LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006854.D
Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-110(14-16)

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\82W111218S.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	4.928	483	496	508	rBV2	37971	120838	2.96%	0.200%
2	7.890	971	982	987	rBV	180502	425402	10.41%	0.703%
3	7.958	987	993	1005	rVB	409145	912040	22.31%	1.507%
4	8.311	1042	1051	1063	rBV	157984	341733	8.36%	0.564%
5	8.848	1129	1139	1150	rBV	540700	1054875	25.80%	1.743%
6	10.329	1374	1382	1389	rBV	737217	1290139	31.56%	2.131%
7	10.750	1438	1451	1462	rVB2	44764	183658	4.49%	0.303%
8	11.634	1587	1596	1604	rBV	832475	1396831	34.17%	2.307%
9	11.737	1608	1613	1621	rVB	26082	43153	1.06%	0.071%
10	11.847	1621	1631	1640	rBV	53189	113523	2.78%	0.188%
11	12.621	1748	1758	1768	rVB2	671871	1261097	30.85%	2.083%
12	12.762	1776	1781	1784	rBV2	23762	46942	1.15%	0.078%
13	12.810	1784	1789	1794	rVB	74105	120710	2.95%	0.199%
14	12.871	1794	1799	1801	rBV	119983	179651	4.39%	0.297%
15	12.908	1801	1805	1808	rVV	160670	267195	6.54%	0.441%
16	12.951	1808	1812	1818	rVB	316232	503787	12.32%	0.832%
17	13.109	1829	1838	1845	rBV	176308	393839	9.63%	0.651%
18	13.170	1845	1848	1850	rBV	42700	54742	1.34%	0.090%
19	13.201	1850	1853	1856	rVB	51566	61331	1.50%	0.101%
20	13.255	1856	1862	1867	rBV	1514390	2291195	56.04%	3.785%
21	13.304	1867	1870	1874	rVB2	66154	95921	2.35%	0.158%
22	13.414	1874	1888	1891	rBV4	132276	348247	8.52%	0.575%
23	13.450	1891	1894	1897	rVB2	56858	74902	1.83%	0.124%
24	13.493	1897	1901	1904	rBV2	93517	139096	3.40%	0.230%
25	13.524	1904	1906	1908	rBV	41190	47100	1.15%	0.078%
26	13.566	1908	1913	1916	rBV	956946	1673340	40.93%	2.764%
27	13.725	1933	1939	1941	rBV	300376	448450	10.97%	0.741%
28	13.761	1941	1945	1948	rVV2	885823	1549326	37.90%	2.559%
29	13.798	1948	1951	1961	rVB2	892202	1655879	40.50%	2.735%
30	13.883	1961	1965	1970	rBV2	159347	278333	6.81%	0.460%
31	13.956	1972	1977	1982	rVB	274485	389210	9.52%	0.643%
32	14.017	1982	1987	1990	rBV	635053	1097388	26.84%	1.813%
33	14.048	1990	1992	1996	rVB	521799	592640	14.50%	0.979%
34	14.103	1996	2001	2007	rBV	1253548	1905738	46.61%	3.148%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006854.D
Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-110(14-16)

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\82W111218S.M
Title : SW846 8260

35	14.164	2008	2011	2014	rVB	114304	138442	3.39%	0.229%
36	14.213	2014	2019	2024	rVB2	789795	1268882	31.04%	2.096%
37	14.273	2024	2029	2035	rVB5	110988	255147	6.24%	0.421%
38	14.347	2035	2041	2046	rBV3	398170	750866	18.37%	1.240%
39	14.426	2046	2054	2057	rBV	918493	1641584	40.15%	2.712%
40	14.469	2057	2061	2064	rVB	1119117	1531096	37.45%	2.529%
41	14.511	2064	2068	2071	rBV2	809780	1109712	27.14%	1.833%
42	14.548	2071	2074	2081	rVB	440108	651230	15.93%	1.076%
43	14.609	2082	2084	2087	rBV	49826	62692	1.53%	0.104%
44	14.651	2087	2091	2094	rBV	333663	448336	10.97%	0.741%
45	14.694	2094	2098	2102	rBV3	911741	1546703	37.83%	2.555%
46	14.737	2102	2105	2110	rVB2	603272	934712	22.86%	1.544%
47	14.816	2110	2118	2122	rBV2	1745929	4088287	100.00%	6.753%
48	14.968	2139	2143	2150	rVB3	187919	383827	9.39%	0.634%
49	15.072	2150	2160	2165	rBV3	1160211	2958995	72.38%	4.888%
50	15.188	2173	2179	2187	rVB2	951494	2323810	56.84%	3.839%
51	15.261	2187	2191	2198	rVB6	289425	547978	13.40%	0.905%
52	15.340	2198	2204	2206	rBV	1035859	1793153	43.86%	2.962%
53	15.377	2207	2210	2215	rVB	1081661	1633977	39.97%	2.699%
54	15.481	2221	2227	2231	rBV2	566304	1127056	27.57%	1.862%
55	15.529	2231	2235	2238	rVV4	400829	776459	18.99%	1.283%
56	15.566	2238	2241	2250	rVB5	518109	1072995	26.25%	1.772%
57	15.670	2250	2258	2264	rBV3	891162	2294052	56.11%	3.789%
58	15.956	2302	2305	2310	rVB2	248783	414715	10.14%	0.685%
59	16.035	2311	2318	2325	rBV4	787745	2149375	52.57%	3.550%
60	16.176	2334	2341	2346	rBV5	278399	818859	20.03%	1.353%
61	16.237	2347	2351	2356	rVV4	353855	685733	16.77%	1.133%
62	16.304	2357	2362	2368	rVB	714378	1219893	29.84%	2.015%
63	16.456	2381	2387	2392	rBV	830725	1745845	42.70%	2.884%
64	16.511	2392	2396	2401	rVB	497904	862369	21.09%	1.425%
65	16.651	2413	2419	2431	rVB5	553485	1942906	47.52%	3.209%

