

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081319\
 Data File : VW011889.D
 Acq On : 13 Aug 2019 12:21
 Operator : SY/VA
 Sample : K4215-20
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOD6

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.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	37	41	50	rBV3	8761	21060	4.56%	0.830%
2	2.349	68	73	87	rVB	37464	69253	15.01%	2.728%
3	2.885	156	161	172	rVB	29247	68115	14.76%	2.683%
4	3.525	264	266	267	rBV	525	360	0.08%	0.014%
5	3.678	287	291	292	rBV2	1560	2021	0.44%	0.080%
6	3.782	307	308	309	rBV	412	235	0.05%	0.009%
7	4.019	335	347	360	rBV	44614	140531	30.46%	5.536%
8	4.288	389	391	394	rBV3	629	481	0.10%	0.019%
9	4.531	429	431	432	rBV	282	254	0.06%	0.010%
10	4.556	432	435	438	rVB3	509	679	0.15%	0.027%
11	4.629	445	447	449	rBV2	451	412	0.09%	0.016%
12	4.666	451	453	455	rVV2	418	417	0.09%	0.016%
13	4.915	484	494	511	rVB	17783	62647	13.58%	2.468%
14	5.172	535	536	537	rBV	395	273	0.06%	0.011%
15	5.293	552	556	559	rVV4	466	500	0.11%	0.020%
16	5.354	564	566	568	rBV	391	342	0.07%	0.013%
17	5.415	572	576	578	rBV2	346	472	0.10%	0.019%
18	5.489	586	588	590	rBV3	295	267	0.06%	0.011%
19	5.507	590	591	594	rVB2	341	270	0.06%	0.011%
20	5.641	612	613	616	rVB2	537	391	0.08%	0.015%
21	5.671	616	618	619	rBV	303	281	0.06%	0.011%
22	5.873	649	651	652	rBV2	369	298	0.06%	0.012%
23	5.946	652	663	672	rVB7	4886	15157	3.28%	0.597%
24	6.251	712	713	716	rBV	290	255	0.06%	0.010%
25	6.336	722	727	728	rBV3	480	532	0.12%	0.021%
26	6.379	732	734	735	rVV2	475	247	0.05%	0.010%
27	6.397	735	737	739	rVV	561	424	0.09%	0.017%
28	6.610	770	772	773	rBV	385	279	0.06%	0.011%
29	6.720	788	790	792	rVV	338	376	0.08%	0.015%
30	6.738	792	793	795	rVB2	668	339	0.07%	0.013%
31	6.805	803	804	805	rBV	354	220	0.05%	0.009%
32	6.848	808	811	812	rBV	344	305	0.07%	0.012%
33	6.915	820	822	823	rBV	428	427	0.09%	0.017%
34	6.964	828	830	834	rVB3	553	546	0.12%	0.022%

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35	7.080	841	849	856	rBV2	18779	58874	12.76%	2.319%
36	7.293	882	884	886	rVB	475	257	0.06%	0.010%
37	7.342	890	892	894	rVB2	361	224	0.05%	0.009%
38	7.397	896	901	904	rBV3	634	1249	0.27%	0.049%
39	7.543	920	925	927	rVB4	364	481	0.10%	0.019%
40	7.647	931	942	954	rBV	83872	213928	46.36%	8.427%
41	7.848	973	975	977	rBV2	479	433	0.09%	0.017%
42	7.897	981	983	984	rVV	514	269	0.06%	0.011%
43	7.945	988	991	993	rBV2	699	856	0.19%	0.034%
44	8.019	1000	1003	1007	rBV3	200	250	0.05%	0.010%
45	8.049	1007	1008	1011	rBV2	298	269	0.06%	0.011%
46	8.134	1020	1022	1023	rVB	424	293	0.06%	0.012%
47	8.153	1023	1025	1027	rVB2	313	247	0.05%	0.010%
48	8.177	1027	1029	1030	rBV2	390	326	0.07%	0.013%
49	8.275	1035	1045	1060	rBV2	139461	461432	100.00%	18.177%
50	8.726	1117	1119	1121	rVB	265	218	0.05%	0.009%
51	8.842	1130	1138	1148	rBV	119851	240512	52.12%	9.474%
52	9.110	1180	1182	1184	rBV2	342	306	0.07%	0.012%
53	9.183	1192	1194	1198	rVB2	559	563	0.12%	0.022%
54	9.274	1200	1209	1218	rBV	111703	227914	49.39%	8.978%
55	9.665	1268	1273	1278	rBV5	1229	1993	0.43%	0.079%
56	9.738	1281	1285	1286	rBV2	327	329	0.07%	0.013%
57	9.829	1298	1300	1302	rBV	452	392	0.08%	0.015%
58	9.848	1302	1303	1306	rVV	360	308	0.07%	0.012%
59	9.890	1308	1310	1312	rBV	498	439	0.10%	0.017%
60	9.957	1320	1321	1324	rBV2	253	234	0.05%	0.009%
61	10.037	1326	1334	1343	rVV	42946	78236	16.96%	3.082%
62	10.122	1346	1348	1354	rVV3	850	1701	0.37%	0.067%
63	10.244	1366	1368	1370	rBV2	298	282	0.06%	0.011%
64	10.323	1373	1381	1388	rBV	98690	174411	37.80%	6.871%
65	10.579	1417	1423	1431	rBV2	25268	45271	9.81%	1.783%
66	10.707	1438	1444	1451	rVB	9930	18608	4.03%	0.733%
67	10.866	1468	1470	1473	rVB	444	435	0.09%	0.017%
68	10.927	1473	1480	1495	rBV4	60269	131579	28.52%	5.183%
69	11.298	1539	1541	1543	rVB	448	349	0.08%	0.014%
70	11.335	1546	1547	1550	rBV	393	337	0.07%	0.013%
71	11.366	1550	1552	1553	rBV2	350	312	0.07%	0.012%

