LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
Data File : VU030242.D
Acq On : 20 Mar 2019 22:49
Operator : JC/SP
Sample : K2022-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09C8

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_U\METHOD\SOMULM031919WMA.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	1.183	25	29	36	rVB3	10495	8904	0.00%	0.001%
2	1.399	89	96	108	rBV	224061	225442	0.07%	0.027%
3	1.682	176	184	204	rVB	177371	233538	0.08%	0.028%
4	2.270	356	367	378	rBV	380150	579796	0.19%	0.070%
5	2.440	408	420	445	rBV	339172	600607	0.20%	0.073%
6	2.749	511	516	521	rVB4	2725	3378	0.00%	0.000%
7	2.894	558	561	566	rVB3	1275	1203	0.00%	0.000%
8	2.993	585	592	594	rBV5	2439	3013	0.00%	0.000%
9	3.286	679	683	684	rBV	1944	1373	0.00%	0.000%
10	3.337	697	699	703	rVB	1358	841	0.00%	0.000%
11	3.376	706	711	716	rBV	1147	1396	0.00%	0.000%
12	3.408	716	721	726	rBV2	971	1000	0.00%	0.000%
13	3.553	760	766	770	rVB	1173	1291	0.00%	0.000%
14	3.643	790	794	800	rBV	1046	1242	0.00%	0.000%
15	3.681	800	806	811	rBV2	1246	1253	0.00%	0.000%
16	3.710	811	815	820	rVB	1182	1116	0.00%	0.000%
17	3.736	820	823	825	rBV	1160	857	0.00%	0.000%
18	3.784	834	838	846	rVB	1978	2247	0.00%	0.000%
19	4.000	900	905	908	rBV3	808	829	0.00%	0.000%
20	4.093	916	934	948	rBV3	35432	100675	0.03%	0.012%
21	4.173	948	959	990	rBV	159732	420214	0.14%	0.051%
22	4.379	1013	1023	1045	rBV	63348	148621	0.05%	0.018%
23	4.556	1075	1078	1081	rBV	1558	1063	0.00%	0.000%
24	4.646	1087	1106	1130	rBV	288580	684170	0.23%	0.083%
25	4.820	1157	1160	1162	rBV	1092	801	0.00%	0.000%
26	4.874	1175	1177	1183	rVV3	1674	1154	0.00%	0.000%
27	4.993	1200	1214	1227	rBV6	24725	57426	0.02%	0.007%
28	5.077	1235	1240	1243	rBV4	2185	2354	0.00%	0.000%
29	5.225	1274	1286	1290	rBV7	5712	12622	0.00%	0.002%
30	5.337	1300	1321	1333	rBV2	591432	1717436	0.57%	0.209%
31	5.556	1380	1389	1399	rVV8	10894	21746	0.01%	0.003%
32	5.620	1400	1409	1422	rVB4	18218	39218	0.01%	0.005%
33	5.778	1454	1458	1460	rBV	3095	2674	0.00%	0.000%
34	5.884	1473	1491	1529	rBV	573739	1168223	0.39%	0.142%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
Data File : VU030242.D
Acq On : 20 Mar 2019 22:49
Operator : JC/SP
Sample : K2022-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09C8

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_U\METHOD\SOMULM031919WMA.M
Title : VOC Analysis

