Peak Number 4 (DEL) Alkane: Cyclic3.78 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	4.58 ug/L	82739	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclohexane	84	C6H12	000110-82-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060520\
Data File : VV016560.D
Acq On : 06 Jun 2020 01:41
Operator : SY/MD
Sample : L2862-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D89

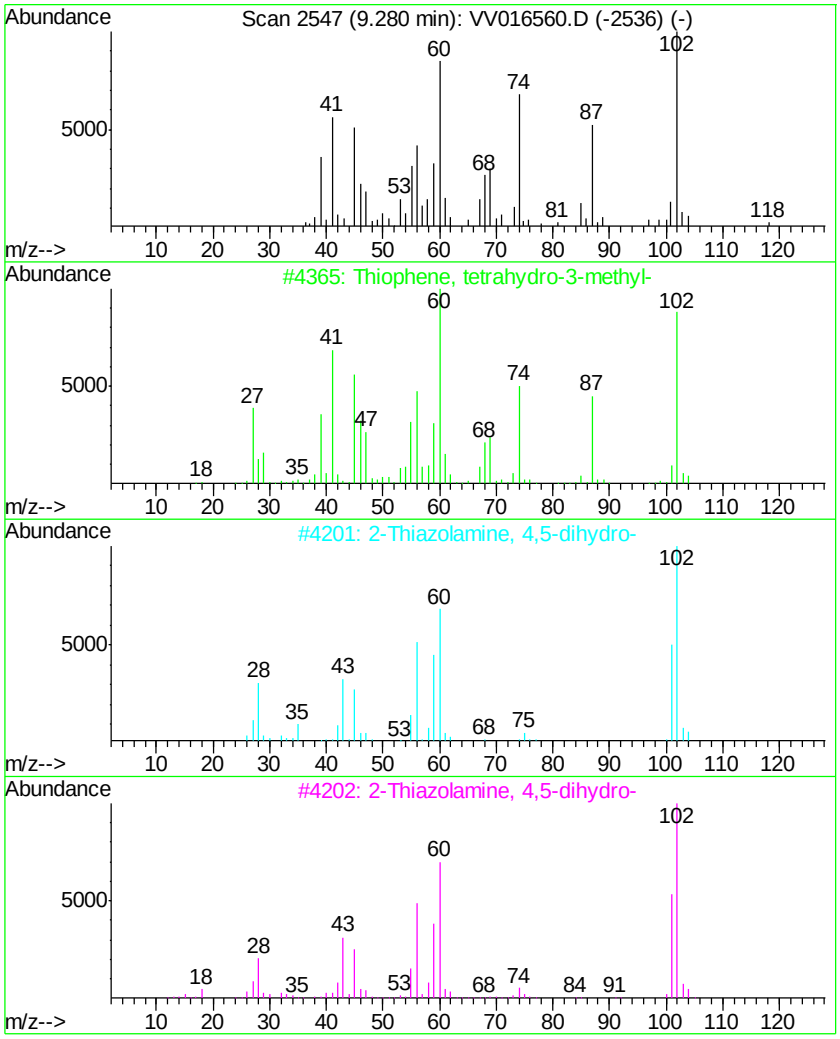
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis

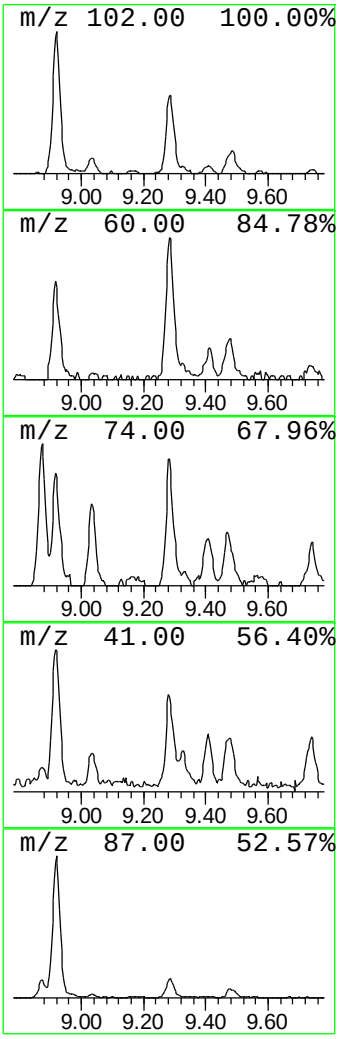
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	3.65 ug/L	79621	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	96
2	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	46
3	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	43
4	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	43
5	1-Butene, 1-(methylthio)-, (Z)-	102	C5H10S	017414-15-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060520\
Data File : VV016560.D
Acq On : 06 Jun 2020 01:41
Operator : SY/MD
Sample : L2862-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9D89

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	5.1	ug/L	92894	1	5.64	903358	50.0
(DEL) Alkane: Str...	1.63	11.1	ug/L	200895	1	5.64	903358	50.0
(DEL) Alkane: Cyc...	2.59	8.6	ug/L	154548	1	5.64	903358	50.0
(DEL) Alkane: Cyc...	3.78	4.6	ug/L	82739	1	5.64	903358	50.0
Thiophene, tetrah...	9.28	3.6	ug/L	79621	2	8.87	1091010	50.0