LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042219\
Data File : VV010445.D
Acq On : 23 Apr 2019 09:33
Operator : SY/MD
Sample : K2481-12
Misc : 5.00G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW5

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\SOM2VLM042219S.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	2.132	314	324	333	rVB3	7733	11896	19.77%	3.141%
2	2.171	333	336	337	rBV2	569	340	0.57%	0.090%
3	2.351	389	392	396	rBV3	574	496	0.82%	0.131%
4	2.389	402	404	409	rVB3	385	241	0.40%	0.064%
5	2.418	409	413	416	rBV	475	395	0.66%	0.104%
6	2.444	418	421	424	rBV2	488	323	0.54%	0.085%
7	2.531	444	448	449	rBV4	1303	967	1.61%	0.255%
8	2.656	483	487	489	rBV2	658	444	0.74%	0.117%
9	2.691	492	498	500	rBV	476	378	0.63%	0.100%
10	2.753	514	517	520	rBV	349	248	0.41%	0.065%
11	2.990	587	591	595	rBV2	517	484	0.80%	0.128%
12	3.019	598	600	601	rVV2	453	250	0.42%	0.066%
13	3.042	605	607	611	rVV2	459	312	0.52%	0.082%
14	3.180	647	650	652	rBV	352	256	0.43%	0.068%
15	3.206	655	658	663	rBV2	397	414	0.69%	0.109%
16	3.286	680	683	685	rVV	379	268	0.45%	0.071%
17	3.399	715	718	722	rBV2	645	550	0.91%	0.145%
18	3.425	724	726	730	rBV2	439	272	0.45%	0.072%
19	3.563	765	769	775	rBV3	455	522	0.87%	0.138%
20	3.662	794	800	803	rBV	523	570	0.95%	0.151%
21	3.772	831	834	836	rBV2	458	274	0.46%	0.072%
22	3.817	845	848	849	rBV2	357	230	0.38%	0.061%
23	3.945	881	888	891	rBV5	1643	2550	4.24%	0.673%
24	4.129	939	945	946	rBV3	2271	2107	3.50%	0.556%
25	4.334	1004	1009	1011	rBV2	745	592	0.98%	0.156%
26	4.489	1055	1057	1060	rBV2	677	348	0.58%	0.092%
27	4.508	1060	1063	1066	rBV2	537	383	0.64%	0.101%
28	4.572	1078	1083	1085	rBV2	506	484	0.80%	0.128%
29	4.843	1163	1167	1171	rBV2	635	546	0.91%	0.144%
30	4.920	1188	1191	1193	rBV	424	227	0.38%	0.060%
31	4.933	1193	1195	1201	rVB2	443	337	0.56%	0.089%
32	4.968	1201	1206	1209	rBV2	350	371	0.62%	0.098%
33	5.097	1230	1246	1265	rBV7	22215	60168	100.00%	15.888%
34	5.286	1302	1305	1307	rBV2	639	424	0.70%	0.112%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\
Data File : VV010445.D
Acq On : 23 Apr 2019 09:33
Operator : SY/MD
Sample : K2481-12
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW5

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\SOM2VLM042219S.M
Title : VOC Analysis