35	6.154	1570	1575	1579	rBV	1246	1355	0.00%	0.000%
36	6.180	1579	1583	1586	rBV	1230	903	0.00%	0.000%
37	6.218	1591	1595	1598	rBV	1135	943	0.00%	0.000%
38	6.328	1614	1629	1641	rBV	382121	767023	0.25%	0.093%
39	6.636	1714	1725	1739	rBV4	20388	39951	0.01%	0.005%
40	6.742	1753	1758	1764	rVB	971	1143	0.00%	0.000%
41	6.771	1764	1767	1771	rBV	1566	1301	0.00%	0.000%
42	6.849	1787	1791	1795	rBV	1143	907	0.00%	0.000%
43	6.961	1823	1826	1830	rBV	1050	808	0.00%	0.000%
44	7.019	1842	1844	1846	rBV	1329	807	0.00%	0.000%
45	7.067	1855	1859	1861	rBV2	1785	1267	0.00%	0.000%
46	7.128	1869	1878	1887	rBV	1661	2457	0.00%	0.000%
47	7.186	1890	1896	1897	rBV2	1153	1176	0.00%	0.000%
48	7.225	1897	1908	1932	rBV	215803	394545	0.13%	0.048%
49	7.392	1957	1960	1963	rVB2	1487	956	0.00%	0.000%
50	7.479	1984	1987	1993	rBV	1216	1159	0.00%	0.000%
51	7.562	2000	2013	2031	rBV	801216	1421541	0.47%	0.173%
52	7.733	2063	2066	2070	rBV2	1232	981	0.00%	0.000%
53	7.849	2091	2102	2123	rBV	148491	263834	0.09%	0.032%
54	7.964	2135	2138	2146	rVB	1500	1449	0.00%	0.000%
55	8.093	2173	2178	2183	rVB2	1119	1112	0.00%	0.000%
56	8.176	2186	2204	2211	rBV3	5767	12186	0.00%	0.001%
57	8.228	2212	2220	2232	rVB3	17434	30198	0.01%	0.004%
58	8.308	2234	2245	2283	rBV	563105	1041776	0.34%	0.127%
59	8.530	2311	2314	2317	rBV2	1182	842	0.00%	0.000%
60	8.591	2330	2333	2341	rVB3	1228	1034	0.00%	0.000%
61	8.746	2378	2381	2386	rVB3	1717	1367	0.00%	0.000%
62	8.913	2429	2433	2437	rBV2	886	886	0.00%	0.000%
63	8.993	2452	2458	2465	rVB	1593	1832	0.00%	0.000%
64	9.128	2471	2500	2545	rBV3	58369198	113456323	37.43%	13.786%
65	9.566	2633	2636	2640	rVB	1534	1001	0.00%	0.000%
66	9.993	2765	2769	2773	rBV3	997	1092	0.00%	0.000%
67	10.025	2775	2779	2783	rVV2	800	951	0.00%	0.000%
68	10.077	2792	2795	2802	rVB2	1556	1982	0.00%	0.000%
69	10.173	2820	2825	2829	rVB2	1683	1622	0.00%	0.000%
70	10.273	2853	2856	2860	rVB	1130	1034	0.00%	0.000%
71	10.299	2860	2864	2866	rBV	1311	949	0.00%	0.000%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
Data File : VU030242.D
Acq On : 20 Mar 2019 22:49
Operator : JC/SP
Sample : K2022-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09C8

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_U\METHOD\SOMULM031919WMA.M
Title : VOC Analysis

