LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 063_SW-E-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82W121118S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.909	483	493	510	rBB5	3364	13180	4.92%	0.622%
2	5.934	654	661	667	rBV5	1263	3171	1.18%	0.150%
3	7.147	850	860	872	rBB	3658	10072	3.76%	0.475%
4	7.885	970	981	985	rBV	43436	100580	37.52%	4.747%
5	7.945	985	991	1001	rVB	100063	217750	81.23%	10.277%
6	8.311	1036	1051	1063	rBB2	39491	93720	34.96%	4.423%
7	8.842	1128	1138	1148	rVB	138599	268063	100.00%	12.651%
8	9.756	1283	1288	1294	rVB4	2765	5475	2.04%	0.258%
9	9.896	1304	1311	1316	rBV3	4552	8784	3.28%	0.415%
10	10.250	1364	1369	1374	rVB3	4324	7593	2.83%	0.358%
11	10.323	1374	1381	1388	rBV	150176	260044	97.01%	12.273%
12	10.390	1388	1392	1398	rVB	6827	11552	4.31%	0.545%
13	10.616	1423	1429	1433	rBV3	1695	2972	1.11%	0.140%
14	10.738	1446	1449	1457	rVB5	3449	7091	2.65%	0.335%
15	11.286	1535	1539	1543	rBV6	2576	5022	1.87%	0.237%
16	11.439	1559	1564	1573	rVB4	4550	9756	3.64%	0.460%
17	11.634	1589	1596	1603	rBV	151518	256964	95.86%	12.127%
18	11.731	1609	1612	1616	rBV3	2782	4469	1.67%	0.211%
19	11.841	1622	1630	1635	rBV2	6813	17629	6.58%	0.832%
20	11.878	1635	1636	1646	rVB5	3115	6801	2.54%	0.321%
21	12.030	1657	1661	1666	rBV7	2350	4640	1.73%	0.219%
22	12.079	1666	1669	1673	rBV3	1910	2925	1.09%	0.138%
23	12.134	1673	1678	1682	rBV6	3638	7506	2.80%	0.354%
24	12.335	1700	1711	1722	rBV10	5963	23544	8.78%	1.111%
25	12.439	1722	1728	1732	rBV6	3876	9738	3.63%	0.460%
26	12.524	1740	1742	1746	rVB4	3083	3545	1.32%	0.167%
27	12.621	1746	1758	1766	rBV	84475	147258	54.93%	6.950%
28	12.707	1767	1772	1777	rVB5	4141	7312	2.73%	0.345%
29	12.762	1777	1781	1784	rBV5	2093	4132	1.54%	0.195%
30	12.871	1792	1799	1801	rBV6	3665	7976	2.98%	0.376%
31	12.951	1807	1812	1819	rVB8	4260	10836	4.04%	0.511%
32	13.073	1825	1832	1833	rBV4	4001	6765	2.52%	0.319%
33	13.134	1838	1842	1845	rBV4	3521	5113	1.91%	0.241%
34	13.201	1845	1853	1859	rVB9	7215	19741	7.36%	0.932%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 063_SW-E-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82W121118S.M
Title : SW846 8260

35	13.262	1859	1863	1866	rBV5	4045	6904	2.58%	0.326%
36	13.304	1866	1870	1875	rVB7	3938	7013	2.62%	0.331%
37	13.371	1877	1881	1884	rBV2	4923	8555	3.19%	0.404%
38	13.414	1884	1888	1893	rVB4	8675	13911	5.19%	0.657%
39	13.481	1896	1899	1903	rVB5	3243	3909	1.46%	0.184%
40	13.560	1906	1912	1918	rBV	106678	166133	61.98%	7.841%
41	13.755	1939	1944	1945	rBV4	3849	5880	2.19%	0.278%
42	13.829	1954	1956	1961	rVB6	2328	3125	1.17%	0.147%
43	13.890	1961	1966	1970	rBV5	9288	15817	5.90%	0.746%
44	13.993	1979	1983	1990	rVB10	3316	7539	2.81%	0.356%
45	14.097	1990	2000	2008	rBV10	8597	29935	11.17%	1.413%
46	14.213	2014	2019	2024	rBV7	4502	8801	3.28%	0.415%
47	14.274	2024	2029	2035	rVB6	10507	21478	8.01%	1.014%
48	14.347	2037	2041	2045	rBV2	10143	15149	5.65%	0.715%
49	14.389	2045	2048	2051	rVV4	11060	16980	6.33%	0.801%
50	14.426	2051	2054	2059	rVB3	13283	19472	7.26%	0.919%
51	14.524	2063	2070	2072	rBV6	4465	10693	3.99%	0.505%
52	14.603	2080	2083	2087	rBV5	3252	5981	2.23%	0.282%
53	14.645	2087	2090	2095	rVB	8403	12837	4.79%	0.606%
54	14.700	2095	2099	2103	rVB5	4362	6555	2.45%	0.309%
55	14.749	2103	2107	2111	rBV4	4597	6805	2.54%	0.321%
56	14.816	2112	2118	2122	rVB6	5833	11927	4.45%	0.563%
57	14.981	2140	2145	2147	rBV6	3032	5686	2.12%	0.268%
58	15.011	2147	2150	2154	rVV5	4487	6448	2.41%	0.304%
59	15.072	2156	2160	2164	rVB7	3806	5541	2.07%	0.262%
60	15.133	2164	2170	2174	rBV5	8367	18083	6.75%	0.853%
61	15.237	2183	2187	2194	rBV10	2205	4621	1.72%	0.218%
62	15.328	2197	2202	2207	rBV4	5696	8797	3.28%	0.415%
63	15.426	2212	2218	2225	rVV9	8059	22744	8.48%	1.073%
64	15.511	2227	2232	2240	rVB8	5387	13788	5.14%	0.651%
65	15.670	2249	2258	2261	rBV8	3380	10503	3.92%	0.496%
66	15.804	2274	2280	2287	rBV8	3207	7158	2.67%	0.338%
67	15.956	2300	2305	2312	rBV	13879	27196	10.15%	1.284%
68	16.042	2315	2319	2330	rVB7	4457	11205	4.18%	0.529%

