LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120219\
Data File : VW014203.D
Acq On : 02 Dec 2019 15:01
Operator : SY/VA
Sample : K6089-14RE
Misc : 2.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BR2RE

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	2.160	36	42	53	rBV2	23549	49619	8.80%	1.784%
2	2.343	68	72	84	rVB	32688	58497	10.38%	2.103%
3	2.886	154	161	174	rBV	29235	77172	13.69%	2.775%
4	3.306	228	230	233	rVB2	557	517	0.09%	0.019%
5	3.593	276	277	280	rVB	655	403	0.07%	0.014%
6	3.654	285	287	289	rBV	360	296	0.05%	0.011%
7	3.824	313	315	316	rVB2	570	296	0.05%	0.011%
8	3.898	325	327	330	rBV2	207	258	0.05%	0.009%
9	4.013	336	346	360	rBV2	45894	153367	27.21%	5.514%
10	4.227	379	381	382	rVB2	435	271	0.05%	0.010%
11	4.312	392	395	397	rBV	278	255	0.05%	0.009%
12	4.379	403	406	407	rBV	1554	1381	0.25%	0.050%
13	4.623	444	446	449	rBV2	364	342	0.06%	0.012%
14	4.745	464	466	468	rBV	351	282	0.05%	0.010%
15	4.800	472	475	478	rBV2	259	387	0.07%	0.014%
16	4.910	486	493	508	rVV6	4218	16245	2.88%	0.584%
17	5.123	527	528	531	rVB2	420	330	0.06%	0.012%
18	5.166	531	535	539	rBV3	383	675	0.12%	0.024%
19	5.348	564	565	567	rVV	476	310	0.06%	0.011%
20	5.367	567	568	570	rVV	433	305	0.05%	0.011%
21	5.385	570	571	574	rVV	439	300	0.05%	0.011%
22	5.434	577	579	580	rVV	415	279	0.05%	0.010%
23	5.501	588	590	592	rVV2	326	272	0.05%	0.010%
24	5.629	609	611	613	rVB	413	304	0.05%	0.011%
25	5.702	621	623	626	rVB2	295	310	0.06%	0.011%
26	5.733	626	628	630	rBV2	333	314	0.06%	0.011%
27	5.873	646	651	652	rBV2	315	366	0.06%	0.013%
28	5.891	652	654	656	rVV	436	519	0.09%	0.019%
29	5.934	656	661	671	rVV6	2589	6295	1.12%	0.226%
30	6.117	688	691	694	rVV	246	324	0.06%	0.012%
31	6.245	708	712	713	rBV	346	311	0.06%	0.011%
32	6.495	752	753	757	rVB	310	287	0.05%	0.010%
33	6.543	757	761	765	rBV	185	356	0.06%	0.013%
34	6.641	772	777	778	rBV2	259	349	0.06%	0.013%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120219\
Data File : VW014203.D
Acq On : 02 Dec 2019 15:01
Operator : SY/VA
Sample : K6089-14RE
Misc : 2.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BR2RE