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72	11.396	1555	1557	1559	rVB2	627	433	0.09%	0.017%
73	11.427	1559	1562	1563	rBV2	447	334	0.07%	0.013%
74	11.542	1580	1581	1583	rVB2	584	374	0.08%	0.015%
75	11.567	1583	1585	1587	rBV2	305	328	0.07%	0.013%
76	11.634	1588	1596	1607	rVV	93676	162327	35.18%	6.395%
77	11.792	1619	1622	1623	rVB3	413	365	0.08%	0.014%
78	11.811	1623	1625	1626	rBV	671	508	0.11%	0.020%
79	11.835	1627	1629	1632	rVV3	907	1128	0.24%	0.044%
80	12.085	1668	1670	1673	rBV3	493	469	0.10%	0.018%
81	12.115	1673	1675	1677	rVB	450	292	0.06%	0.012%
82	12.146	1677	1680	1681	rBV2	417	420	0.09%	0.017%
83	12.243	1692	1696	1697	rBV2	359	458	0.10%	0.018%
84	12.323	1703	1709	1710	rBV2	678	1001	0.22%	0.039%
85	12.341	1710	1712	1715	rVB3	957	966	0.21%	0.038%
86	12.469	1729	1733	1739	rBV6	1867	4023	0.87%	0.158%
87	12.609	1750	1756	1762	rVB2	17174	28184	6.11%	1.110%
88	12.695	1763	1770	1777	rBV	64453	108034	23.41%	4.256%
89	12.756	1777	1780	1783	rBV2	1297	1558	0.34%	0.061%
90	13.164	1842	1847	1849	rBV3	537	1032	0.22%	0.041%
91	13.188	1849	1851	1853	rBV3	654	836	0.18%	0.033%
92	13.255	1858	1862	1865	rBV4	1494	2338	0.51%	0.092%
93	13.469	1893	1897	1901	rBV4	1822	3602	0.78%	0.142%
94	13.560	1906	1912	1920	rBV	36013	60157	13.04%	2.370%
95	13.853	1954	1960	1968	rBV2	30309	54899	11.90%	2.163%
96	14.072	1991	1996	2003	rVB	17941	27710	6.01%	1.092%
97	14.335	2033	2039	2042	rBV6	2808	4712	1.02%	0.186%
98	14.499	2064	2066	2069	rBV3	1049	1278	0.28%	0.050%
99	14.993	2145	2147	2148	rBV	660	356	0.08%	0.014%
100	15.438	2212	2220	2226	rBV3	9005	17617	3.82%	0.694%

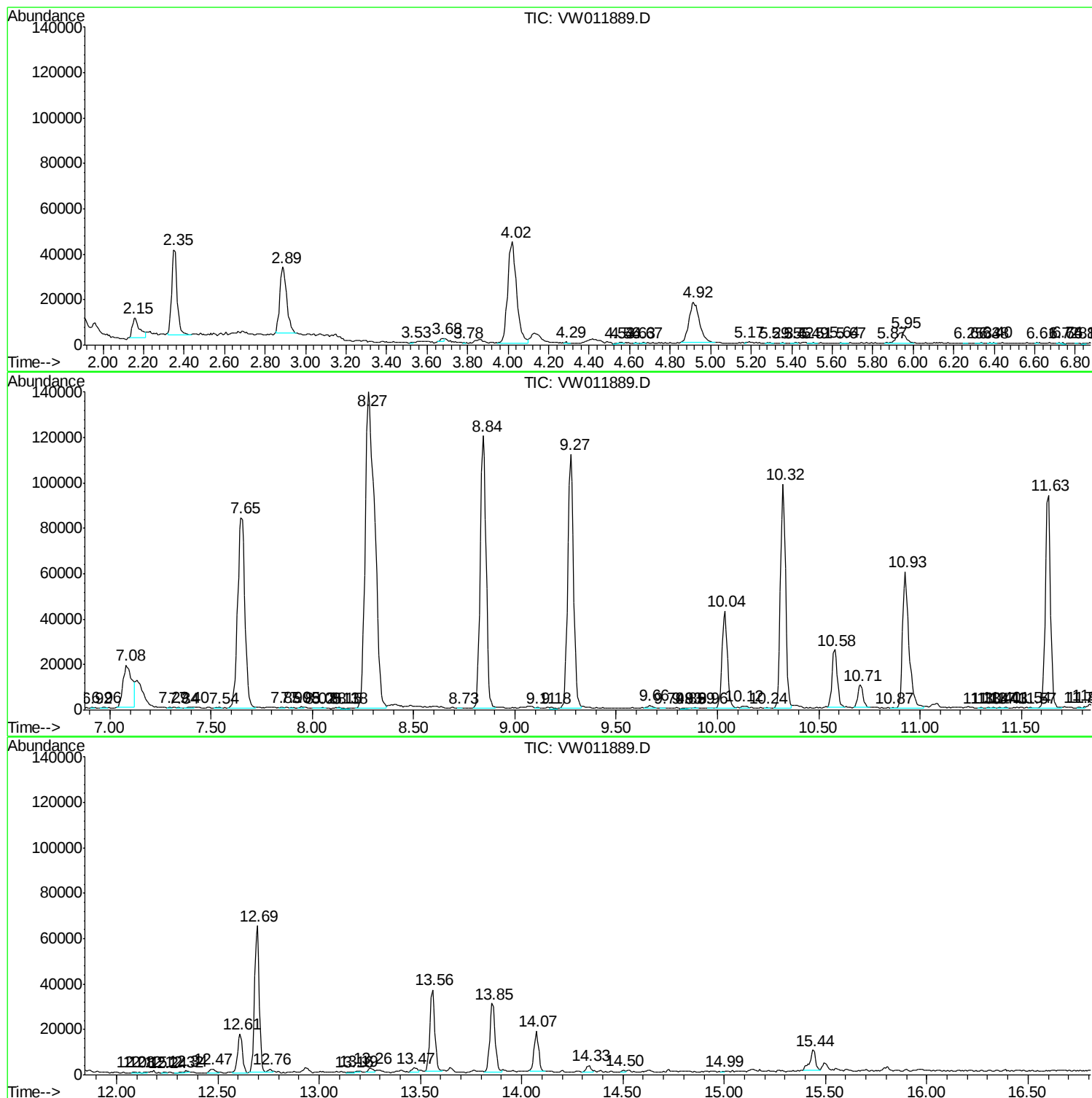
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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