Sum of corrected areas: 2118888

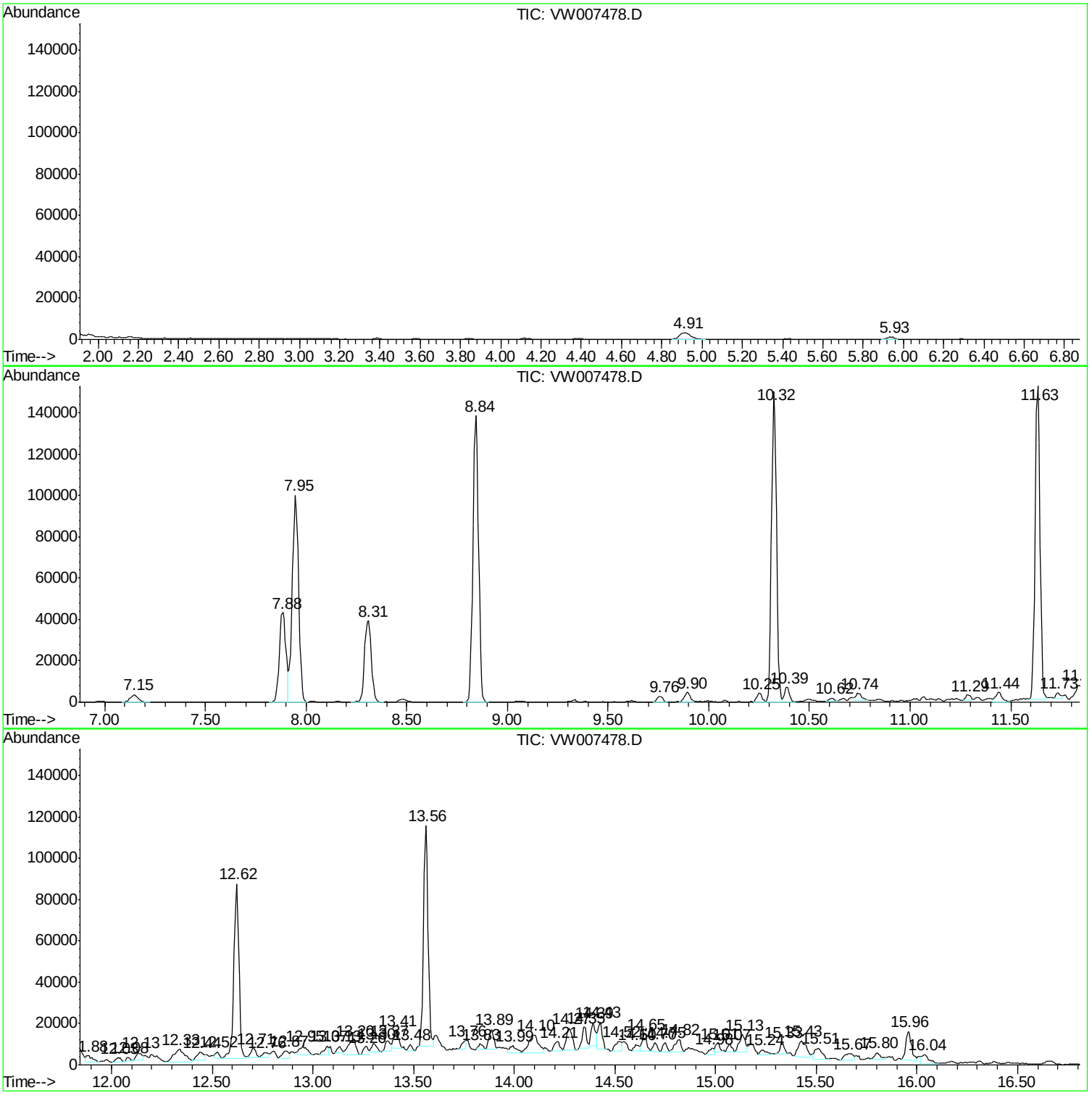
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 063_SW-E-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 063_SW-E-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

