LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006215.D
Acq On : 19 Oct 2018 10:22
Operator : VA/AP
Sample : J5204-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-101718-B

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\82W101518S.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	4.916	479	494	515	rBV6	26981	122000	1.33%	0.215%
2	7.891	969	982	986	rBV	151189	357577	3.89%	0.631%
3	7.952	986	992	1000	rVV	285307	647153	7.04%	1.143%
4	8.159	1017	1026	1032	rBV2	47830	108975	1.19%	0.192%
5	8.311	1043	1051	1062	rVB	135301	295501	3.21%	0.522%
6	8.439	1062	1072	1077	rBV2	56088	141103	1.53%	0.249%
7	8.512	1077	1084	1089	rVV2	48786	119811	1.30%	0.212%
8	8.580	1089	1095	1106	rVB2	57603	135703	1.48%	0.240%
9	8.848	1130	1139	1150	rBV	389702	792741	8.62%	1.400%
10	9.335	1205	1219	1225	rBV2	273893	716484	7.79%	1.265%
11	9.610	1255	1264	1272	rVB	86432	189965	2.07%	0.335%
12	9.756	1272	1288	1297	rBV3	108615	227505	2.47%	0.402%
13	10.085	1335	1342	1347	rBV3	66845	163441	1.78%	0.289%
14	10.329	1374	1382	1396	rBV	831855	1817733	19.77%	3.210%
15	10.506	1404	1411	1419	rVB5	162398	458050	4.98%	0.809%
16	10.622	1419	1430	1433	rBV7	39765	94043	1.02%	0.166%
17	10.671	1433	1438	1444	rVB	236167	412748	4.49%	0.729%
18	10.762	1444	1453	1459	rBV3	178034	430246	4.68%	0.760%
19	10.847	1463	1467	1473	rVB3	59990	107931	1.17%	0.191%
20	10.939	1473	1482	1488	rBV	138082	260073	2.83%	0.459%
21	11.043	1488	1499	1506	rBV4	88062	305171	3.32%	0.539%
22	11.110	1506	1510	1513	rBV3	76754	128132	1.39%	0.226%
23	11.183	1518	1522	1526	rVB	267262	390650	4.25%	0.690%
24	11.238	1526	1531	1536	rVB	337317	574441	6.25%	1.014%
25	11.341	1543	1548	1552	rVB2	132833	211721	2.30%	0.374%
26	11.439	1552	1564	1572	rVB4	175778	449552	4.89%	0.794%
27	11.518	1572	1577	1580	rBV	81670	130916	1.42%	0.231%
28	11.634	1590	1596	1605	rBV	514593	891237	9.69%	1.574%
29	11.731	1607	1612	1615	rBV2	128453	214011	2.33%	0.378%
30	11.817	1621	1626	1631	rBV5	86195	168300	1.83%	0.297%
31	11.878	1631	1636	1640	rBV	248494	430021	4.68%	0.759%
32	11.920	1641	1643	1648	rVB2	182350	250042	2.72%	0.442%
33	12.042	1657	1663	1672	rBV5	73695	198960	2.16%	0.351%
34	12.146	1672	1680	1687	rBV4	311875	863224	9.39%	1.524%

LSC Area Percent Report

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Acq On : 19 Oct 2018 10:22
Operator : VA/AP
Sample : J5204-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-101718-B

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\82W101518S.M
Title : SW846 8260

35	12.256	1695	1698	1702	rVB	180317	264560	2.88%	0.467%
36	12.311	1702	1707	1708	rBV2	122127	185566	2.02%	0.328%
37	12.347	1708	1713	1716	rVV	282323	557720	6.07%	0.985%
38	12.390	1717	1720	1724	rVB2	192733	297427	3.23%	0.525%
39	12.621	1753	1758	1766	rBV	460108	825236	8.97%	1.457%
40	12.701	1766	1771	1777	rVV2	147066	316964	3.45%	0.560%
41	12.786	1781	1785	1792	rVB4	260021	499478	5.43%	0.882%
42	12.871	1792	1799	1801	rBV5	188368	349614	3.80%	0.617%
43	12.908	1801	1805	1807	rVV	223865	399003	4.34%	0.705%
44	12.945	1808	1811	1817	rVV4	344876	686573	7.47%	1.212%
45	12.999	1817	1820	1824	rVB3	82036	118535	1.29%	0.209%
46	13.109	1830	1838	1845	rBV2	190277	473283	5.15%	0.836%
47	13.176	1845	1849	1857	rVB4	175369	342104	3.72%	0.604%
48	13.256	1857	1862	1867	rBV	404657	643345	7.00%	1.136%
49	13.304	1867	1870	1874	rVV3	91957	128332	1.40%	0.227%
50	13.390	1880	1884	1888	rVB3	84096	132267	1.44%	0.234%
51	13.451	1888	1894	1898	rVV4	174891	337269	3.67%	0.596%
52	13.505	1898	1903	1908	rVV	632311	985363	10.72%	1.740%
53	13.566	1908	1913	1915	rVV	434867	699172	7.60%	1.235%
54	13.591	1915	1917	1922	rVB	381268	500174	5.44%	0.883%
55	13.725	1935	1939	1941	rBV	174431	245758	2.67%	0.434%
56	13.768	1941	1946	1951	rVV	1144634	1792438	19.49%	3.165%
57	13.890	1960	1966	1970	rBV2	306984	521258	5.67%	0.920%
58	13.944	1970	1975	1980	rVV2	175490	335953	3.65%	0.593%
59	14.018	1984	1987	1989	rVV	130508	177440	1.93%	0.313%
60	14.048	1989	1992	1996	rVV	144279	229391	2.49%	0.405%
61	14.103	1996	2001	2006	rVB	485863	721005	7.84%	1.273%
62	14.213	2014	2019	2026	rBV2	416342	776301	8.44%	1.371%
63	14.347	2035	2041	2045	rBV3	132592	246126	2.68%	0.435%
64	14.396	2045	2049	2051	rVV3	162694	255810	2.78%	0.452%
65	14.426	2051	2054	2057	rVV	384871	548240	5.96%	0.968%
66	14.469	2057	2061	2064	rVV	262148	376483	4.09%	0.665%
67	14.511	2064	2068	2071	rVV2	132624	187192	2.04%	0.331%
68	14.566	2072	2077	2082	rVB4	123357	282308	3.07%	0.499%
69	14.694	2094	2098	2103	rBV2	386982	646624	7.03%	1.142%
70	14.743	2103	2106	2110	rVB3	120388	176758	1.92%	0.312%
71	14.816	2110	2118	2123	rBV3	1144230	2484035	27.02%	4.387%