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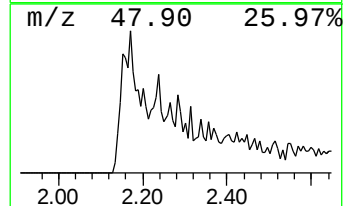
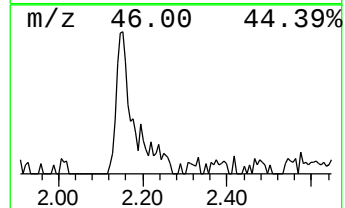
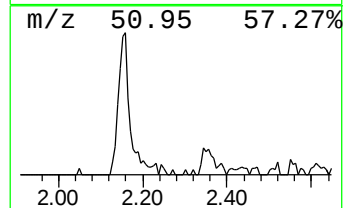
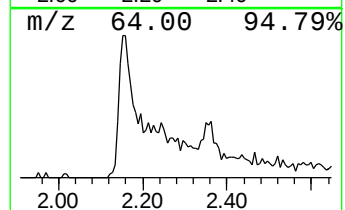
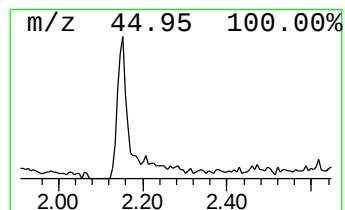
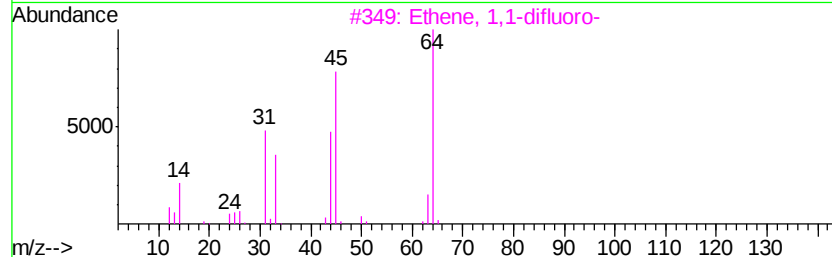
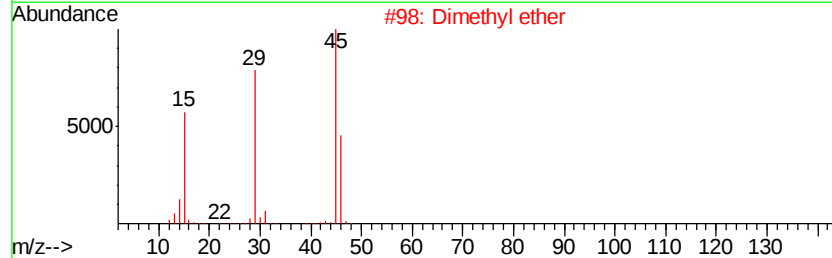
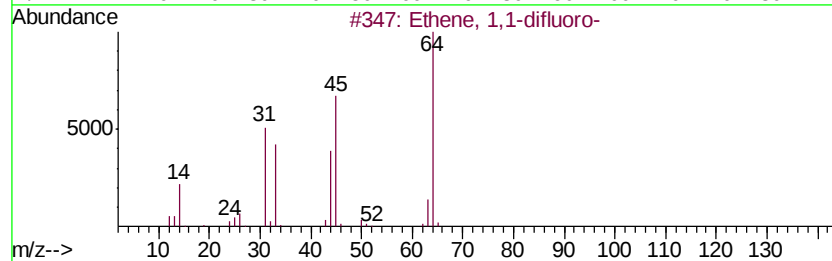
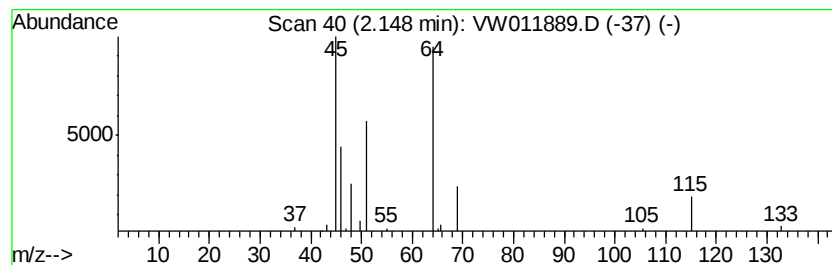
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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.
2.15	2.19 ug/L	21060	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	9
2		Dimethyl ether	46	C2H6O	000115-10-6	7
3		Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	7
4		Ethanol	46	C2H6O	000064-17-5	5
5		Ethanol	46	C2H6O	000064-17-5	4