72	10.340	2872	2877	2880	rBV	1176	1308	0.00%	0.000%
73	10.427	2892	2904	2933	rVB	616273	1029007	0.34%	0.125%
74	10.540	2933	2939	2944	rVB3	1500	1848	0.00%	0.000%
75	10.565	2944	2947	2950	rBV	1088	990	0.00%	0.000%
76	10.614	2955	2962	2967	rVB5	3201	4604	0.00%	0.001%
77	10.662	2967	2977	2988	rBV2	30235	49360	0.02%	0.006%
78	10.774	3001	3012	3026	rBV2	18178	31047	0.01%	0.004%
79	10.874	3038	3043	3046	rBV	1205	950	0.00%	0.000%
80	11.000	3078	3082	3084	rBV2	1252	823	0.00%	0.000%
81	11.151	3124	3129	3137	rVB4	3991	5214	0.00%	0.001%
82	11.202	3141	3145	3149	rBV3	1226	1552	0.00%	0.000%
83	11.344	3185	3189	3193	rVB2	1475	1255	0.00%	0.000%
84	11.418	3196	3212	3225	rBV	15953794	25485762	8.41%	3.097%
85	11.520	3225	3244	3267	rVB4	77133292	147714803	48.73%	17.949%
86	11.758	3310	3318	3336	rVB7	19547	48274	0.02%	0.006%
87	11.916	3339	3367	3394	rBV5	110631463	303141816	100.00%	36.835%
88	12.633	3579	3590	3603	rBV	174757	280964	0.09%	0.034%
89	12.816	3637	3647	3660	rBV4	33629	80364	0.03%	0.010%
90	12.887	3660	3669	3685	rVB2	61605	99181	0.03%	0.012%
91	12.987	3690	3700	3719	rVB	74082	122154	0.04%	0.015%
92	13.234	3771	3777	3784	rVB7	7306	11048	0.00%	0.001%
93	13.520	3845	3866	3904	rBV2	88307698	168415724	55.56%	20.464%
94	13.742	3926	3935	3948	rVB	94220	151757	0.05%	0.018%
95	13.987	3996	4011	4031	rBV	14944242	23795542	7.85%	2.891%
96	14.540	4166	4183	4195	rBV2	104655	241899	0.08%	0.029%
97	14.868	4275	4285	4301	rBV5	13273	28447	0.01%	0.003%
98	15.064	4319	4346	4367	rBV	1797582	4541310	1.50%	0.552%
99	15.646	4512	4527	4564	rBV	15322641	23823638	7.86%	2.895%
100	16.896	4905	4916	4937	rBV	194806	356972	0.12%	0.043%

Sum of corrected areas: 822976029

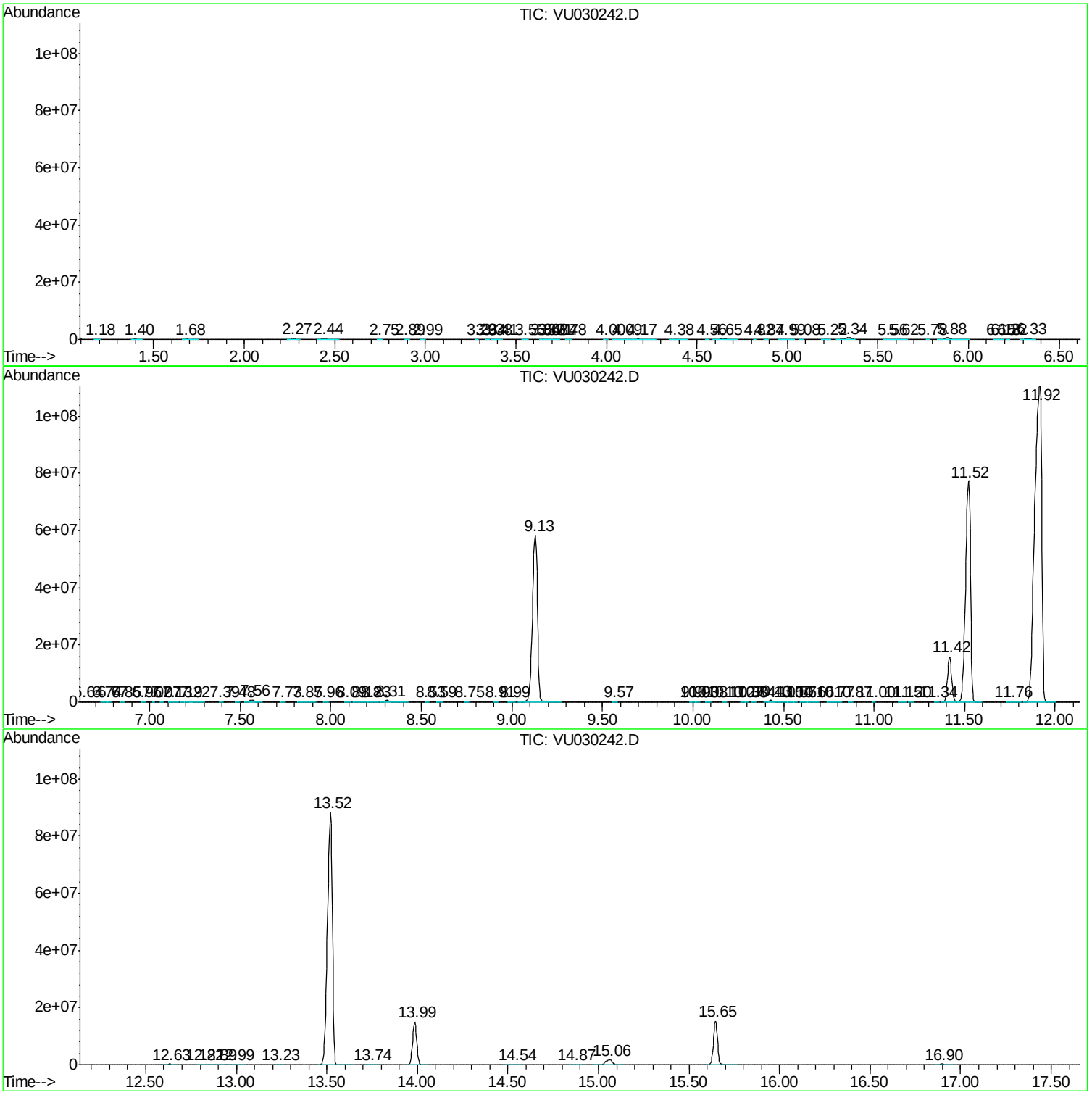
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
Data File : VU030242.D
Acq On : 20 Mar 2019 22:49
Operator : JC/SP
Sample : K2022-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09C8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.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_U\DATA\VU032019\
Data File : VU030242.D
Acq On : 20 Mar 2019 22:49
Operator : JC/SP
Sample : K2022-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09C8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis