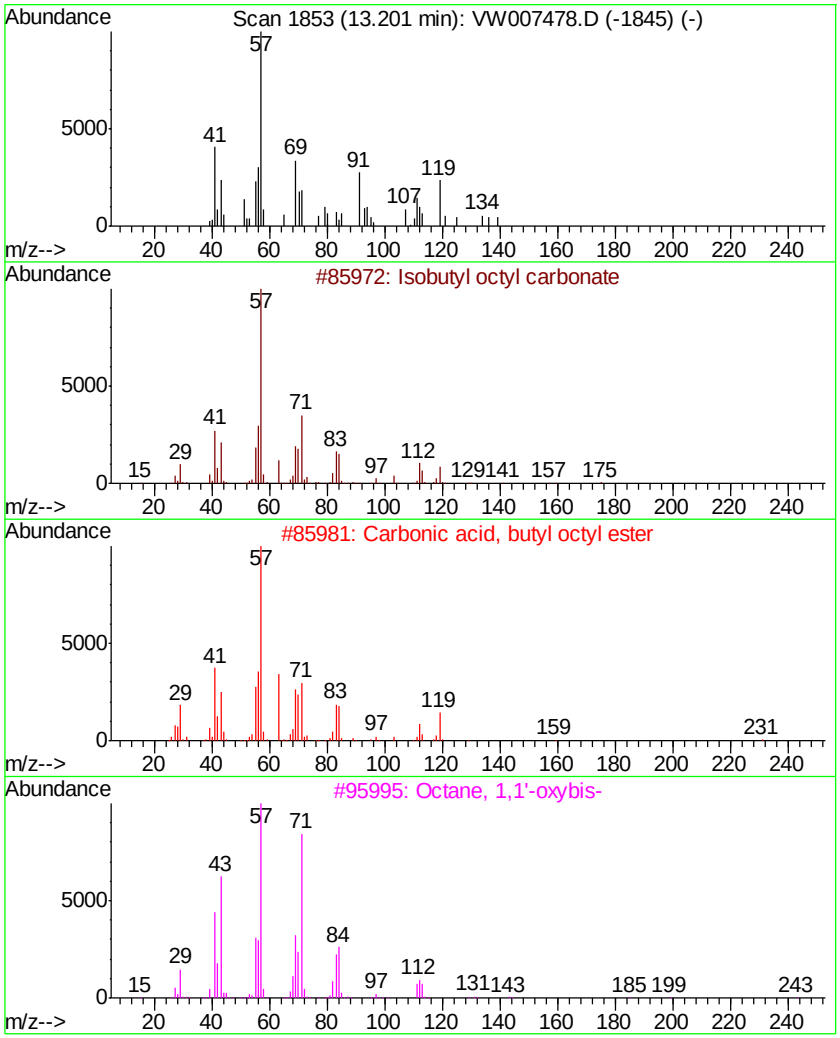
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

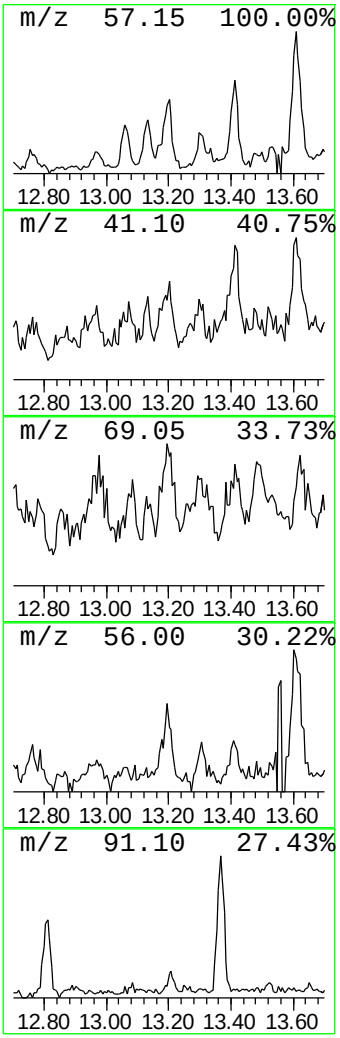
****

Peak Number 1 unknown13.20 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	5.94 ug/l	19741	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl octyl carbonate	230	C13H26O3	1000372-74-6	37
2	Carbonic acid, butyl octyl ester	230	C13H26O3	1000314-63-5	33
3	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	32
4	1-Hexanol, 3,5,5-trimethyl-	144	C9H20O	003452-97-9	27
5	Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000357-82-9	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA_W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 063_SW-E-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

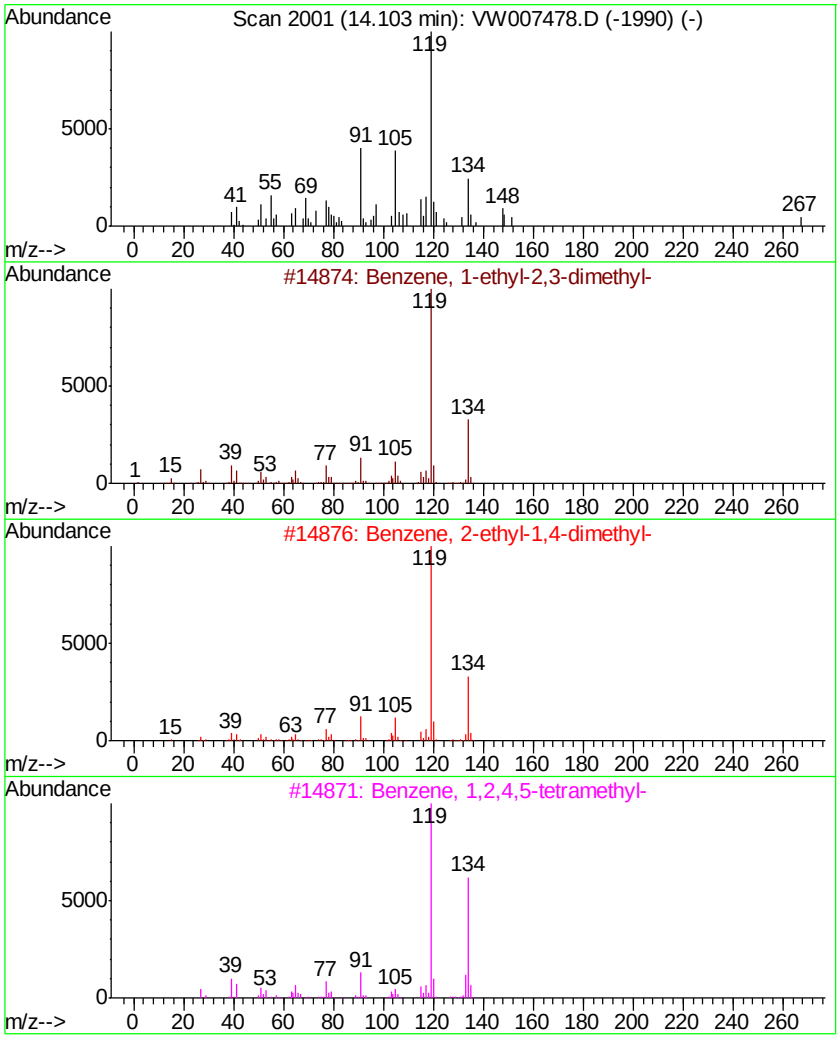
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