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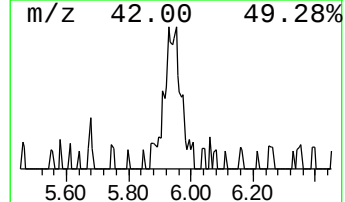
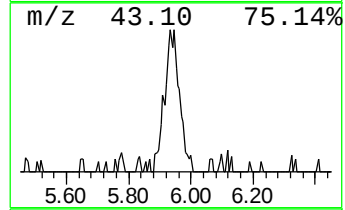
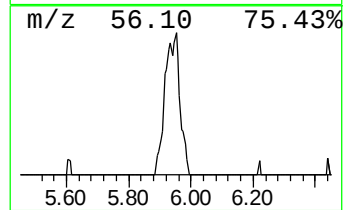
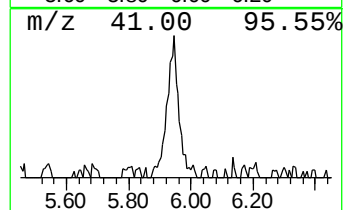
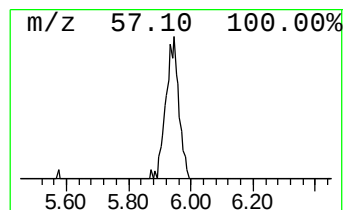
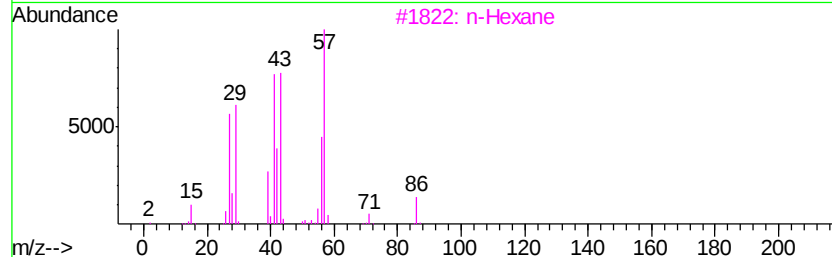
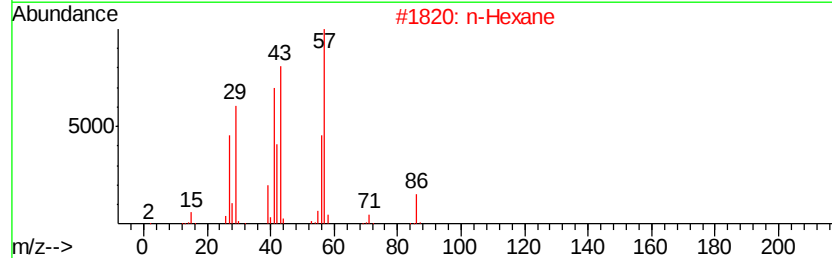
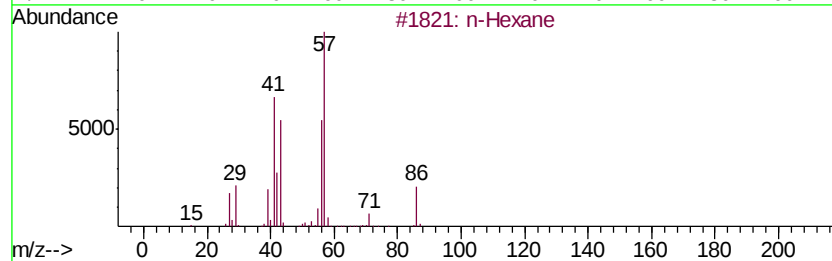
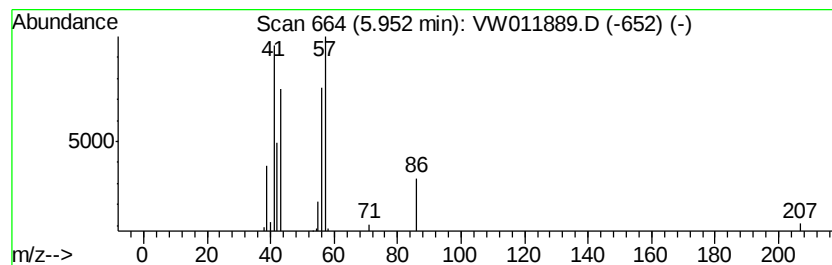
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	1.58 ug/L	15157	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexane	86	C6H14	000110-54-3	72
2			n-Hexane	86	C6H14	000110-54-3	42
3			n-Hexane	86	C6H14	000110-54-3	36
4			1-Pentene, 4-methyl-	84	C6H12	000691-37-2	25
5			1-Propene, 2-methyl-	56	C4H8	000115-11-7	16