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Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-101718-B

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Title : SW846 8260

72	14.877	2123	2128	2137	rVB2	457957	844797	9.19%	1.492%
73	14.963	2137	2142	2148	rBV2	661242	1091642	11.87%	1.928%
74	15.072	2155	2160	2165	rBV4	330838	586858	6.38%	1.036%
75	15.188	2173	2179	2188	rVB3	329862	759224	8.26%	1.341%
76	15.377	2199	2210	2217	rBV	3942290	7043007	76.60%	12.437%
77	15.481	2221	2227	2231	rBV3	224928	437825	4.76%	0.773%
78	15.670	2250	2258	2263	rBV2	214048	521176	5.67%	0.920%
79	15.743	2267	2270	2276	rVB7	86228	163111	1.77%	0.288%
80	15.847	2276	2287	2288	rBV3	139287	418956	4.56%	0.740%
81	15.975	2302	2308	2313	rBV4	145250	384154	4.18%	0.678%
82	16.182	2336	2342	2348	rBV3	117898	271846	2.96%	0.480%
83	16.389	2370	2376	2380	rBV2	136748	298594	3.25%	0.527%
84	16.456	2380	2387	2401	rVB	1337304	3062433	33.31%	5.408%
85	16.657	2412	2420	2431	rVB	4089303	9194958	100.00%	16.237%

Sum of corrected areas: 56628847

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
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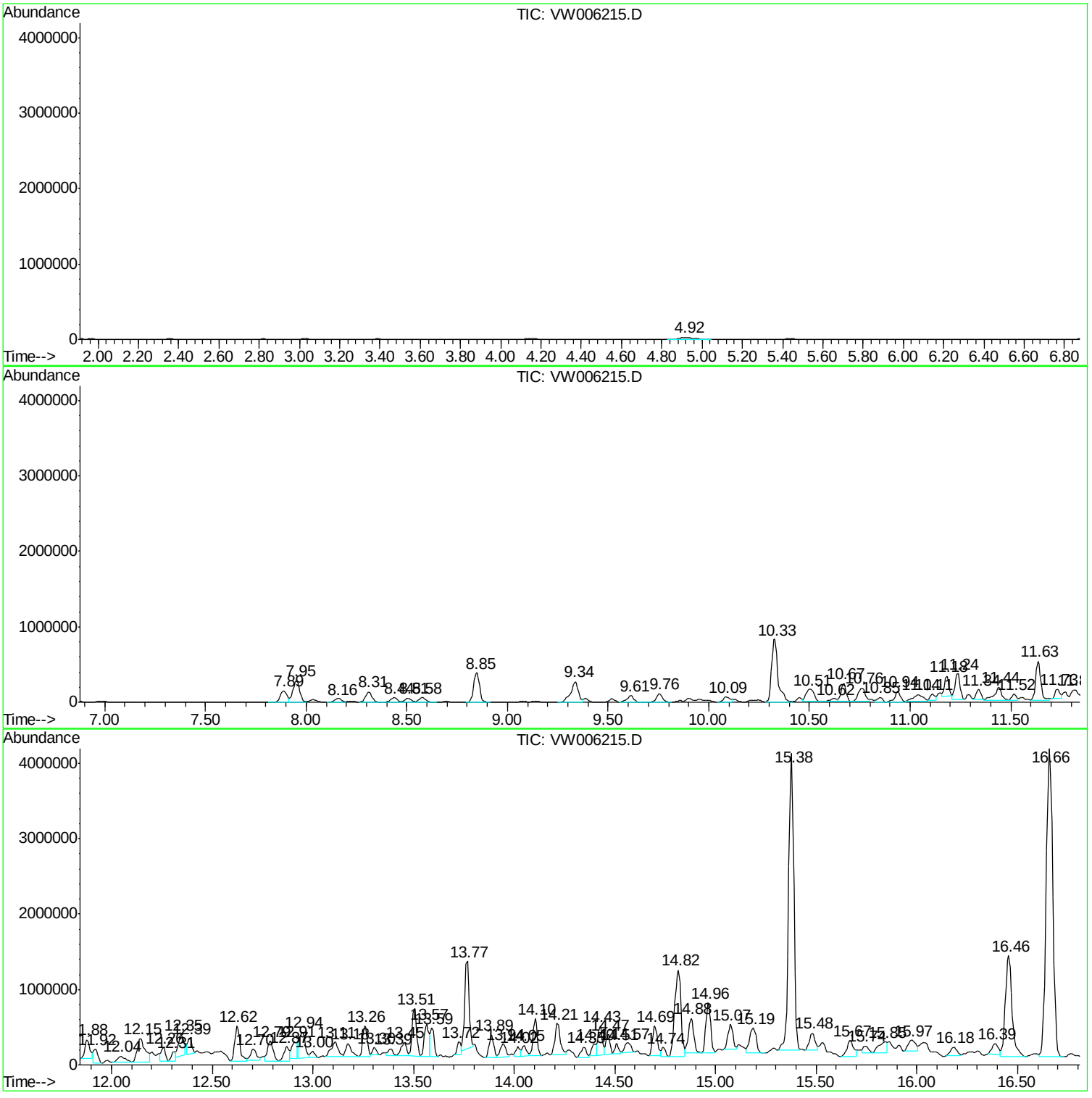
Acq On : 19 Oct 2018 10:22
Operator : VA/AP
Sample : J5204-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-03-101718-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.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\VW101818\
Data File : VW006215.D
Acq On : 19 Oct 2018 10:22
Operator : VA/AP
Sample : J5204-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-101718-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