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	6.860	809	813	818	rVV	552	885	0.16%	0.032%
36	6.903	818	820	823	rVV2	383	408	0.07%	0.015%
37	6.952	824	828	829	rVB2	249	299	0.05%	0.011%
38	6.995	834	835	838	rVB2	432	324	0.06%	0.012%
39	7.074	839	848	855	rBV2	36535	106646	18.92%	3.834%
40	7.421	902	905	907	rVB	389	380	0.07%	0.014%
41	7.452	907	910	913	rBV2	347	372	0.07%	0.013%
42	7.531	918	923	931	rVB5	1523	3674	0.65%	0.132%
43	7.647	932	942	955	rVB	117573	284503	50.48%	10.229%
44	7.781	962	964	967	rBV2	407	484	0.09%	0.017%
45	7.805	967	968	970	rVV2	335	297	0.05%	0.011%
46	7.824	970	971	975	rVB	449	407	0.07%	0.015%
47	7.946	986	991	998	rVV6	2328	5409	0.96%	0.194%
48	8.025	1001	1004	1006	rBV2	290	296	0.05%	0.011%
49	8.159	1024	1026	1028	rVV2	338	320	0.06%	0.012%
50	8.275	1032	1045	1061	rVV2	184786	563560	100.00%	20.261%
51	8.397	1064	1065	1068	rVV	707	829	0.15%	0.030%
52	8.445	1072	1073	1076	rVB2	504	388	0.07%	0.014%
53	8.482	1078	1079	1081	rBV	327	322	0.06%	0.012%
54	8.836	1130	1137	1148	rVB	106777	215653	38.27%	7.753%
55	8.994	1162	1163	1167	rVB2	294	250	0.04%	0.009%
56	9.031	1167	1169	1170	rVB	440	264	0.05%	0.009%
57	9.061	1170	1174	1175	rBV2	482	623	0.11%	0.022%
58	9.079	1175	1177	1181	rVB2	570	489	0.09%	0.018%
59	9.140	1185	1187	1190	rBV	451	288	0.05%	0.010%
60	9.268	1200	1208	1216	rBV	150484	308286	54.70%	11.084%
61	9.439	1234	1236	1237	rVB2	499	264	0.05%	0.009%
62	9.494	1241	1245	1248	rBV3	496	806	0.14%	0.029%
63	9.537	1250	1252	1255	rVV	383	323	0.06%	0.012%
64	9.659	1267	1272	1278	rBV3	1140	2268	0.40%	0.082%
65	9.787	1288	1293	1294	rBV2	872	1165	0.21%	0.042%
66	9.939	1316	1318	1319	rVB	575	334	0.06%	0.012%
67	9.976	1322	1324	1327	rBV3	566	682	0.12%	0.025%
68	10.031	1327	1333	1346	rVV	30519	57092	10.13%	2.053%
69	10.122	1346	1348	1353	rVB2	731	956	0.17%	0.034%
70	10.159	1353	1354	1358	rVB3	638	451	0.08%	0.016%
71	10.213	1358	1363	1364	rBV2	940	1182	0.21%	0.042%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120219\
Data File : VW014203.D
Acq On : 02 Dec 2019 15:01
Operator : SY/VA
Sample : K6089-14RE
Misc : 2.99G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BR2RE

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	10.323	1373	1381	1389	rBV	127646	229026	40.64%	8.234%
73	10.476	1404	1406	1407	rBV2	1150	970	0.17%	0.035%
74	10.573	1418	1422	1433	rVB2	13333	23499	4.17%	0.845%
75	10.701	1439	1443	1450	rVB2	8117	13908	2.47%	0.500%
76	10.921	1474	1479	1488	rBV	69446	129581	22.99%	4.659%
77	11.628	1589	1595	1605	rVB	63650	114283	20.28%	4.109%
78	12.506	1737	1739	1742	rVB2	535	425	0.08%	0.015%
79	12.603	1749	1755	1761	rVV	23885	39090	6.94%	1.405%
80	12.689	1762	1769	1776	rVV	97504	164127	29.12%	5.901%
81	12.756	1778	1780	1789	rVB4	2284	3897	0.69%	0.140%
82	12.871	1797	1799	1801	rBV2	302	268	0.05%	0.010%
83	12.939	1806	1810	1817	rVB6	1272	2460	0.44%	0.088%
84	13.109	1835	1838	1839	rBV2	308	266	0.05%	0.010%
85	13.170	1845	1848	1849	rBV2	495	567	0.10%	0.020%
86	13.249	1857	1861	1864	rVB	902	899	0.16%	0.032%
87	13.286	1864	1867	1869	rBV	565	628	0.11%	0.023%
88	13.408	1883	1887	1890	rVB3	1546	2157	0.38%	0.078%
89	13.475	1895	1898	1900	rBV2	488	697	0.12%	0.025%
90	13.560	1907	1912	1917	rBV	16079	25681	4.56%	0.923%
91	13.853	1954	1960	1967	rBV2	19166	35359	6.27%	1.271%
92	14.073	1991	1996	2003	rVB	16148	26779	4.75%	0.963%
93	14.201	2012	2017	2019	rBV2	398	648	0.11%	0.023%
94	14.329	2035	2038	2041	rBV5	1546	1745	0.31%	0.063%
95	14.847	2120	2123	2124	rBV2	456	473	0.08%	0.017%
96	14.969	2141	2143	2146	rBV3	666	837	0.15%	0.030%
97	15.017	2149	2151	2154	rBV4	815	1020	0.18%	0.037%
98	15.365	2206	2208	2210	rBV2	612	477	0.08%	0.017%
99	15.438	2211	2220	2224	rVV4	8509	17312	3.07%	0.622%
100	15.487	2226	2228	2236	rVB	5985	11398	2.02%	0.410%

