LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112219\
Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

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_W\METHOD\SOM2WLM111119S.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	2.154	36	41	56	rBV	11996	31561	5.22%	1.011%
2	2.349	67	73	81	rVB	43965	75029	12.42%	2.403%
3	2.885	155	161	173	rVB	34743	80765	13.37%	2.587%
4	3.483	256	259	260	rVB3	332	245	0.04%	0.008%
5	3.586	273	276	279	rVB3	403	545	0.09%	0.017%
6	3.641	281	285	287	rVV	418	389	0.06%	0.012%
7	3.885	322	325	329	rVB2	280	412	0.07%	0.013%
8	3.922	329	331	333	rBV2	226	256	0.04%	0.008%
9	4.013	333	346	357	rBV2	60871	183774	30.42%	5.886%
10	4.379	402	406	409	rVB3	415	542	0.09%	0.017%
11	4.470	419	421	423	rVB	462	313	0.05%	0.010%
12	4.592	437	441	442	rVV	217	265	0.04%	0.008%
13	4.641	446	449	450	rVV2	379	306	0.05%	0.010%
14	4.659	450	452	454	rVV3	324	364	0.06%	0.012%
15	4.684	454	456	461	rVB3	355	508	0.08%	0.016%
16	4.763	467	469	471	rBV	260	226	0.04%	0.007%
17	4.915	480	494	509	rBV4	8753	29838	4.94%	0.956%
18	5.092	519	523	524	rBV2	358	375	0.06%	0.012%
19	5.263	548	551	553	rBV2	275	274	0.05%	0.009%
20	5.367	563	568	570	rBV3	593	950	0.16%	0.030%
21	5.476	584	586	587	rBV	438	301	0.05%	0.010%
22	5.927	652	660	667	rBV5	1951	5458	0.90%	0.175%
23	5.982	667	669	671	rVB3	410	305	0.05%	0.010%
24	6.068	678	683	684	rBV2	536	713	0.12%	0.023%
25	6.116	688	691	694	rBV3	382	434	0.07%	0.014%
26	6.165	694	699	703	rBV5	756	1579	0.26%	0.051%
27	6.342	725	728	729	rBV2	278	227	0.04%	0.007%
28	6.427	740	742	743	rBV	314	234	0.04%	0.007%
29	6.440	743	744	747	rBV	321	238	0.04%	0.008%
30	6.476	747	750	752	rBV3	339	401	0.07%	0.013%
31	6.598	768	770	773	rBV	299	339	0.06%	0.011%
32	6.622	773	774	778	rVV2	315	311	0.05%	0.010%
33	6.702	784	787	788	rVV2	456	282	0.05%	0.009%
34	6.726	788	791	796	rVB2	549	666	0.11%	0.021%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112219\
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Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

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_W\METHOD\SOM2WLM111119S.M
Title : VOC Analysis

35	6.879	811	816	817	rVB3	397	535	0.09%	0.017%
36	6.903	817	820	822	rBV	278	329	0.05%	0.011%
37	6.976	830	832	834	rBV2	408	279	0.05%	0.009%
38	7.074	840	848	853	rBV	20538	55418	9.17%	1.775%
39	7.305	882	886	888	rBV3	513	650	0.11%	0.021%
40	7.403	900	902	906	rBV3	419	548	0.09%	0.018%
41	7.641	932	941	953	rVB2	109955	272395	45.08%	8.725%
42	7.939	985	990	997	rVB6	2465	5960	0.99%	0.191%
43	8.031	1001	1005	1007	rBV2	619	830	0.14%	0.027%
44	8.189	1029	1031	1032	rBV	352	250	0.04%	0.008%
45	8.275	1033	1045	1062	rVV2	208960	604205	100.00%	19.353%
46	8.470	1076	1077	1079	rVB2	624	262	0.04%	0.008%
47	8.671	1108	1110	1111	rBV2	450	396	0.07%	0.013%
48	8.842	1130	1138	1147	rBV	158675	312348	51.70%	10.004%
49	8.970	1157	1159	1161	rBV	290	267	0.04%	0.009%
50	9.043	1165	1171	1174	rBV4	797	1630	0.27%	0.052%
51	9.073	1174	1176	1179	rVV2	540	400	0.07%	0.013%
52	9.220	1197	1200	1201	rBV2	351	316	0.05%	0.010%
53	9.274	1201	1209	1216	rBV	145014	300026	49.66%	9.610%
54	9.476	1240	1242	1245	rVB3	325	375	0.06%	0.012%
55	9.628	1264	1267	1268	rBV	435	422	0.07%	0.014%
56	9.659	1268	1272	1276	rVB4	719	1448	0.24%	0.046%
57	9.787	1291	1293	1295	rBV2	440	365	0.06%	0.012%
58	9.811	1295	1297	1298	rBV2	636	485	0.08%	0.016%
59	10.037	1327	1334	1341	rBV2	38222	71124	11.77%	2.278%
60	10.128	1347	1349	1352	rVB2	612	386	0.06%	0.012%
61	10.201	1357	1361	1363	rBV3	763	762	0.13%	0.024%
62	10.323	1373	1381	1389	rBV	177095	317445	52.54%	10.168%
63	10.573	1416	1422	1430	rVB2	16839	30390	5.03%	0.973%
64	10.701	1438	1443	1449	rVB	21929	38213	6.32%	1.224%
65	10.920	1474	1479	1491	rBV	45760	89408	14.80%	2.864%
66	11.061	1498	1502	1510	rBV3	12349	21049	3.48%	0.674%
67	11.433	1559	1563	1570	rVB3	5365	9816	1.62%	0.314%
68	11.524	1575	1578	1579	rBV2	1120	1418	0.23%	0.045%
69	11.628	1589	1595	1602	rBV	102024	171293	28.35%	5.486%
70	11.823	1625	1627	1628	rBV2	932	723	0.12%	0.023%
71	11.939	1642	1646	1649	rBV3	672	923	0.15%	0.030%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112219\
Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

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_W\METHOD\SOM2WLM111119S.M
Title : VOC Analysis

72	12.335	1708	1711	1712	rBV3	747	806	0.13%	0.026%
73	12.463	1731	1732	1735	rVB2	572	364	0.06%	0.012%
74	12.609	1749	1756	1762	rVV	35482	60432	10.00%	1.936%
75	12.688	1763	1769	1776	rVB	75238	124309	20.57%	3.982%
76	12.762	1777	1781	1782	rBV3	804	916	0.15%	0.029%
77	12.859	1795	1797	1799	rVB3	504	296	0.05%	0.009%
78	12.932	1804	1809	1815	rVV	11230	16504	2.73%	0.529%
79	13.079	1831	1833	1836	rBV2	815	539	0.09%	0.017%
80	13.140	1841	1843	1844	rBV2	323	285	0.05%	0.009%
81	13.164	1844	1847	1848	rVV	598	692	0.11%	0.022%
82	13.188	1849	1851	1858	rVB4	3158	4668	0.77%	0.150%
83	13.249	1858	1861	1862	rBV2	558	646	0.11%	0.021%
84	13.292	1864	1868	1877	rVB4	6632	11167	1.85%	0.358%
85	13.408	1877	1887	1893	rBV5	6131	11810	1.95%	0.378%
86	13.469	1893	1897	1901	rBV6	4393	6959	1.15%	0.223%
87	13.554	1907	1911	1916	rBV2	24630	40386	6.68%	1.294%
88	13.768	1940	1946	1954	rBV5	2431	5663	0.94%	0.181%
89	13.853	1954	1960	1966	rBV2	28701	49175	8.14%	1.575%
90	14.066	1990	1995	2001	rVB	16802	28099	4.65%	0.900%
91	14.200	2012	2017	2021	rBV4	1477	2857	0.47%	0.092%
92	14.328	2035	2038	2042	rVB3	3343	4619	0.76%	0.148%
93	14.517	2067	2069	2072	rVB4	776	632	0.10%	0.020%
94	14.627	2085	2087	2089	rBV2	433	296	0.05%	0.009%
95	14.664	2089	2093	2094	rBV3	623	581	0.10%	0.019%
96	14.725	2100	2103	2108	rVB5	1729	2684	0.44%	0.086%
97	15.225	2183	2185	2188	rBV2	773	609	0.10%	0.020%
98	15.316	2199	2200	2202	rBV	845	476	0.08%	0.015%
99	15.438	2216	2220	2225	rVB	8688	12885	2.13%	0.413%
100	15.962	2303	2306	2309	rBV5	923	1224	0.20%	0.039%