35	5.370	1327	1331	1335	rBV2	432	464	0.77%	0.123%
36	5.415	1340	1345	1348	rVB3	610	494	0.82%	0.130%
37	5.441	1348	1353	1356	rBV2	567	463	0.77%	0.122%
38	5.534	1379	1382	1384	rBV	603	425	0.71%	0.112%
39	5.669	1413	1424	1444	rBV2	19054	39299	65.32%	10.377%
40	5.830	1471	1474	1477	rBV2	575	410	0.68%	0.108%
41	5.855	1480	1482	1486	rBV2	564	326	0.54%	0.086%
42	5.897	1490	1495	1497	rBV	335	325	0.54%	0.086%
43	5.952	1508	1512	1516	rVB3	648	528	0.88%	0.139%
44	6.039	1537	1539	1544	rVB2	646	365	0.61%	0.096%
45	6.071	1544	1549	1550	rBV	401	270	0.45%	0.071%
46	6.119	1554	1564	1587	rVV5	14203	30321	50.39%	8.007%
47	6.257	1604	1607	1609	rBV2	385	290	0.48%	0.077%
48	6.637	1722	1725	1731	rBV2	644	604	1.00%	0.159%
49	6.759	1760	1763	1767	rBV	402	327	0.54%	0.086%
50	6.961	1823	1826	1828	rBV	680	298	0.50%	0.079%
51	6.977	1828	1831	1833	rBV	528	327	0.54%	0.086%
52	7.039	1839	1850	1860	rBV6	6228	11805	19.62%	3.117%
53	7.138	1877	1881	1884	rBV	384	255	0.42%	0.067%
54	7.183	1890	1895	1897	rBV2	420	397	0.66%	0.105%
55	7.302	1928	1932	1935	rBV3	734	573	0.95%	0.151%
56	7.363	1942	1951	1964	rBV2	19509	34124	56.71%	9.011%
57	7.489	1987	1990	1992	rBV3	497	272	0.45%	0.072%
58	7.669	2038	2046	2060	rBV9	3320	6566	10.91%	1.734%
59	7.826	2090	2095	2098	rBV3	721	743	1.23%	0.196%
60	8.077	2170	2173	2176	rVB3	524	306	0.51%	0.081%
61	8.093	2176	2178	2180	rBV2	719	400	0.66%	0.106%
62	8.145	2184	2194	2198	rBV5	4032	6224	10.34%	1.644%
63	8.466	2285	2294	2296	rBV3	730	643	1.07%	0.170%
64	8.476	2296	2297	2301	rVV	317	234	0.39%	0.062%
65	8.617	2338	2341	2347	rBV3	543	635	1.06%	0.168%
66	8.685	2360	2362	2365	rVB	661	304	0.51%	0.080%
67	8.711	2365	2370	2371	rBV	362	301	0.50%	0.079%
68	8.746	2378	2381	2388	rBV2	403	440	0.73%	0.116%
69	8.900	2419	2429	2447	rBV	24546	46186	76.76%	12.196%
70	9.064	2475	2480	2482	rBV2	374	357	0.59%	0.094%
71	9.196	2520	2521	2526	rVB2	589	289	0.48%	0.076%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\
Data File : VV010445.D
Acq On : 23 Apr 2019 09:33
Operator : SY/MD
Sample : K2481-12
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW5

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\SOM2VLM042219S.M
Title : VOC Analysis

72	9.450	2597	2600	2603	rBV2	400	282	0.47%	0.074%
73	9.624	2651	2654	2658	rVV	488	347	0.58%	0.092%
74	9.852	2722	2725	2731	rVB2	402	284	0.47%	0.075%
75	10.038	2779	2783	2787	rBV2	477	391	0.65%	0.103%
76	10.267	2843	2854	2866	rBV4	16193	28099	46.70%	7.420%
77	10.418	2898	2901	2903	rBV3	848	570	0.95%	0.151%
78	10.501	2924	2927	2931	rBV	421	364	0.60%	0.096%
79	10.546	2937	2941	2944	rBV2	572	404	0.67%	0.107%
80	10.675	2977	2981	2984	rBV2	595	386	0.64%	0.102%
81	10.701	2987	2989	2993	rBV	456	357	0.59%	0.094%
82	10.800	3017	3020	3024	rVB2	521	324	0.54%	0.086%
83	11.006	3082	3084	3090	rBV3	525	600	1.00%	0.158%
84	11.035	3090	3093	3096	rVB	666	434	0.72%	0.115%
85	11.093	3108	3111	3119	rBV3	636	680	1.13%	0.180%
86	11.299	3165	3175	3192	rVB4	17503	31049	51.60%	8.199%
87	11.360	3192	3194	3196	rBV2	512	266	0.44%	0.070%
88	11.418	3208	3212	3216	rBV2	552	524	0.87%	0.138%
89	11.537	3247	3249	3254	rBV2	438	295	0.49%	0.078%
90	11.643	3279	3282	3284	rBV2	838	563	0.94%	0.149%
91	11.675	3285	3292	3306	rVB2	16329	27304	45.38%	7.210%
92	11.807	3329	3333	3336	rBV2	626	485	0.81%	0.128%
93	11.913	3362	3366	3369	rVB2	588	473	0.79%	0.125%
94	11.929	3369	3371	3372	rBV	599	270	0.45%	0.071%
95	12.283	3479	3481	3483	rBV2	749	511	0.85%	0.135%
96	12.398	3515	3517	3523	rBV3	492	420	0.70%	0.111%
97	12.447	3529	3532	3534	rBV2	492	322	0.54%	0.085%
98	13.138	3745	3747	3751	rBV2	978	362	0.60%	0.096%
99	13.363	3814	3817	3819	rBV2	648	428	0.71%	0.113%
100	13.562	3867	3879	3886	rBV4	3634	6647	11.05%	1.755%