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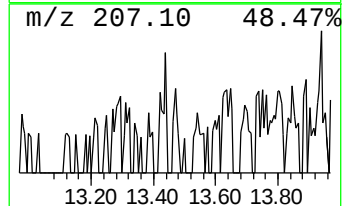
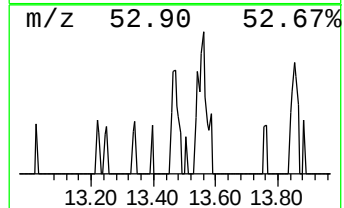
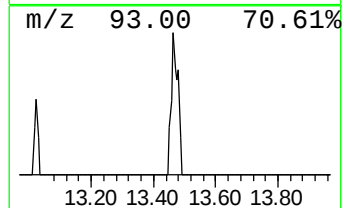
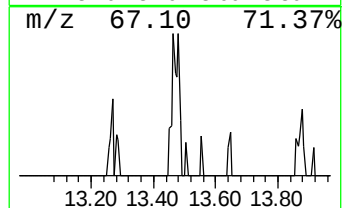
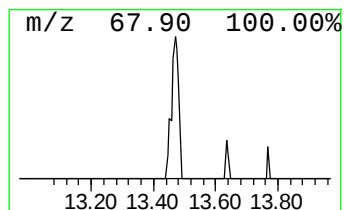
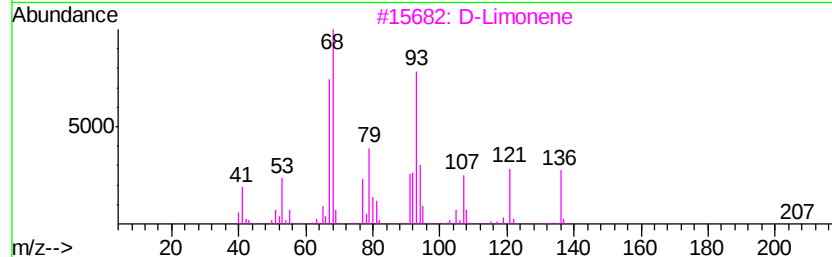
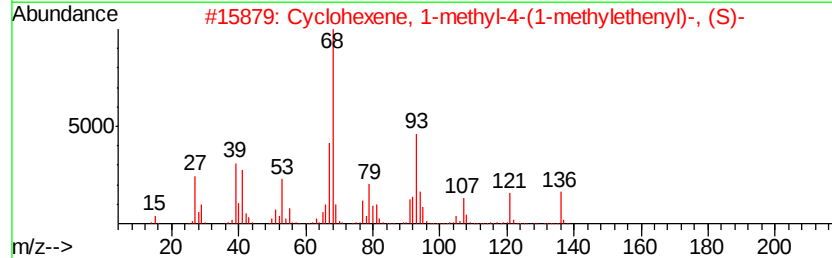
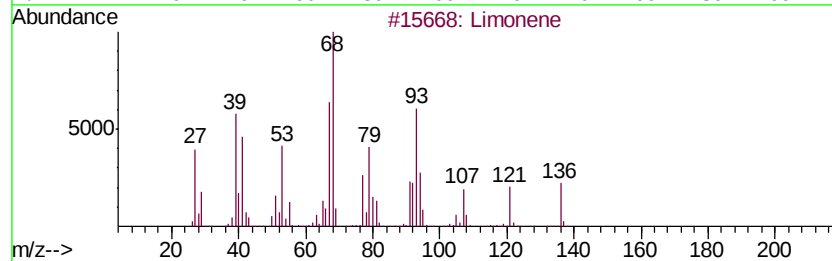
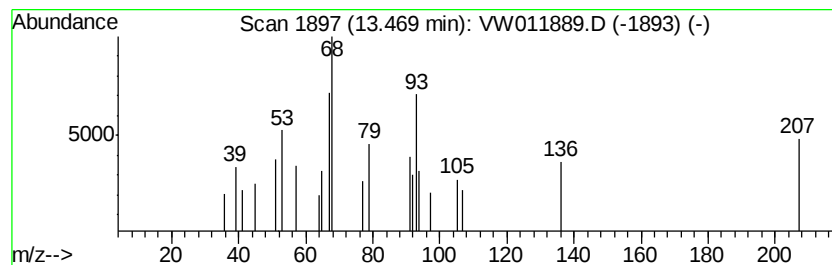
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Peak Number 6 Limonene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	1.50 ug/L	3602	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Limonene		136 C10H16	000138-86-3 80
2	Cyclohexene, 1-methyl-4-(1-methy...		136 C10H16	005989-54-8 49
3	D-Limonene		136 C10H16	005989-27-5 43
4	1,5-Cyclooctadiene, 1,5-dimethyl-		136 C10H16	003760-14-3 42
5	Dehydroelsholtzia ketone		164 C10H12O2	006138-88-1 38