Sum of corrected areas: 3122093

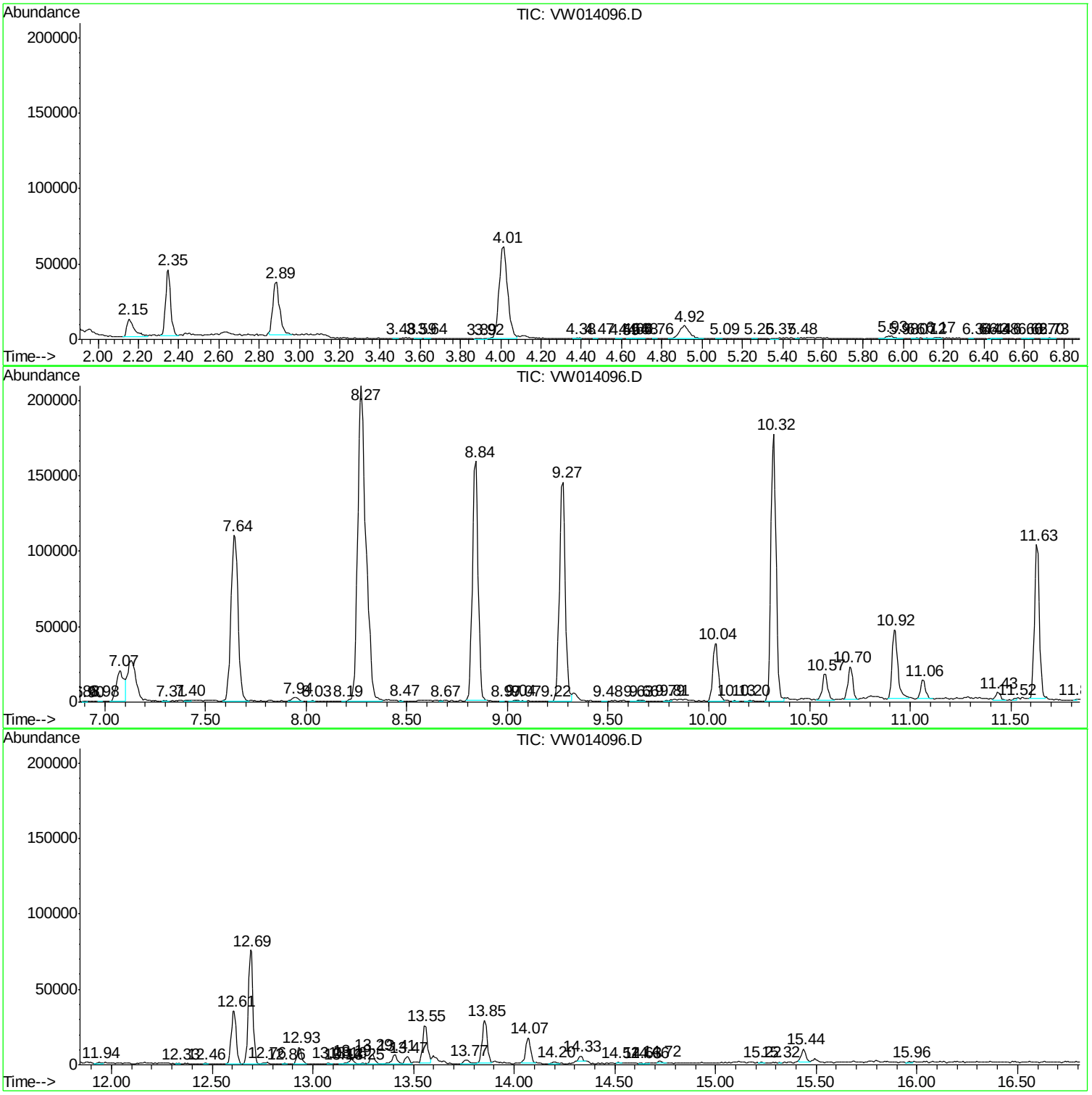
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112219\
Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112219\
Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

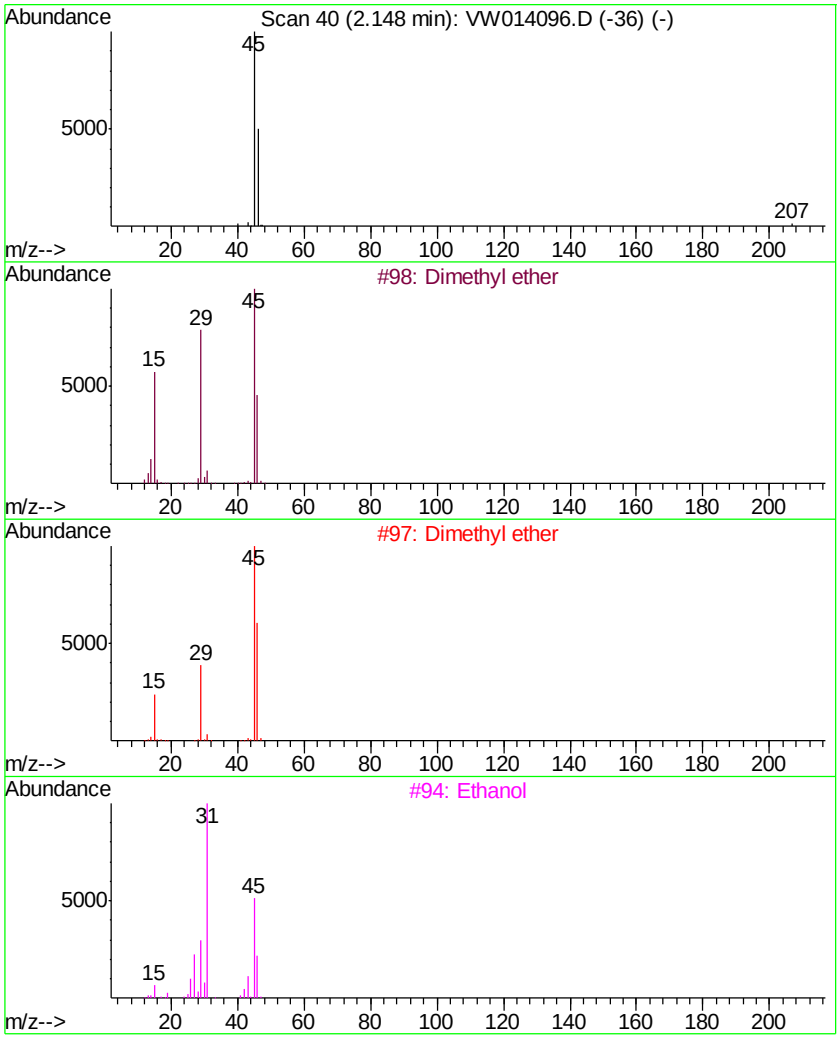
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

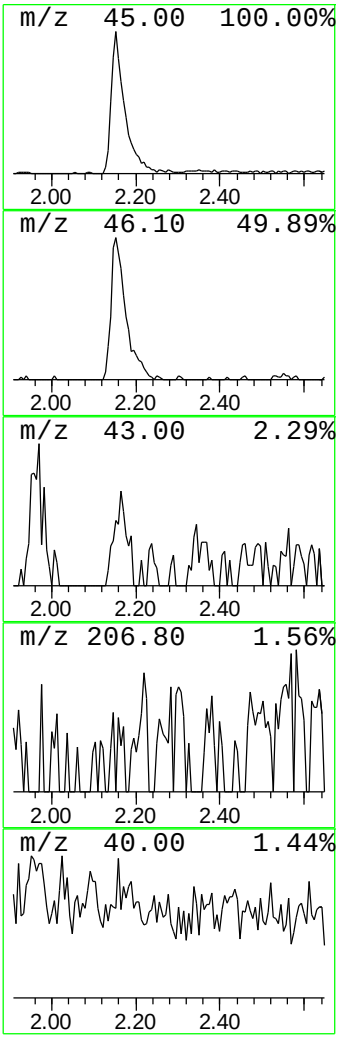
****

Peak Number 1 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	2.53 ug/L	31561	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	9
2	Dimethyl ether	46	C2H6O	000115-10-6	9
3	Ethanol	46	C2H6O	000064-17-5	7
4	Ethanol	46	C2H6O	000064-17-5	7
5	Formic acid	46	CH2O2	000064-18-6	5





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112219\
Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