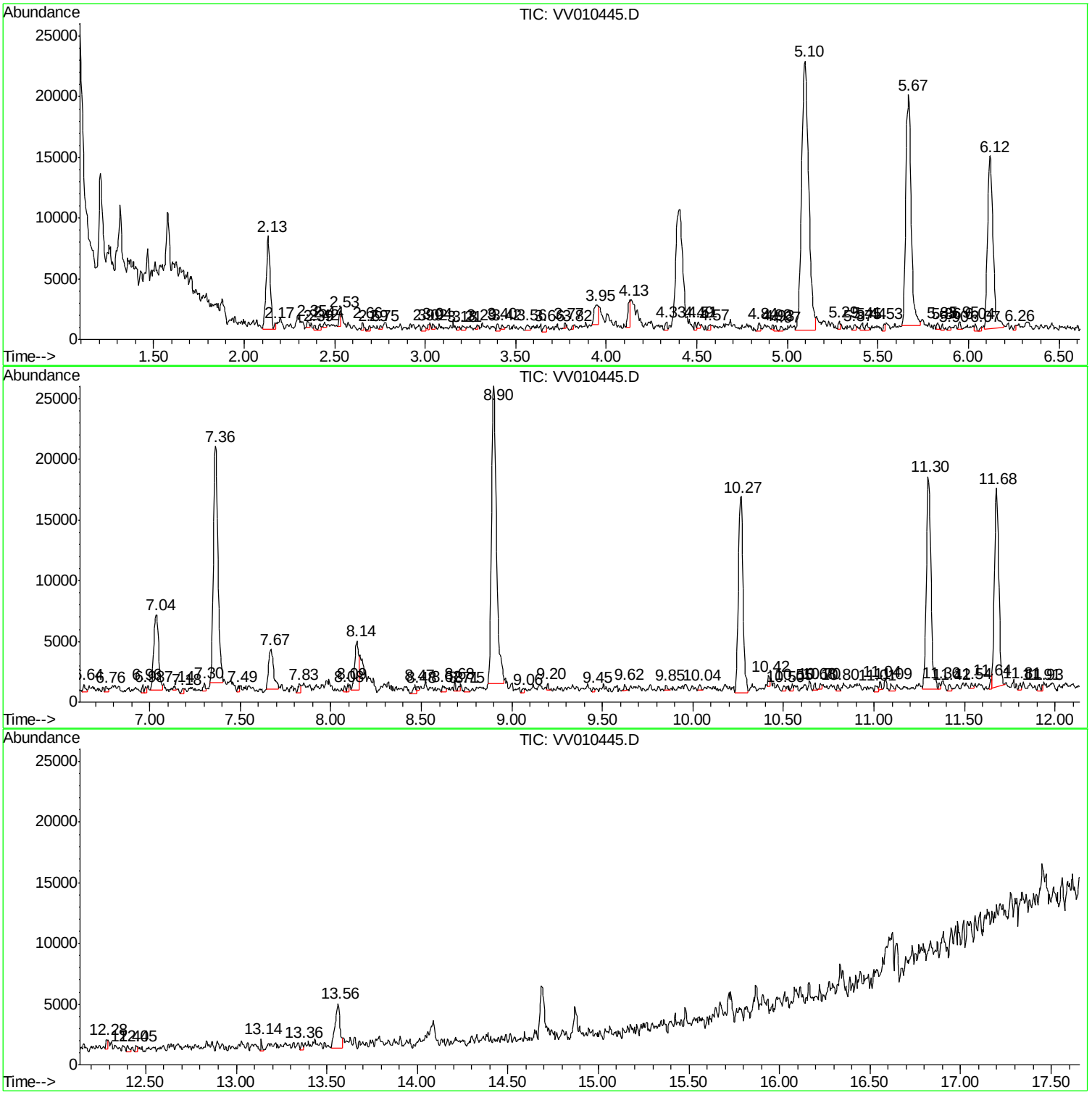
Sum of corrected areas: 378698

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\
Data File : VV010445.D
Acq On : 23 Apr 2019 09:33
Operator : SY/MD
Sample : K2481-12
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHW5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.