Sum of corrected areas: 60537937

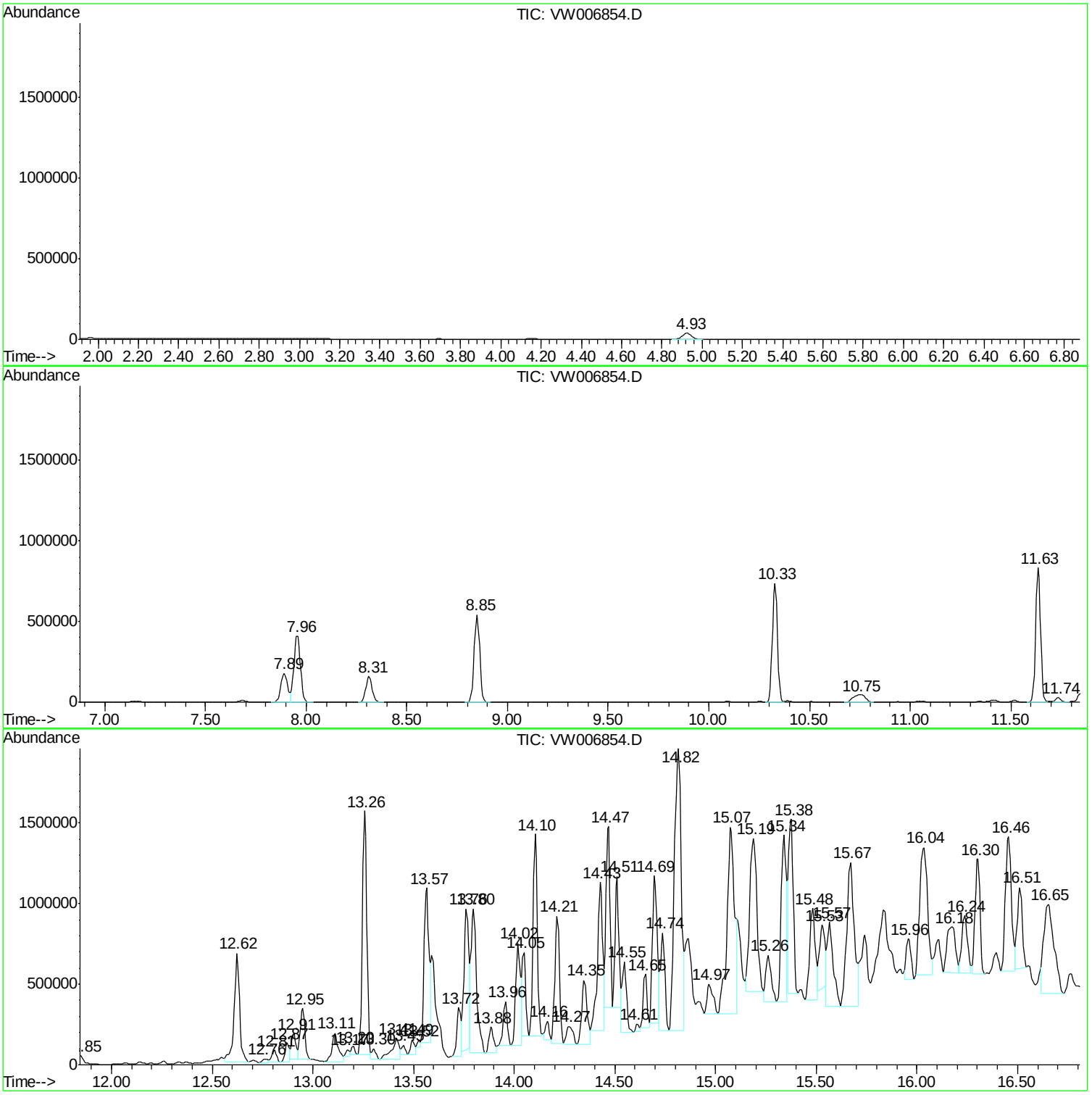
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006854.D
Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(14-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.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\VW111318\
Data File : VW006854.D
Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-110(14-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

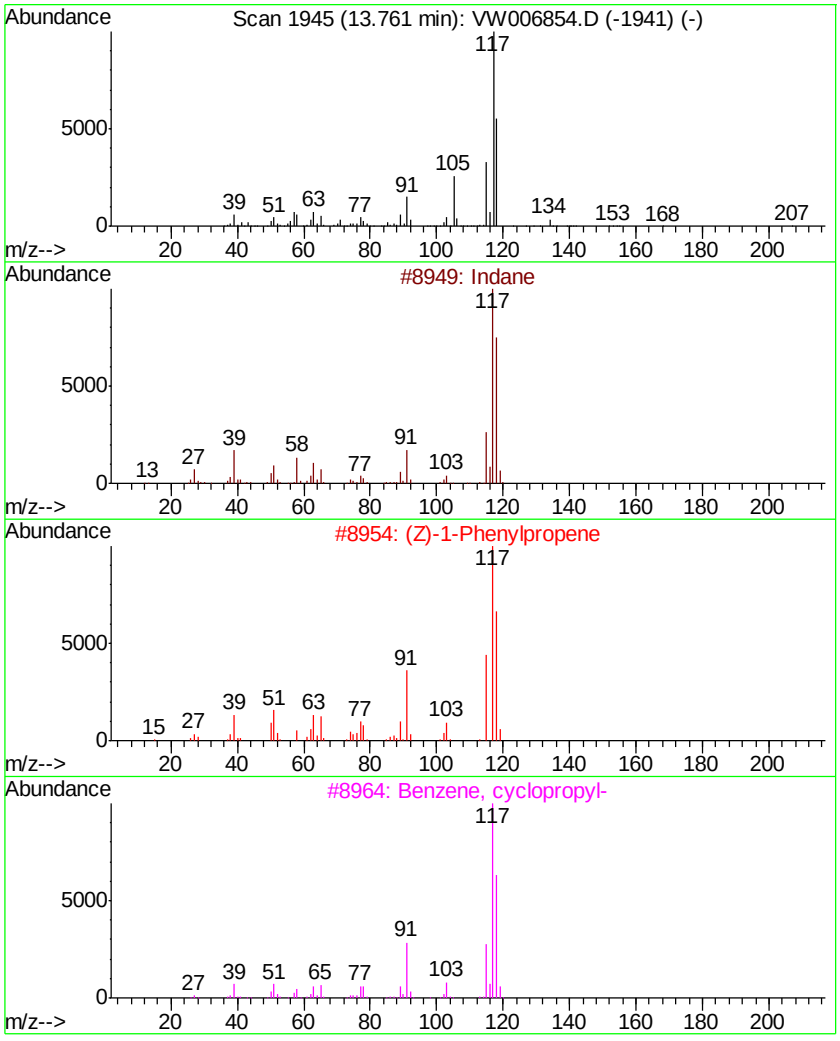
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