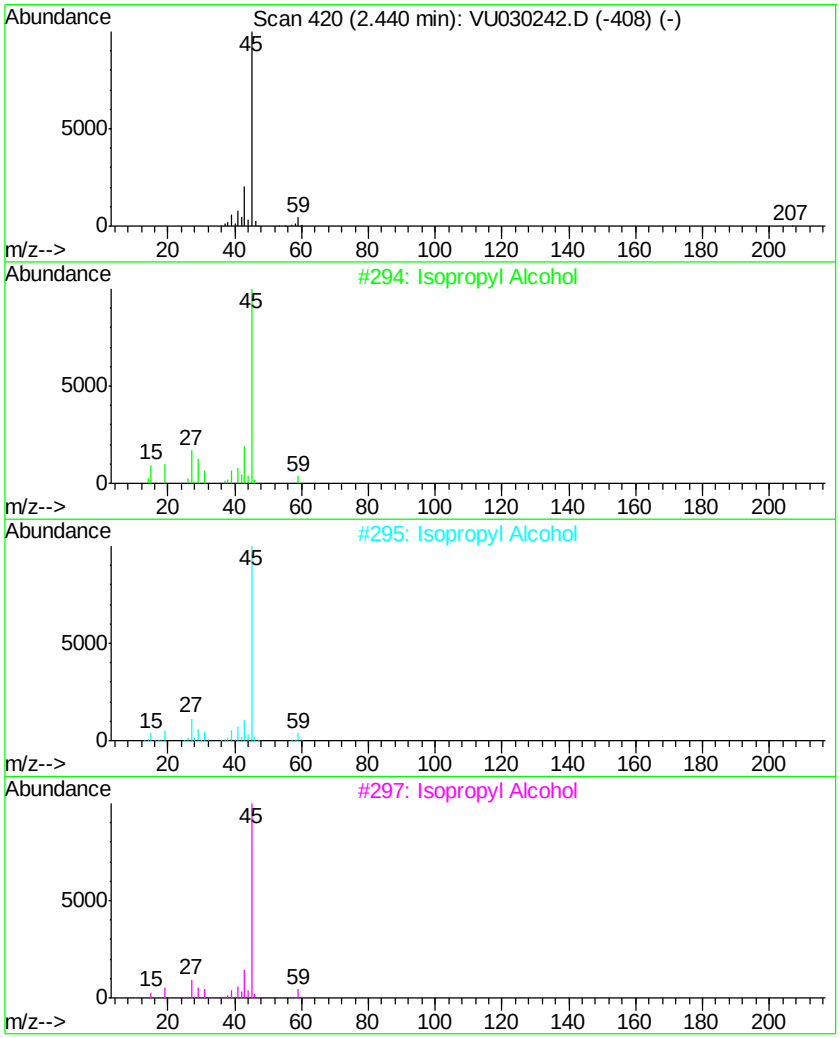
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