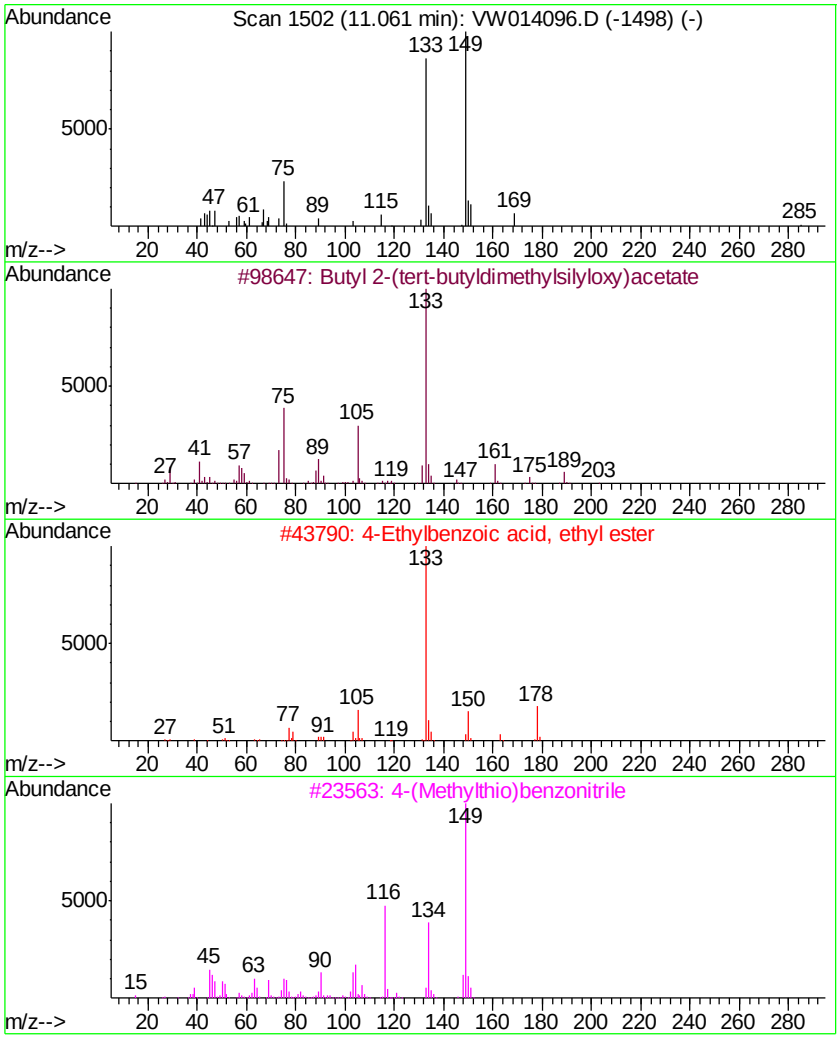
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

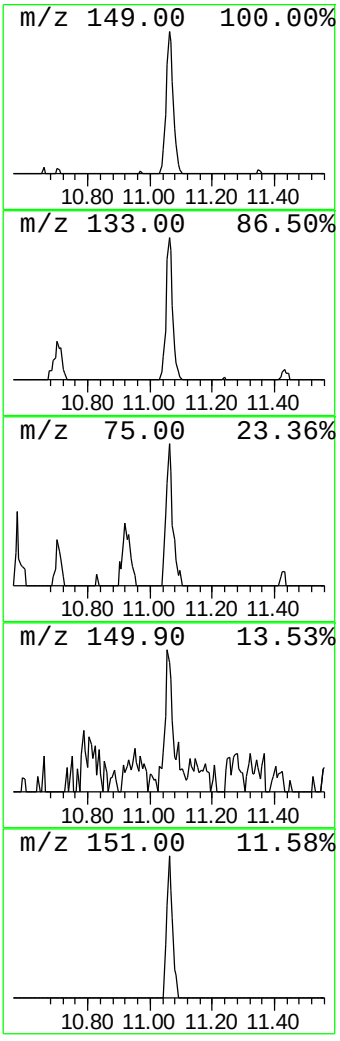
****

Peak Number 4 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	3.07 ug/L	21049	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl 2-(tert-butyldimethylsilyl...	246	C12H26O3Si	1000366-87-5	23
2	4-Ethylbenzoic acid, ethyl ester	178	C11H14O2	036207-13-3	17
3	4-(Methylthio)benzonitrile	149	C8H7NS	021382-98-9	17
4	Silane, diethoxydimethyl-	148	C6H16O2Si	000078-62-6	17
5	Acetophenone, 3-methoxymethyl-	164	C10H12O2	1000159-01-9	17





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112219\
Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

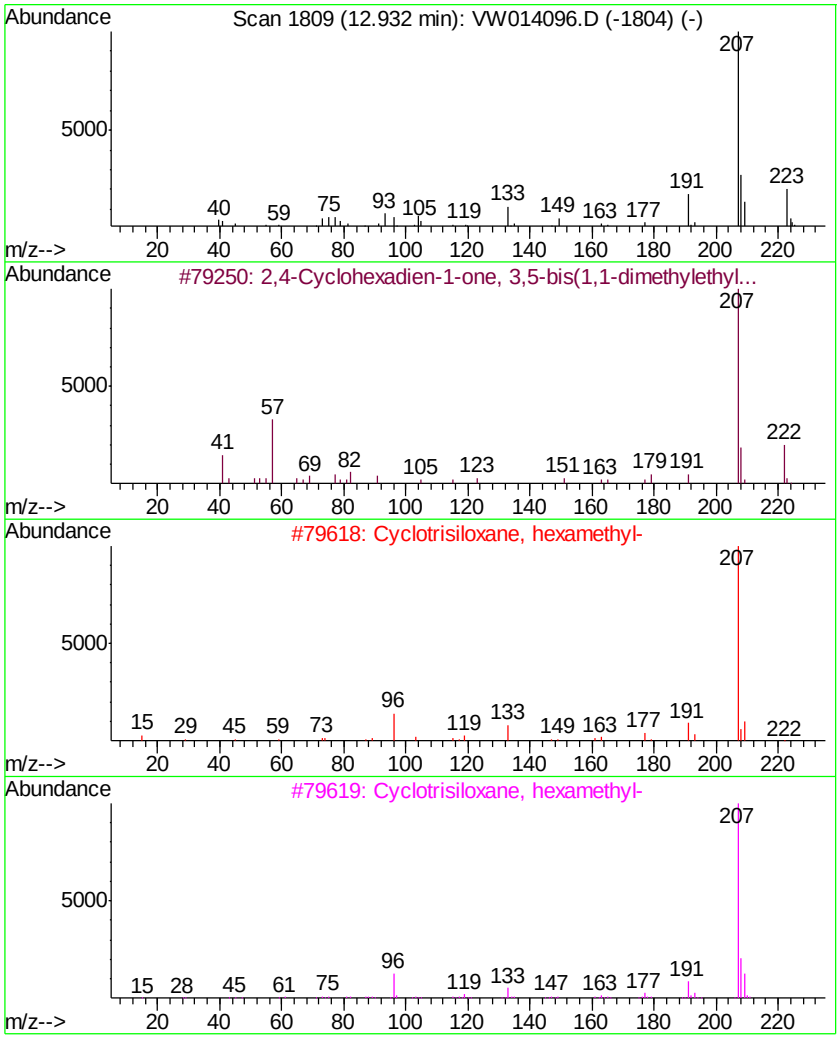
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

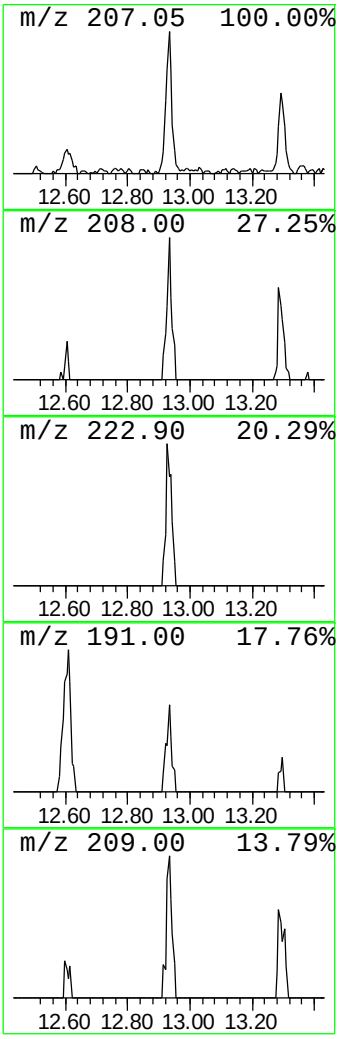
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 2,4-Cyclohexadien-1-one, 3,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	10.22 ug/L	16504	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Cyclohexadien-1-one, 3,5-bis...	222	C14H22O2	054965-43-4	50
2	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	50
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	45
4	1,4-Bis(trimethylsilyl)benzene	222	C12H22Si2	013183-70-5	42
5	1,2-Benzenediol, 3,5-bis(1,1-dim...	222	C14H22O2	001020-31-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112219\
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Acq On : 22 Nov 2019 15:40
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Instrument : MSVOA_W
ClientSampleId : C0BJ7

