LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062018\
Data File : VW003368.D
Acq On : 20 Jun 2018 22:20
Operator : SY/AP
Sample : J3569-13
Misc : 7.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR4

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\SOM2WLM062018S.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	1.746	19	26	28	rBV	8642	15685	0.44%	0.211%
2	1.807	28	36	54	rVB	1640459	3578261	100.00%	48.036%
3	2.148	88	92	96	rBV3	2888	5344	0.15%	0.072%
4	2.343	120	124	132	rVB	41211	69329	1.94%	0.931%
5	2.886	208	213	225	rVB	29591	66274	1.85%	0.890%
6	3.831	366	368	369	rBV2	1011	782	0.02%	0.010%
7	4.001	386	396	406	rBV2	67682	181682	5.08%	2.439%
8	4.123	409	416	423	rVB	5132	13638	0.38%	0.183%
9	4.294	443	444	448	rBV2	463	521	0.01%	0.007%
10	4.526	479	482	483	rBV2	319	345	0.01%	0.005%
11	4.648	501	502	503	rBV	352	194	0.01%	0.003%
12	4.904	534	544	555	rVB3	11350	38374	1.07%	0.515%
13	4.989	555	558	560	rBV2	379	368	0.01%	0.005%
14	5.056	568	569	574	rVB3	464	384	0.01%	0.005%
15	5.099	574	576	578	rBV3	466	474	0.01%	0.006%
16	5.160	584	586	588	rVV3	501	277	0.01%	0.004%
17	5.288	603	607	608	rBV2	337	364	0.01%	0.005%
18	5.349	616	617	618	rBV	326	172	0.00%	0.002%
19	5.422	626	629	630	rBV2	434	500	0.01%	0.007%
20	5.574	652	654	658	rVB4	323	381	0.01%	0.005%
21	5.666	667	669	671	rBV	526	609	0.02%	0.008%
22	5.733	677	680	682	rBV2	224	230	0.01%	0.003%
23	5.848	698	699	700	rBV	349	161	0.00%	0.002%
24	5.922	706	711	713	rBV2	2236	3664	0.10%	0.049%
25	6.068	733	735	736	rBV	236	181	0.01%	0.002%
26	6.251	762	765	767	rVV	207	222	0.01%	0.003%
27	6.275	767	769	774	rVB3	205	236	0.01%	0.003%
28	6.318	774	776	777	rBV	399	224	0.01%	0.003%
29	6.373	783	785	787	rBV	348	369	0.01%	0.005%
30	6.409	789	791	794	rBV	466	479	0.01%	0.006%
31	6.440	794	796	797	rVV	275	182	0.01%	0.002%
32	6.458	797	799	801	rVV	274	223	0.01%	0.003%
33	6.476	801	802	807	rVB2	421	377	0.01%	0.005%
34	6.592	819	821	824	rBV2	204	179	0.01%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062018\
Data File : VW003368.D
Acq On : 20 Jun 2018 22:20
Operator : SY/AP
Sample : J3569-13
Misc : 7.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR4

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\SOM2WLM062018S.M
Title : VOC Analysis

35	6.726	840	843	844	rVB	255	206	0.01%	0.003%
36	7.025	888	892	893	rBV3	366	378	0.01%	0.005%
37	7.080	893	901	909	rBV2	12441	36936	1.03%	0.496%
38	7.367	946	948	950	rBV	254	210	0.01%	0.003%
39	7.391	950	952	954	rVB	515	357	0.01%	0.005%
40	7.421	954	957	960	rBV2	208	339	0.01%	0.005%
41	7.446	960	961	963	rVB	348	159	0.00%	0.002%
42	7.495	967	969	971	rBV3	396	407	0.01%	0.005%
43	7.531	971	975	981	rVB4	669	1353	0.04%	0.018%
44	7.574	981	982	984	rBV2	285	235	0.01%	0.003%
45	7.647	984	994	1007	rVB	81834	204432	5.71%	2.744%
46	7.732	1007	1008	1009	rBV	253	176	0.00%	0.002%
47	7.781	1014	1016	1018	rBV	306	191	0.01%	0.003%
48	7.860	1027	1029	1034	rBV2	462	596	0.02%	0.008%
49	7.940	1039	1042	1043	rBV2	566	515	0.01%	0.007%
50	8.007	1051	1053	1054	rBV	210	168	0.00%	0.002%
51	8.116	1069	1071	1073	rVB2	397	347	0.01%	0.005%
52	8.275	1088	1097	1115	rVB2	158003	474030	13.25%	6.364%
53	8.427	1121	1122	1125	rVB2	362	281	0.01%	0.004%
54	8.622	1152	1154	1155	rBV	409	214	0.01%	0.003%
55	8.671	1159	1162	1163	rBV	409	492	0.01%	0.007%
56	8.848	1182	1191	1201	rBV	159006	320499	8.96%	4.302%
57	8.964	1208	1210	1213	rVB3	568	493	0.01%	0.007%
58	8.994	1213	1215	1217	rBV	312	274	0.01%	0.004%
59	9.037	1219	1222	1225	rBV4	876	1437	0.04%	0.019%
60	9.208	1248	1250	1252	rBV	291	229	0.01%	0.003%
61	9.281	1252	1262	1270	rBV	110983	229370	6.41%	3.079%
62	9.470	1291	1293	1296	rBV2	336	319	0.01%	0.004%
63	9.537	1300	1304	1307	rBV3	446	753	0.02%	0.010%
64	9.580	1307	1311	1316	rVB4	510	925	0.03%	0.012%
65	9.616	1316	1317	1319	rBV	300	249	0.01%	0.003%
66	9.738	1335	1337	1338	rBV	371	239	0.01%	0.003%
67	9.823	1349	1351	1352	rBV	323	187	0.01%	0.003%
68	9.842	1352	1354	1356	rBV2	238	201	0.01%	0.003%
69	9.866	1356	1358	1359	rBV	392	185	0.01%	0.002%
70	9.939	1368	1370	1373	rVB	305	337	0.01%	0.005%
71	9.964	1373	1374	1378	rBV2	364	466	0.01%	0.006%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062018\
Data File : VW003368.D
Acq On : 20 Jun 2018 22:20
Operator : SY/AP
Sample : J3569-13
Misc : 7.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR4