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MSVOA_W
ClientSampleId :
ETOD6

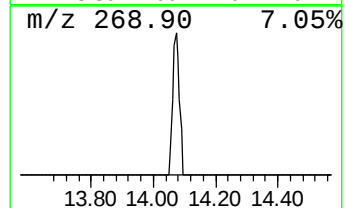
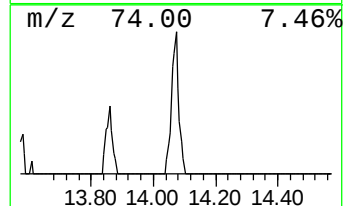
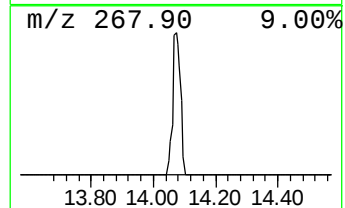
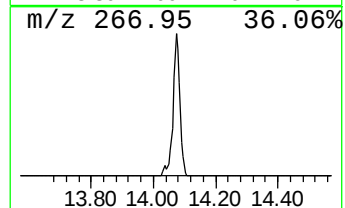
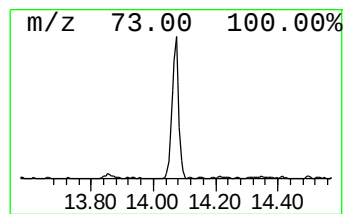
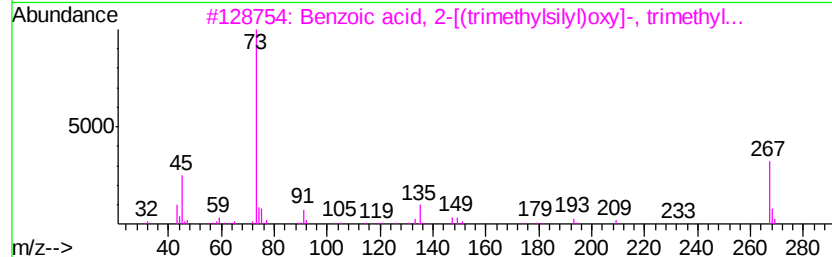
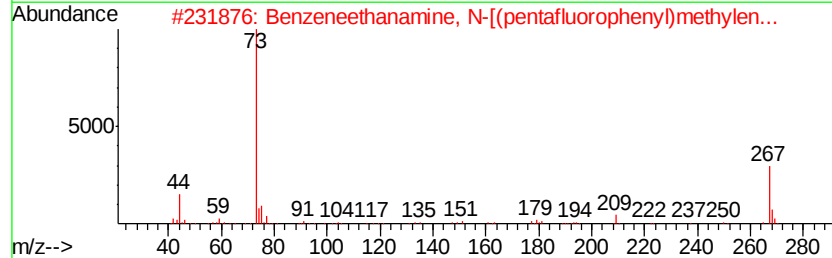
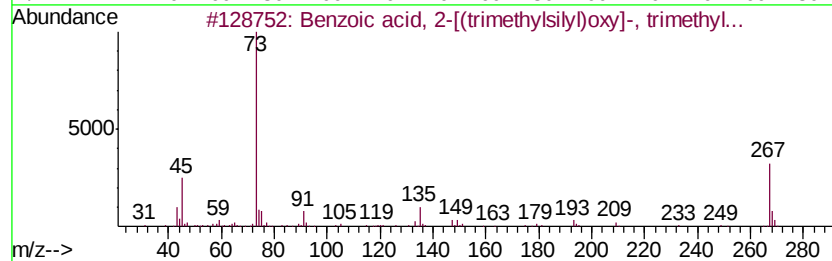
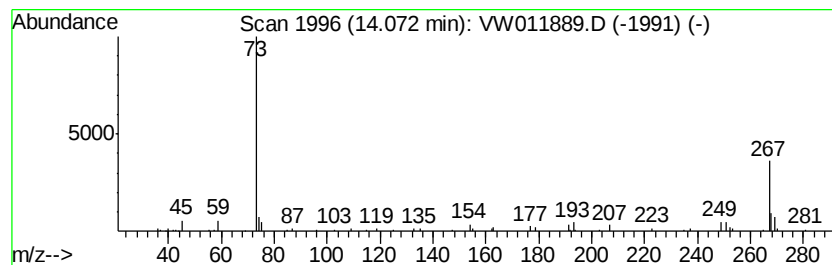
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Quant Title : VOC Analysis

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

Peak Number 7 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	11.52 ug/L	27710	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	45
2		Benzenethanamine, N-[(pentafluorophenyl)methyl]oxy]-, trimethyl...	475	C21H26F5N02Si2	055429-85-1	40
3		Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	38
4		Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	38
5		Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081319\
Data File : VW011889.D
Acq On : 13 Aug 2019 12:21
Operator : SY/VA
Sample : K4215-20
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOD6