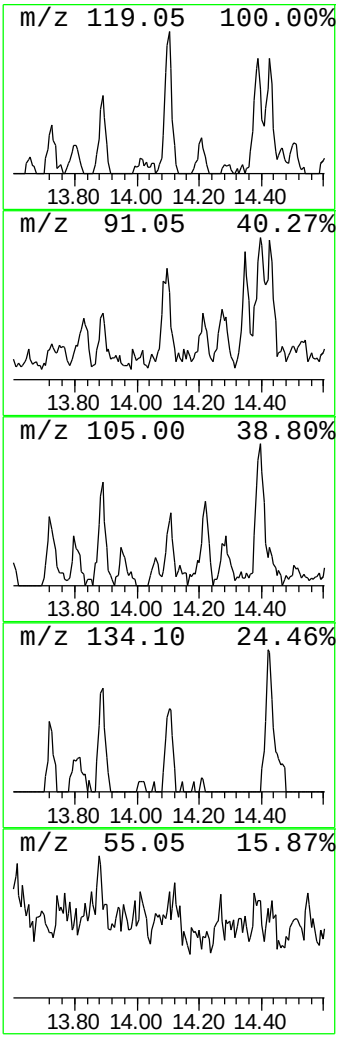
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	9.01 ug/l	29935	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	81
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	74
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA_W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 063_SW-E-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

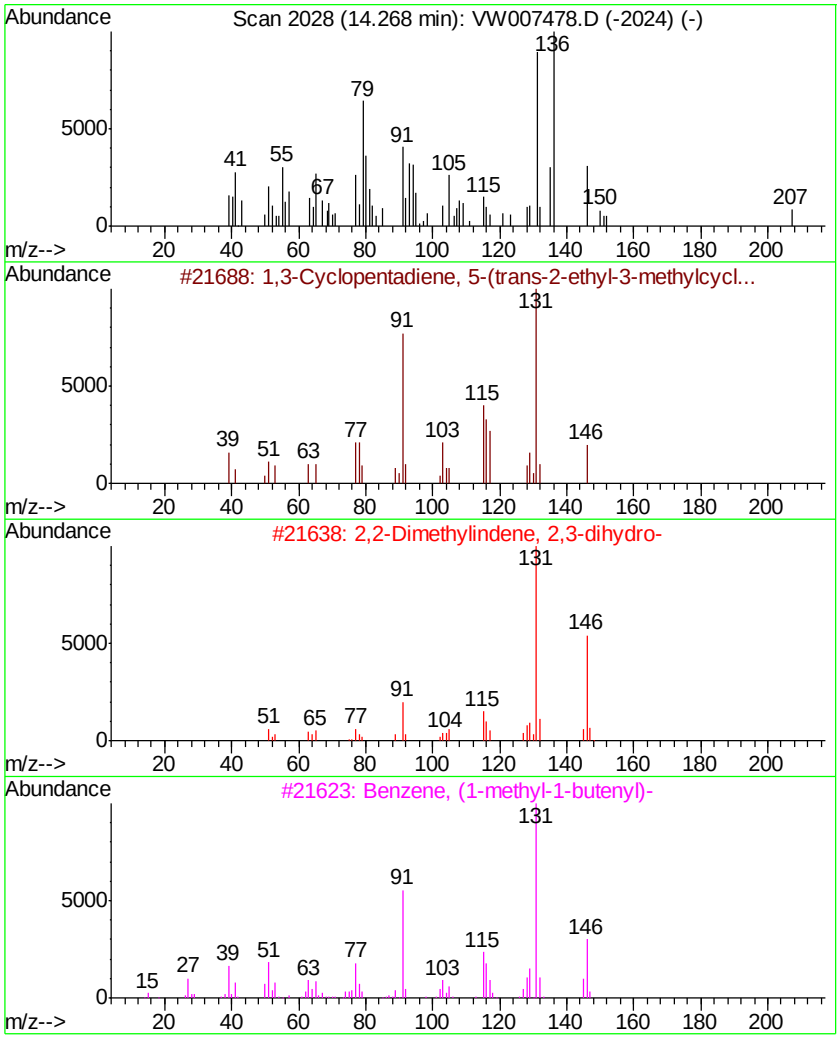
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

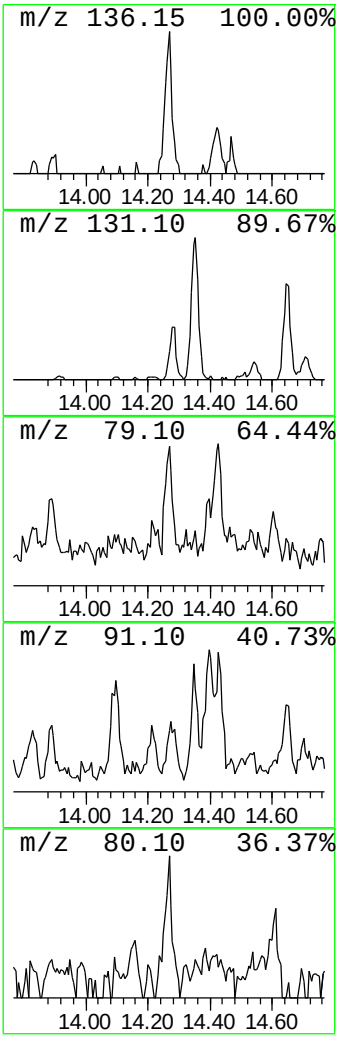
****

Peak Number 3 1,3-Cyclopentadiene, 5-(tra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	6.46 ug/l	21478	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	70
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA_W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 063_SW-E-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