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\SOM2WLM062018S.M
Title : VOC Analysis

72	10.037	1378	1386	1395	rBV2	55152	100474	2.81%	1.349%
73	10.177	1408	1409	1412	rBV	322	221	0.01%	0.003%
74	10.329	1426	1434	1441	rBV	208916	371356	10.38%	4.985%
75	10.579	1469	1475	1483	rVB	37653	65363	1.83%	0.877%
76	10.713	1493	1497	1504	rVB4	1205	2381	0.07%	0.032%
77	10.787	1507	1509	1510	rVB2	649	335	0.01%	0.004%
78	10.823	1513	1515	1517	rVB2	754	530	0.01%	0.007%
79	10.848	1517	1519	1522	rVB2	572	732	0.02%	0.010%
80	10.933	1526	1533	1543	rBV	49238	89469	2.50%	1.201%
81	11.274	1584	1589	1595	rVB7	1356	3437	0.10%	0.046%
82	11.524	1625	1630	1636	rBV6	1094	2416	0.07%	0.032%
83	11.634	1641	1648	1657	rBV	234544	399136	11.15%	5.358%
84	11.786	1671	1673	1677	rBV3	414	368	0.01%	0.005%
85	12.164	1733	1735	1736	rBV2	794	561	0.02%	0.008%
86	12.555	1798	1799	1802	rBV2	1614	1863	0.05%	0.025%
87	12.701	1816	1823	1830	rVB	79854	137138	3.83%	1.841%
88	12.878	1847	1852	1853	rBV3	1276	1834	0.05%	0.025%
89	13.567	1958	1965	1974	rBV	204932	333009	9.31%	4.470%
90	13.859	2008	2013	2022	rVB	174141	298069	8.33%	4.001%
91	13.963	2025	2030	2033	rVV3	4560	7798	0.22%	0.105%
92	14.109	2049	2054	2061	rVB	29647	48723	1.36%	0.654%
93	14.213	2066	2071	2076	rVB2	15126	24385	0.68%	0.327%
94	14.426	2103	2106	2110	rBV2	20182	25770	0.72%	0.346%
95	14.469	2110	2113	2116	rVB	17281	21002	0.59%	0.282%
96	14.512	2116	2120	2122	rBV	31066	44533	1.24%	0.598%
97	14.798	2162	2167	2174	rBV4	30654	68747	1.92%	0.923%
98	14.871	2175	2179	2183	rVB2	29054	44137	1.23%	0.593%
99	15.079	2209	2213	2225	rVB	28769	62810	1.76%	0.843%
100	15.182	2227	2230	2239	rVB4	15171	33711	0.94%	0.453%