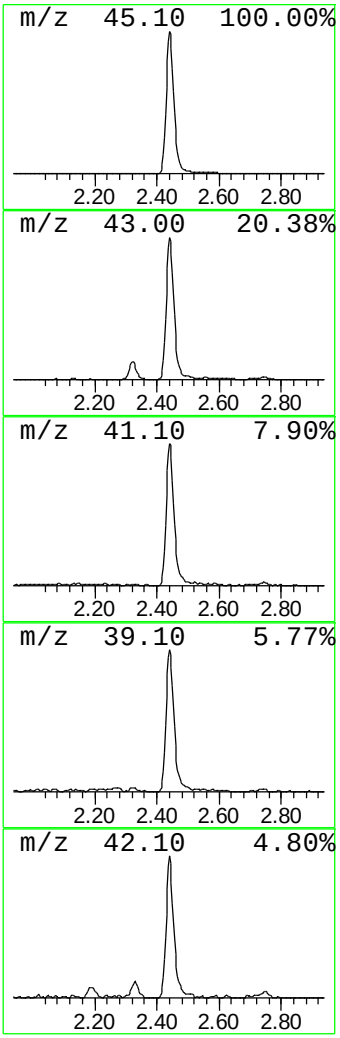
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	25.71 ug/L	600607	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	83
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	64
4	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	9
5	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032019\
Data File : VU030242.D
Acq On : 20 Mar 2019 22:49
Operator : JC/SP
Sample : K2022-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09C8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis

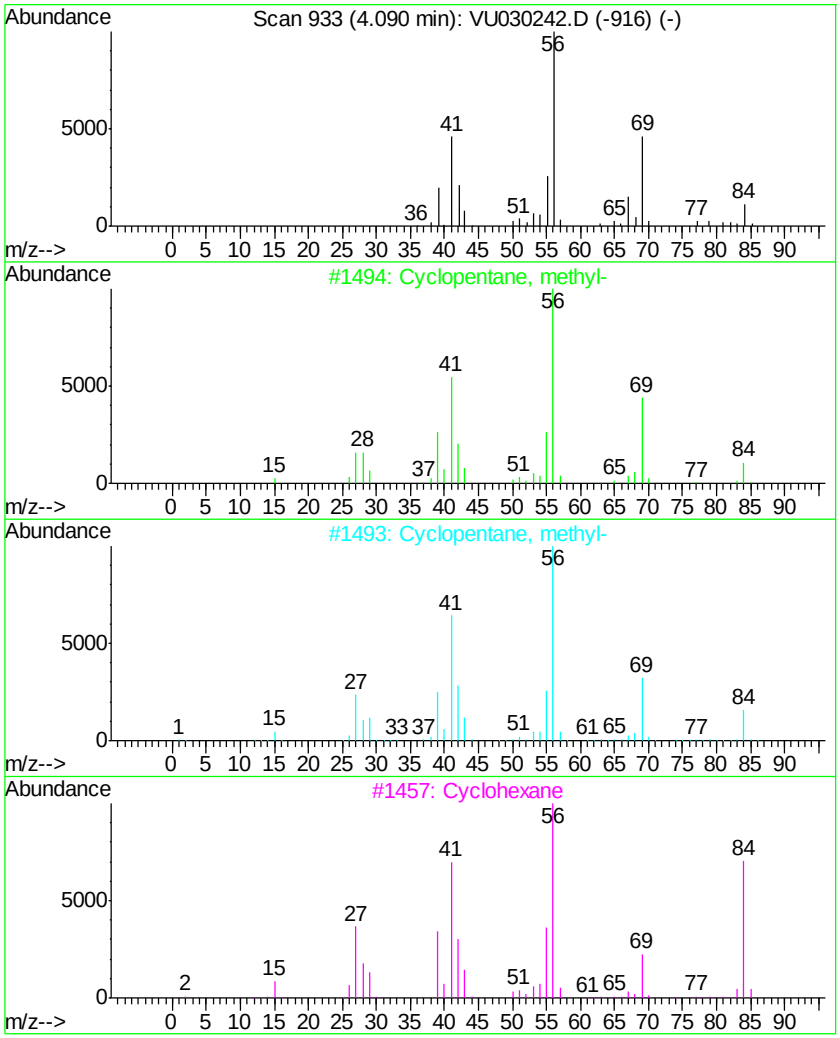
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