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\VV042219\
Data File : VV010445.D
Acq On : 23 Apr 2019 09:33
Operator : SY/MD
Sample : K2481-12
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

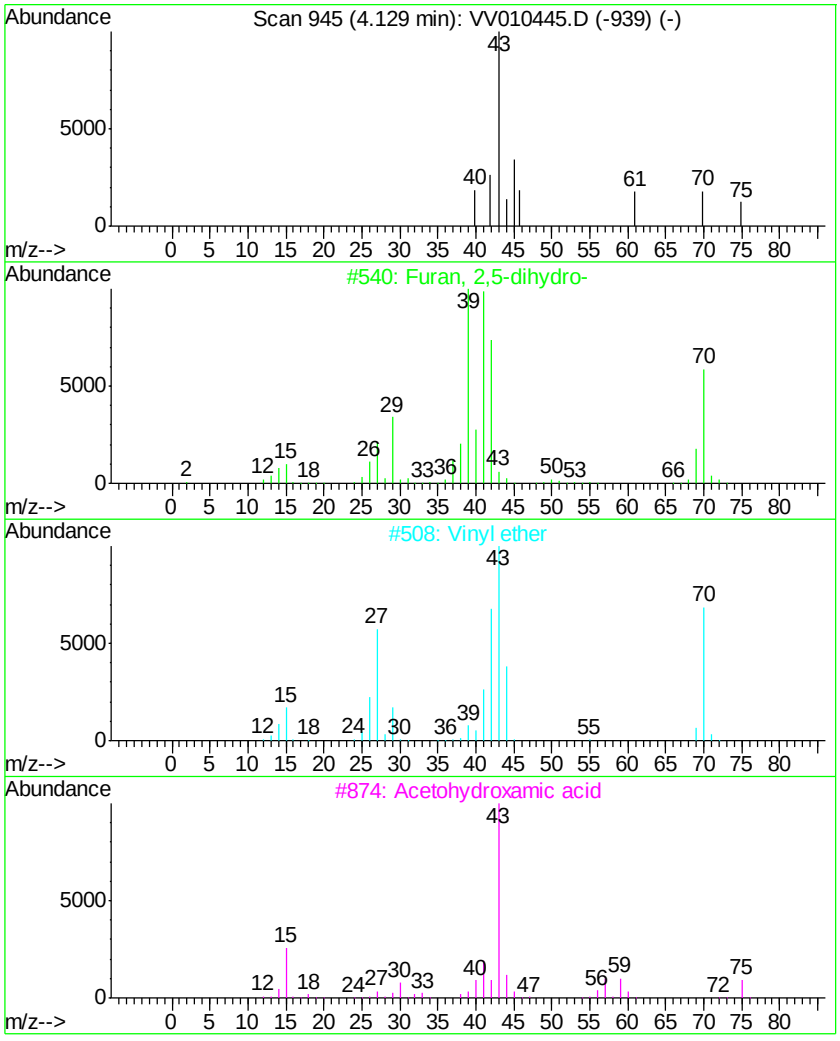
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