Sum of corrected areas: 7449178

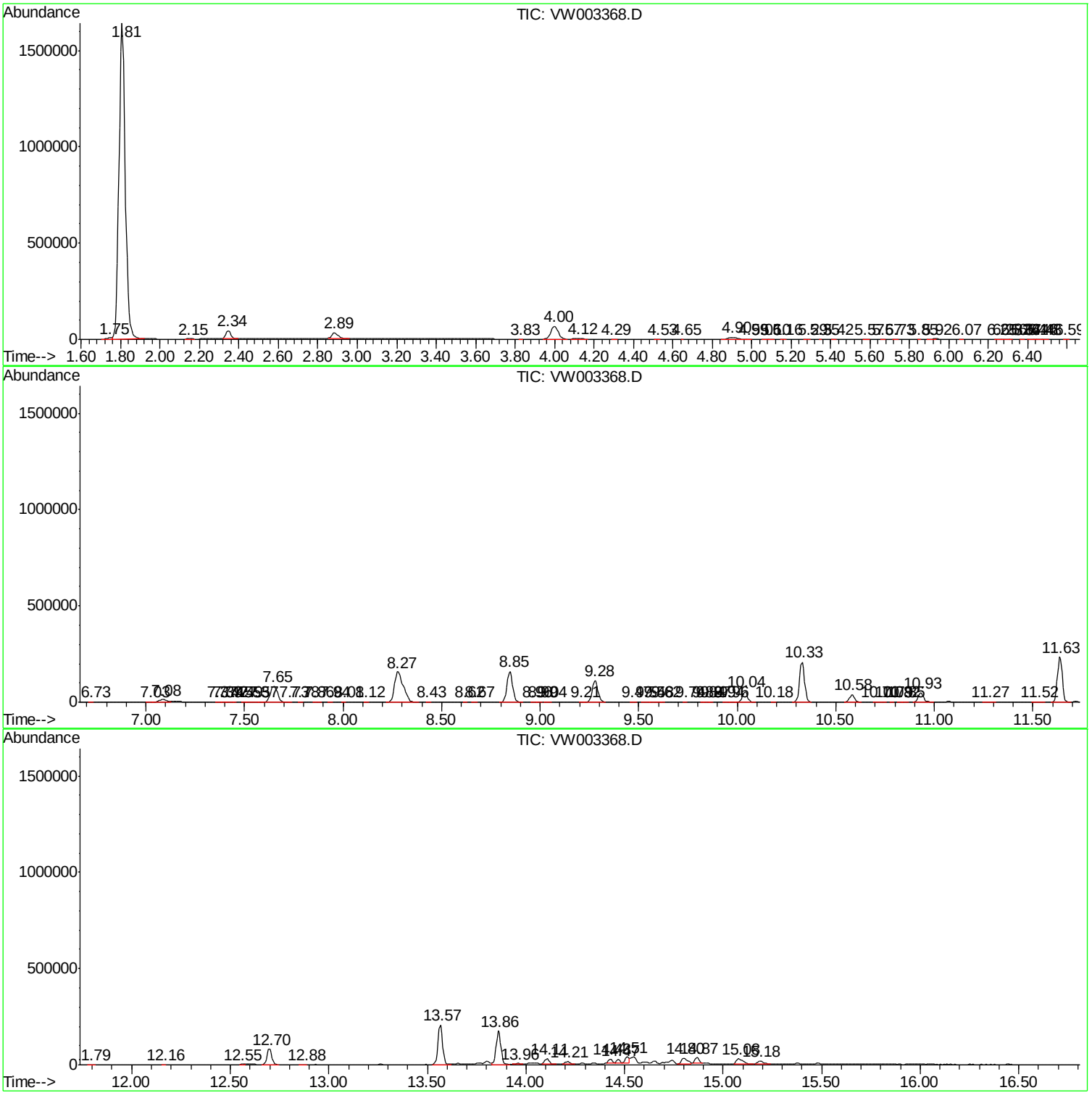
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062018\
Data File : VW003368.D
Acq On : 20 Jun 2018 22:20
Operator : SY/AP
Sample : J3569-13
Misc : 7.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.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\VW062018\
Data File : VW003368.D
Acq On : 20 Jun 2018 22:20
Operator : SY/AP
Sample : J3569-13
Misc : 7.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

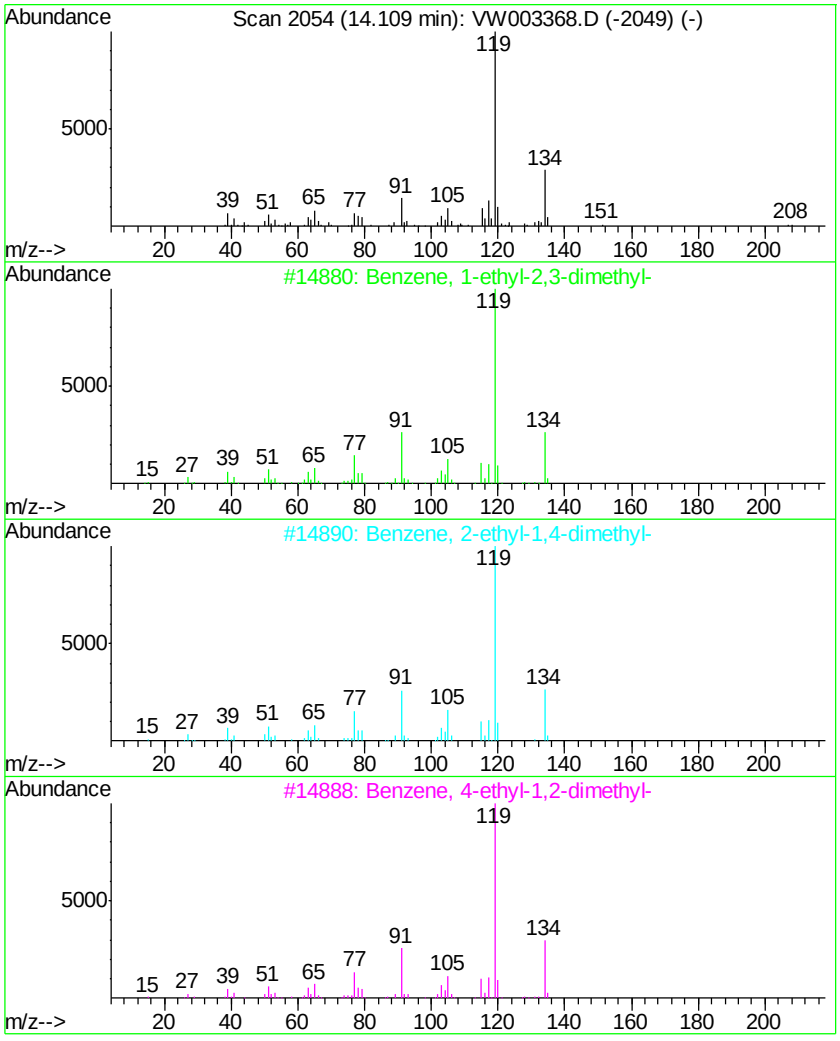
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