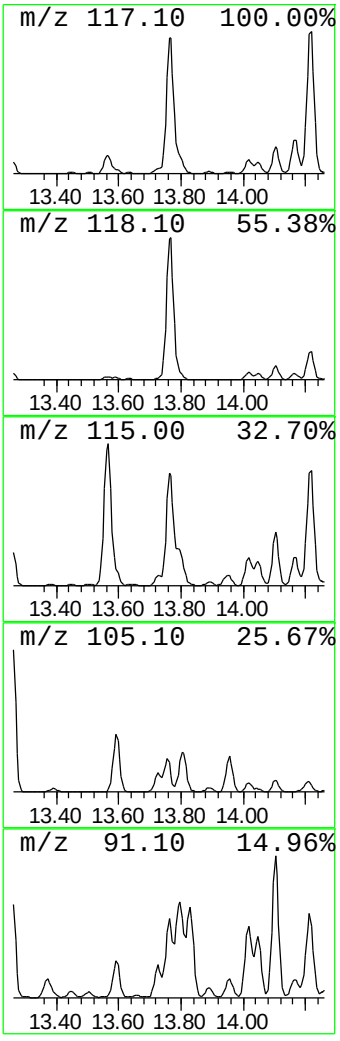
****

Peak Number 1 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	46.29 ug/l	1549330	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	70
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	70
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	62
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	53
5	Deltacyclene	118	C9H10	007785-10-6	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
Data File : VW006854.D
Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-110(14-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

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

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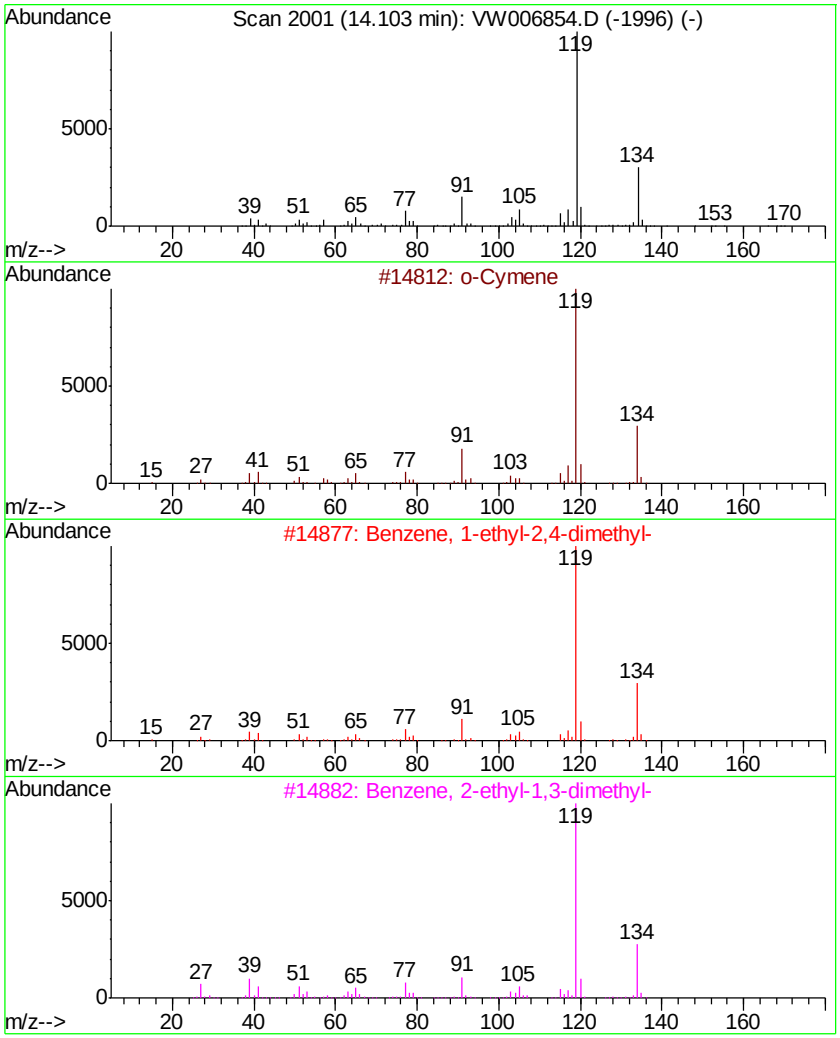
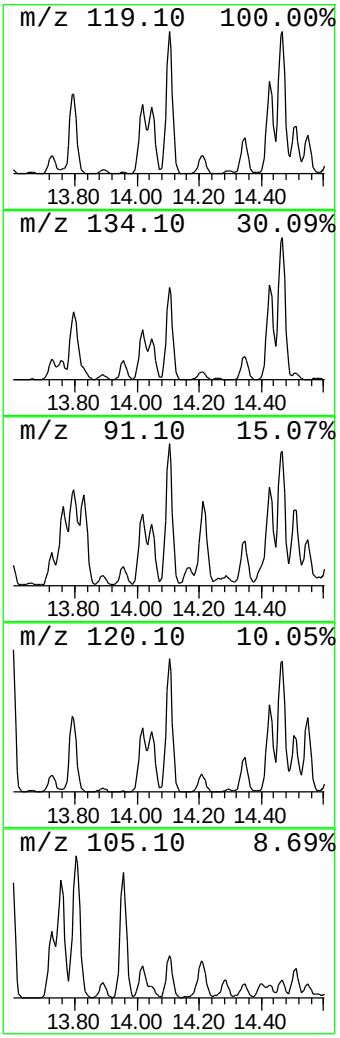
Peak Number 2 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	56.94 ug/l	1905740	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006854.D
Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-110(14-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

