LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\
Data File : VW011327.D
Acq On : 18 Jul 2019 01:00
Operator : SY/VA
Sample : K3863-09
Misc : 4.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52J0

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\SOM2WLM070219S.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	1.989	9	14	31	rVB	41697	104943	1.36%	0.696%
2	2.148	34	40	45	rBV	71297	175812	2.29%	1.166%
3	2.361	69	75	91	rVB2	102290	286109	3.72%	1.898%
4	2.885	155	161	176	rVB	37385	108675	1.41%	0.721%
5	3.373	236	241	248	rVB3	3590	8135	0.11%	0.054%
6	3.531	264	267	269	rBV3	567	820	0.01%	0.005%
7	3.720	291	298	304	rBV5	1544	3522	0.05%	0.023%
8	4.013	333	346	357	rBV	78540	276986	3.60%	1.837%
9	4.117	358	363	381	rVB	21671	66146	0.86%	0.439%
10	4.312	393	395	397	rBV3	473	535	0.01%	0.004%
11	4.379	398	406	417	rVV2	7628	26236	0.34%	0.174%
12	4.665	446	453	461	rBV	6112	15966	0.21%	0.106%
13	4.891	485	490	491	rBV4	1682	2392	0.03%	0.016%
14	5.043	513	515	520	rBV5	520	769	0.01%	0.005%
15	5.415	564	576	592	rBV	64525	202518	2.63%	1.343%
16	5.775	624	635	647	rVB3	4268	14585	0.19%	0.097%
17	5.927	651	660	662	rBV4	1571	3274	0.04%	0.022%
18	6.074	680	684	685	rBV2	1077	1114	0.01%	0.007%
19	6.208	700	706	716	rVB3	3069	8628	0.11%	0.057%
20	6.598	767	770	771	rBV4	879	1082	0.01%	0.007%
21	6.854	810	812	813	rBV	574	556	0.01%	0.004%
22	6.903	813	820	828	rVB6	2382	6999	0.09%	0.046%
23	6.988	830	834	838	rBV4	543	891	0.01%	0.006%
24	7.074	839	848	853	rBV	54179	146548	1.90%	0.972%
25	7.165	853	863	882	rVB	2921991	7693145	100.00%	51.027%
26	7.427	904	906	909	rVB3	589	571	0.01%	0.004%
27	7.531	919	923	925	rBV4	682	1006	0.01%	0.007%
28	7.647	931	942	955	rBV	147891	367445	4.78%	2.437%
29	7.781	959	964	966	rBV4	810	1212	0.02%	0.008%
30	7.921	984	987	988	rBV2	648	546	0.01%	0.004%
31	8.128	1018	1021	1024	rBV3	568	769	0.01%	0.005%
32	8.275	1032	1045	1060	rBV2	285086	891279	11.59%	5.912%
33	8.384	1060	1063	1071	rVB6	916	2079	0.03%	0.014%
34	8.494	1078	1081	1083	rBV3	448	752	0.01%	0.005%

LSC Area Percent Report

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Operator : SY/VA
Sample : K3863-09
Misc : 4.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52J0

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\SOM2WLM070219S.M
Title : VOC Analysis

35	8.549	1083	1090	1100	rBV3	8407	19423	0.25%	0.129%
36	8.701	1107	1115	1124	rBV6	4117	12069	0.16%	0.080%
37	8.842	1128	1138	1152	rBV	297378	586247	7.62%	3.888%
38	9.079	1168	1177	1186	rVV5	13560	35192	0.46%	0.233%
39	9.274	1200	1209	1224	rBV	218753	470428	6.11%	3.120%
40	9.409	1225	1231	1241	rVV2	16716	33125	0.43%	0.220%
41	9.518	1247	1249	1254	rBV4	434	614	0.01%	0.004%
42	9.658	1266	1272	1281	rBV6	3419	7622	0.10%	0.051%
43	9.890	1306	1310	1316	rVB5	1830	3332	0.04%	0.022%
44	10.036	1326	1334	1342	rBV	100052	184048	2.39%	1.221%
45	10.122	1342	1348	1351	rBV5	1793	3474	0.05%	0.023%
46	10.323	1371	1381	1387	rBV	331795	583428	7.58%	3.870%
47	10.384	1387	1391	1402	rVB	38864	71394	0.93%	0.474%
48	10.500	1405	1410	1416	rVB7	2992	6578	0.09%	0.044%
49	10.579	1416	1423	1431	rBV	66918	119513	1.55%	0.793%
50	10.701	1437	1443	1451	rBV2	10936	20840	0.27%	0.138%
51	10.920	1473	1479	1495	rBV	190012	334863	4.35%	2.221%
52	11.073	1497	1504	1515	rBV	163269	272738	3.55%	1.809%
53	11.329	1545	1546	1550	rBV3	594	678	0.01%	0.004%
54	11.408	1556	1559	1560	rBV2	504	540	0.01%	0.004%
55	11.439	1562	1564	1567	rBV2	610	563	0.01%	0.004%
56	11.628	1588	1595	1607	rVV	325452	562323	7.31%	3.730%
57	11.731	1607	1612	1617	rVB2	3944	6437	0.08%	0.043%
58	11.841	1623	1630	1643	rBV3	11162	26361	0.34%	0.175%
59	11.945	1644	1647	1649	rBV3	651	621	0.01%	0.004%
60	12.024	1655	1660	1663	rBV5	1163	2095	0.03%	0.014%
61	12.103	1670	1673	1674	rBV2	614	565	0.01%	0.004%
62	12.170	1677	1684	1687	rVB8	1023	2204	0.03%	0.015%
63	12.237	1690	1695	1702	rBV8	1132	2531	0.03%	0.017%
64	12.341	1707	1712	1725	rVB7	6937	14351	0.19%	0.095%
65	12.469	1730	1733	1737	rVB4	1000	1380	0.02%	0.009%
66	12.609	1746	1756	1763	rBV	54271	91018	1.18%	0.604%
67	12.695	1763	1770	1779	rVB	171576	297350	3.87%	1.972%
68	12.920	1801	1807	1812	rBV2	26630	46899	0.61%	0.311%
69	13.036	1821	1826	1831	rBV4	5792	12513	0.16%	0.083%
70	13.097	1831	1836	1841	rVB5	3712	6770	0.09%	0.045%
71	13.158	1844	1846	1849	rVB3	771	686	0.01%	0.005%