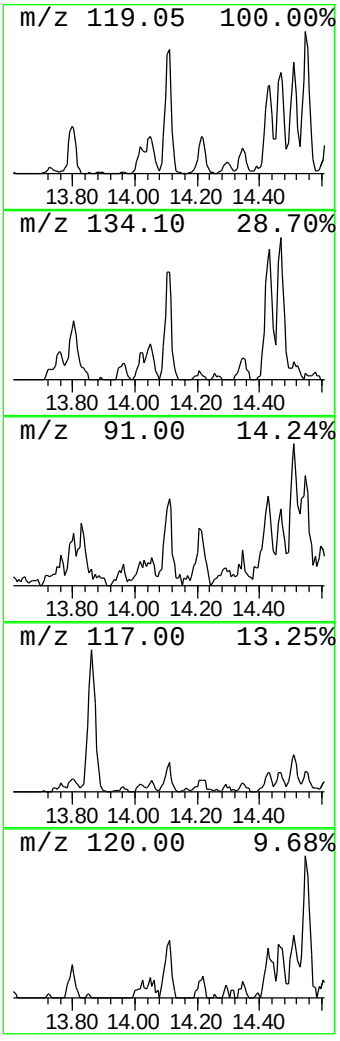
****

Peak Number 3 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	3.66 ug/L	48723	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	o-Cymene	134	C10H14	000527-84-4	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
Data File : VW003368.D
Acq On : 20 Jun 2018 22:20
Operator : SY/AP
Sample : J3569-13
Misc : 7.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

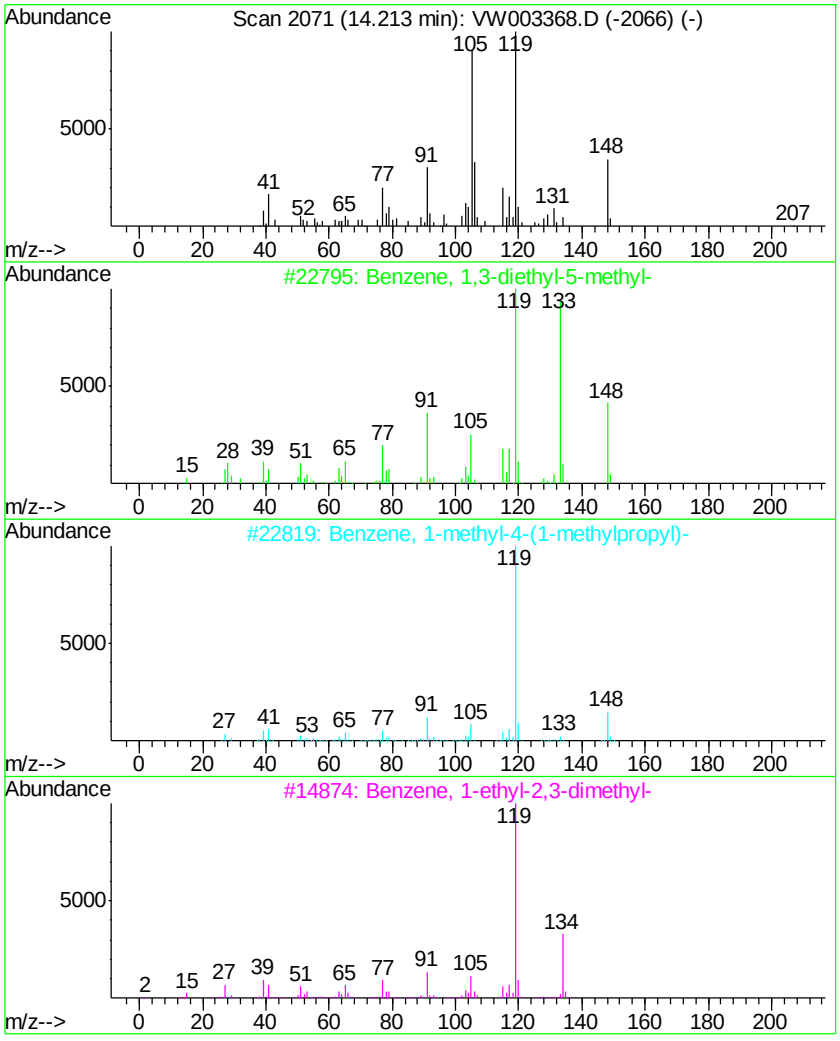
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