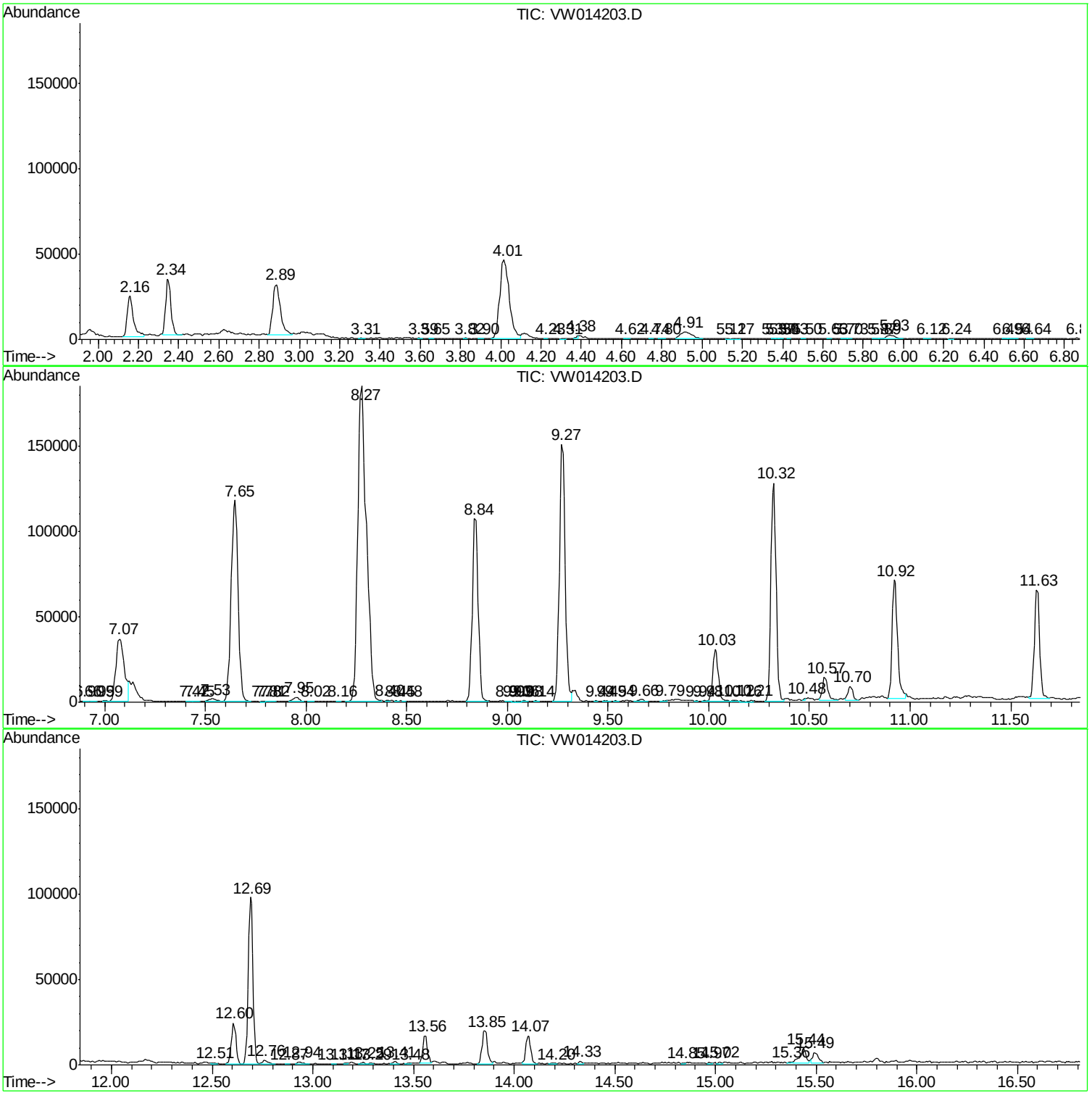
Sum of corrected areas: 2781450

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120219\
Data File : VW014203.D
Acq On : 02 Dec 2019 15:01
Operator : SY/VA
Sample : K6089-14RE
Misc : 2.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BR2RE

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120219\