LSC Area Percent Report

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Misc : 4.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52J0

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\SOM2WLM070219S.M
Title : VOC Analysis

72	13.194	1849	1852	1855	rBV4	848	1220	0.02%	0.008%
73	13.280	1859	1866	1871	rBV6	4148	8602	0.11%	0.057%
74	13.402	1880	1886	1890	rVV4	6444	11323	0.15%	0.075%
75	13.444	1890	1893	1897	rVV6	3407	6307	0.08%	0.042%
76	13.499	1897	1902	1906	rVV	28805	44815	0.58%	0.297%
77	13.560	1906	1912	1921	rVV	200965	330146	4.29%	2.190%
78	13.646	1923	1926	1931	rVV3	6384	10565	0.14%	0.070%
79	13.719	1934	1938	1941	rVB5	926	1536	0.02%	0.010%
80	13.853	1953	1960	1967	rBV	167058	281194	3.66%	1.865%
81	14.072	1991	1996	2006	rVB2	23013	38823	0.50%	0.258%
82	14.328	2032	2038	2042	rBV5	7192	12793	0.17%	0.085%
83	14.420	2051	2053	2054	rBV2	1315	1334	0.02%	0.009%
84	14.530	2066	2071	2076	rVB	9747	15691	0.20%	0.104%
85	14.725	2101	2103	2109	rVB5	3312	3821	0.05%	0.025%
86	14.792	2109	2114	2119	rBV7	1904	4172	0.05%	0.028%
87	14.859	2119	2125	2131	rVB5	5472	9380	0.12%	0.062%
88	15.072	2155	2160	2165	rBV6	2933	6138	0.08%	0.041%
89	15.115	2165	2167	2168	rVV2	894	739	0.01%	0.005%
90	15.133	2168	2170	2174	rVB4	1414	1396	0.02%	0.009%
91	15.188	2174	2179	2186	rBV7	3148	7257	0.09%	0.048%
92	15.255	2186	2190	2195	rBV6	3387	4911	0.06%	0.033%
93	15.377	2207	2210	2212	rVB2	1501	1533	0.02%	0.010%
94	15.499	2226	2230	2234	rVB2	2407	3628	0.05%	0.024%
95	15.688	2259	2261	2263	rVB2	609	537	0.01%	0.004%
96	15.804	2277	2280	2283	rBV3	584	826	0.01%	0.005%
97	16.328	2363	2366	2370	rVV3	679	1317	0.02%	0.009%
98	16.566	2403	2405	2409	rVB4	1078	1388	0.02%	0.009%
99	16.615	2409	2413	2416	rBV3	1046	1848	0.02%	0.012%
100	16.767	2436	2438	2440	rBV3	616	613	0.01%	0.004%