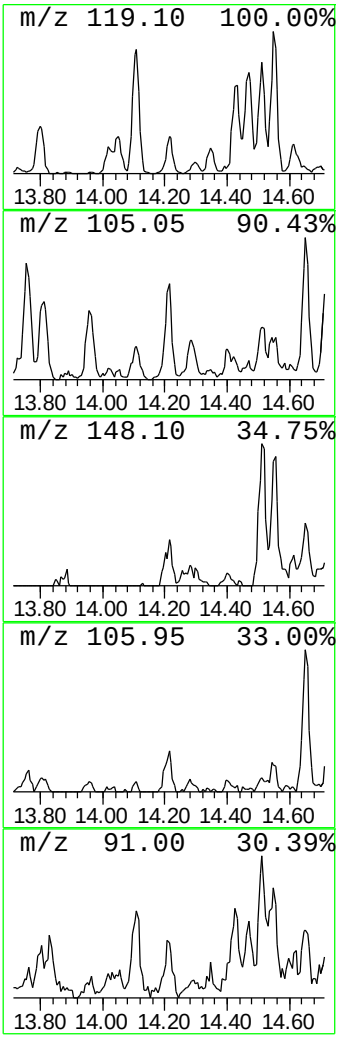
****

Peak Number 4 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	1.83 ug/L	24385	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	87
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	58
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	52
4	1-Methyl-1-silabenzocyclobutene	134	C8H10Si	160841-06-5	52
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
Data File : VW003368.D
Acq On : 20 Jun 2018 22:20
Operator : SY/AP
Sample : J3569-13
Misc : 7.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

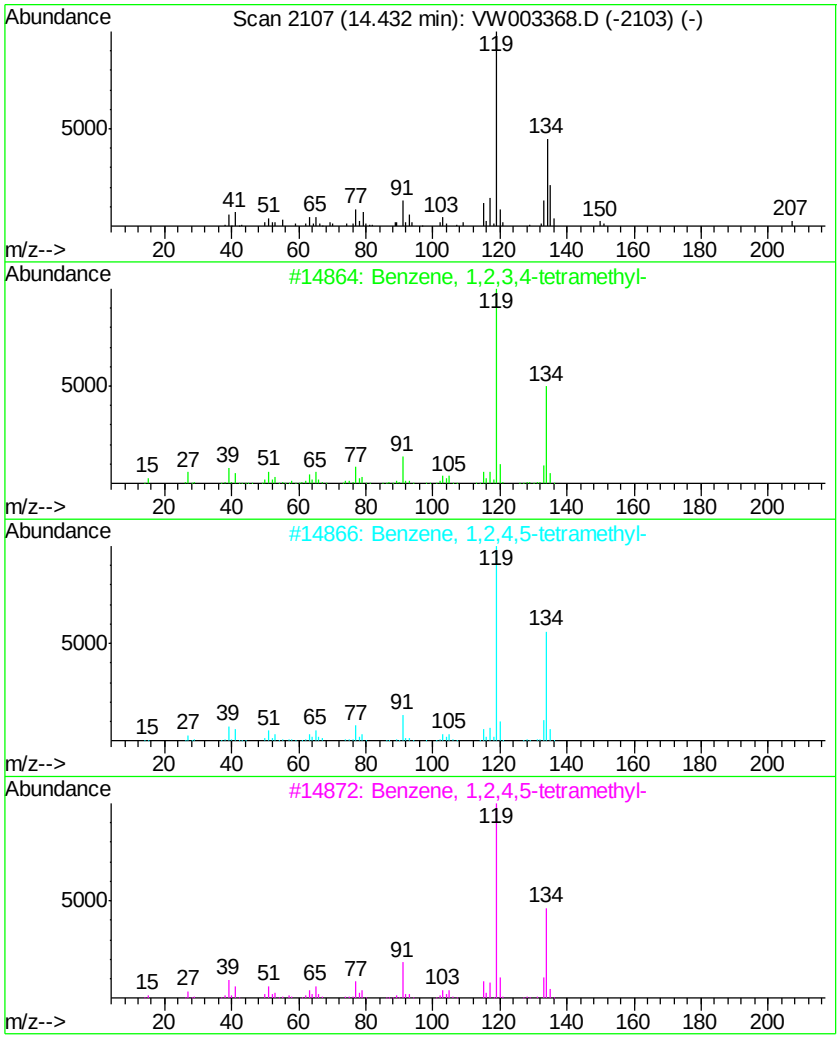
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