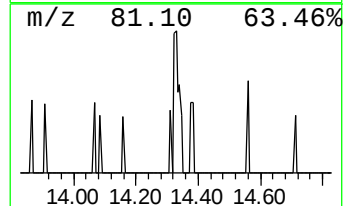
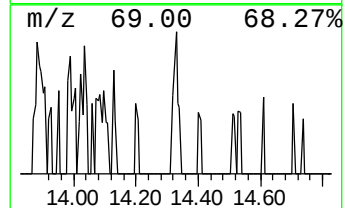
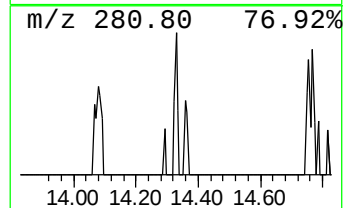
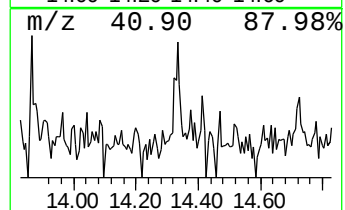
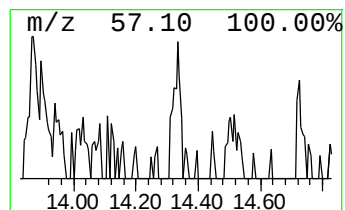
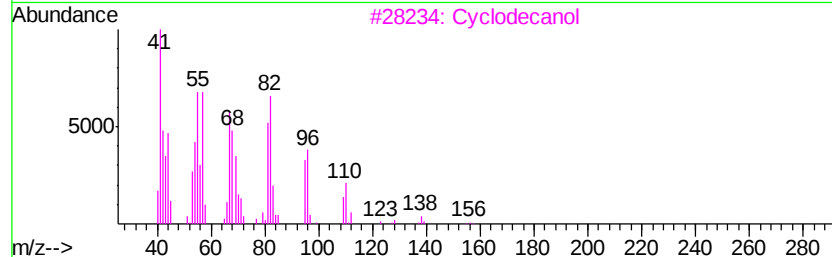
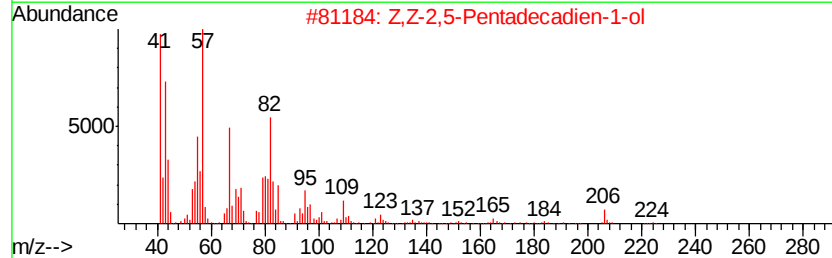
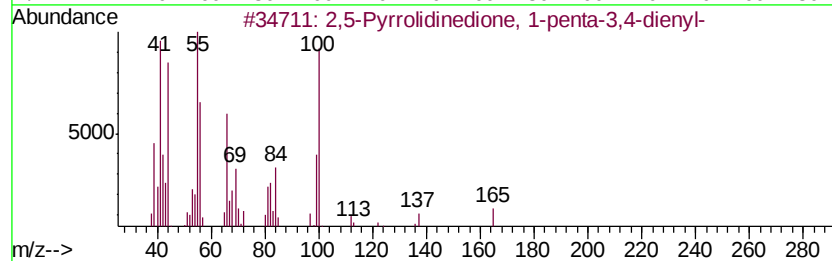
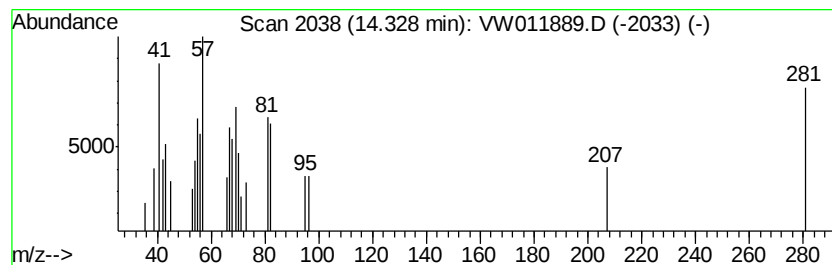
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Quant Title : VOC Analysis

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

Peak Number 8 unknown-03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	1.96 ug/L	4712	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,5-Pyrrolidinedione, 1-penta-3,...	165	C9H11N02	081068-32-8	25
2		Z,Z-2,5-Pentadecadien-1-ol	224	C15H28O	139185-79-8	12
3		Cyclodecanol	156	C10H20O	001502-05-2	12
4		Cyclooctyl alcohol	128	C8H16O	000696-71-9	10
5		Cyclopentanol, 2-methyl-, cis-	100	C6H12O	025144-05-2	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081319\
Data File : VW011889.D
Acq On : 13 Aug 2019 12:21
Operator : SY/VA
Sample : K4215-20
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOD6