Sum of corrected areas: 15076711

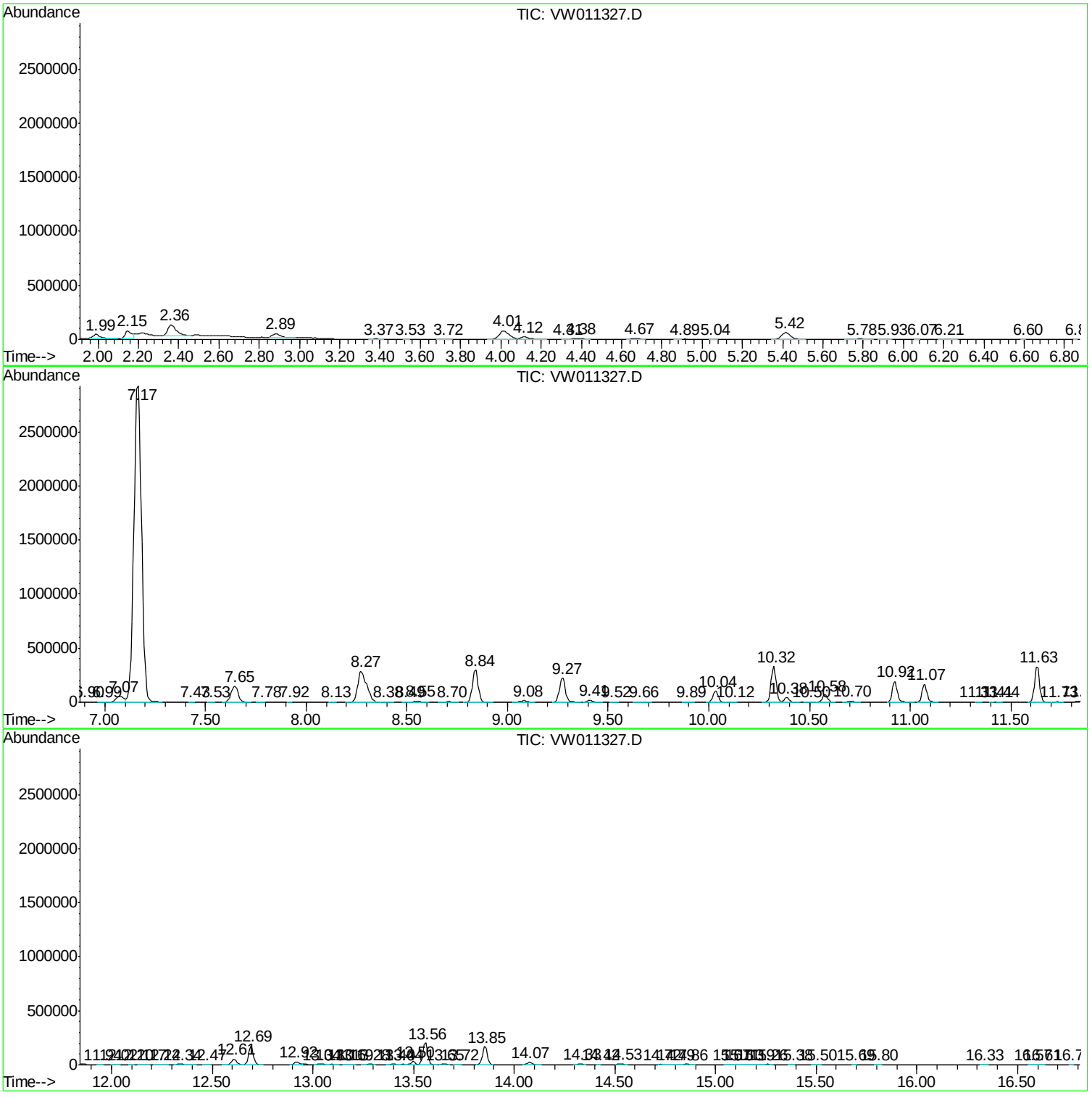
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\
Data File : VW011327.D
Acq On : 18 Jul 2019 01:00
Operator : SY/VA
Sample : K3863-09
Misc : 4.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

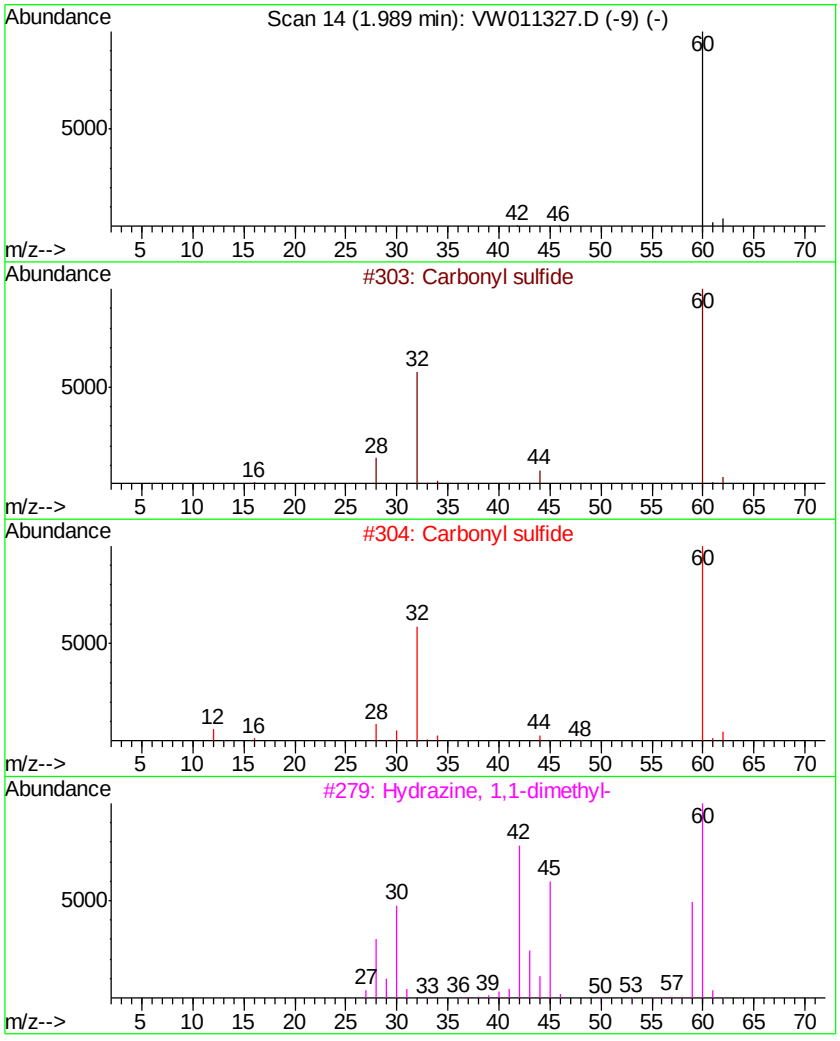
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