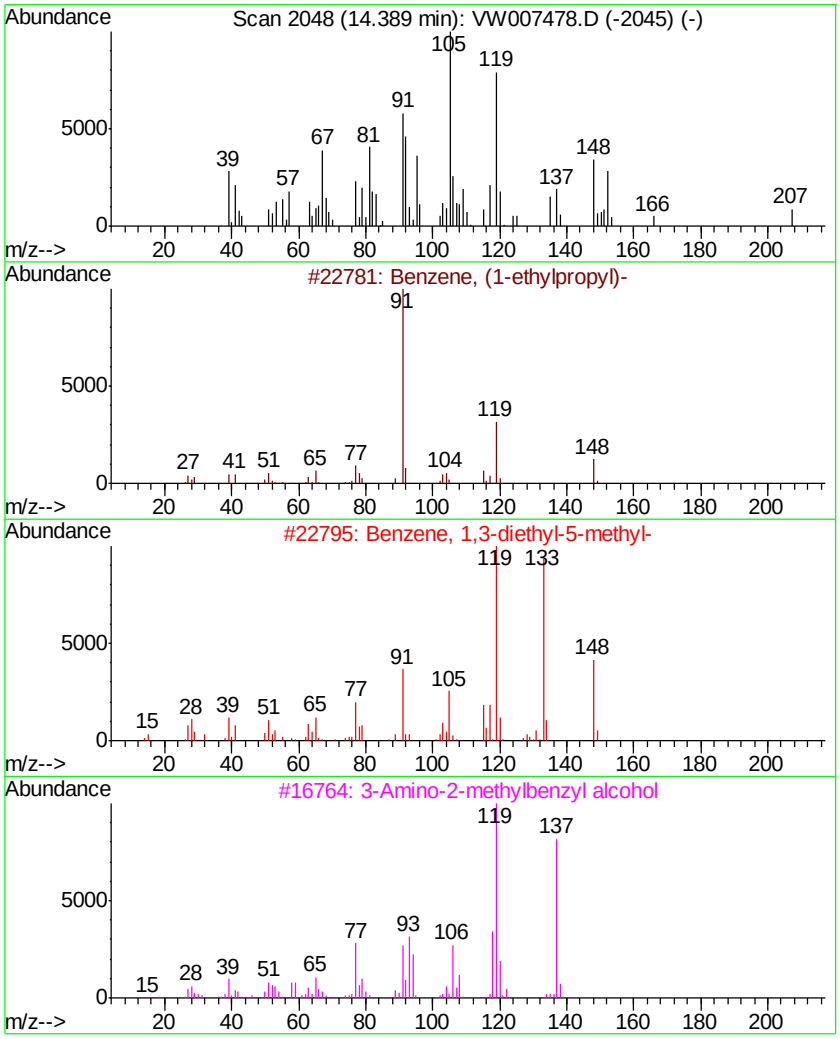
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

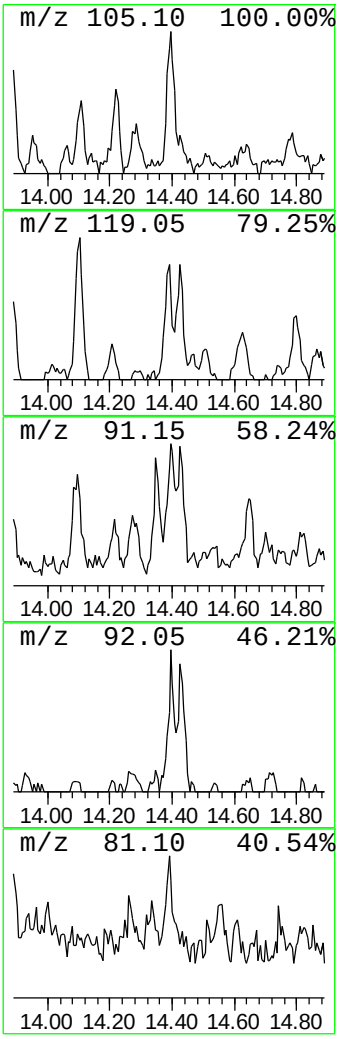
****

Peak Number 4 unknown14.39 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	5.11 ug/l	16980	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	35
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	27
3	3-Amino-2-methylbenzyl alcohol	137	C8H11NO	083647-42-1	27
4	Benzeneacetaldehyde, .alpha.,.al...	148	C10H12O	003805-10-5	22
5	Imidazo[1,2-a]pyrimidine	119	C6H5N3	000274-95-3	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 063_SW-E-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