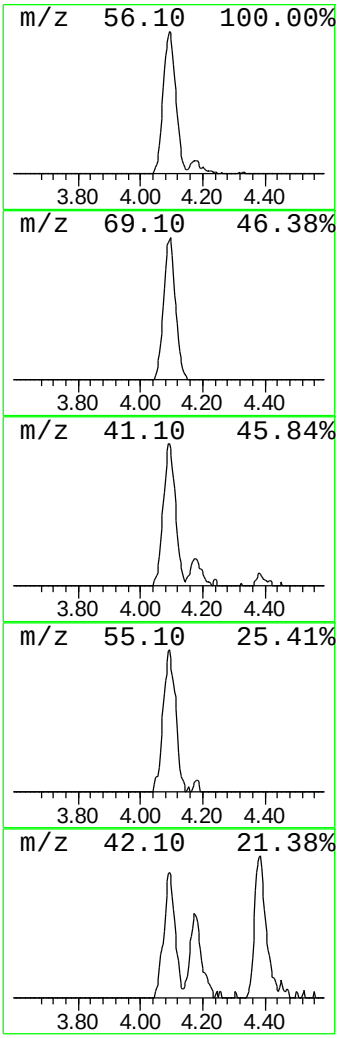
****

Peak Number 2 (DEL) Alkane: Cyclic4.09 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	4.31 ug/L	100675	1,4-Difluorobenzene	5.88

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	86
3	Cyclohexane	84	C6H12	000110-82-7	80
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclohexane	84	C6H12	000110-82-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
Data File : VU030242.D
Acq On : 20 Mar 2019 22:49
Operator : JC/SP
Sample : K2022-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09C8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis

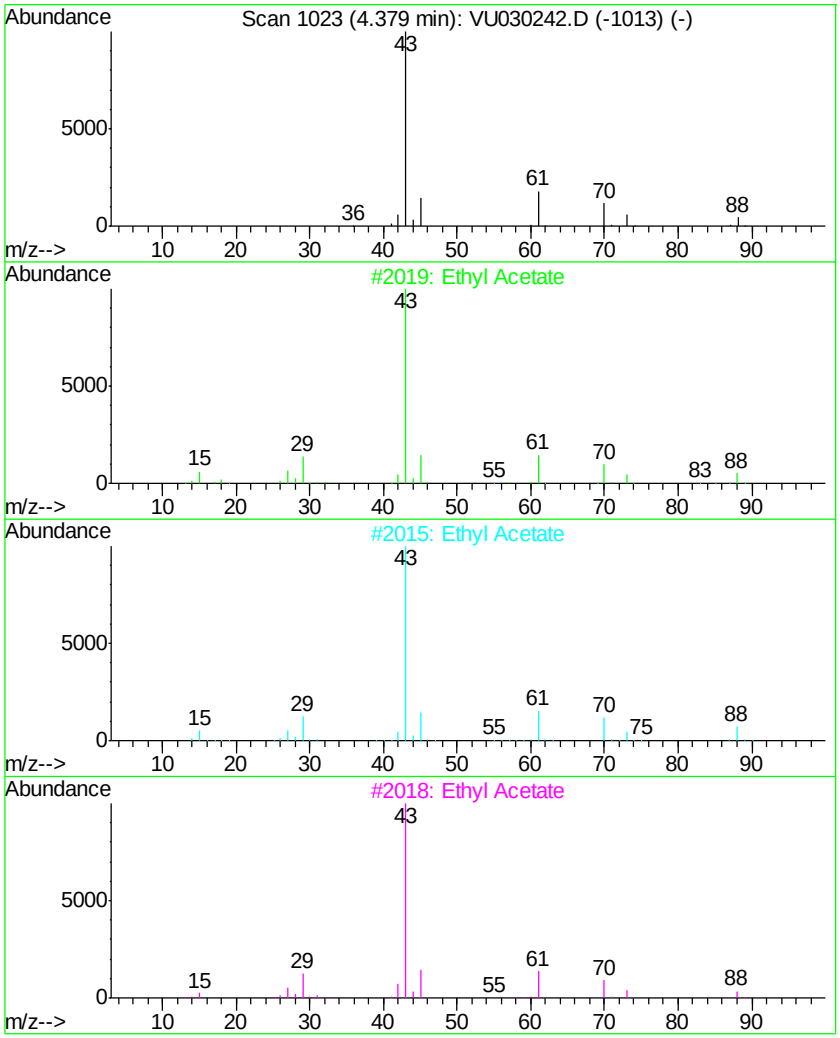
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