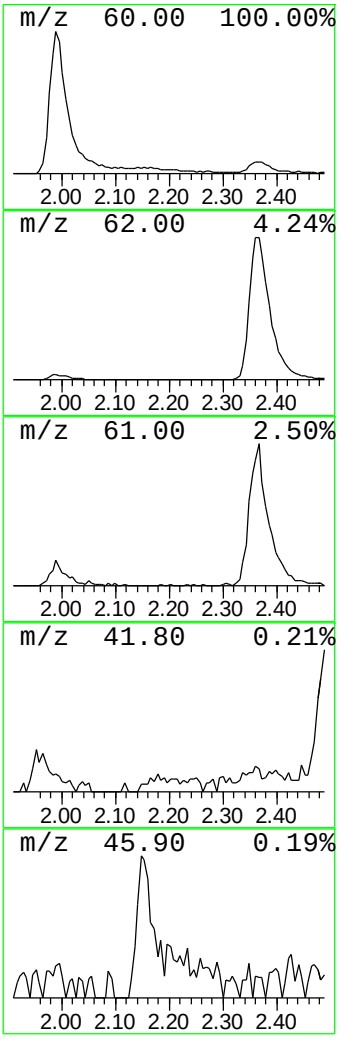
****

Peak Number 1 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.99	4.48 ug/L	104943	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonyl sulfide	60	COS	000463-58-1	5
2	Carbonyl sulfide	60	COS	000463-58-1	5
3	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	4
4	Thiirane	60	C2H4S	000420-12-2	4
5	Urea	60	CH4N2O	000057-13-6	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\
Data File : VW011327.D
Acq On : 18 Jul 2019 01:00
Operator : SY/VA
Sample : K3863-09
Misc : 4.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

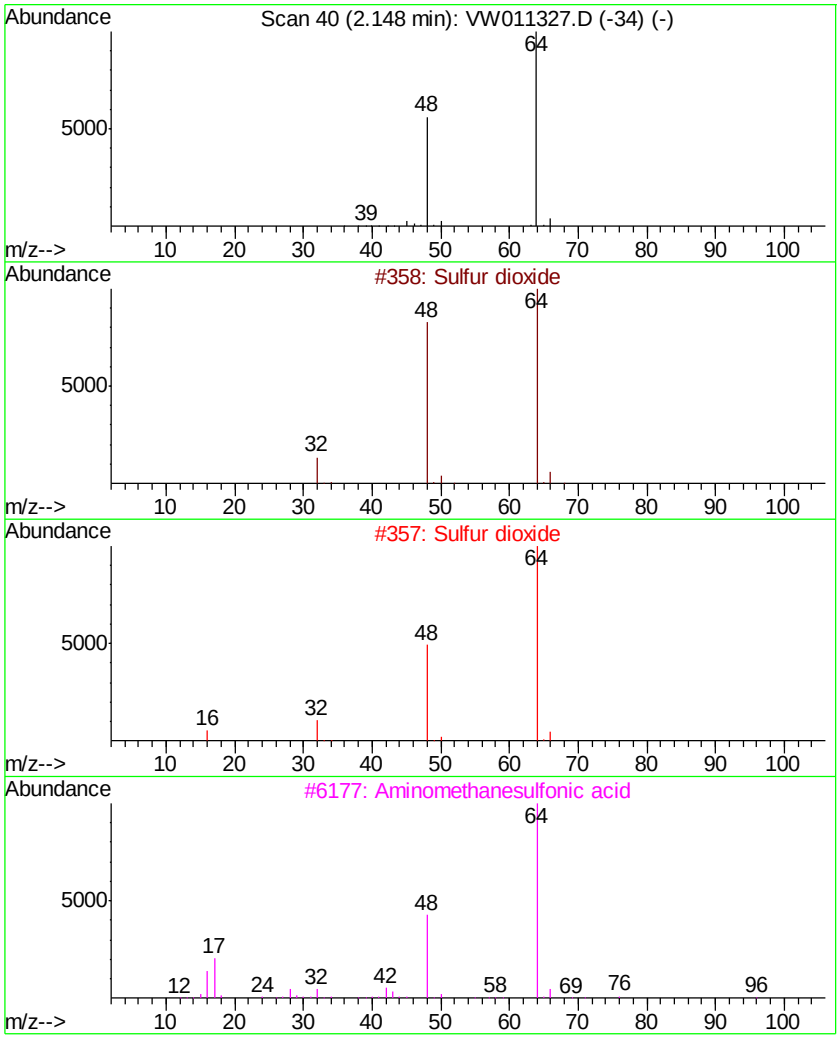
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