Data File : VW014203.D
Acq On : 02 Dec 2019 15:01
Operator : SY/VA
Sample : K6089-14RE
Misc : 2.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BR2RE

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

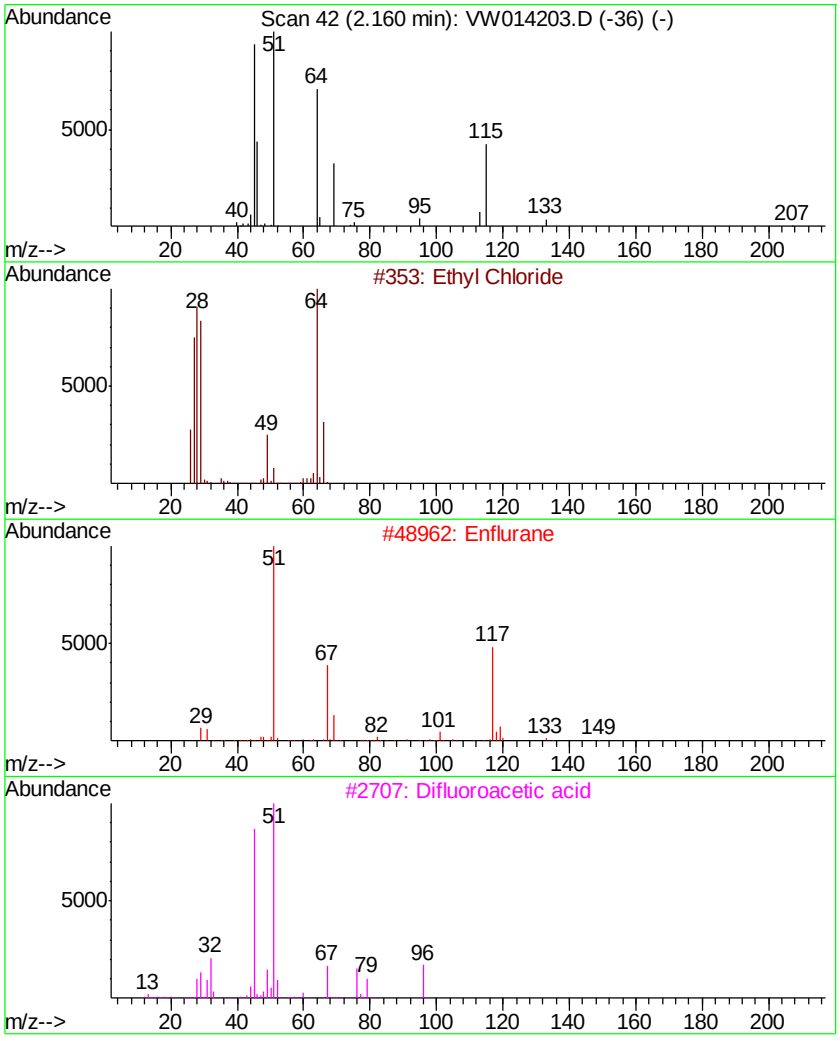
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