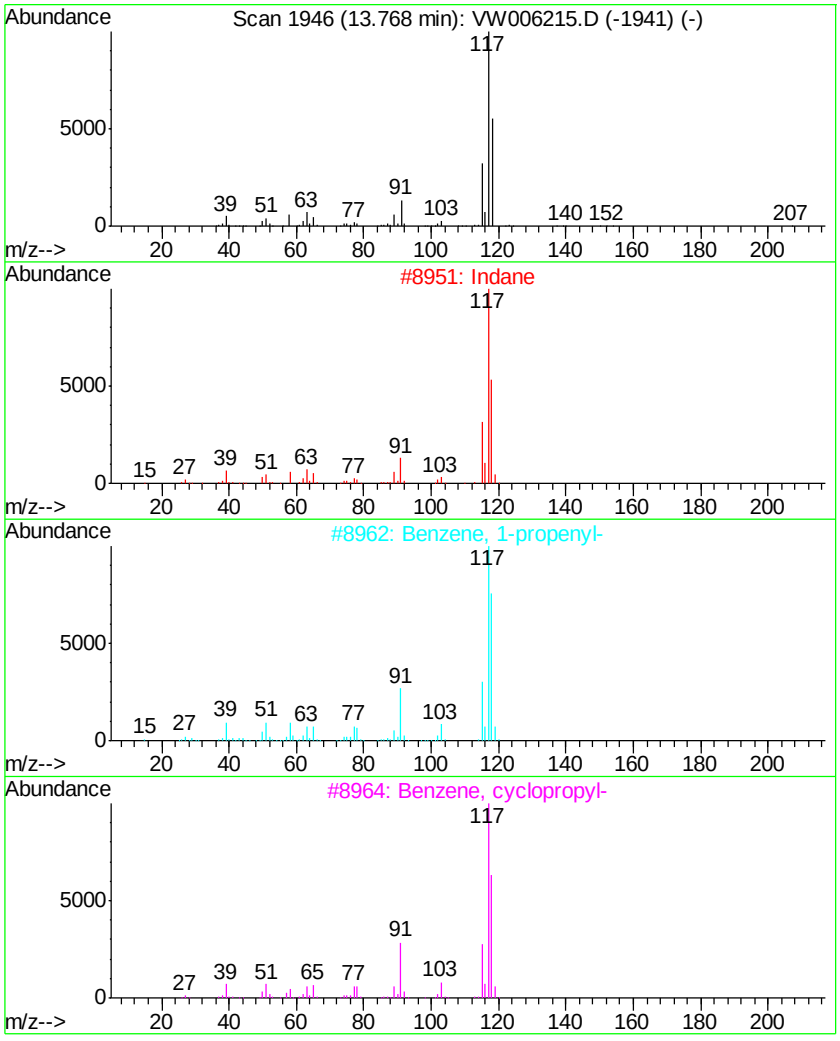
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

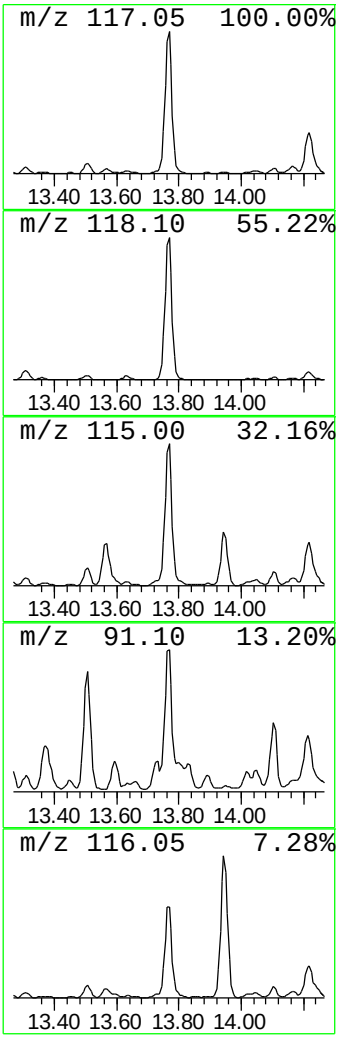
****

Peak Number 1 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	128.18 ug/l	1792440	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	59
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006215.D
Acq On : 19 Oct 2018 10:22
Operator : VA/AP
Sample : J5204-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-101718-B