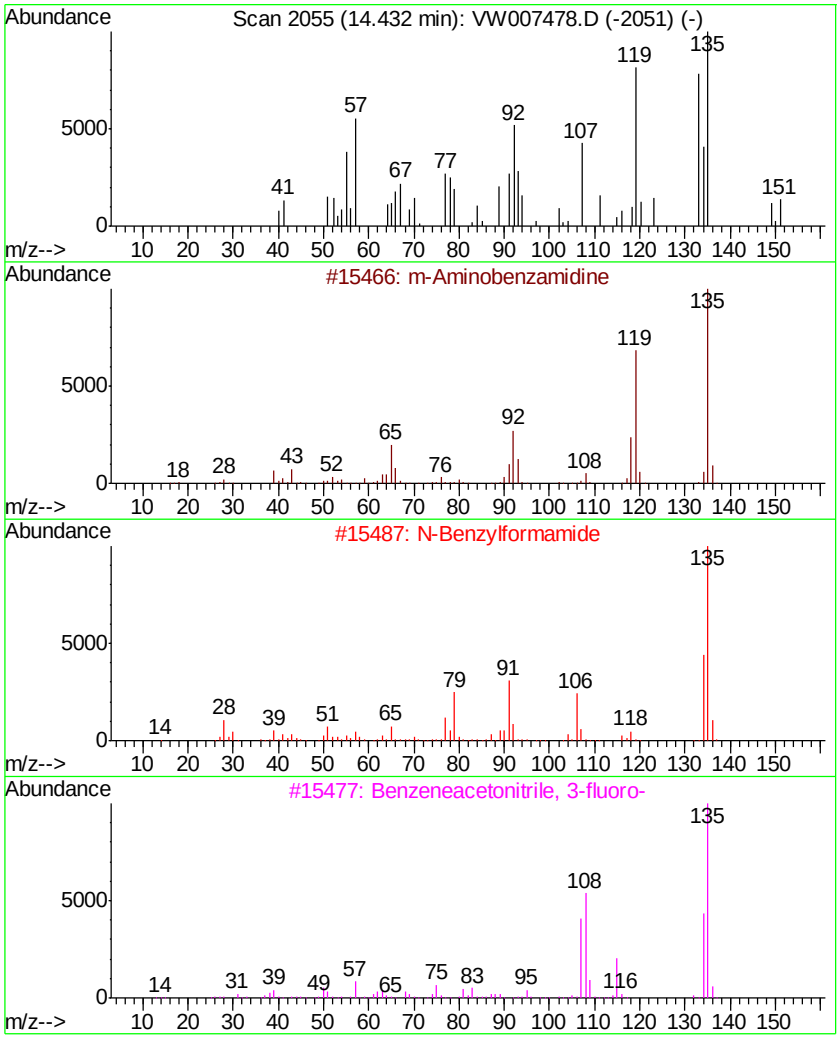
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

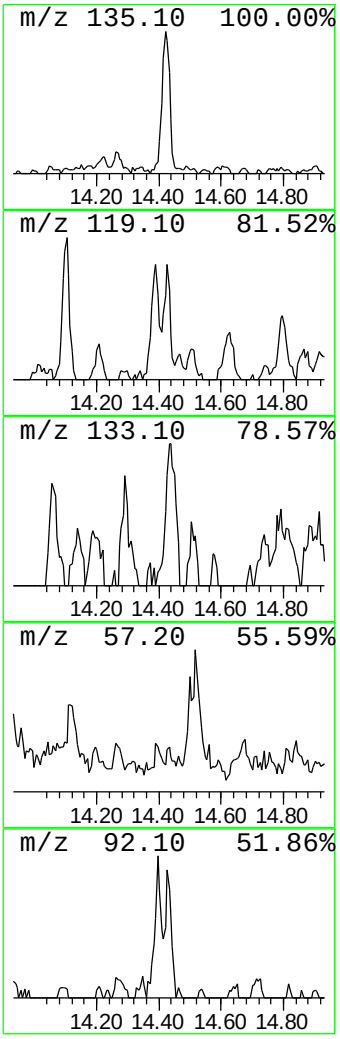
****

Peak Number 5 unknown14.43 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	5.86 ug/l	19472	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Aminobenzamidine	135	C7H9N3	003459-66-3	49
2	N-Benzylformamide	135	C8H9NO	006343-54-0	43
3	Benzeneacetonitrile, 3-fluoro-	135	C8H6FN	000501-00-8	38
4	Benzeneacetonitrile, 2-fluoro-	135	C8H6FN	000326-62-5	38
5	Benzenamine, 2,4,6-trimethyl-	135	C9H13N	000088-05-1	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA_W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 063_SW-E-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

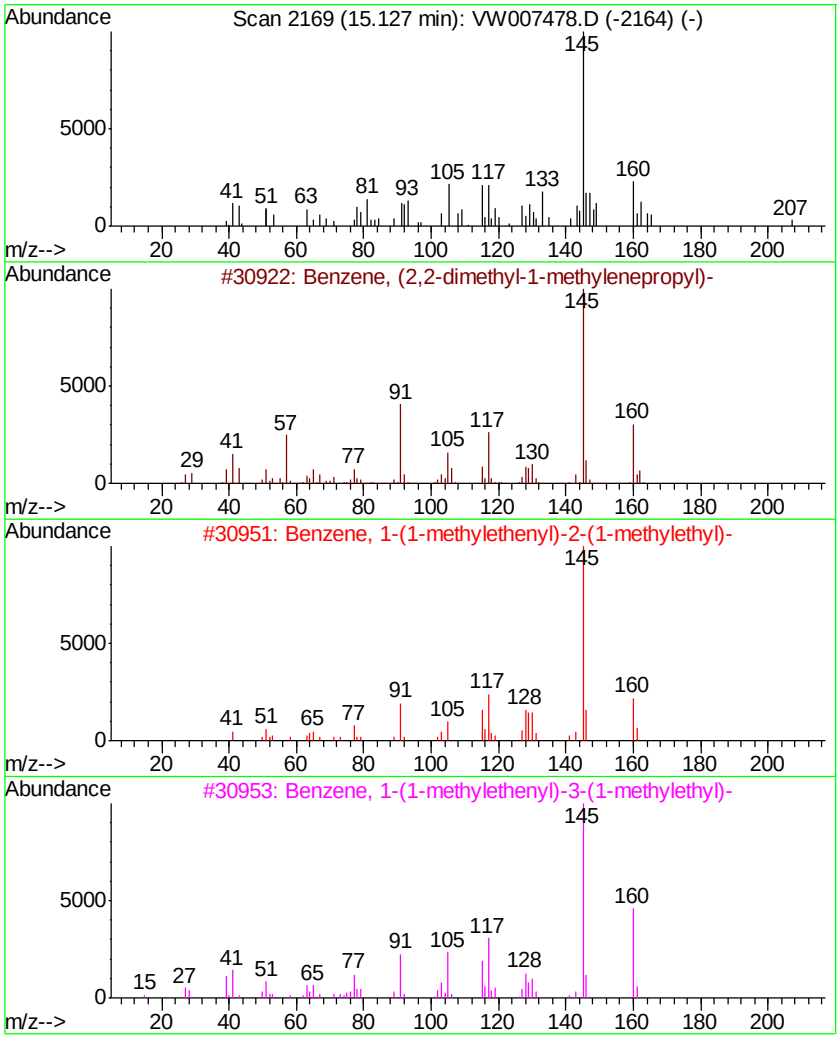
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