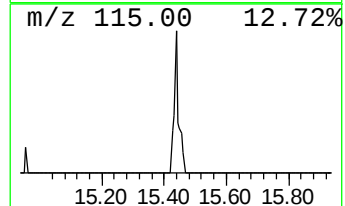
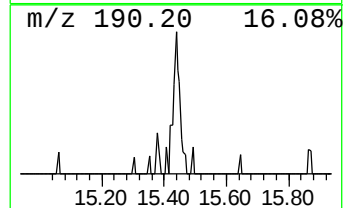
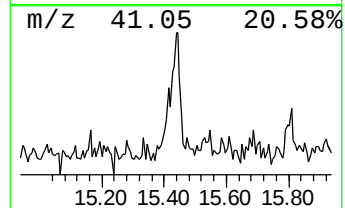
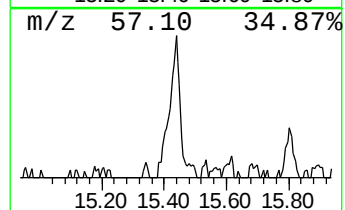
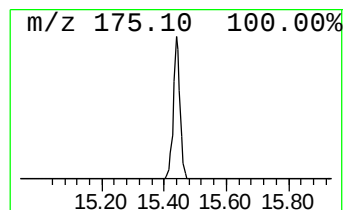
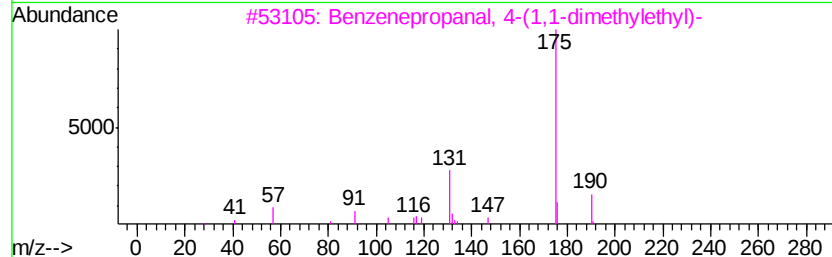
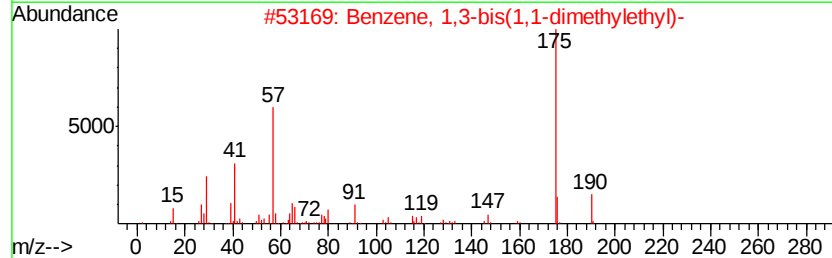
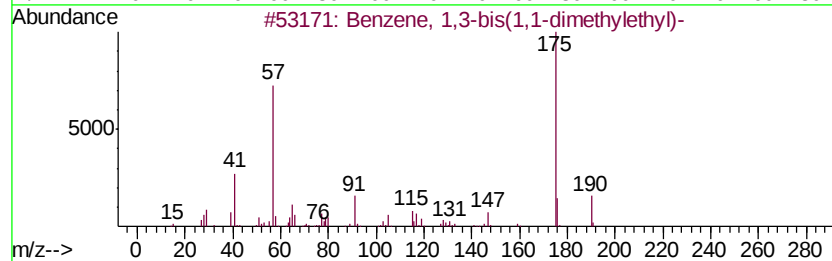
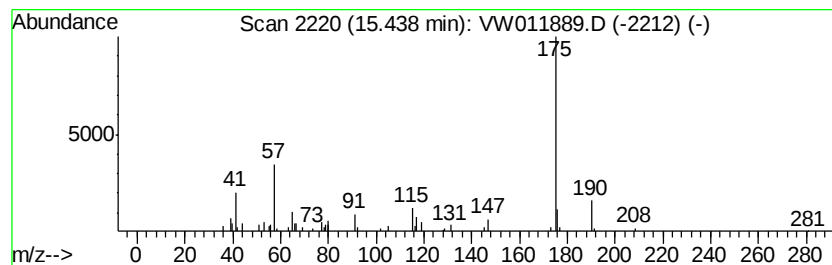
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	7.32 ug/L	17617	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	87
2		Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	83
3		Benzenepropanal, 4-(1,1-dimethyl...	190	C13H18O	018127-01-0	81
4		Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	80
5		Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081319\
Data File : VW011889.D
Acq On : 13 Aug 2019 12:21
Operator : SY/VA
Sample : K4215-20
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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(DEL) Alkane: Str...	5.95	1.6	ug/L	15157	1	8.84	240512	25.0
Limonene	13.47	1.5	ug/L	3602	3	13.56	60157	25.0
unknown-02	14.07	11.5	ug/L	27710	3	13.56	60157	25.0
unknown-03	14.33	2.0	ug/L	4712	3	13.56	60157	25.0
Benzene, 1,3-bis(...	15.44	7.3	ug/L	17617	3	13.56	60157	25.0