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

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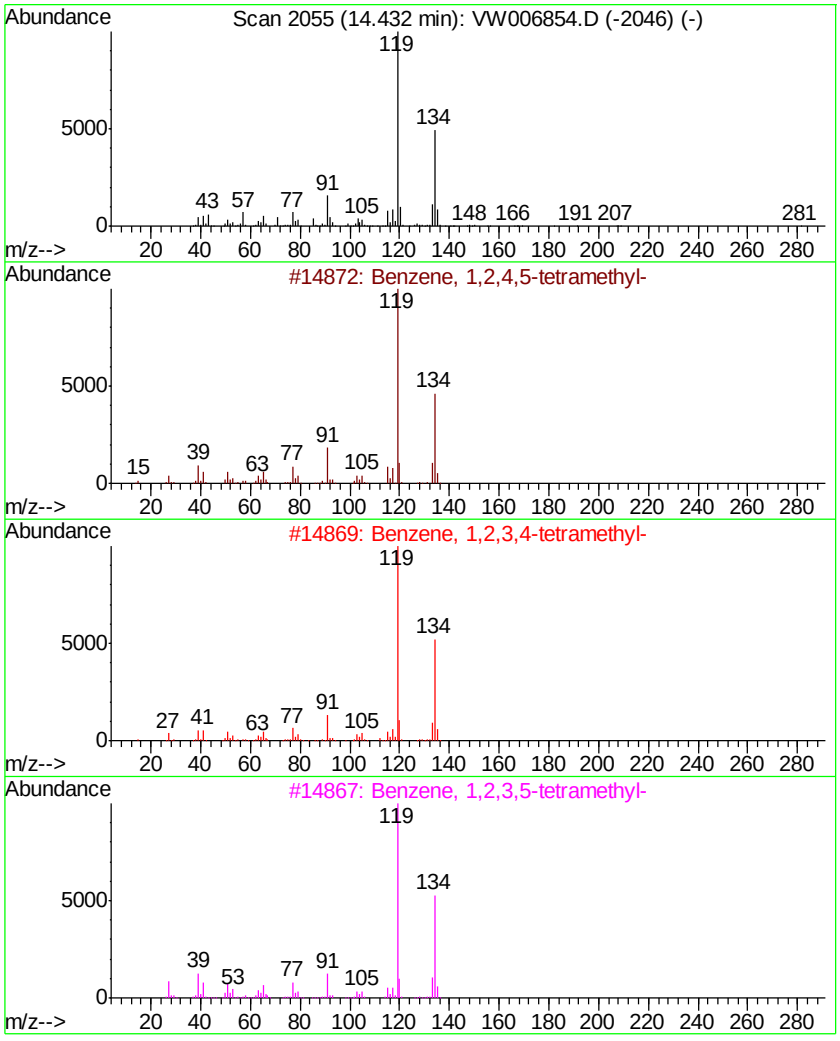
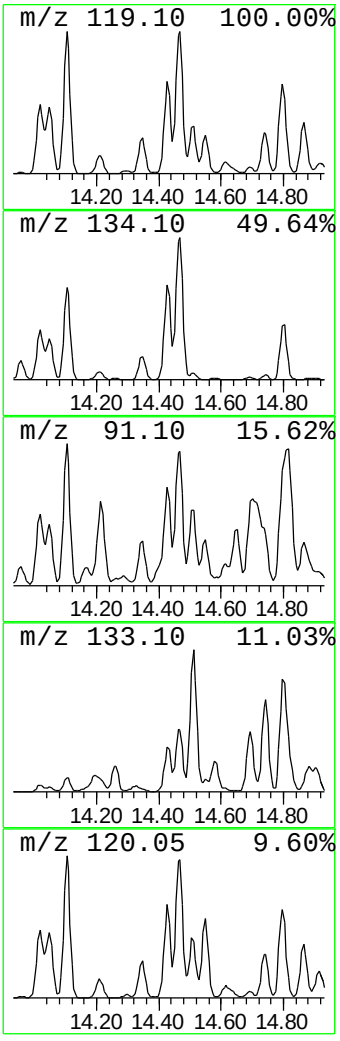
Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	49.05 ug/l	1641580	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006854.D
Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-110(14-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