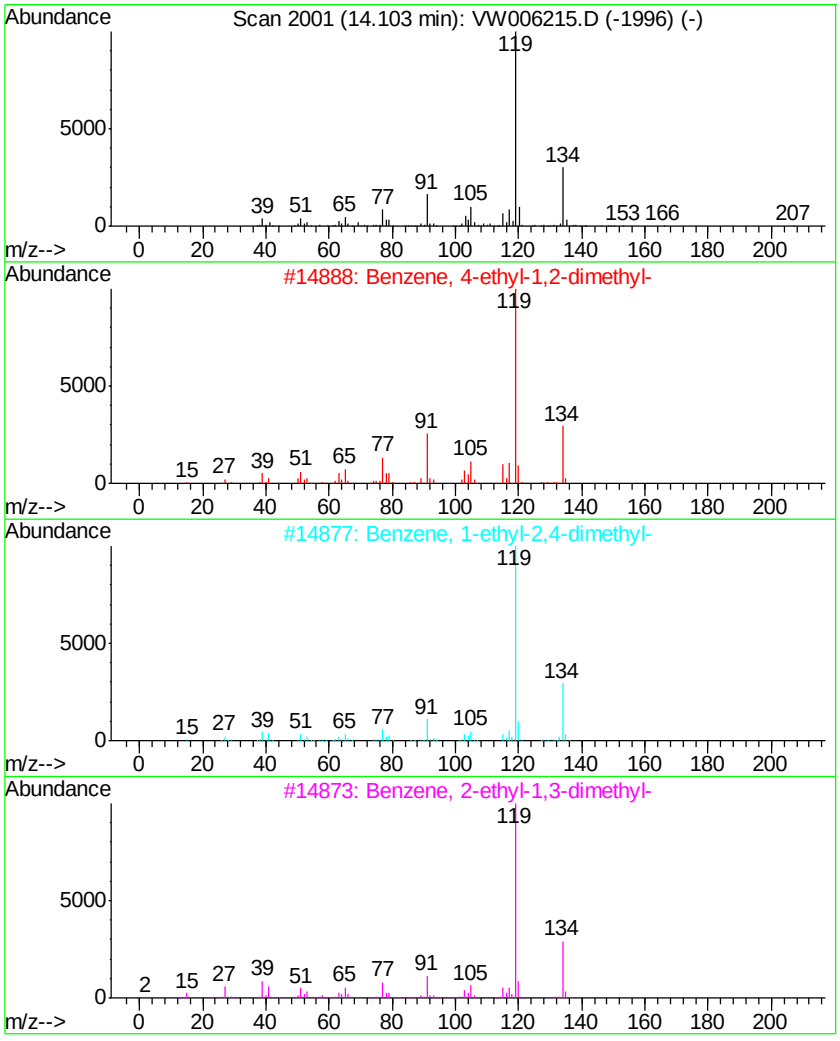
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

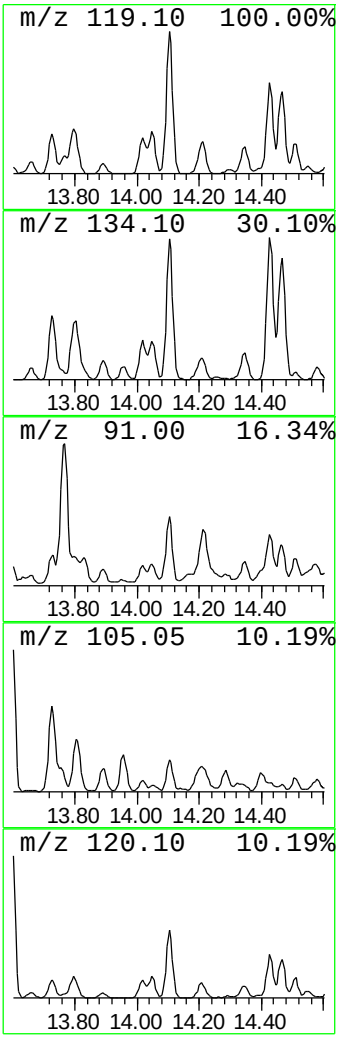
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	51.56 ug/l	721005	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	96
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006215.D
Acq On : 19 Oct 2018 10:22
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Sample : J5204-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-101718-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

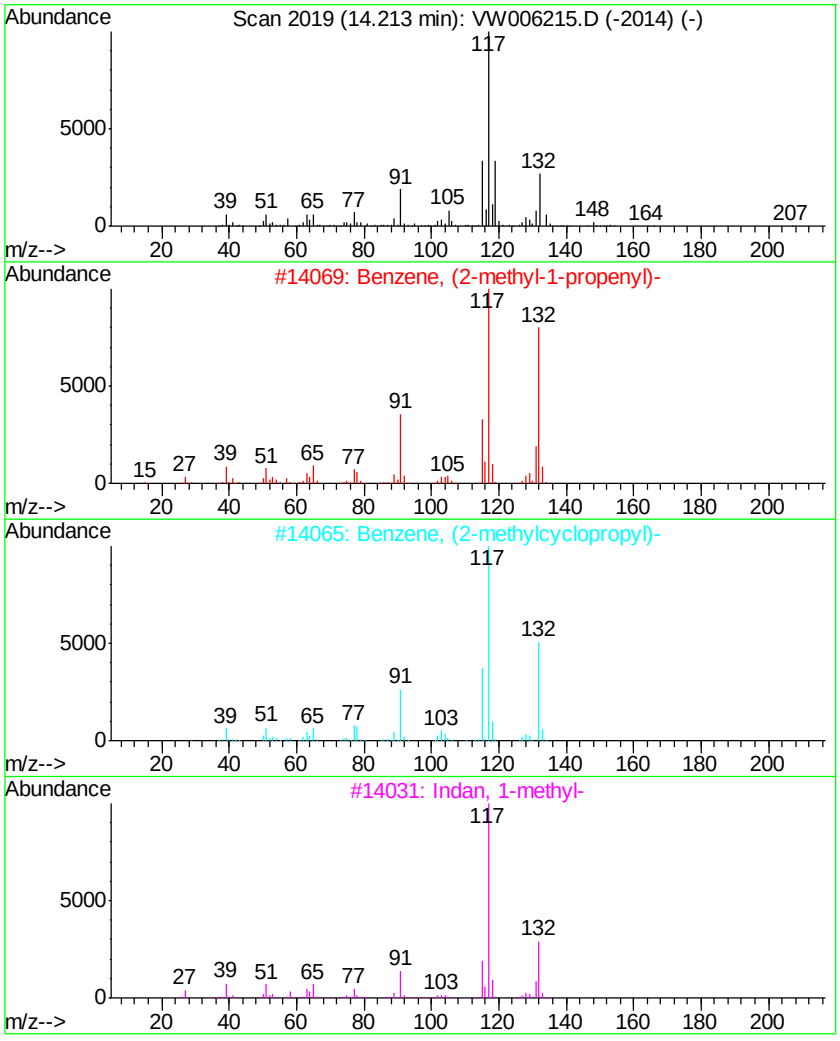
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