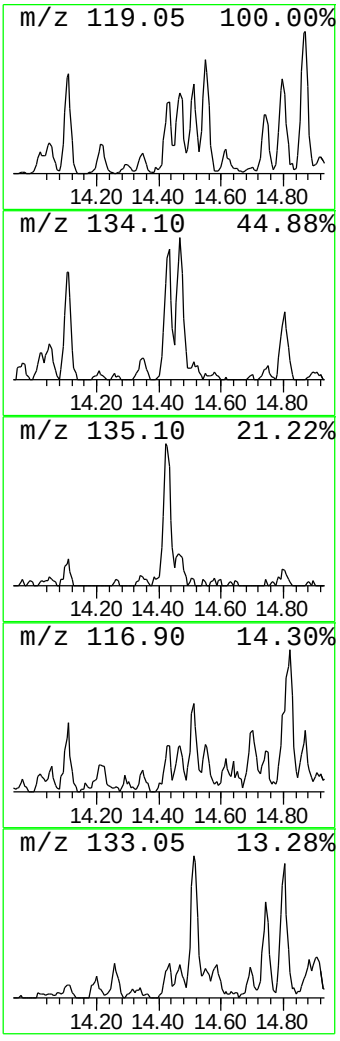
****

Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	1.93 ug/L	25770	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	81
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
Data File : VW003368.D
Acq On : 20 Jun 2018 22:20
Operator : SY/AP
Sample : J3569-13
Misc : 7.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

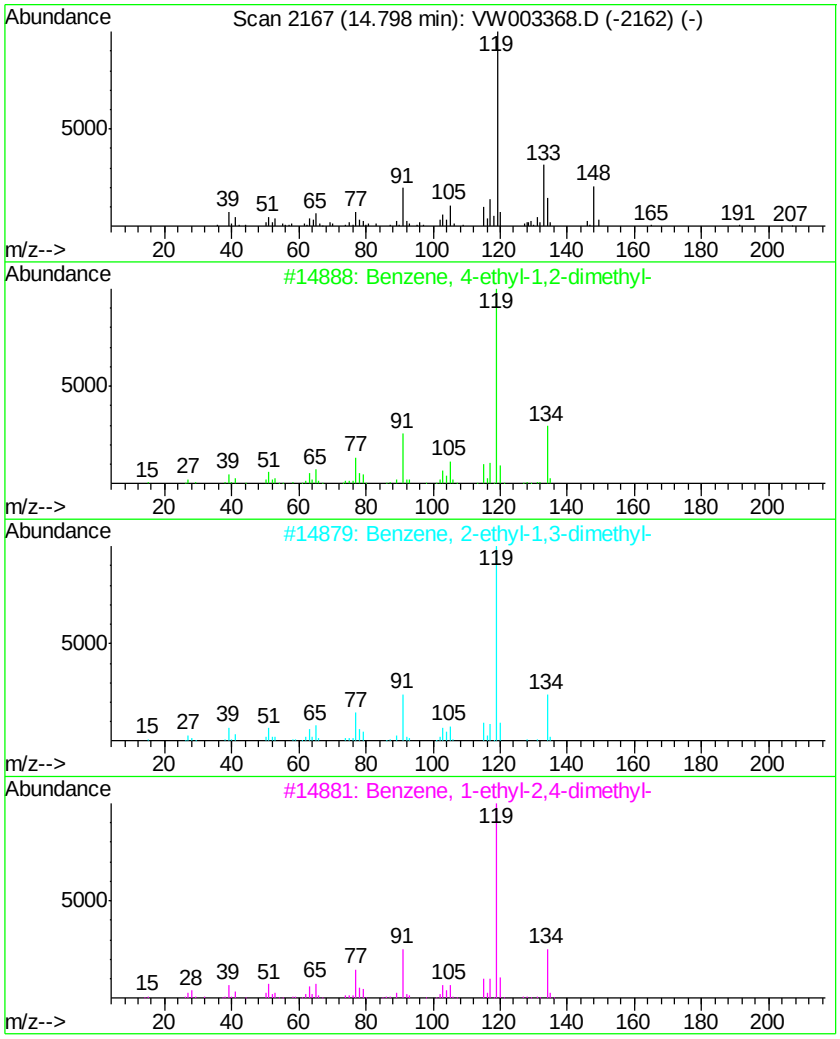
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

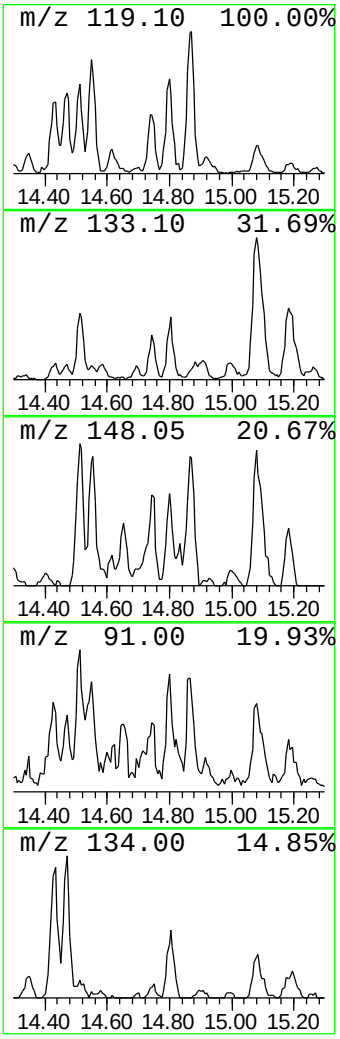
****

Peak Number 8 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	5.16 ug/L	68747	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4	o-Cymene	134	C10H14	000527-84-4	64
5	o-Cymene	134	C10H14	000527-84-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
Data File : VW003368.D
Acq On : 20 Jun 2018 22:20
Operator : SY/AP
Sample : J3569-13
Misc : 7.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