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

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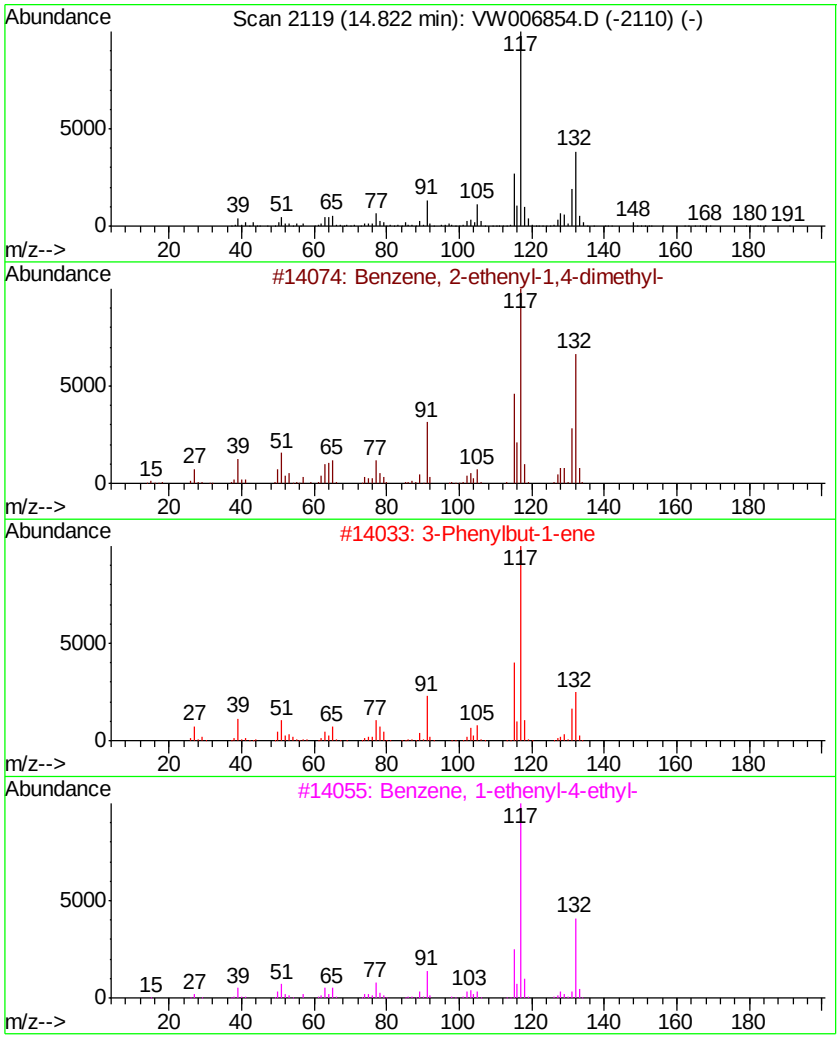
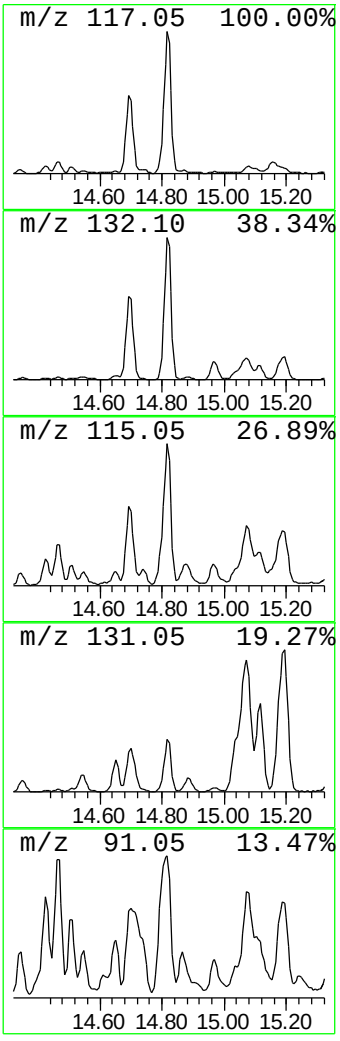
Peak Number 4 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	122.16 ug/l	4088290	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	92
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006854.D
Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-110(14-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

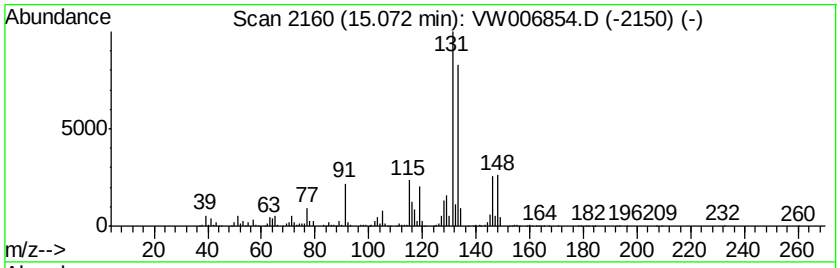
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

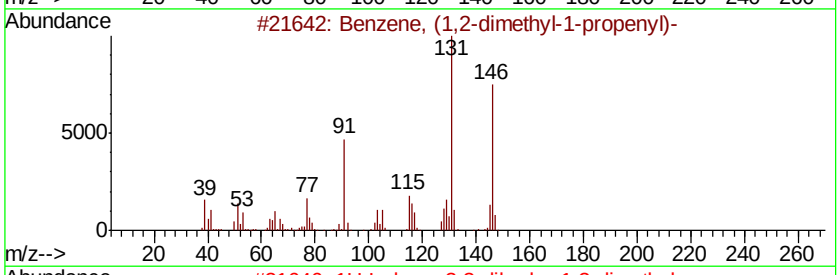
****

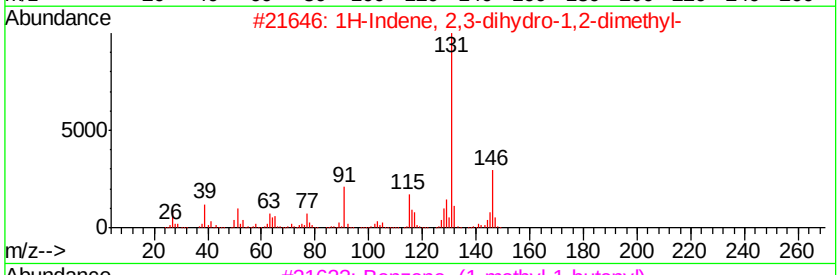
Peak Number 5 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 2