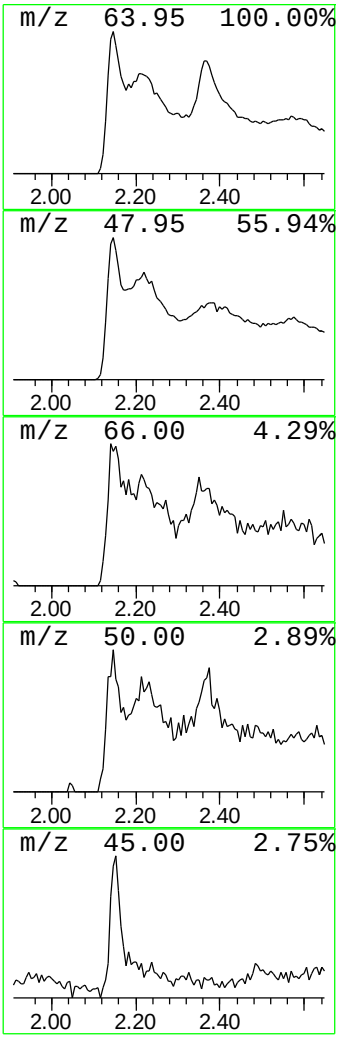
****

Peak Number 2 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	7.50 ug/L	175812	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Sulfur dioxide	64	O2S	007446-09-5	83
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\
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Instrument : MSVOA_W
ClientSampleId : A52J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

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

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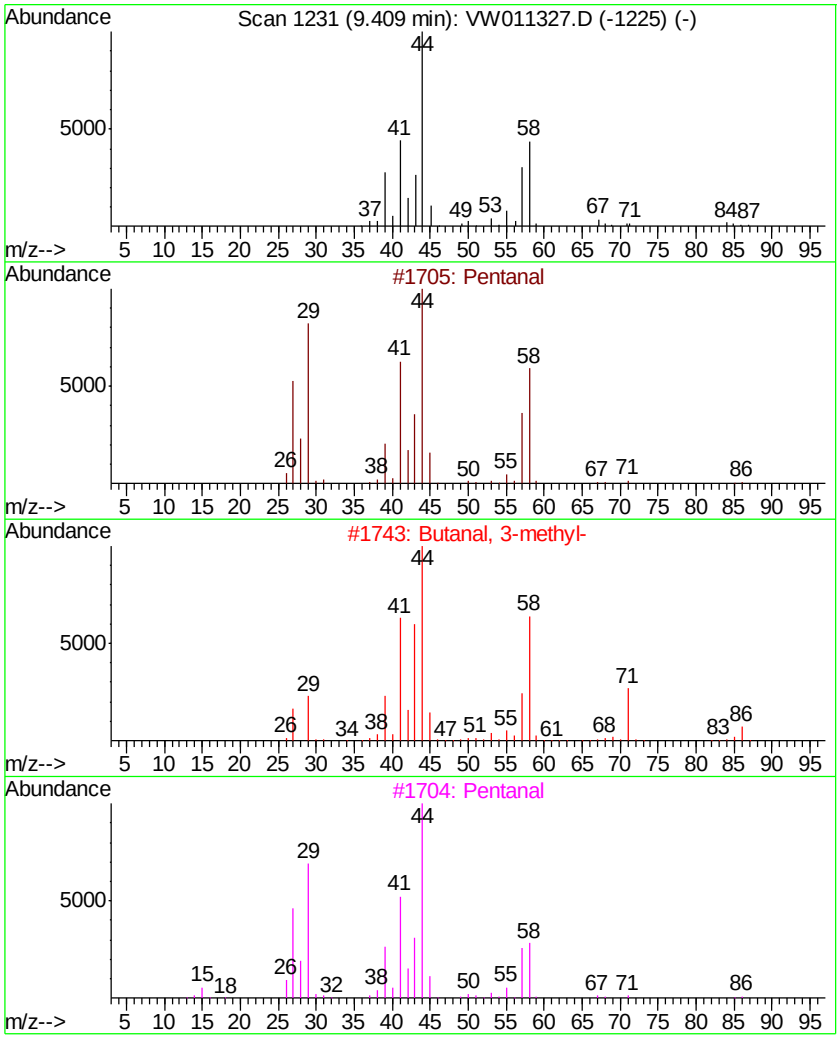
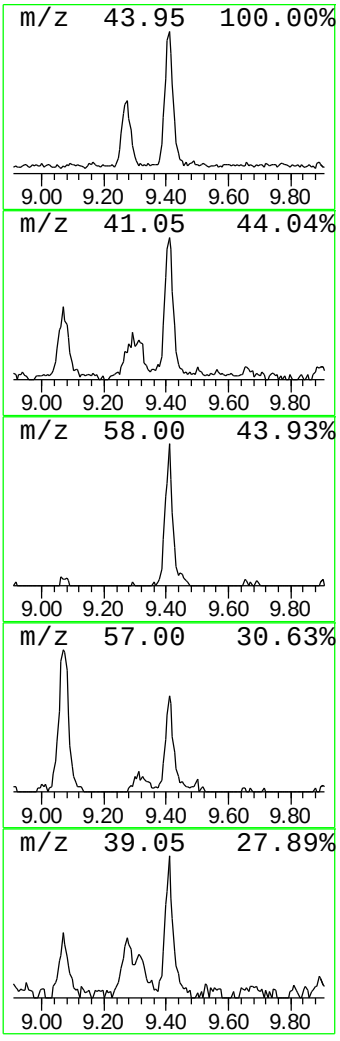
Peak Number 3 Pentanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	1.41 ug/L	33125	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	86
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	72
3	Pentanal	86	C5H10O	000110-62-3	64
4	Pentanal	86	C5H10O	000110-62-3	64
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\
Data File : VW011327.D
Acq On : 18 Jul 2019 01:00
Operator : SY/VA
Sample : K3863-09
Misc : 4.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