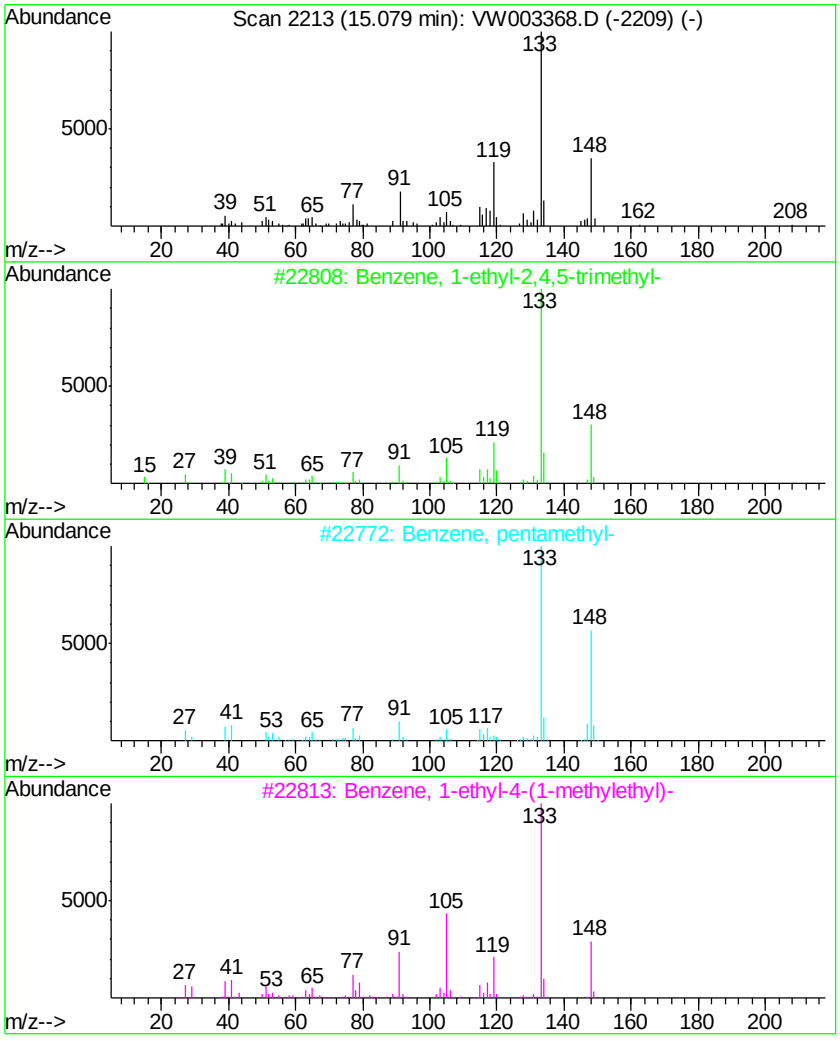
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

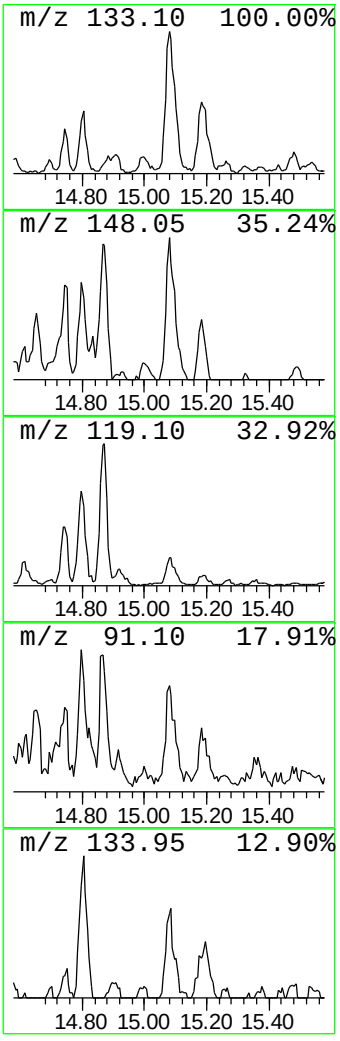
****

Peak Number 10 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	4.72 ug/L	62810	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	91
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	87
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	86
4	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	83
5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
Data File : VW003368.D
Acq On : 20 Jun 2018 22:20
Operator : SY/AP
Sample : J3569-13
Misc : 7.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