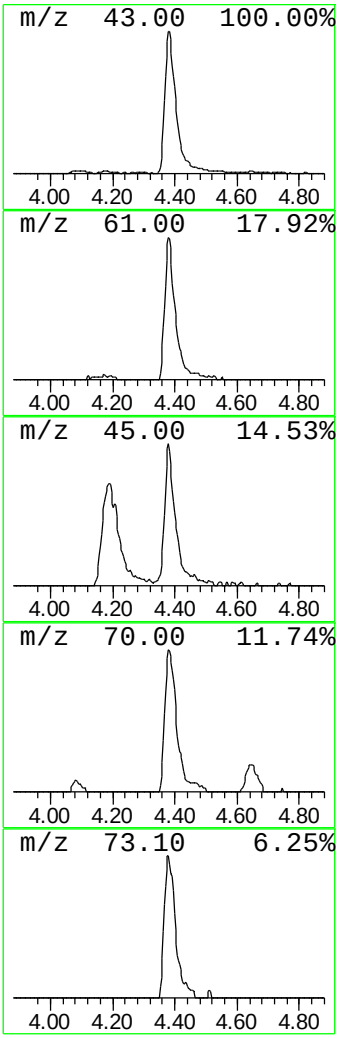
****

Peak Number 3 Ethyl Acetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	6.36 ug/L	148621	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	83
3	Ethyl Acetate	88	C4H8O2	000141-78-6	78
4	Ethyl Acetate	88	C4H8O2	000141-78-6	45
5	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032019\
Data File : VU030242.D
Acq On : 20 Mar 2019 22:49
Operator : JC/SP
Sample : K2022-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09C8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis