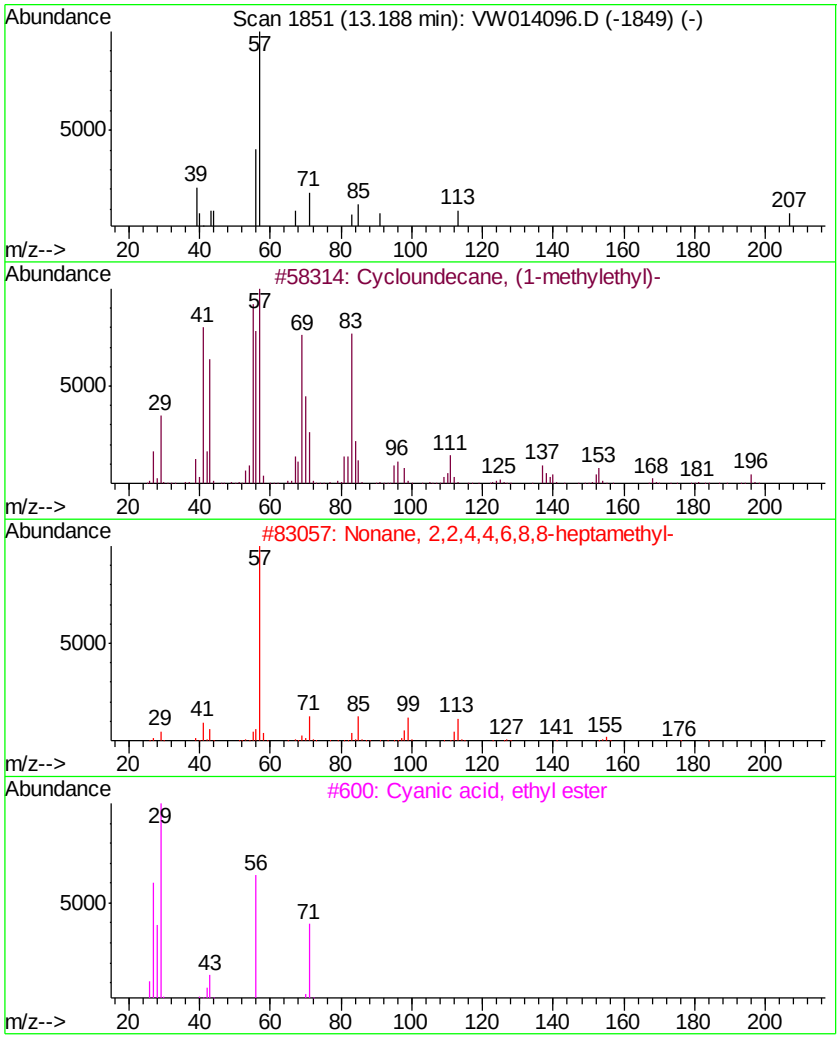
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

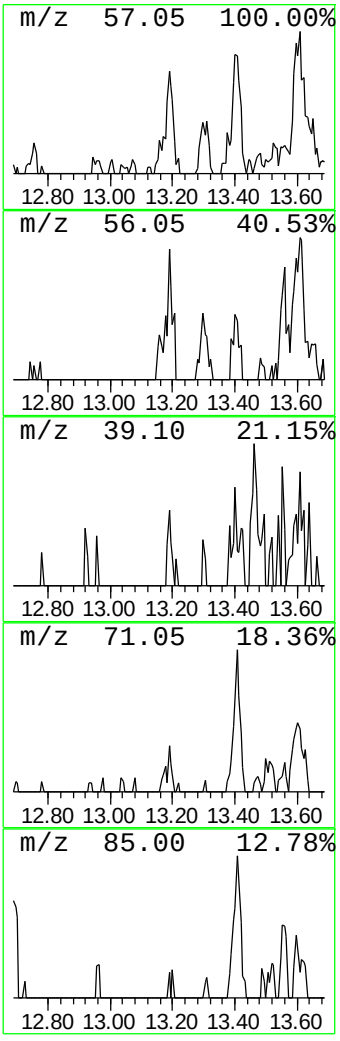
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic13.19 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.89 ug/L	4668	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloundecane, (1-methylethyl)-	196	C14H28	062338-56-1	9
2	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	9
3	Cyanic acid, ethyl ester	71	C3H5NO	000627-48-5	5
4	Cyclohexanemethylamine	113	C7H15N	003218-02-8	4
5	1H-Tetrazol-5-amine	85	CH3N5	004418-61-5	4





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Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
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Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

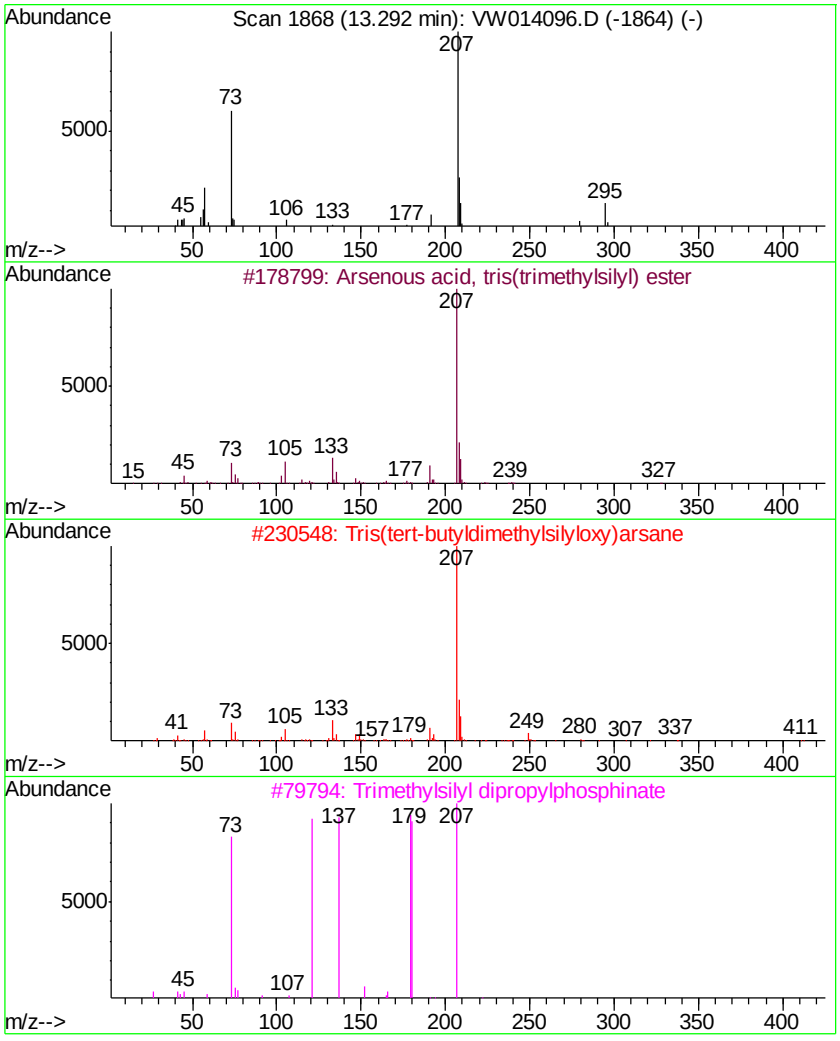
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

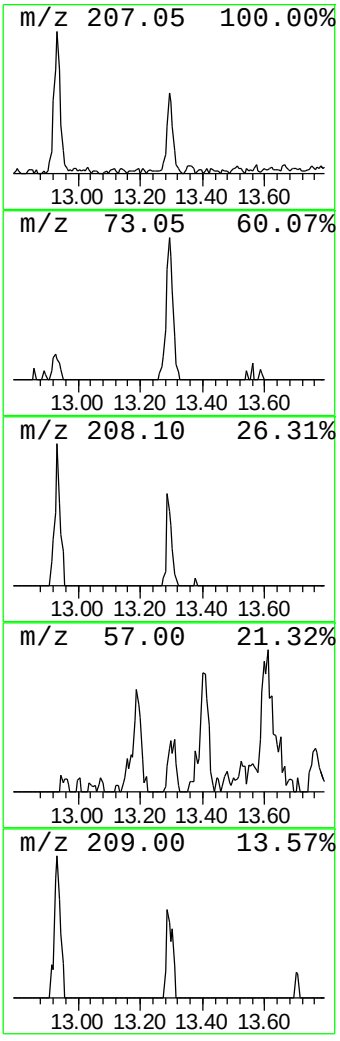
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Arsenous acid, tris(trimeth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	6.91 ug/L	11167	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Arsenous acid, tris(trimethylsil...	342	C9H27AsO3Si3	055429-29-3	50
2	Tris(tert-butyldimethylsilyloxy)...	468	C18H45AsO3Si3	1000366-57-5	50
3	Trimethylsilyl dipropylphosphinate	222	C9H23O2PSi	053483-29-7	43
4	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	42
5	1,4-Bis(trimethylsilyl)benzene	222	C12H22Si2	013183-70-5	40





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Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