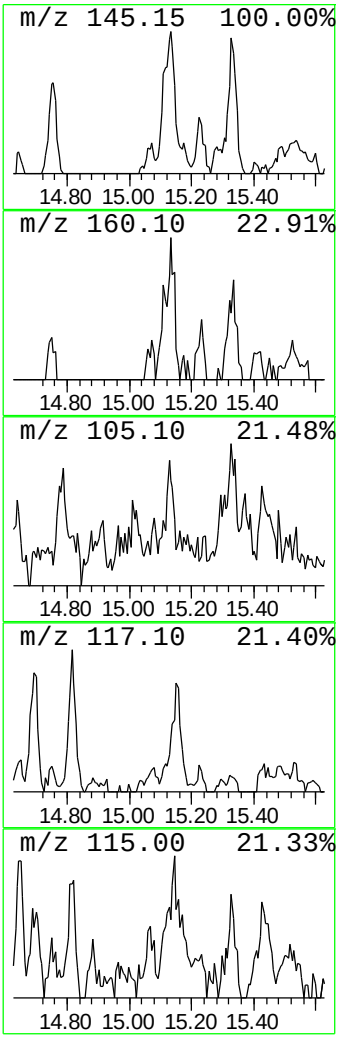
****

Peak Number 6 Benzene, (2,2-dimethyl-1-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	5.44 ug/l	18083	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	64
2	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	64
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	53
4	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	53
5	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA_W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 063_SW-E-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

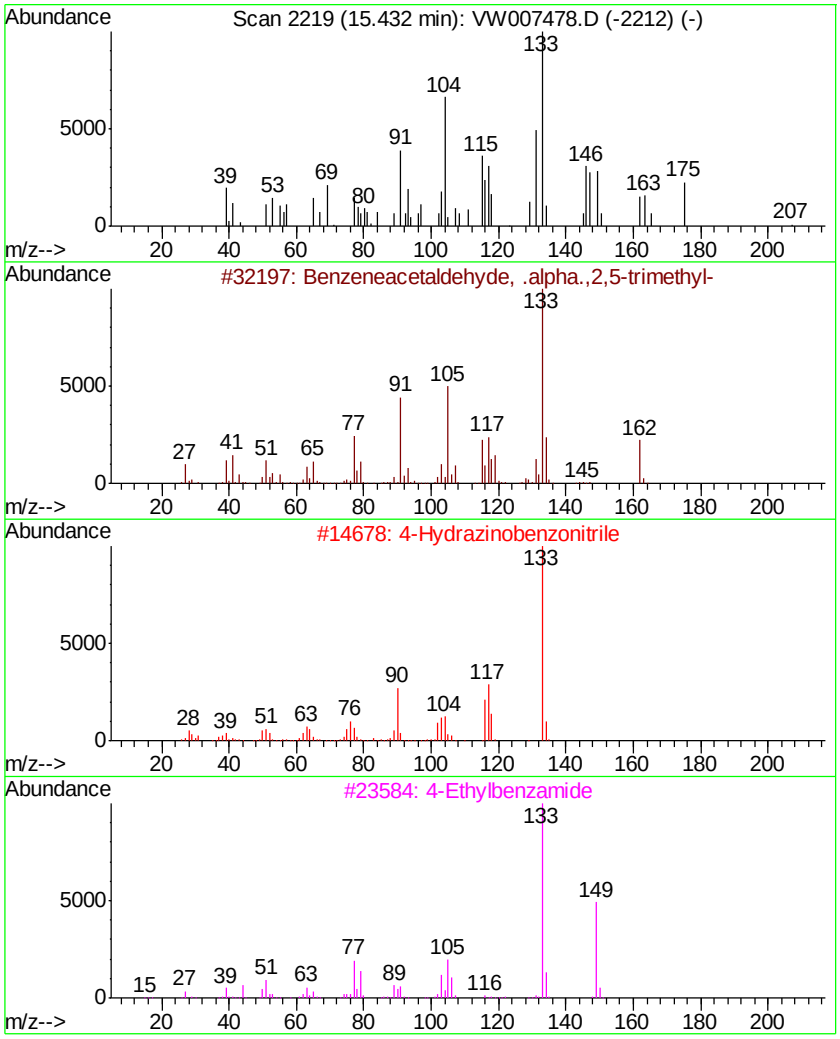
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

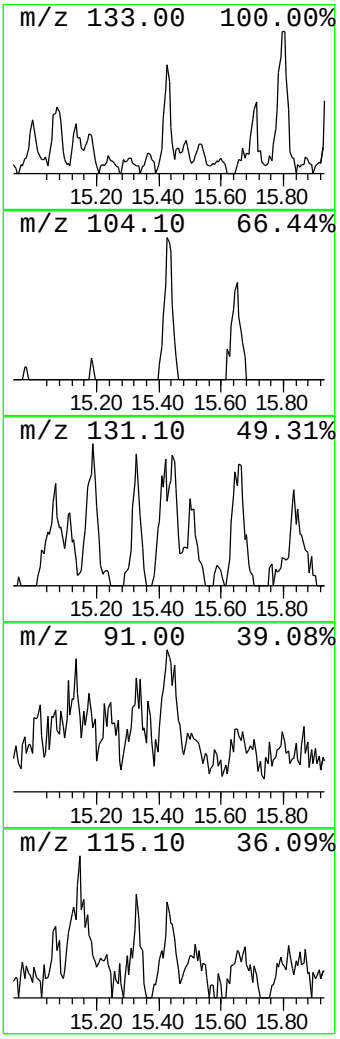
****

Peak Number 7 unknown15.43 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	6.85 ug/l	22744	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.,2,5...	162	C11H14O	052417-50-2	41
2	4-Hydrazinobenzonitrile	133	C7H7N3	017672-27-4	38
3	4-Ethylbenzamide	149	C9H11NO	033695-58-8	38
4	3,4-Dimethylbenzamide	149	C9H11NO	005580-33-6	35
5	o-Methoxybenzonitrile	133	C8H7NO	006609-56-9	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA_W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 063_SW-E-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