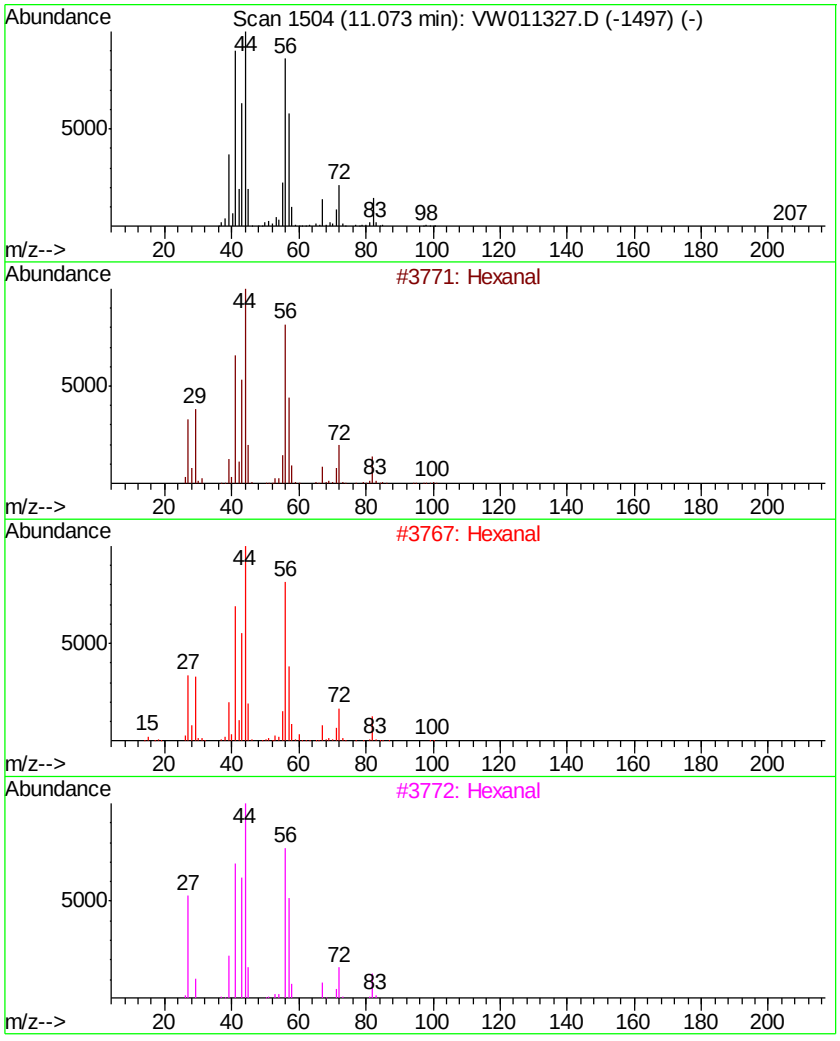
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

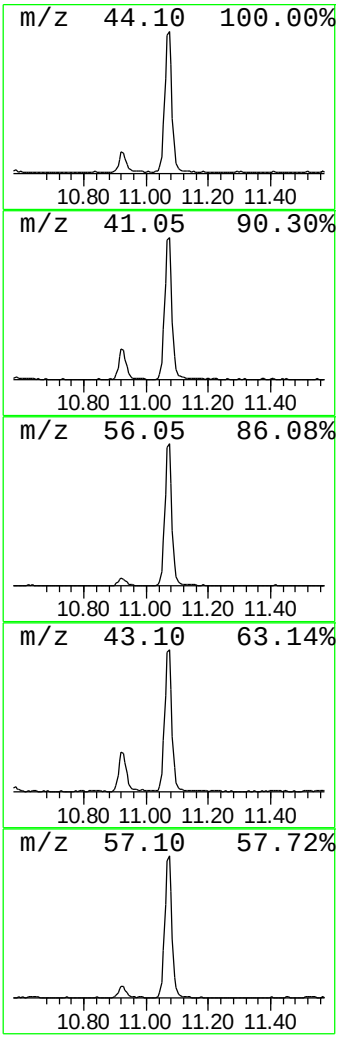
****

Peak Number 5 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	12.13 ug/L	272738	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	87
3	Hexanal	100	C6H12O	000066-25-1	86
4	Hexanal	100	C6H12O	000066-25-1	78
5	Butanal	72	C4H8O	000123-72-8	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\
Data File : VW011327.D
Acq On : 18 Jul 2019 01:00
Operator : SY/VA
Sample : K3863-09
Misc : 4.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