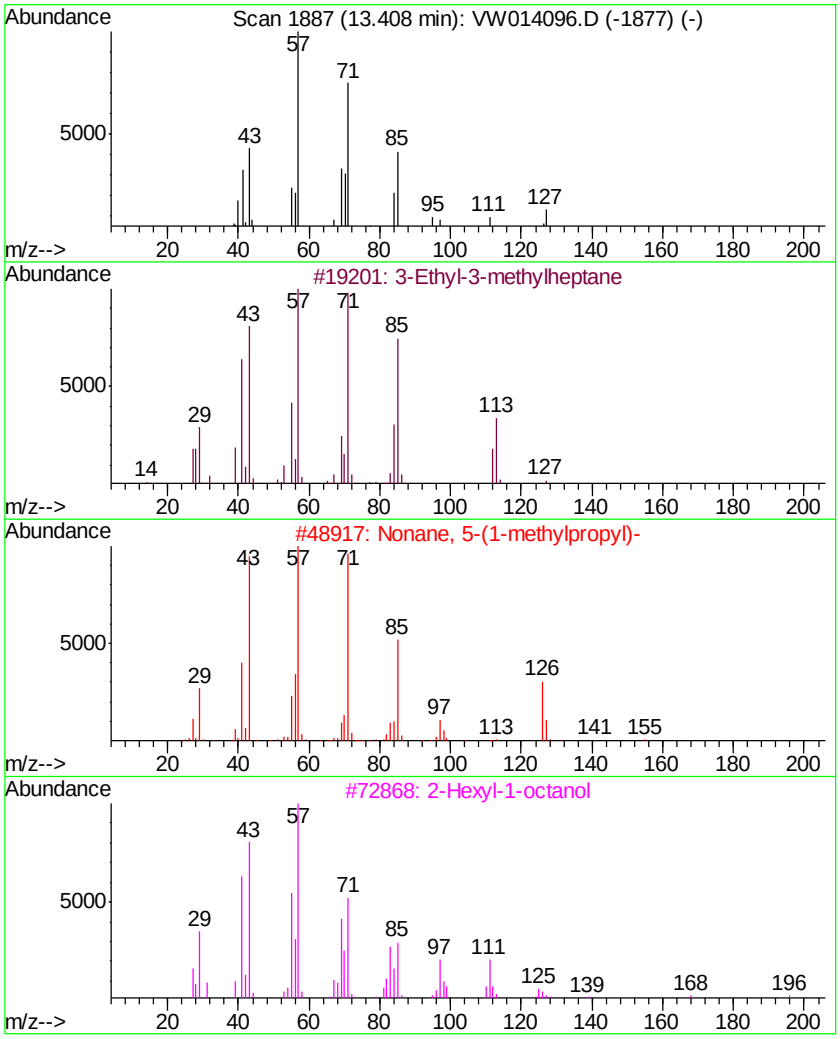
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

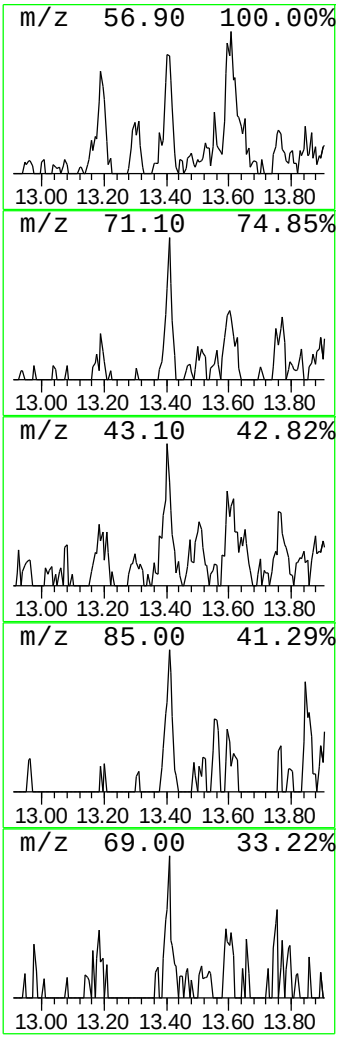
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	7.31 ug/L	11810	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	53
2	Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	53
3	2-Hexyl-1-octanol	214	C14H30O	019780-79-1	45
4	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	45
5	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	42





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Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

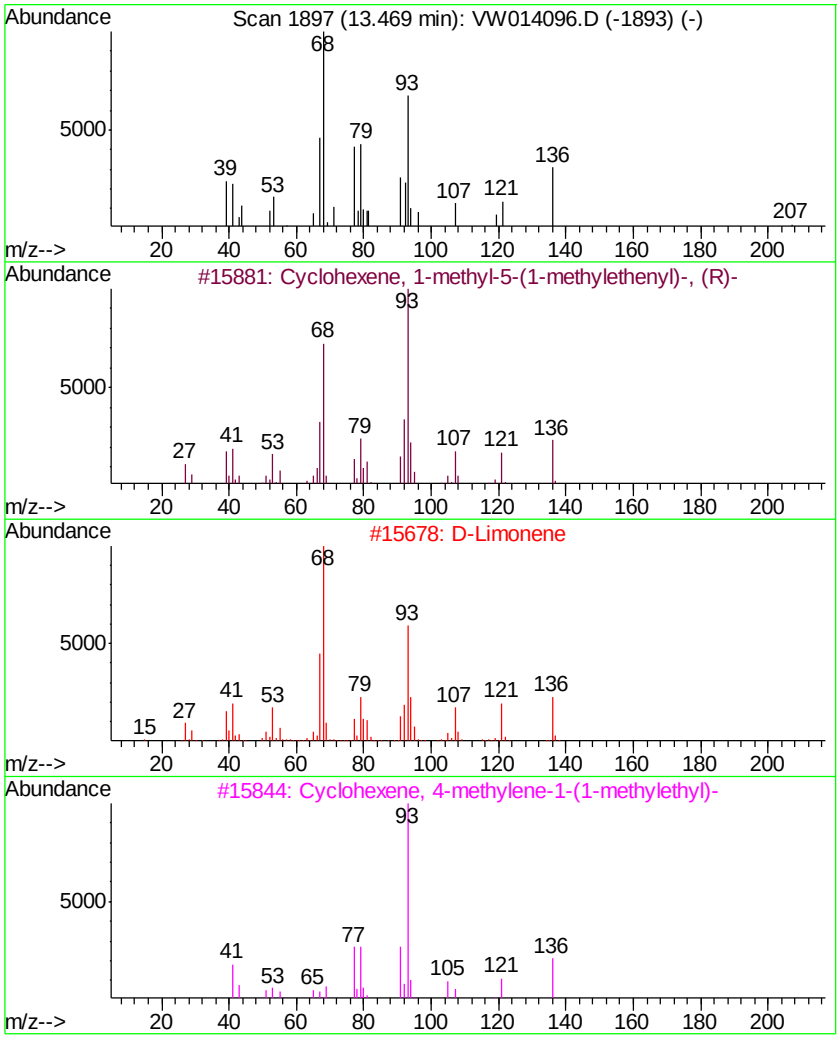
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

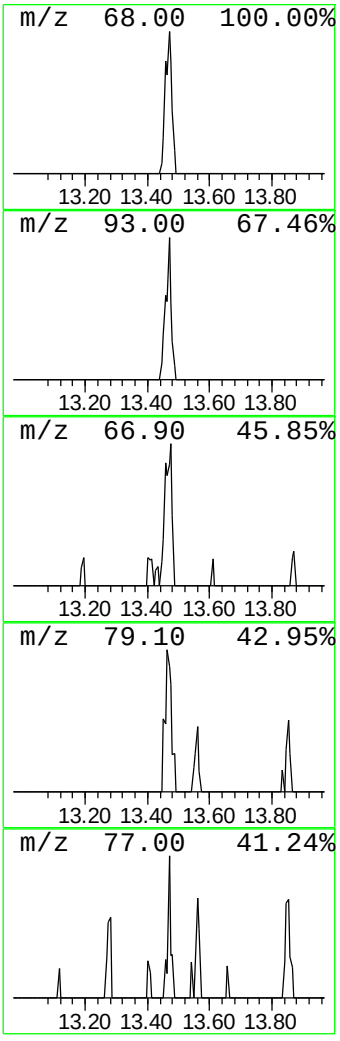
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclohexene, 1-methyl-5-(1-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	4.31 ug/L	6959	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	001461-27-4	64
2	D-Limonene	136	C10H16	005989-27-5	59
3	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	55
4	Cyclobutane, 1,3-diisopropenyl-,...	136	C10H16	1000152-89-6	50
5	(+)-3-Carene	136	C10H16	000498-15-7	49





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Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