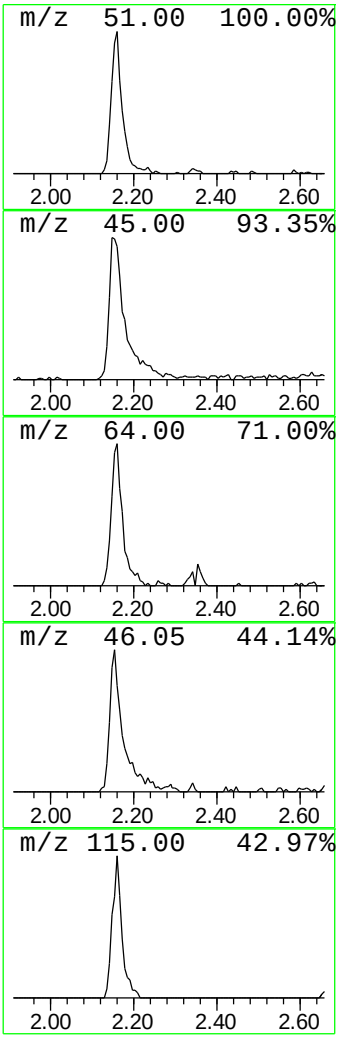
****

Peak Number 1 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	5.75 ug/L	49619	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	9
2	Enflurane	184	C3H2ClF5O	013838-16-9	9
3	Difluoroacetic acid	96	C2H2F2O2	000381-73-7	9
4	Ethyl Chloride	64	C2H5Cl	000075-00-3	9
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120219\
Data File : VW014203.D
Acq On : 02 Dec 2019 15:01
Operator : SY/VA
Sample : K6089-14RE
Misc : 2.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BR2RE

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

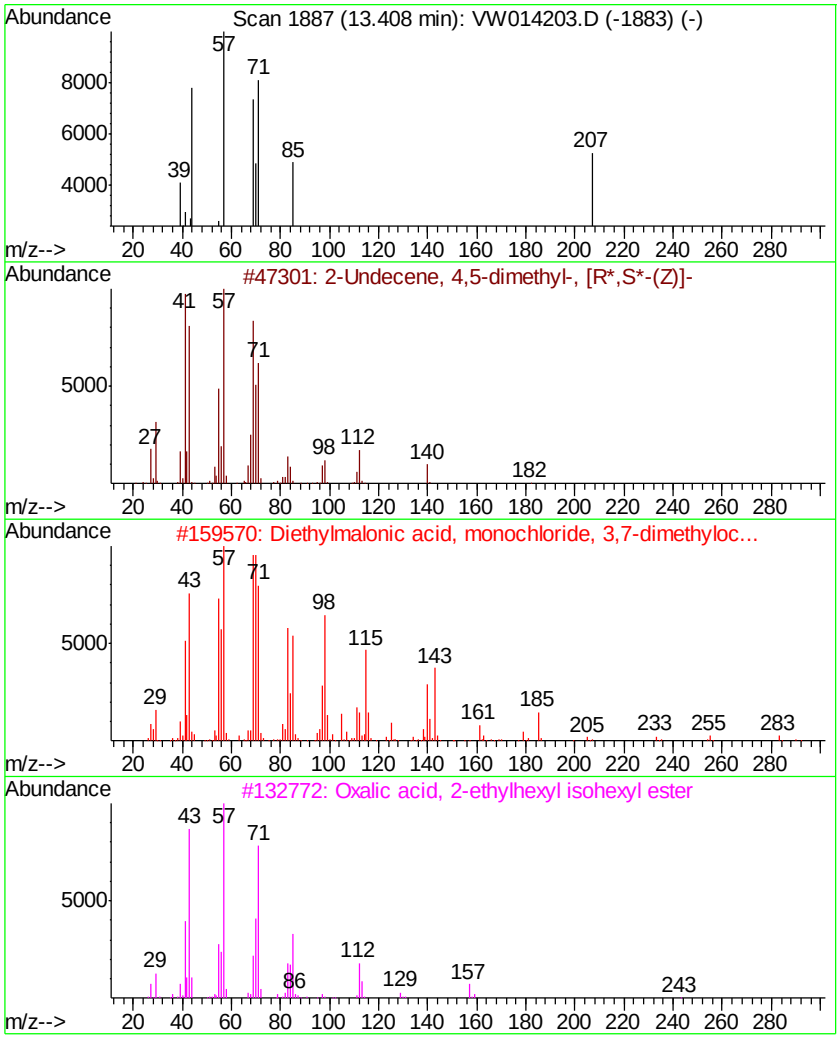
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