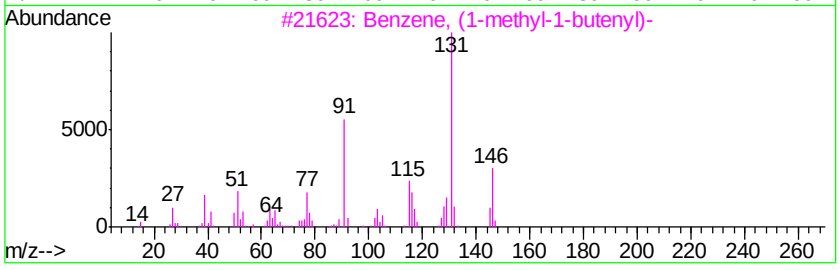
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	88.42 ug/l	2959000	1,4-Dichlorobenzene-d4	13.57

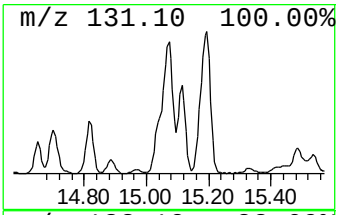
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	89
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50

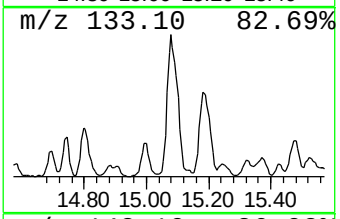


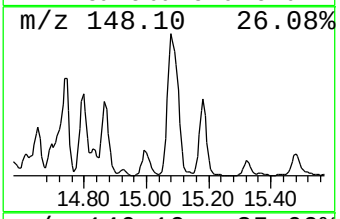


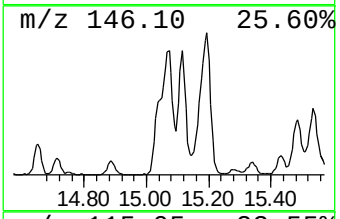


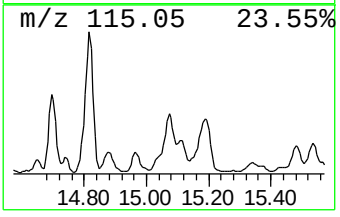












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
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Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-110(14-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

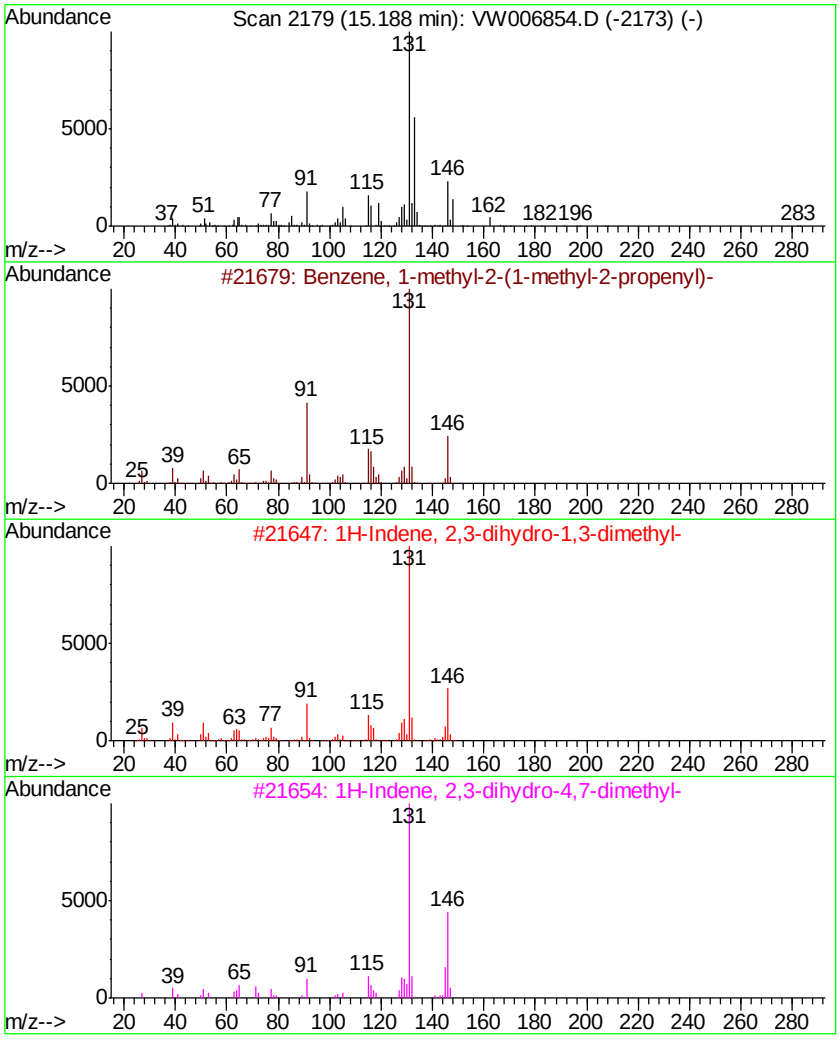
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

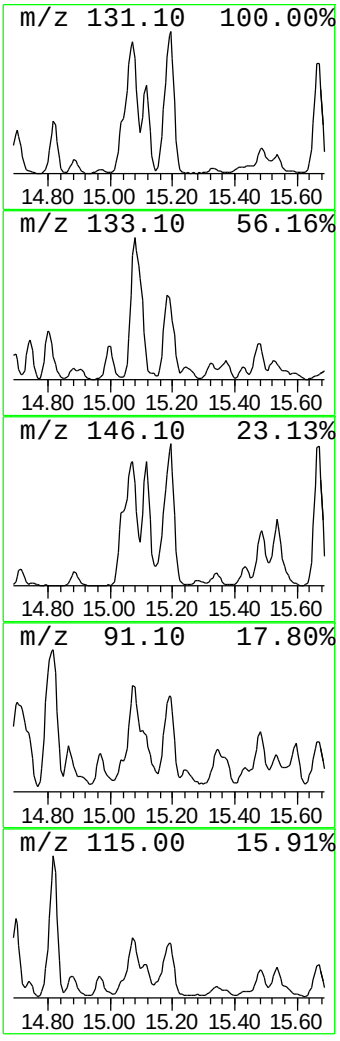
****

Peak Number 6 Benzene, 1-methyl-2-(1-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	69.44 ug/l	2323810	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	70
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
Data File : VW006854.D
Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-110(14-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