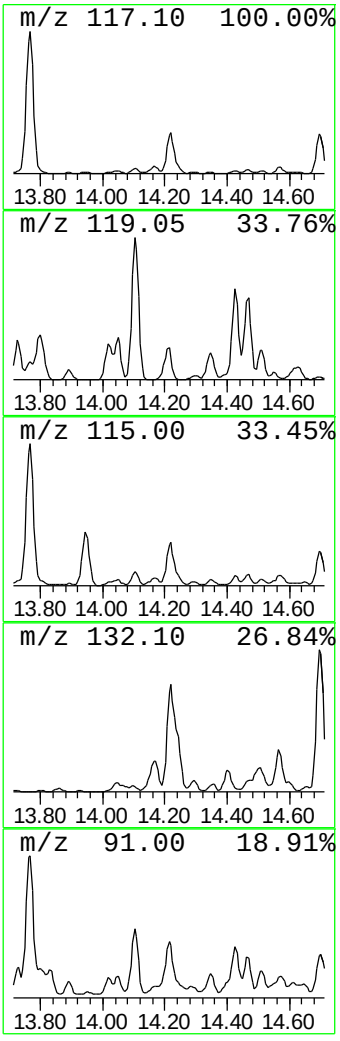
****

Peak Number 3 Benzene, (2-methyl-1-propen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	55.52 ug/l	776301	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	76
3	Indan, 1-methyl-	132	C10H12	000767-58-8	76
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	72





Library Search Compound Report

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Data File : VW006215.D
Acq On : 19 Oct 2018 10:22
Operator : VA/AP
Sample : J5204-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-101718-B

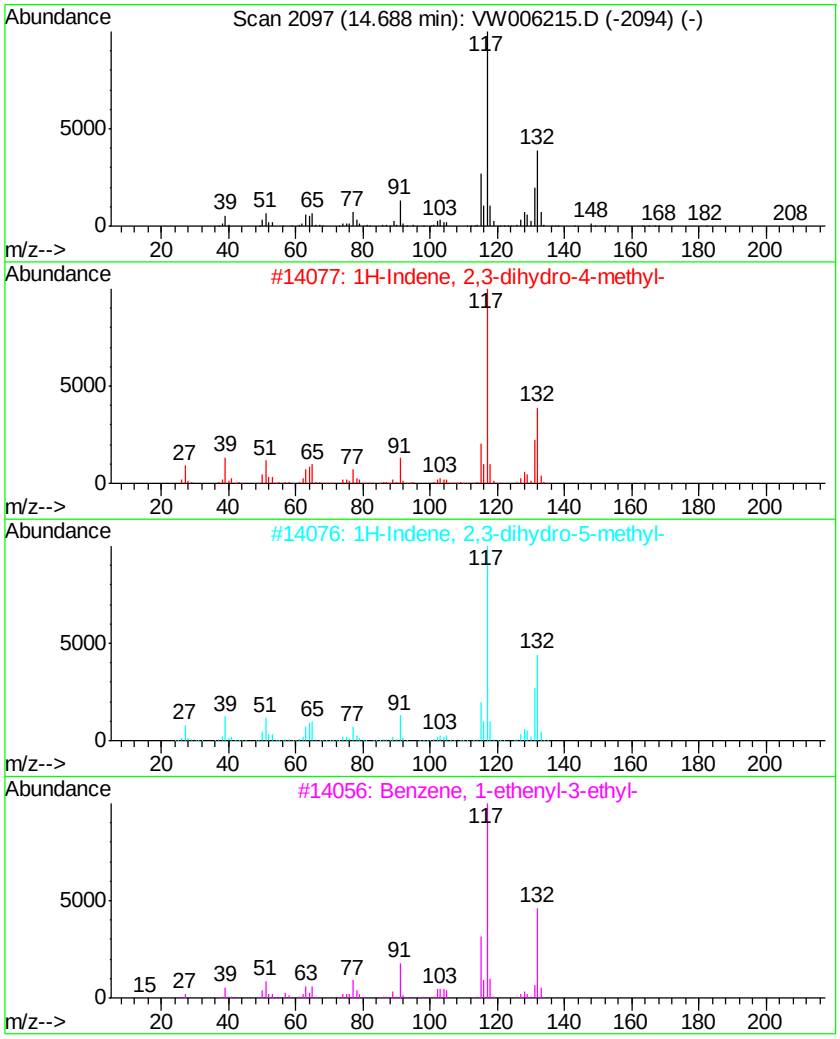
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

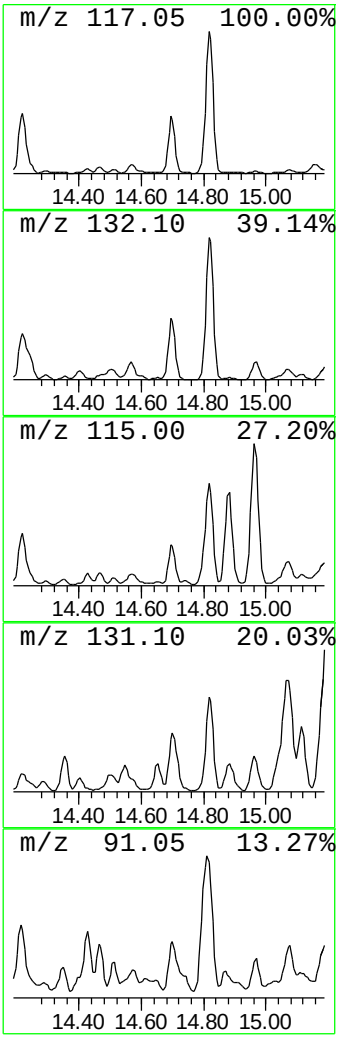
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	46.24 ug/l	646624	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
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Operator : VA/AP
Sample : J5204-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-101718-B