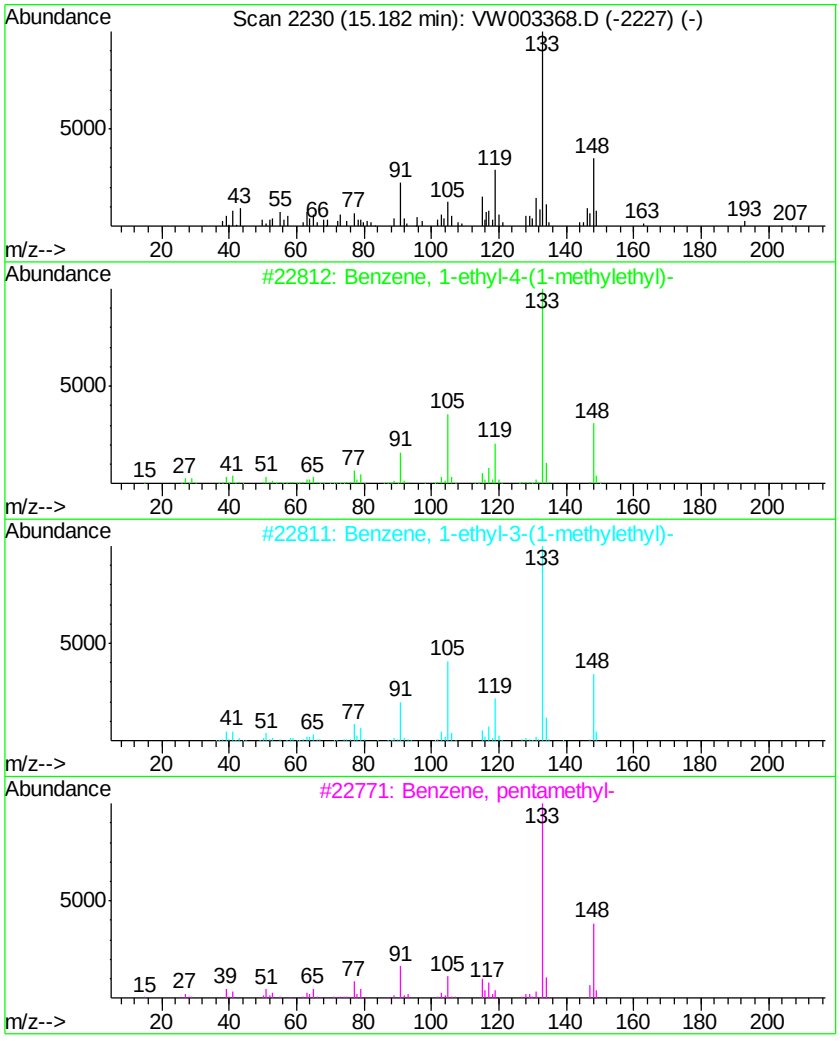
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

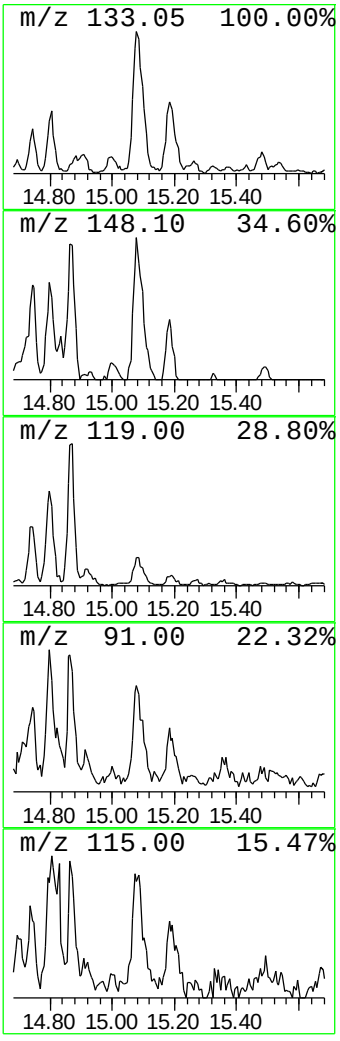
****

Peak Number 11 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	2.53 ug/L	33711	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	81
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	81
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
4	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	64
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
Data File : VW003368.D
Acq On : 20 Jun 2018 22:20
Operator : SY/AP
Sample : J3569-13
Misc : 7.57G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DAXR4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.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
Benzene, 1-ethyl-...	14.11	3.7	ug/L	48723	3	13.57	333009	25.0
Benzene, 1,3-diet...	14.21	1.8	ug/L	24385	3	13.57	333009	25.0
Benzene, 1,2,3,4-...	14.43	1.9	ug/L	25770	3	13.57	333009	25.0
Benzene, 4-ethyl-...	14.80	5.2	ug/L	68747	3	13.57	333009	25.0
Benzene, 1-ethyl-...	15.08	4.7	ug/L	62810	3	13.57	333009	25.0
Benzene, 1-ethyl-...	15.18	2.5	ug/L	33711	3	13.57	333009	25.0