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

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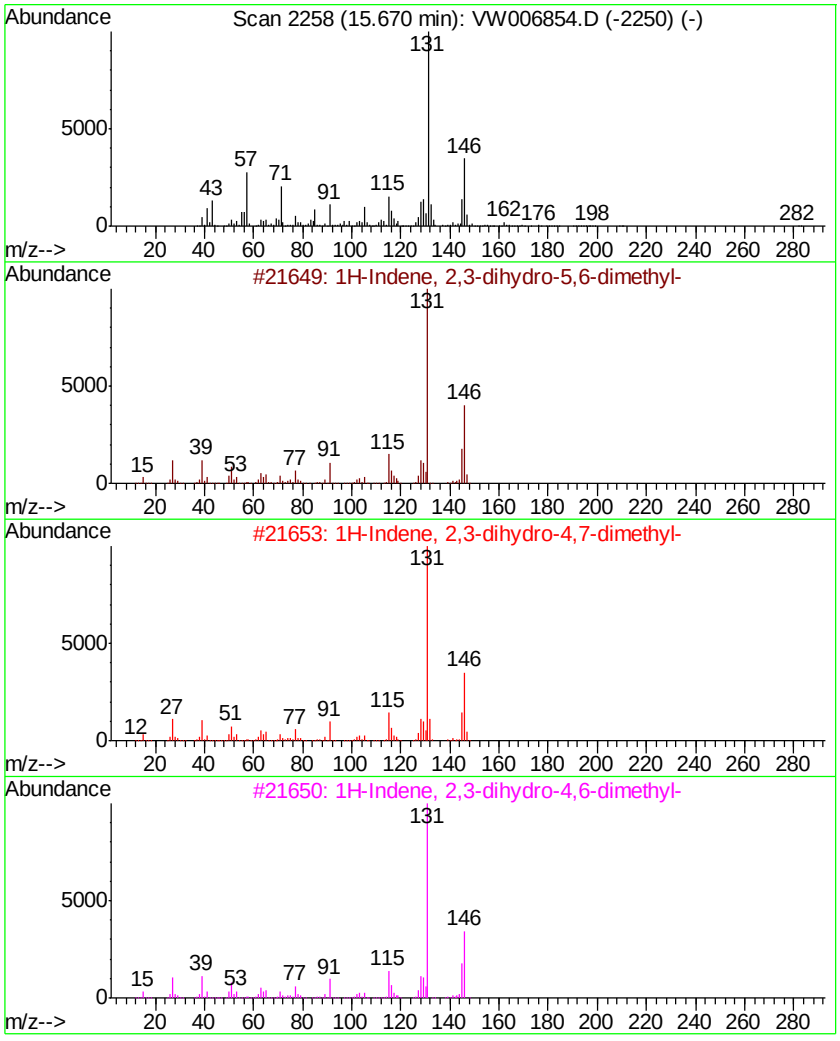
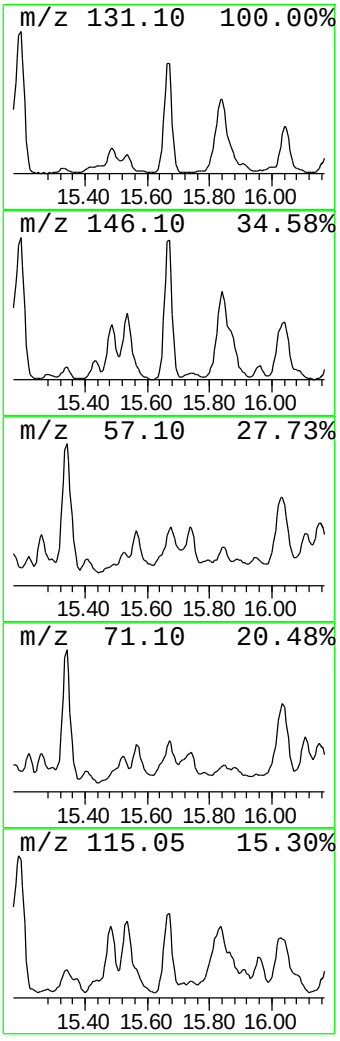
Peak Number 7 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	68.55 ug/l	2294050	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	96
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	94
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
Data File : VW006854.D
Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-110(14-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

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

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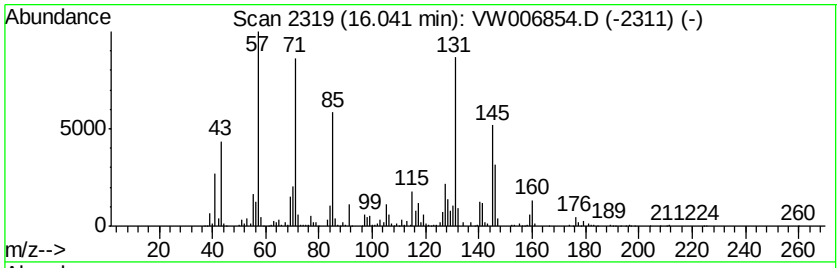
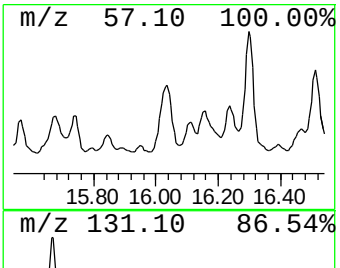
Peak Number 8 unknown16.04 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	64.22 ug/l	2149380	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	30
2	3-Octen-2-ol, 2-methyl-, (Z)-	142	C9H18O	018521-07-8	30
3	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	27
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	25
5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006854.D
Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-110(14-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260