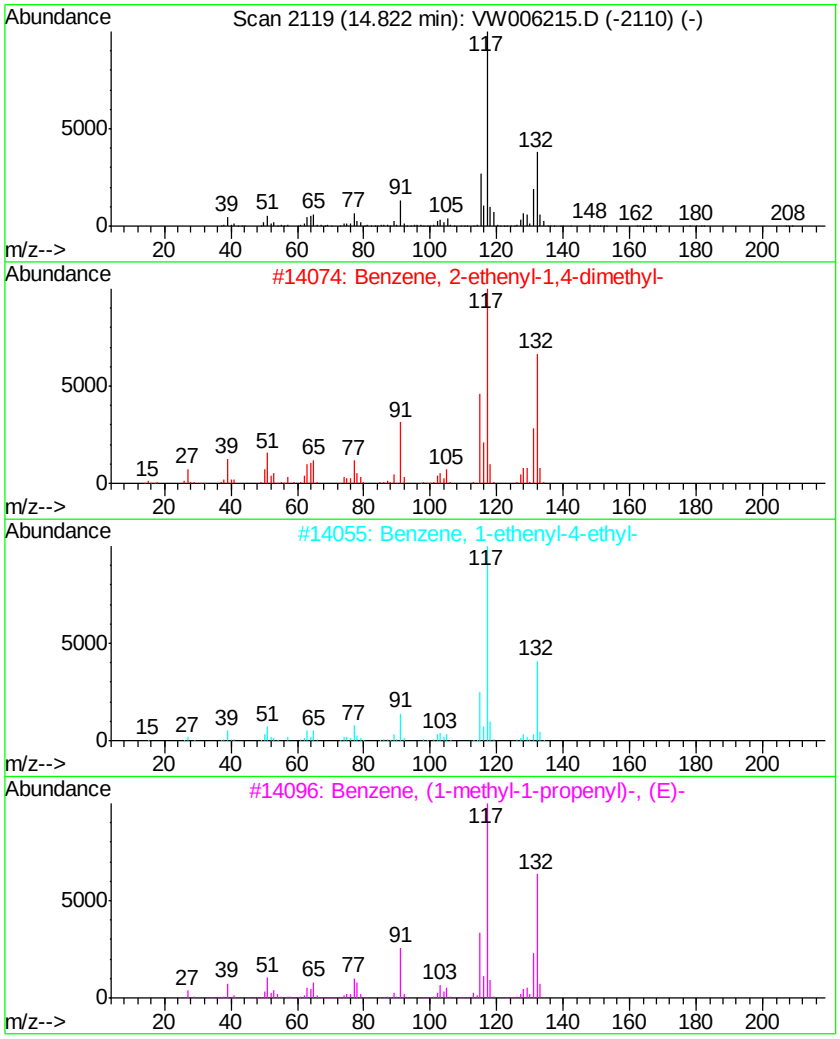
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

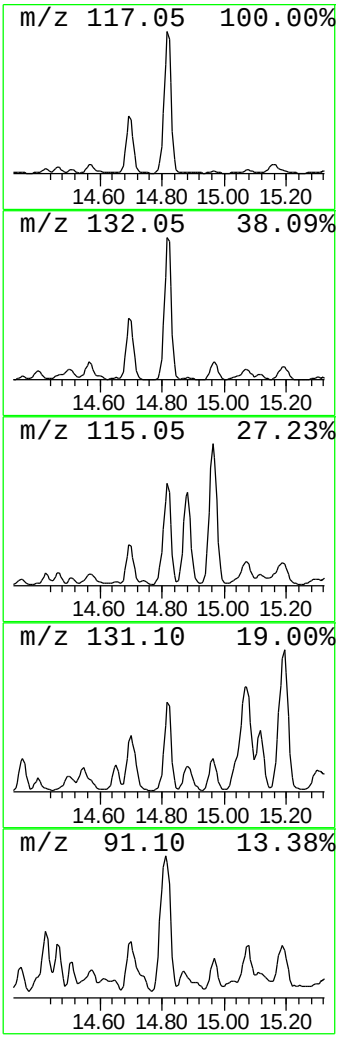
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	177.64 ug/l	2484040	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006215.D
Acq On : 19 Oct 2018 10:22
Operator : VA/AP
Sample : J5204-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-101718-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