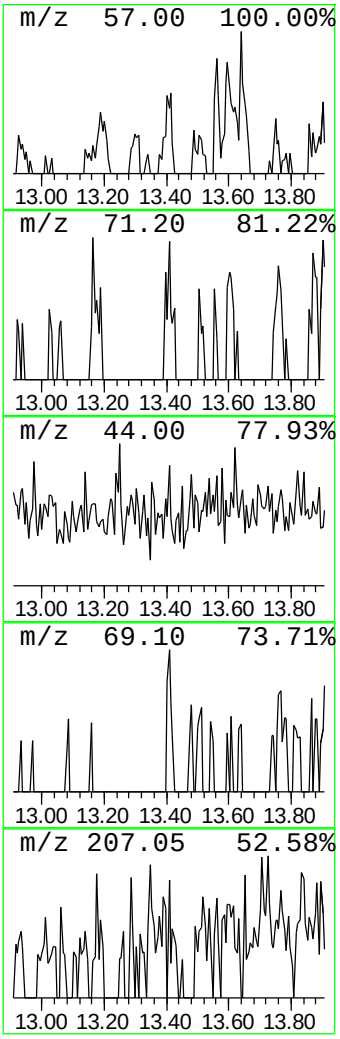
****

Peak Number 8 (DEL) Alkane: Cyclic13.41 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	2.10 ug/L	2157	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecene, 4,5-dimethyl-, [R*,S...	182	C13H26	055170-93-9	23
2	Diethylmalonic acid, monochlorid...	318	C17H31ClO3	1000369-41-8	23
3	Oxalic acid, 2-ethylhexyl isohex...	286	C16H30O4	1000309-38-8	17
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	9
5	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120219\
Data File : VW014203.D
Acq On : 02 Dec 2019 15:01
Operator : SY/VA
Sample : K6089-14RE
Misc : 2.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BR2RE