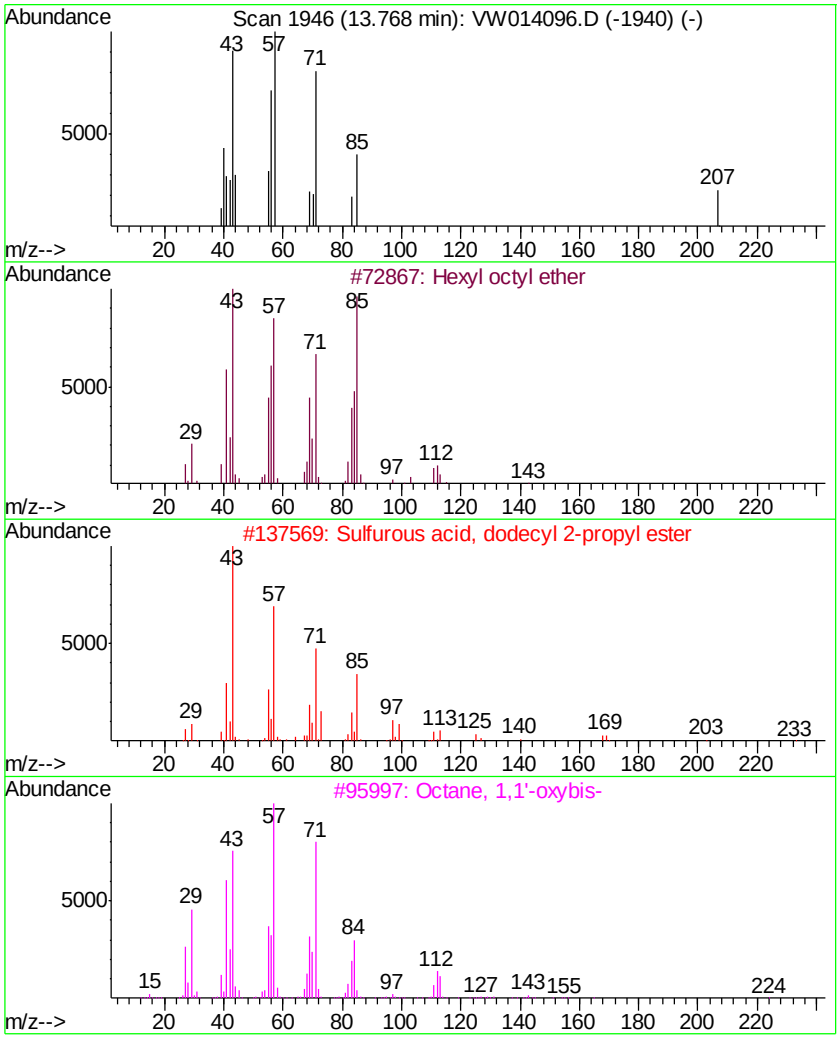
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

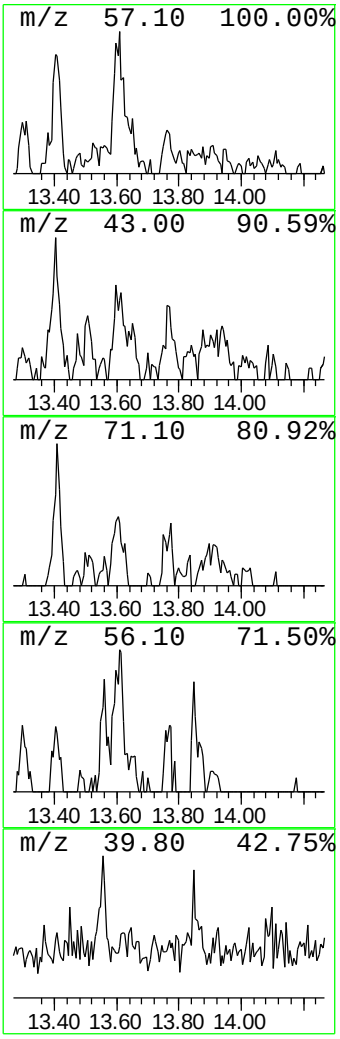
****

Peak Number 12 Hexyl octyl ether Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	3.51 ug/L	5663	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexyl octyl ether	214	C14H30O	017071-54-4	56
2	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	50
3	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	50
4	Azetidine, 1-methyl-	71	C4H9N	004923-79-9	47
5	Azetidine, 2-methyl-	71	C4H9N	019812-49-8	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112219\
Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

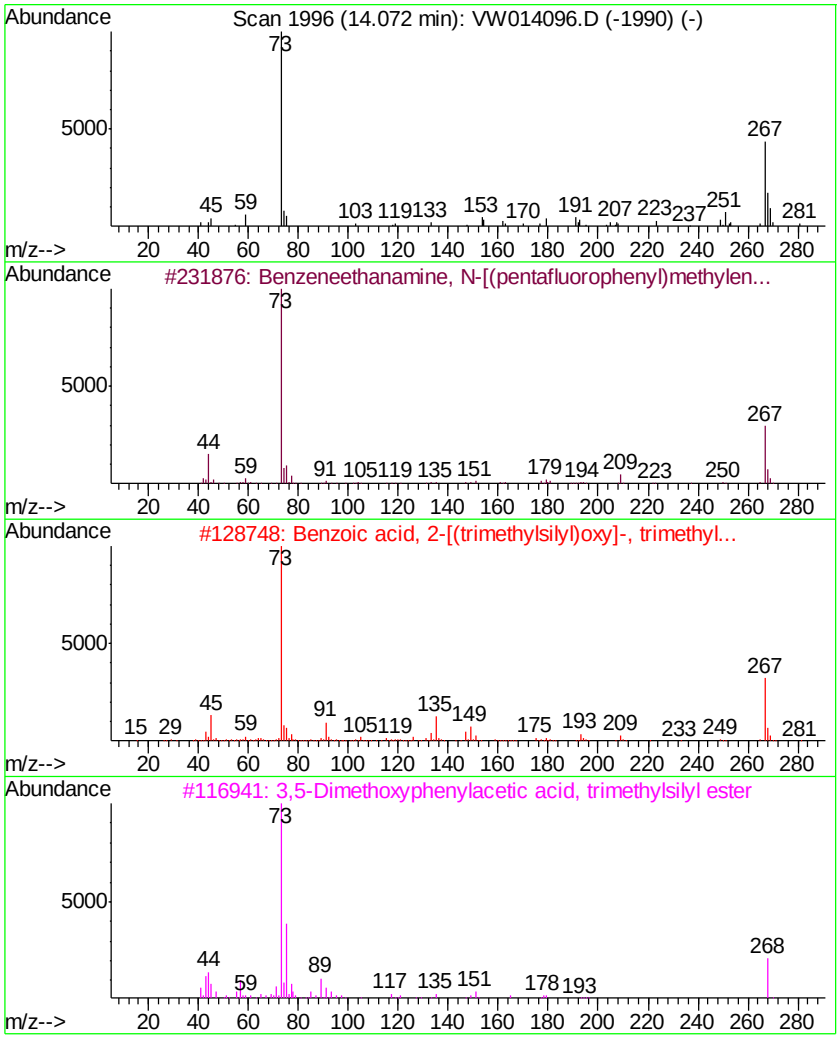
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

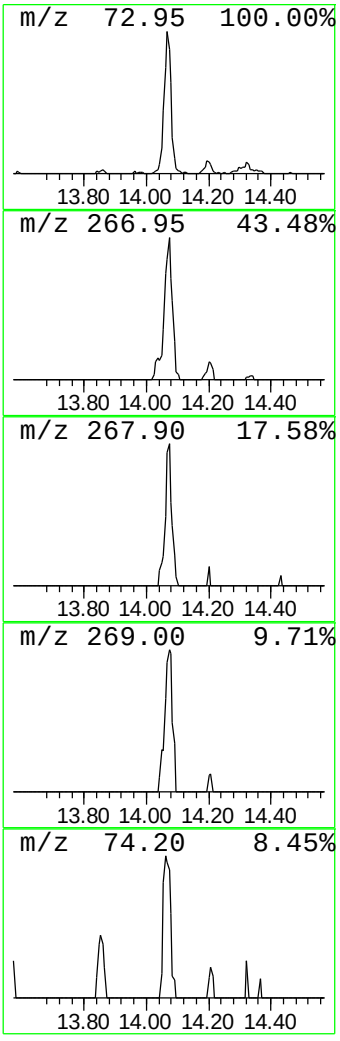
****

Peak Number 13 unknown-03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	17.39 ug/L	28099	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	33
2	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	33
3	3,5-Dimethoxyphenylacetic acid, ...	268	C13H20O4Si	1000071-82-4	22
4	4-Methylcatechol, bis(trimethyls...	268	C13H24O2Si2	1000332-79-9	16
5	1-(3-Chlorophenyl)piperazine, 4-...	268	C13H21ClN2Si	1000373-99-3	14





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112219\
Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