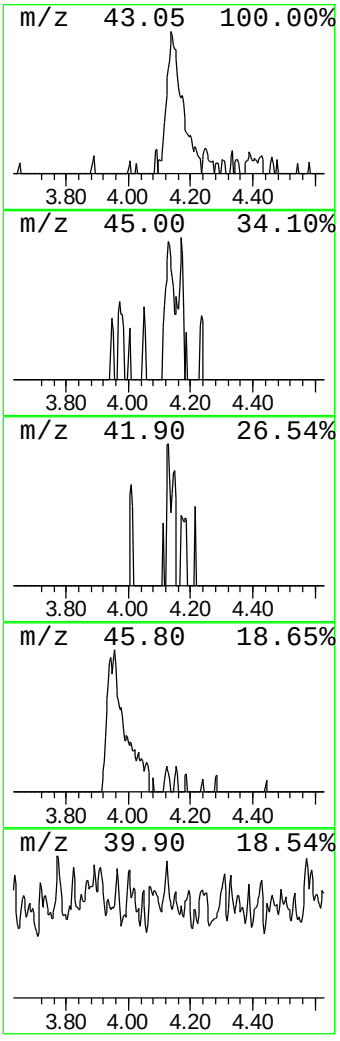
****

Peak Number 1 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.13	1.34 ug/L	2107	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	7
2	Vinyl ether	70	C4H6O	000109-93-3	7
3	Acetohydroxamic acid	75	C2H5NO2	000546-88-3	5
4	Ethanol	46	C2H6O	000064-17-5	4
5	Ethanol	46	C2H6O	000064-17-5	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\
Data File : VV010445.D
Acq On : 23 Apr 2019 09:33
Operator : SY/MD
Sample : K2481-12
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

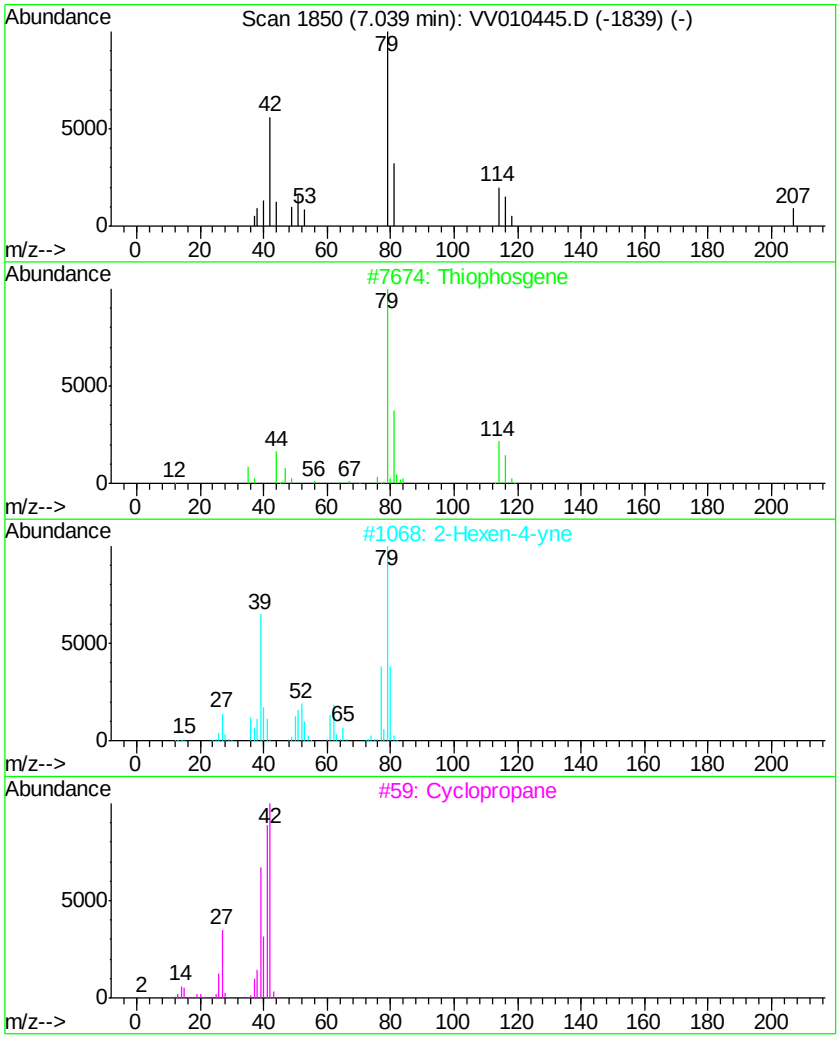
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