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

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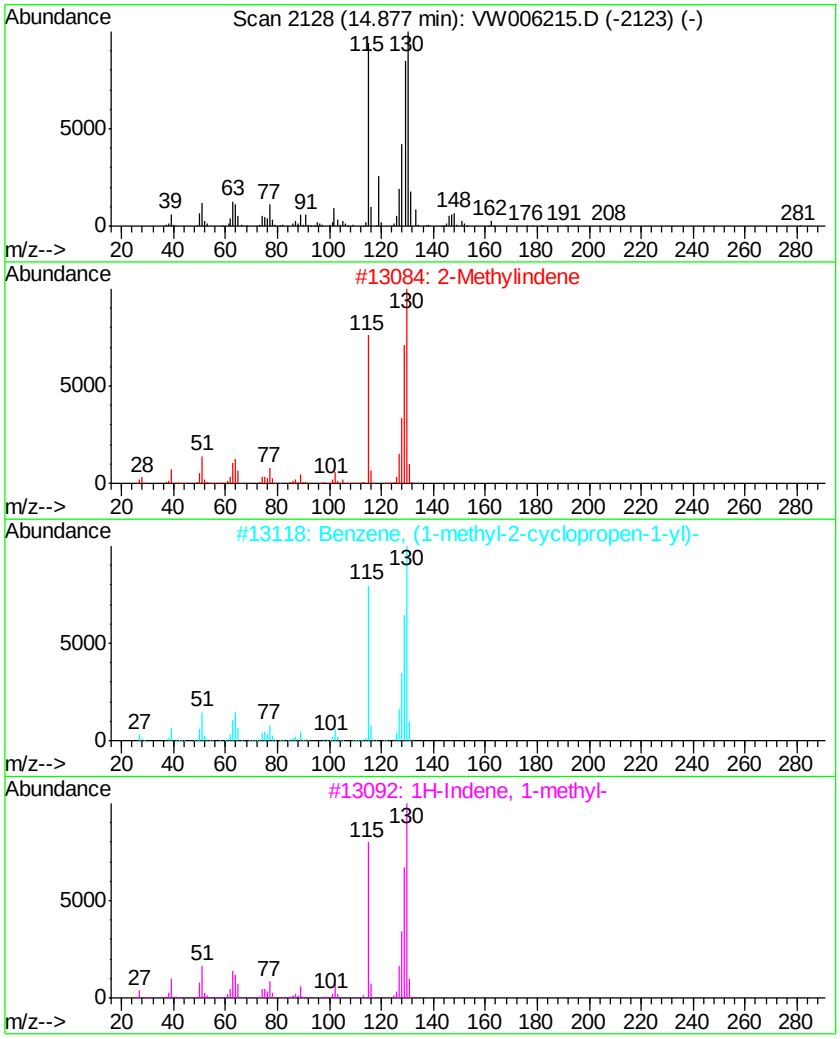
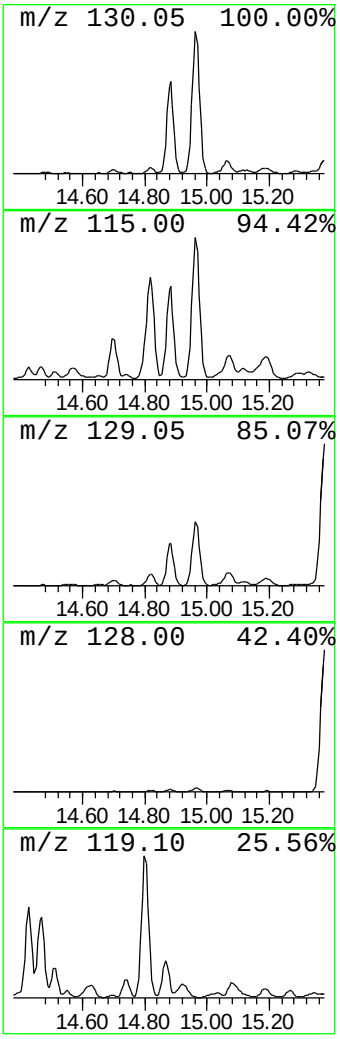
Peak Number 6 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	60.41 ug/l	844797	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93





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Data File : VW006215.D
Acq On : 19 Oct 2018 10:22
Operator : VA/AP
Sample : J5204-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-101718-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

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

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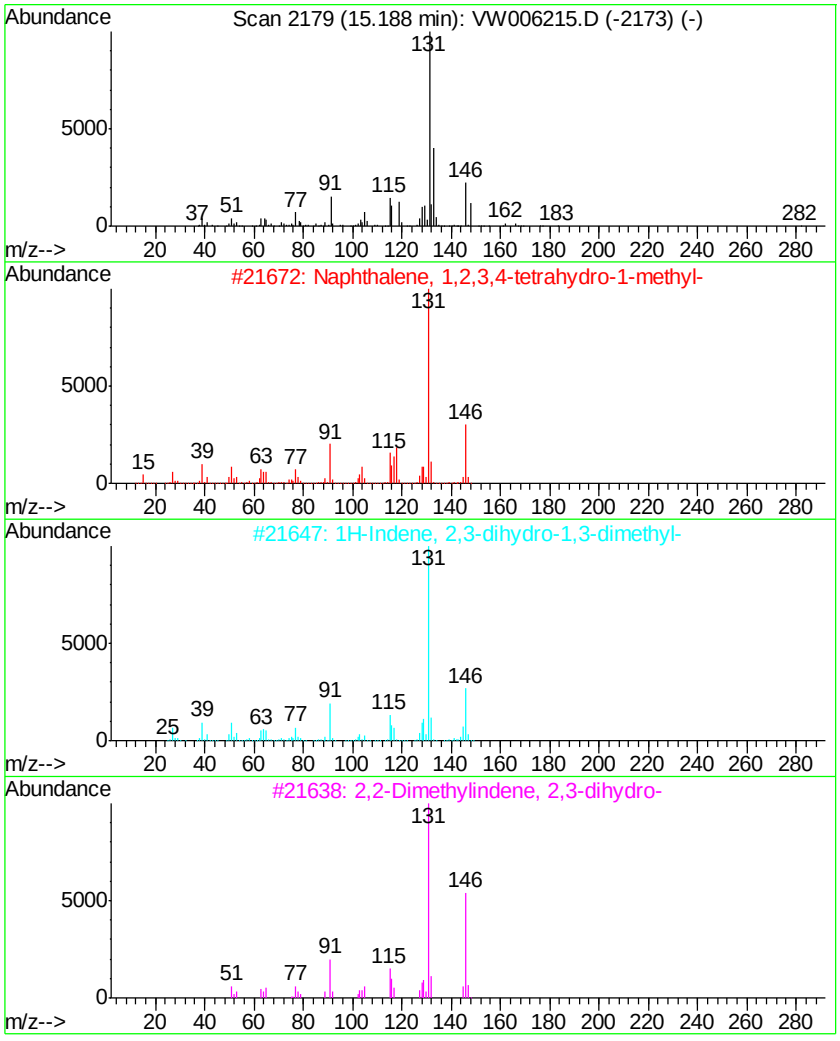
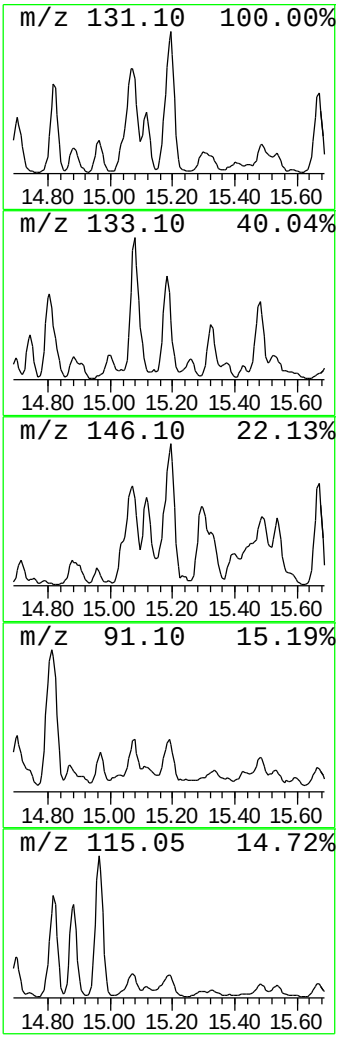
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	54.29 ug/l	759224	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006215.D
Acq On : 19 Oct 2018 10:22
Operator : VA/AP
Sample : J5204-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-101718-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