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

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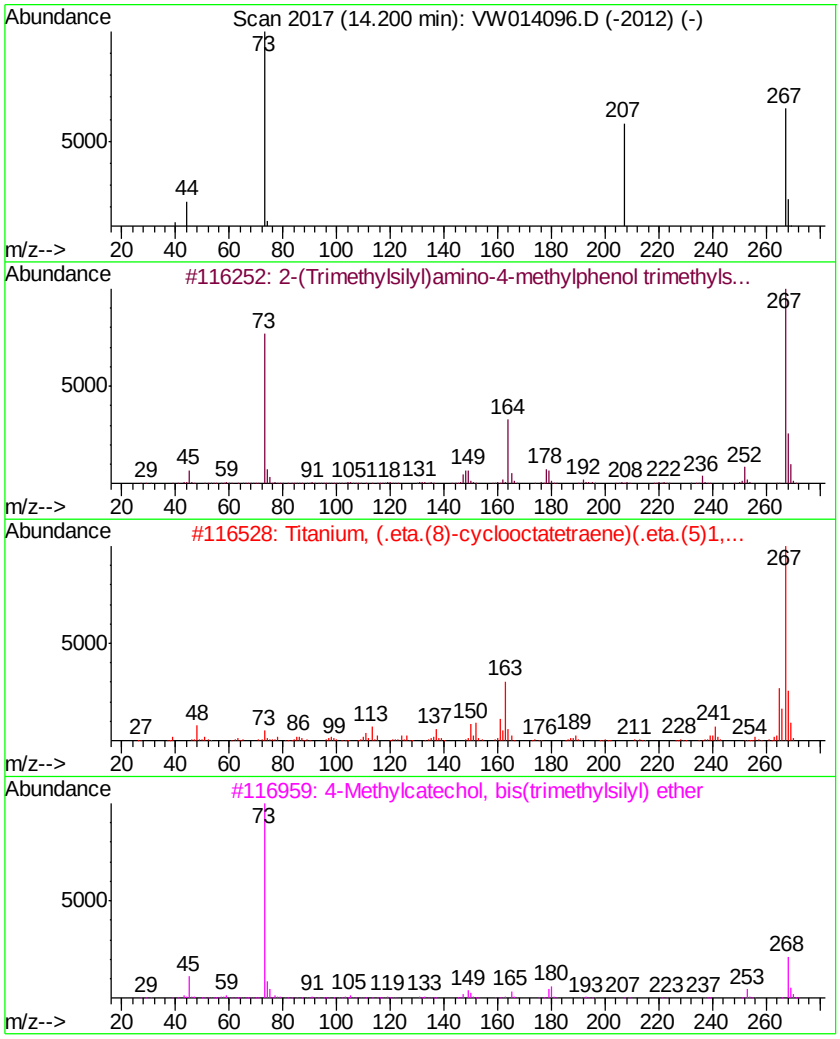
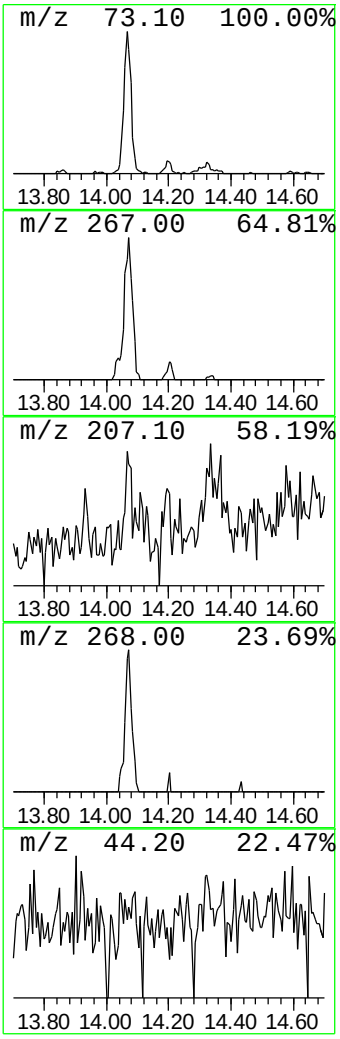
Peak Number 14 unknown-04 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	1.77 ug/L	2857	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(Trimethylsilyl)amino-4-methyl...	267	C13H25NOSi2	1000373-28-1	9
2	Titanium, (.eta.(8)-cyclooctatet...	267	C17H15Ti	054538-57-7	9
3	4-Methylcatechol, bis(trimethyls...	268	C13H24O2Si2	1000332-79-9	9
4	2(1H)-Quinolinone, 4-(4-methoxyp...	267	C16H13NO3	068903-83-3	5
5	Propenone, 1-(4-nitrophenyl)-3-p...	268	C15H12N2O3	1000302-96-9	5





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Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

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

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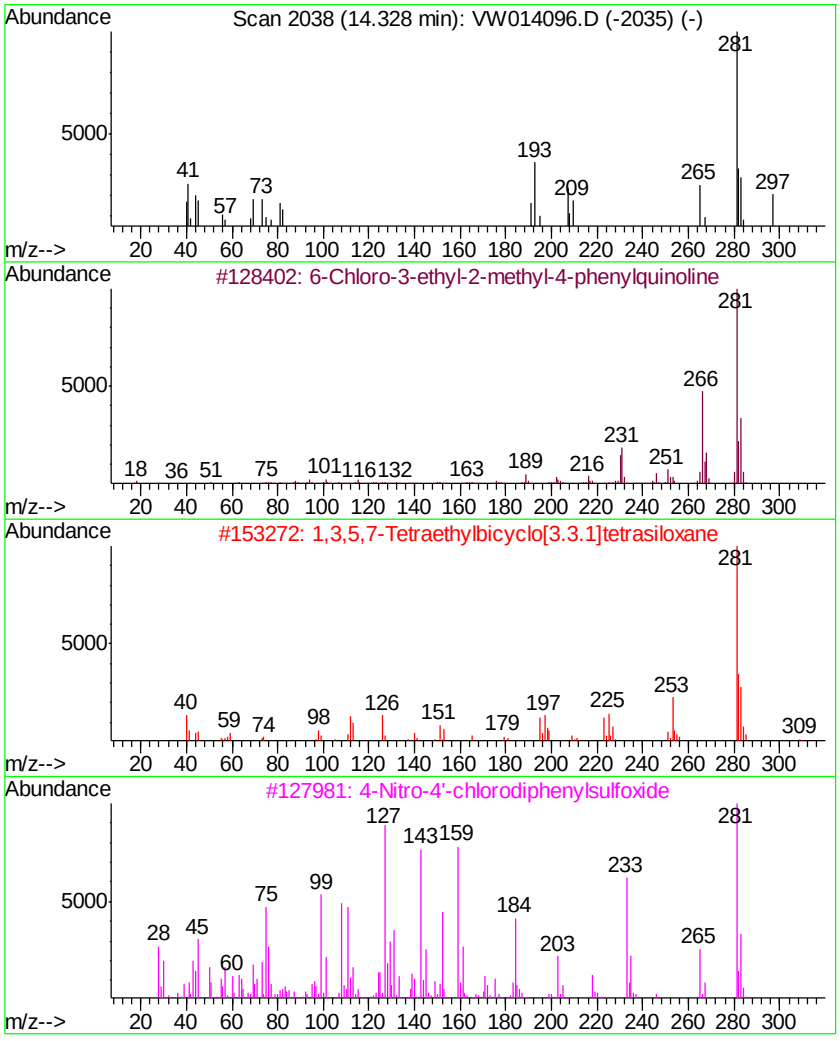
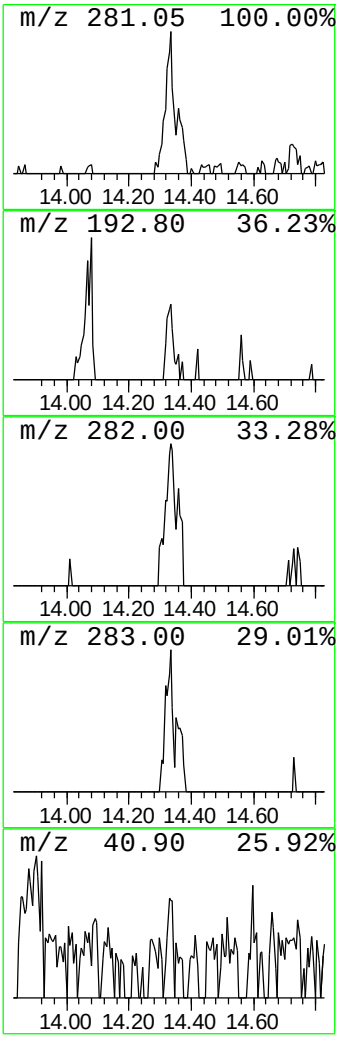
Peak Number 15 unknown-05 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	2.86 ug/L	4619	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Chloro-3-ethyl-2-methyl-4-phen...	281	C18H16ClN	022609-09-2	38
2	1,3,5,7-Tetraethylbicyclo[3.3.1]...	310	C8H22O5Si4	073420-21-0	38
3	4-Nitro-4'-chlorodiphenylsulfoxide	281	C12H8ClNO3S	024535-53-3	37
4	2-(4-Chlorophenyl)-5,7-dimethyli...	281	C16H12ClN3	1000305-50-9	9
5	2,4-Diamino-N,N,5-trimethyl-6-qu...	281	C11H15N5O2S	092144-19-9	9





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Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