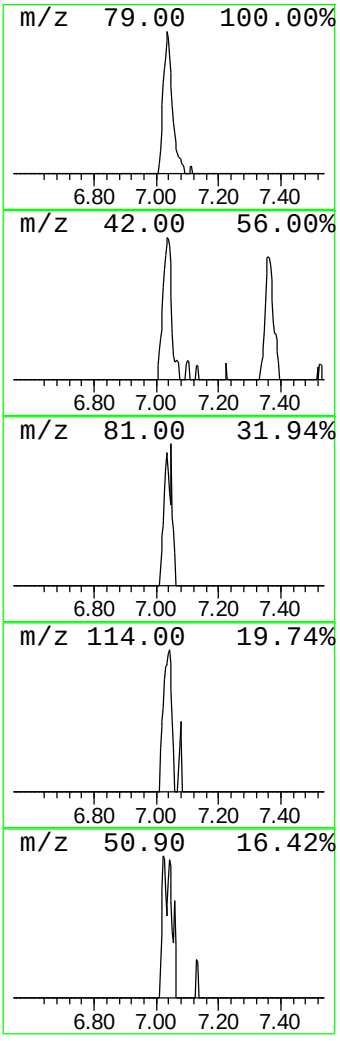
****

Peak Number 2 Thiophosgene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	7.51 ug/L	11805	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophosgene	114	CCl2S	000463-71-8	50
2	2-Hexen-4-yne	80	C6H8	014092-20-7	17
3	Cyclopropane	42	C3H6	000075-19-4	9
4	Cyclopropane	42	C3H6	000075-19-4	9
5	Cyclopropane, ethenylmethylene-	80	C6H8	019995-92-7	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\
Data File : VV010445.D
Acq On : 23 Apr 2019 09:33
Operator : SY/MD
Sample : K2481-12
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis