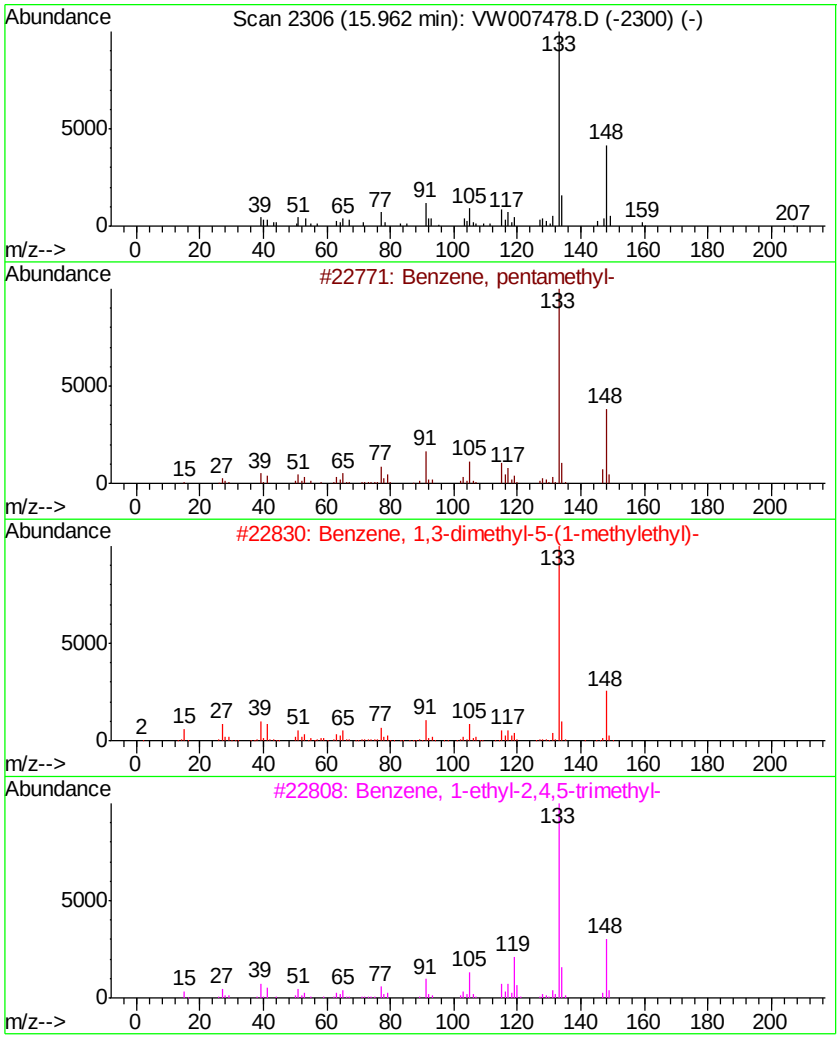
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

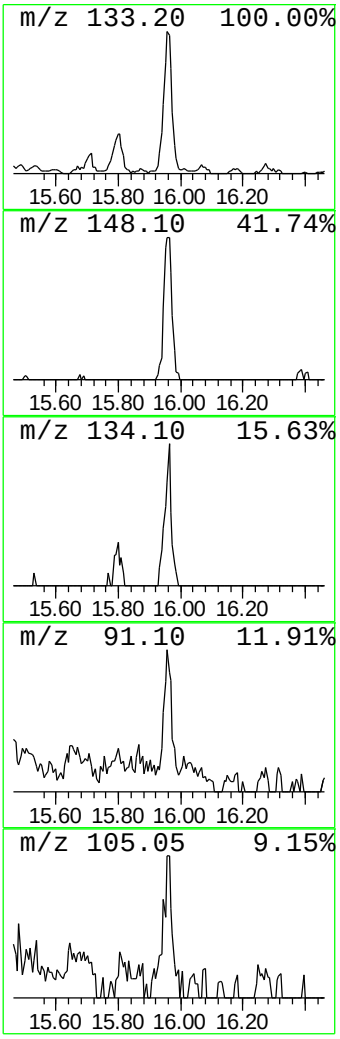
****

Peak Number 8 Benzene, pentamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	8.19 ug/l	27196	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	97
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90
3	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	87
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	87
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA_W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 063_SW-E-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown13.20	13.20	5.9	ug/l	19741	4	13.56	166133	50.0
Benzene, 1-ethyl-...	14.10	9.0	ug/l	29935	4	13.56	166133	50.0
1,3-Cyclopentadie...	14.27	6.5	ug/l	21478	4	13.56	166133	50.0
unknown14.39	14.39	5.1	ug/l	16980	4	13.56	166133	50.0
unknown14.43	14.43	5.9	ug/l	19472	4	13.56	166133	50.0
Benzene, (2,2-dim...	15.13	5.4	ug/l	18083	4	13.56	166133	50.0
unknown15.43	15.43	6.8	ug/l	22744	4	13.56	166133	50.0
Benzene, pentamet...	15.96	8.2	ug/l	27196	4	13.56	166133	50.0