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

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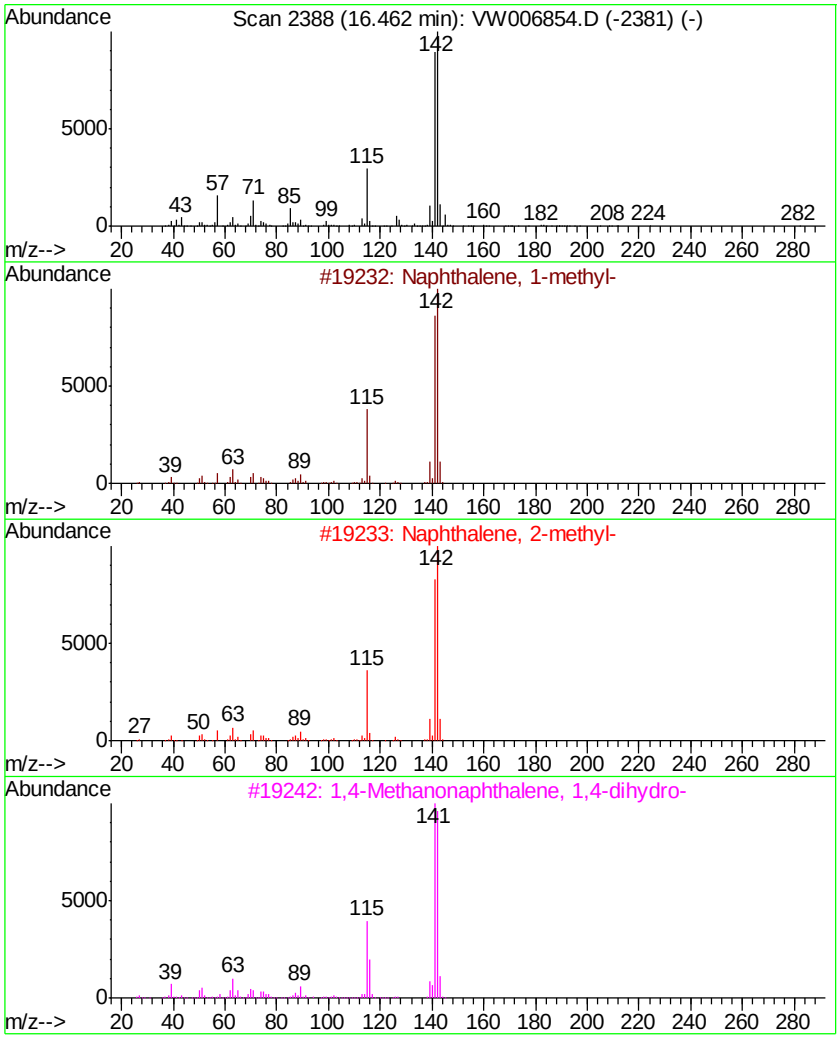
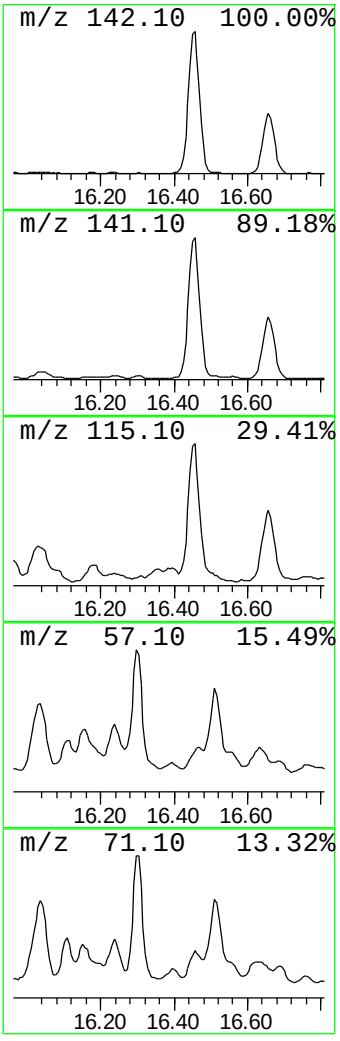
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	52.17 ug/l	1745850	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
4	Benzocycloheptatriene	142	C11H10	000264-09-5	90
5	2,5-Difluorobenzaldehyde	142	C7H4F2O	002646-90-4	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111318\
Data File : VW006854.D
Acq On : 13 Nov 2018 15:12
Operator : SY/AP
Sample : J5860-21
Misc : 5.73G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP2-SB-110(14-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.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	13.76	46.3	ug/l	1549330	4	13.57	1673340	50.0
o-Cymene	14.10	56.9	ug/l	1905740	4	13.57	1673340	50.0
Benzene, 1,2,4,5-...	14.43	49.0	ug/l	1641580	4	13.57	1673340	50.0
Benzene, 2-etheny...	14.82	122.2	ug/l	4088290	4	13.57	1673340	50.0
Benzene, (1,2-dim...	15.07	88.4	ug/l	2959000	4	13.57	1673340	50.0
Benzene, 1-methyl...	15.19	69.4	ug/l	2323810	4	13.57	1673340	50.0
1H-Indene, 2,3-di...	15.67	68.5	ug/l	2294050	4	13.57	1673340	50.0
unknown16.04	16.04	64.2	ug/l	2149380	4	13.57	1673340	50.0
Naphthalene, 1-me...	16.46	52.2	ug/l	1745850	4	13.57	1673340	50.0