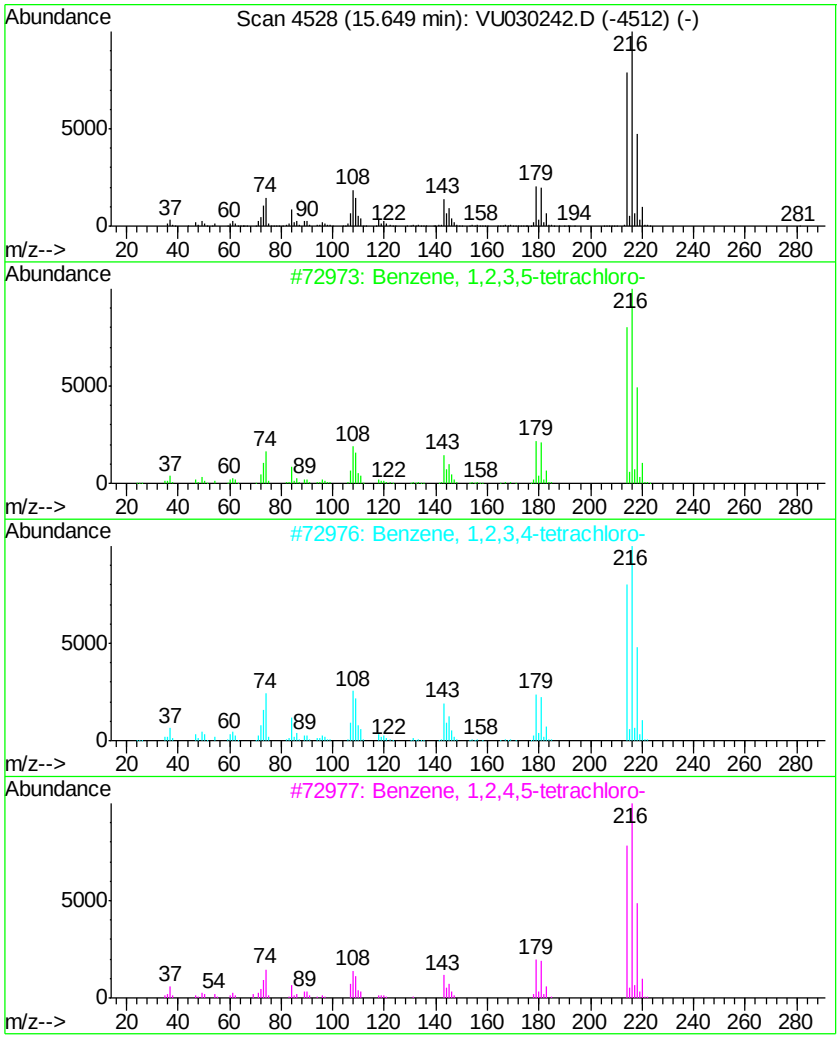
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

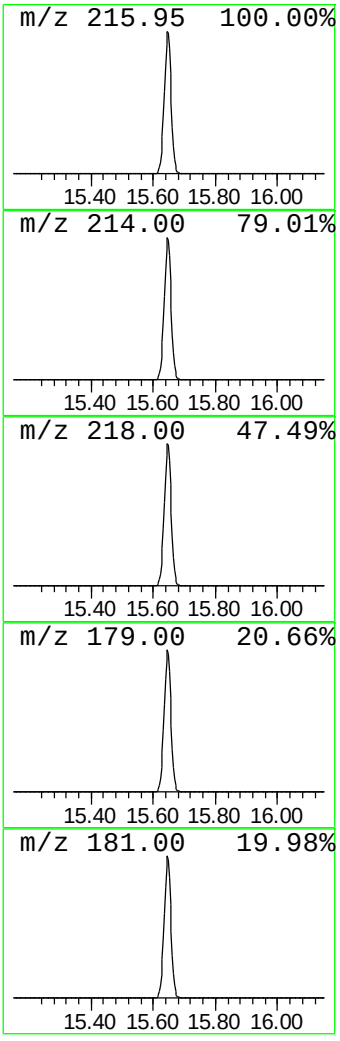
****

Peak Number 5 Benzene, 1,2,3,5-tetrachloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	8.06 ug/L	23823600	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetrachloro-	214	C6H2Cl4	000634-90-2	99
2	Benzene, 1,2,3,4-tetrachloro-	214	C6H2Cl4	000634-66-2	99
3	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	99
4	Benzene, 1,2,3,4-tetrachloro-	214	C6H2Cl4	000634-66-2	99
5	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032019\
Data File : VU030242.D
Acq On : 20 Mar 2019 22:49
Operator : JC/SP
Sample : K2022-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C09C8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.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
Isopropyl Alcohol	2.44	25.7	ug/L	600607	1	5.88	1168220	50.0
(DEL) Alkane: Cyc...	4.09	4.3	ug/L	100675	1	5.88	1168220	50.0
Ethyl Acetate	4.38	6.4	ug/L	148621	1	5.88	1168220	50.0
Benzene, 1,2,3,5-...	15.65	8.1	ug/L	23823600	3	11.49	147715000	50.0