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

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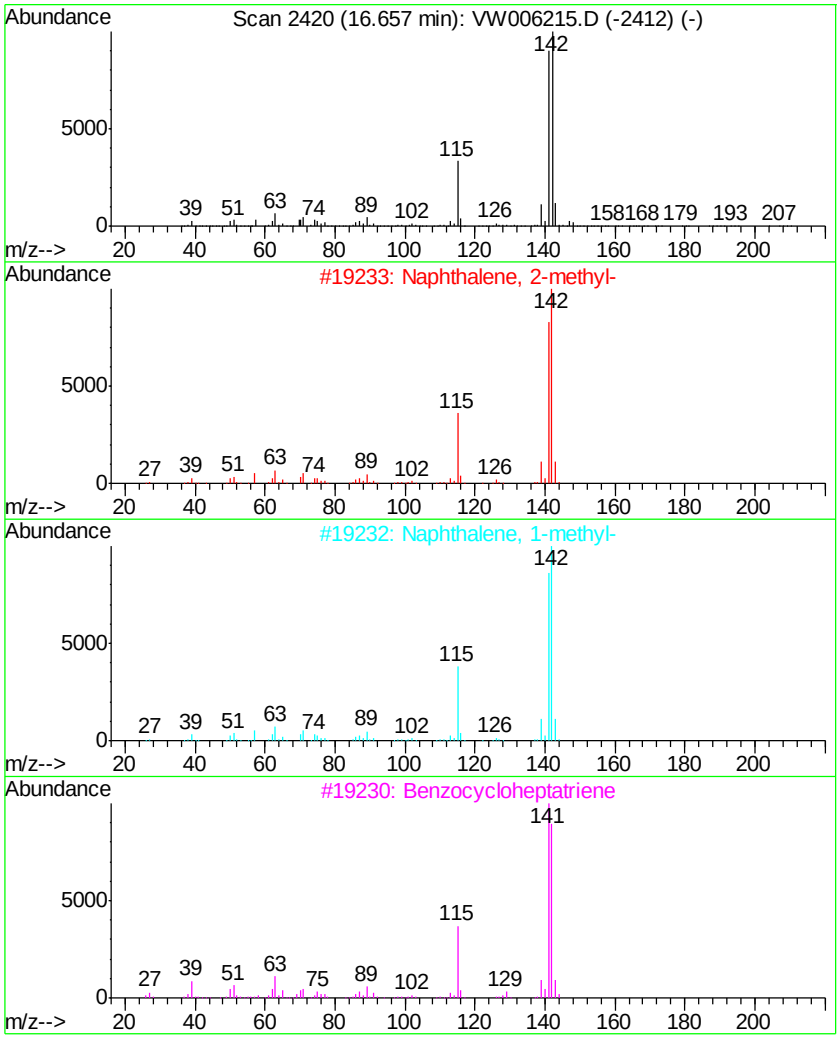
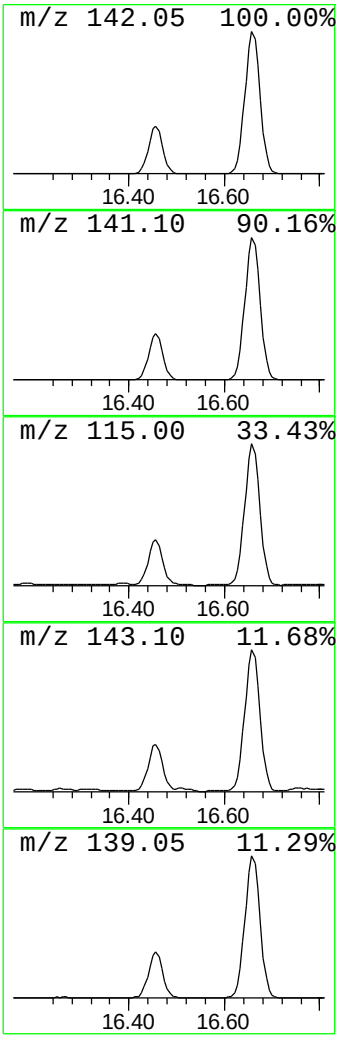
Peak Number 10 Naphthalene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	657.56 ug/l	9194960	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006215.D
Acq On : 19 Oct 2018 10:22
Operator : VA/AP
Sample : J5204-07
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-101718-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.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
Indane	13.77	128.2	ug/l	1792440	4	13.57	699172	50.0
Benzene, 4-ethyl-...	14.10	51.6	ug/l	721005	4	13.57	699172	50.0
Benzene, (2-methy...	14.21	55.5	ug/l	776301	4	13.57	699172	50.0
1H-Indene, 2,3-di...	14.69	46.2	ug/l	646624	4	13.57	699172	50.0
Benzene, 2-etheny...	14.82	177.6	ug/l	2484040	4	13.57	699172	50.0
2-Methylindene	14.88	60.4	ug/l	844797	4	13.57	699172	50.0
Naphthalene, 1,2,...	15.19	54.3	ug/l	759224	4	13.57	699172	50.0
Naphthalene, 2-me...	16.66	657.6	ug/l	9194960	4	13.57	699172	50.0