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

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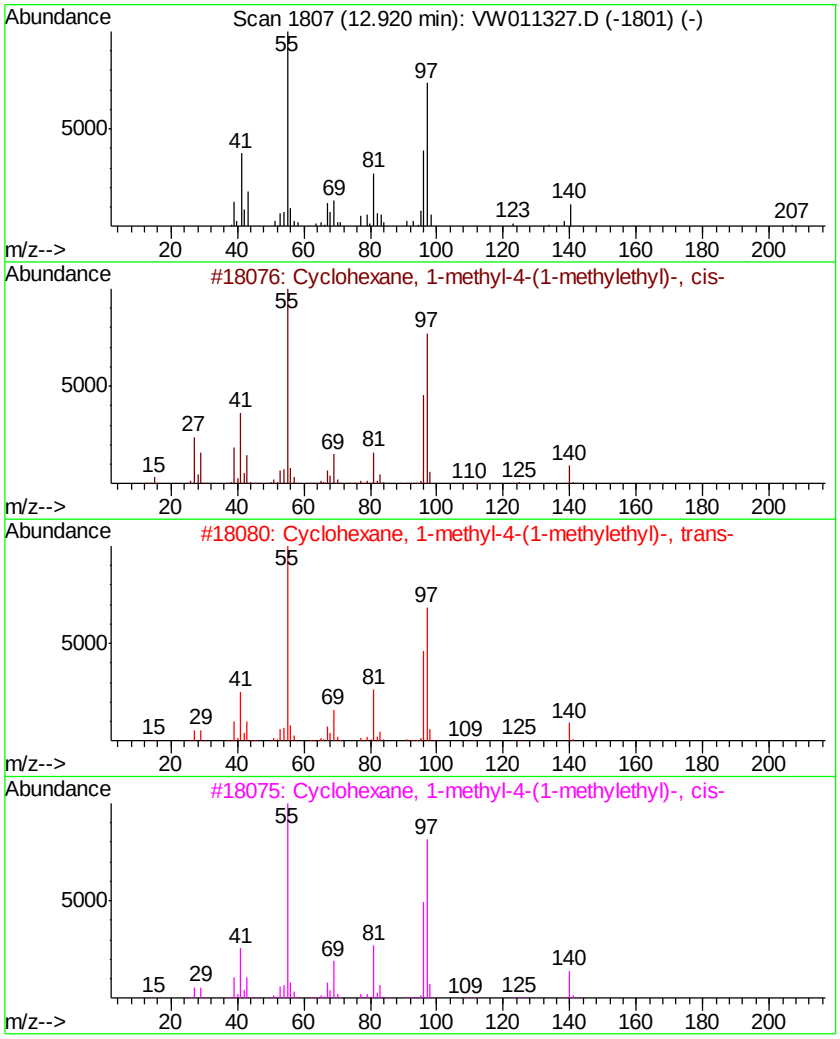
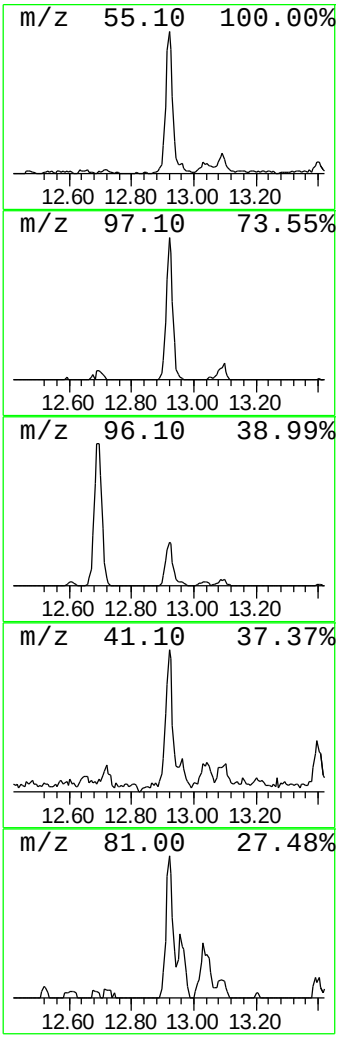
Peak Number 7 (DEL) Alkane: Cyclic12.92 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	3.55 ug/L	46899	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	91
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	91
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	91
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	90
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	87