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

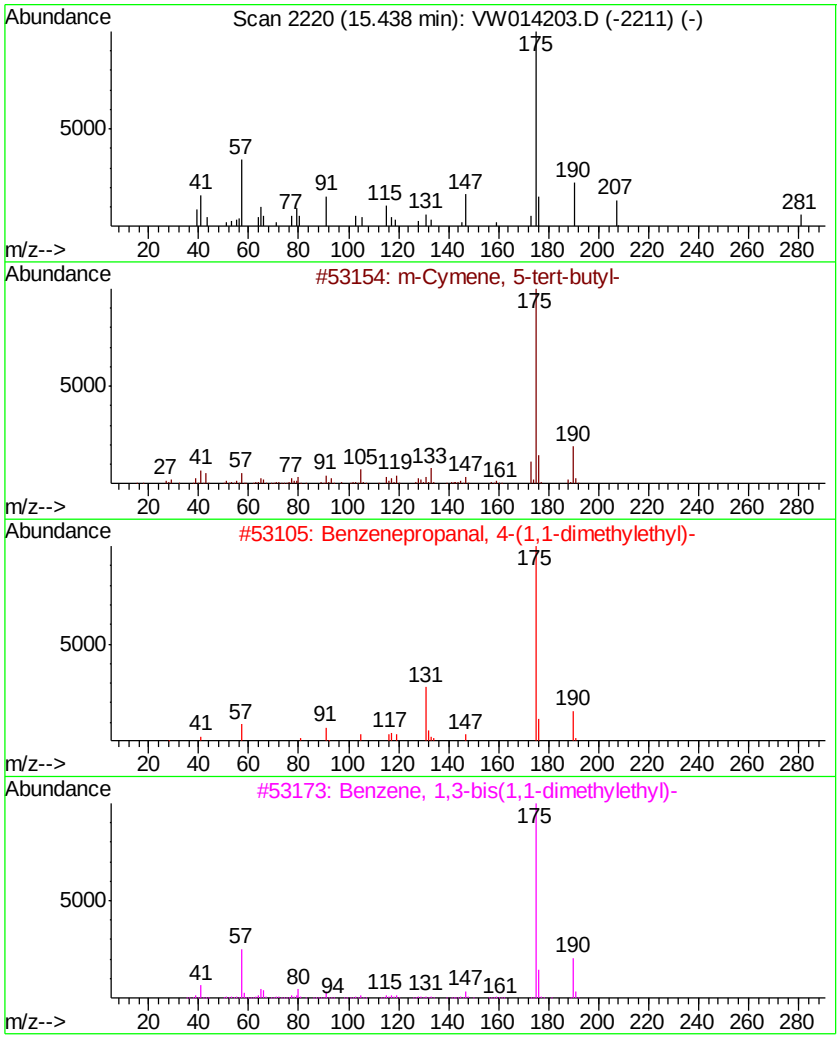
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

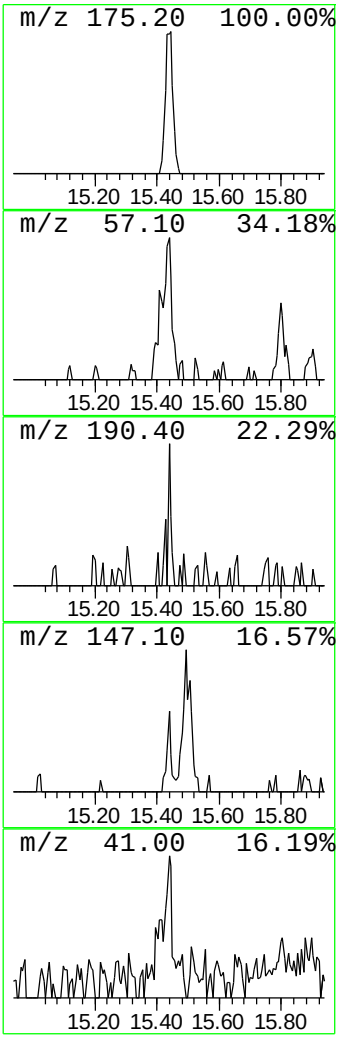
****

Peak Number 11 m-Cymene, 5-tert-butyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	16.85 ug/L	17312	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Cymene, 5-tert-butyl-	190	C14H22	029577-19-3	64
2	Benzenepropanal, 4-(1,1-dimethyl...	190	C13H18O	018127-01-0	64
3	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	64
4	Benzene, 1,5-dimethyl-2,4-bis(1-...	190	C14H22	005186-68-5	59
5	Benzene, 1,4-dimethyl-2,5-bis(1-...	190	C14H22	010375-96-9	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120219\
Data File : VW014203.D
Acq On : 02 Dec 2019 15:01
Operator : SY/VA
Sample : K6089-14RE
Misc : 2.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0BR2RE

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	2.16	5.8	ug/L	49619	1	8.84	215653	25.0
(DEL) Alkane: Cyc...	13.41	2.1	ug/L	2157	3	13.56	25681	25.0
m-Cymene, 5-tert-...	15.44	16.9	ug/L	17312	3	13.56	25681	25.0