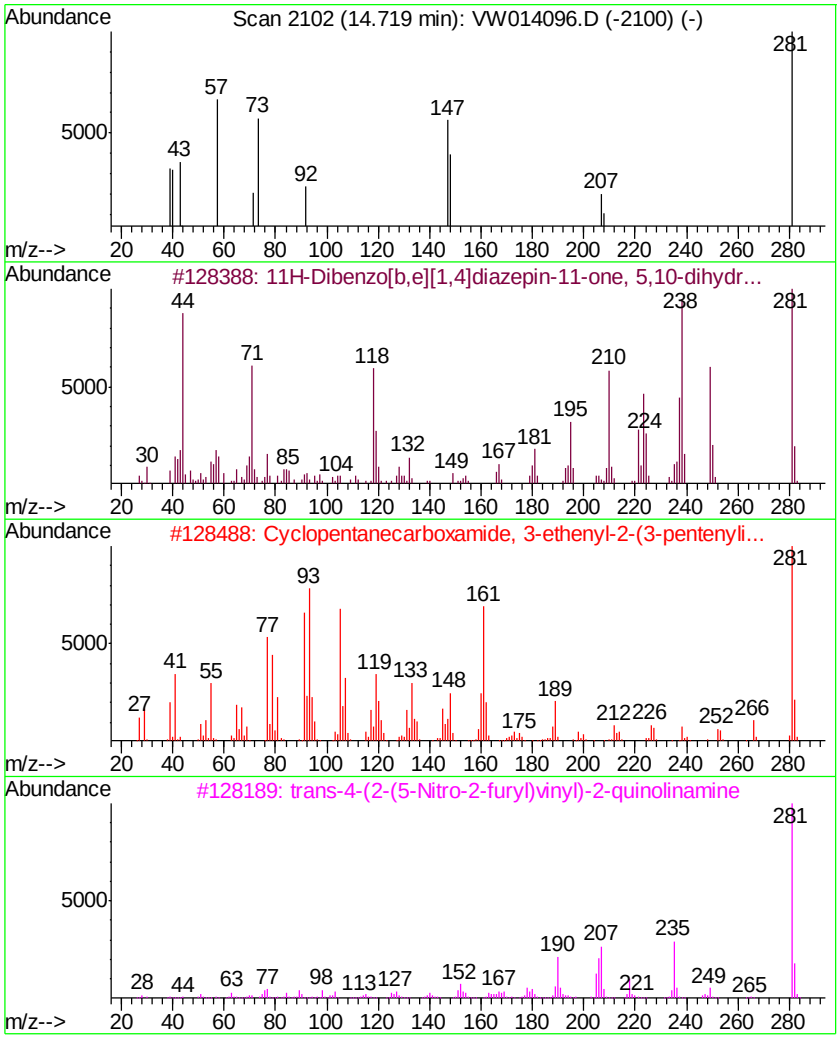
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

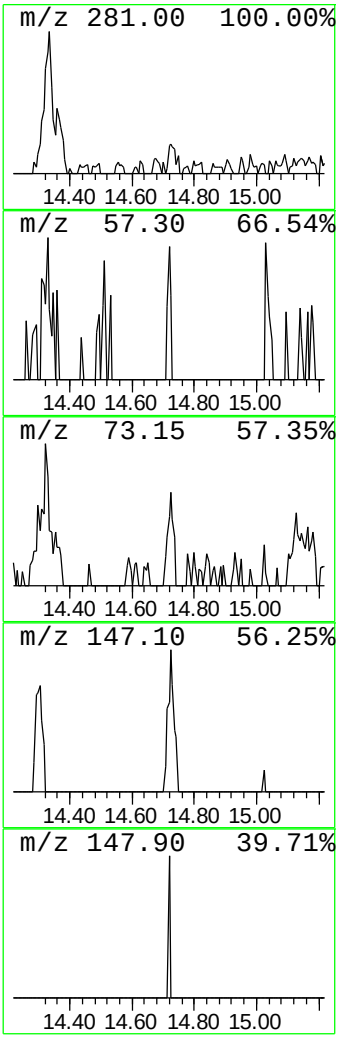
****

Peak Number 16 unknown-06 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	1.66 ug/L	2684	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	281	C17H19N3O	013450-70-9	12
2	Cyclopentanecarboxamide, 3-ethen...	281	C19H23NO	136091-23-1	12
3	trans-4-(2-(5-Nitro-2-furyl)viny...	281	C15H11N3O3	000847-10-9	9
4	Morphinan, 7,8-didehydro-3-metho...	281	C19H23NO	001816-06-4	9
5	14.alpha.-Morphinan, 7,8-didehyd...	281	C19H23NO	017939-34-3	9





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Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

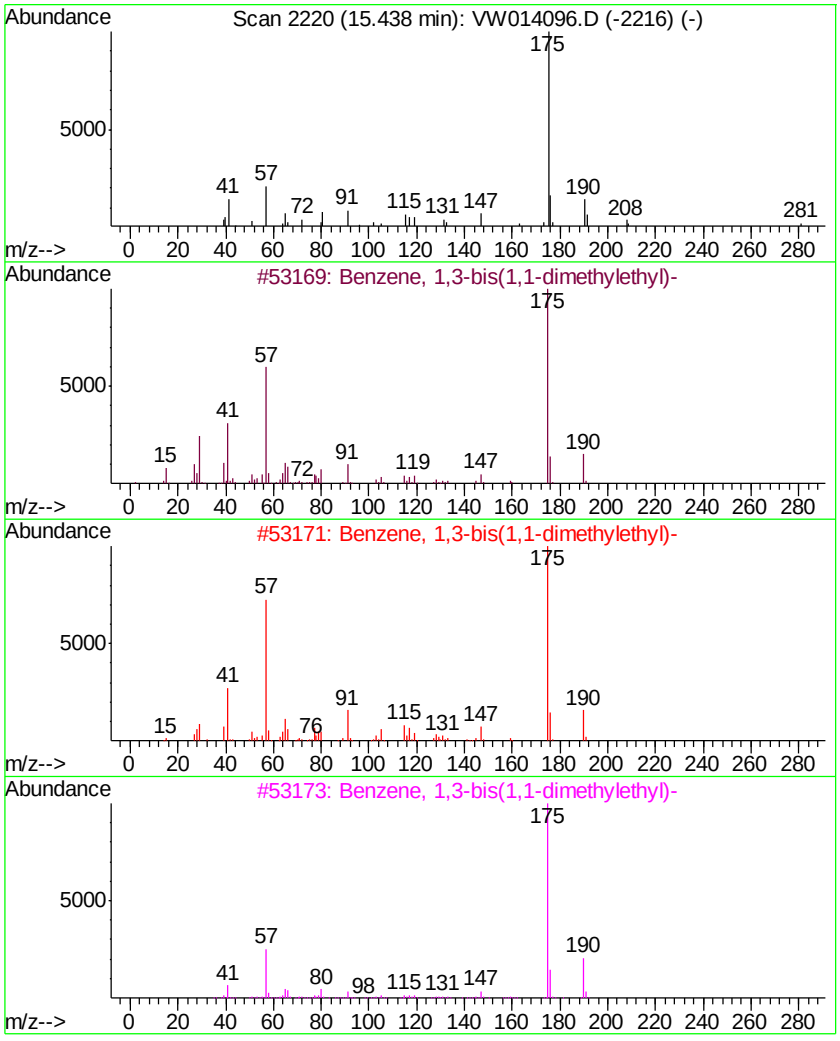
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis

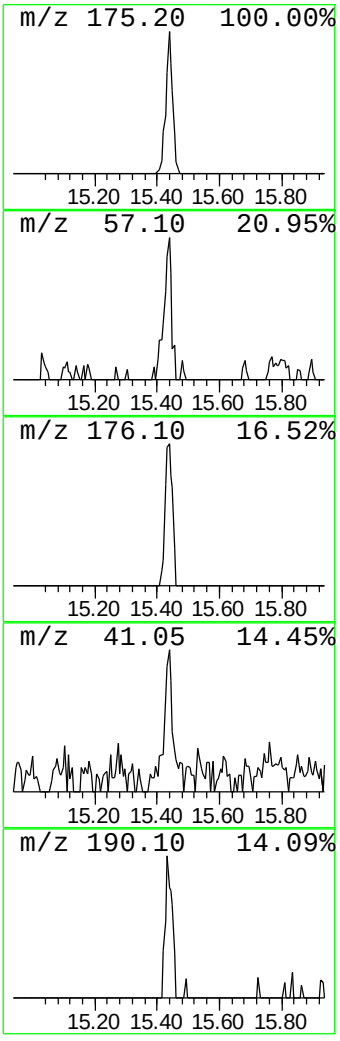
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	7.98 ug/L	12885	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	86
2	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	74
3	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	72
4	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	64
5	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112219\
Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BJ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.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	2.15	2.5	ug/L	31561	1	8.84	312348	25.0
unknown-02	11.06	3.1	ug/L	21049	2	11.63	171293	25.0
2,4-Cyclohexadien...	12.93	10.2	ug/L	16504	3	13.55	40386	25.0
(DEL) Alkane: Cyc...	13.19	2.9	ug/L	4668	3	13.55	40386	25.0
Arsenous acid, tr...	13.29	6.9	ug/L	11167	3	13.55	40386	25.0
(DEL) Alkane: Str...	13.41	7.3	ug/L	11810	3	13.55	40386	25.0
Cyclohexene, 1-me...	13.47	4.3	ug/L	6959	3	13.55	40386	25.0
Hexyl octyl ether	13.77	3.5	ug/L	5663	3	13.55	40386	25.0
unknown-03	14.07	17.4	ug/L	28099	3	13.55	40386	25.0
unknown-04	14.20	1.8	ug/L	2857	3	13.55	40386	25.0
unknown-05	14.33	2.9	ug/L	4619	3	13.55	40386	25.0
unknown-06	14.72	1.7	ug/L	2684	3	13.55	40386	25.0
Benzene, 1,3-bis(...	15.44	8.0	ug/L	12885	3	13.55	40386	25.0