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\
Data File : VW011327.D
Acq On : 18 Jul 2019 01:00
Operator : SY/VA
Sample : K3863-09
Misc : 4.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

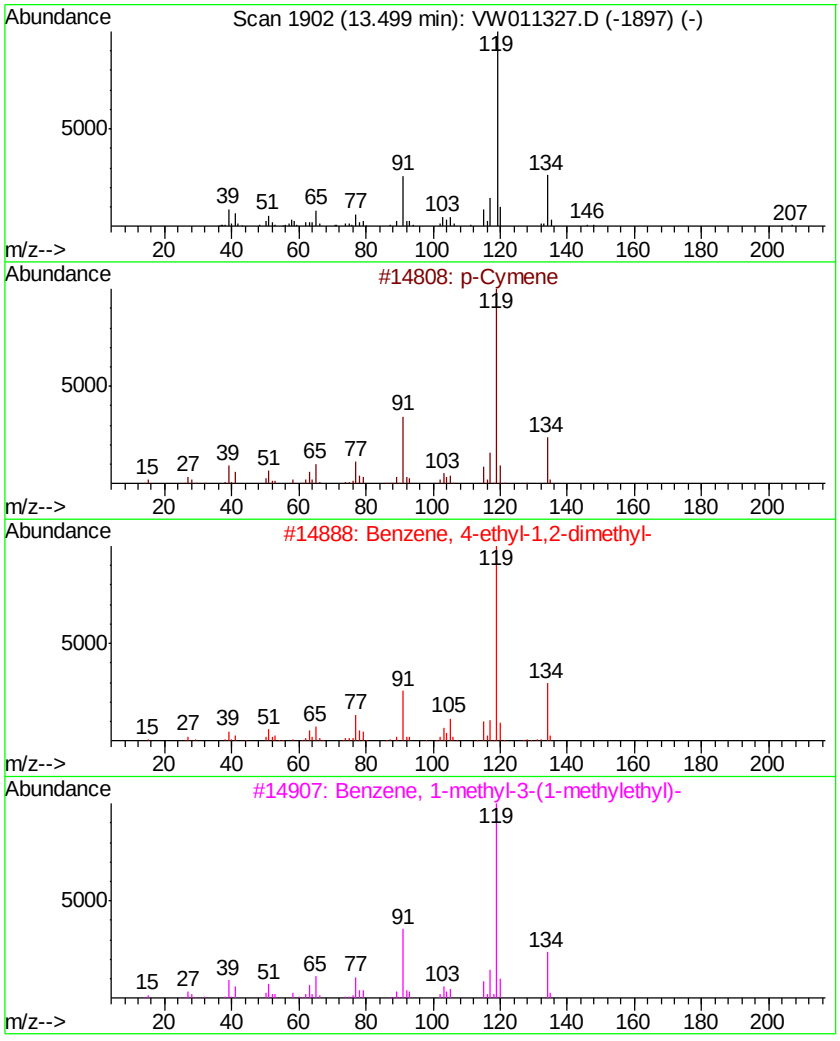
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

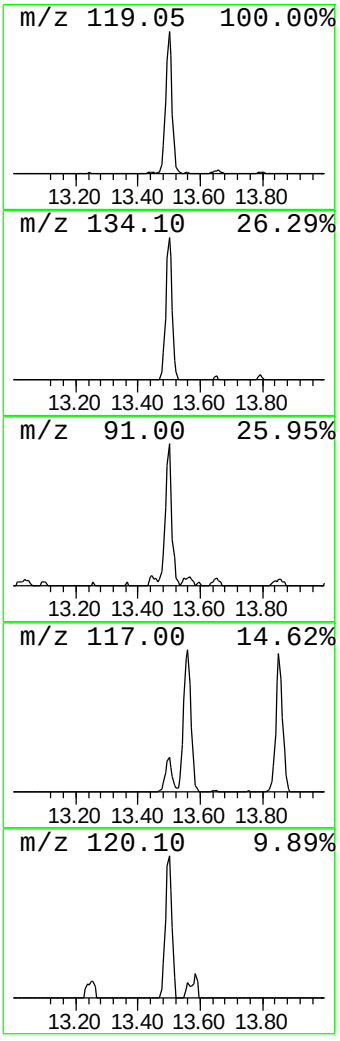
****

Peak Number 8 p-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	3.39 ug/L	44815	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	o-Cymene	134	C10H14	000527-84-4	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071719\
Data File : VW011327.D
Acq On : 18 Jul 2019 01:00
Operator : SY/VA
Sample : K3863-09
Misc : 4.03G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.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	1.99	4.5	ug/L	104943	1	8.84	586247	25.0
Sulfur dioxide	2.15	7.5	ug/L	175812	1	8.84	586247	25.0
Pentanal	9.41	1.4	ug/L	33125	1	8.84	586247	25.0
Hexanal	11.07	12.1	ug/L	272738	2	11.63	562323	25.0
(DEL) Alkane: Cyc...	12.92	3.5	ug/L	46899	3	13.56	330146	25.0
p-Cymene	13.50	3.4	ug/L	44815	3	13.56	330146	25.0