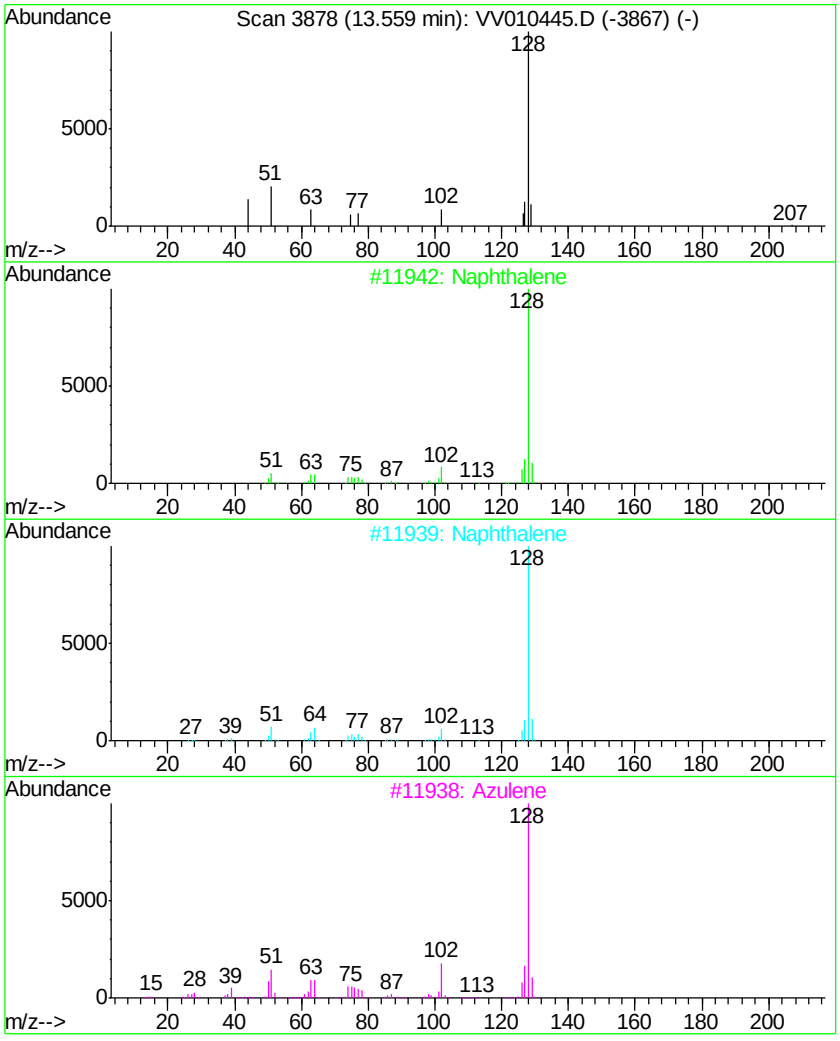
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

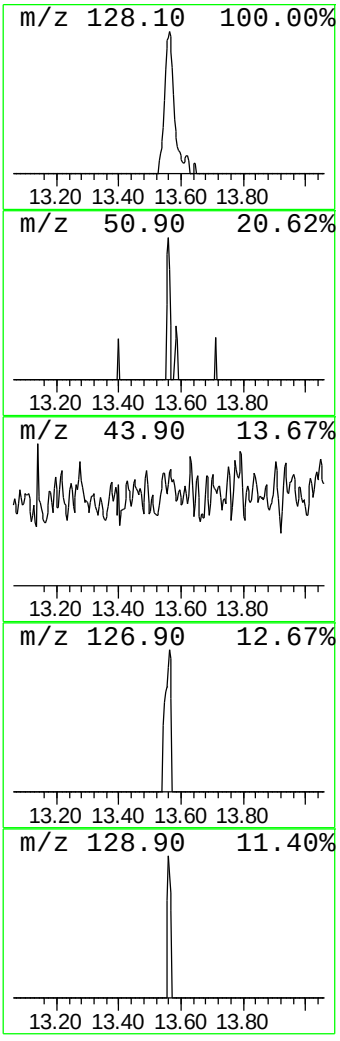
****

Peak Number 3 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	5.35 ug/L	6647	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	86
2	Naphthalene	128	C10H8	000091-20-3	80
3	Azulene	128	C10H8	000275-51-4	72
4	Azulene	128	C10H8	000275-51-4	72
5	Azulene	128	C10H8	000275-51-4	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\
Data File : VV010445.D
Acq On : 23 Apr 2019 09:33
Operator : SY/MD
Sample : K2481-12
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHW5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.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
unknown-01	4.13	1.3	ug/L	2107	1	5.67	39299	25.0
Thiophosgene	7.04	7.5	ug/L	11805	1	5.67	39299	25.0
Azulene	13.56	5.3	ug/L	6647	3	11.30	31049	25.0