LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

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\82W011719S.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	4.129	360	365	371	rVB2	6355	14847	2.71%	0.336%
2	4.916	482	494	503	rBV2	18936	68606	12.52%	1.554%
3	7.141	851	859	868	rBV2	19335	56483	10.31%	1.280%
4	7.885	970	981	986	rBV2	74052	188620	34.42%	4.273%
5	7.945	986	991	1001	rVB2	116411	257690	47.02%	5.838%
6	8.256	1035	1042	1045	rBV2	23278	60038	10.95%	1.360%
7	8.305	1045	1050	1062	rVB	73136	163054	29.75%	3.694%
8	8.842	1127	1138	1148	rBV	200505	389896	71.14%	8.833%
9	10.323	1374	1381	1387	rBV	324299	548058	100.00%	12.416%
10	10.390	1387	1392	1399	rVB	36867	67171	12.26%	1.522%
11	10.707	1439	1444	1448	rBV3	5952	10426	1.90%	0.236%
12	11.067	1498	1503	1510	rBV10	4533	8655	1.58%	0.196%
13	11.445	1560	1565	1573	rVB10	8076	19062	3.48%	0.432%
14	11.634	1586	1596	1604	rBV	260694	442382	80.72%	10.022%
15	11.731	1608	1612	1615	rBV5	4810	7436	1.36%	0.168%
16	11.841	1621	1630	1640	rBV4	20830	52970	9.67%	1.200%
17	12.170	1672	1684	1688	rBV4	11669	34949	6.38%	0.792%
18	12.384	1716	1719	1724	rVV6	3579	5852	1.07%	0.133%
19	12.621	1751	1758	1766	rVV2	206376	343797	62.73%	7.788%
20	12.804	1780	1788	1793	rBV3	4743	9996	1.82%	0.226%
21	12.871	1793	1799	1801	rBV	15352	24808	4.53%	0.562%
22	12.938	1806	1810	1816	rVB3	30075	55372	10.10%	1.254%
23	13.109	1832	1838	1845	rVB2	10880	20197	3.69%	0.458%
24	13.256	1855	1862	1866	rBV	34208	56247	10.26%	1.274%
25	13.444	1889	1893	1898	rBV4	10420	17136	3.13%	0.388%
26	13.499	1898	1902	1906	rVV7	5440	9219	1.68%	0.209%
27	13.560	1906	1912	1922	rVB	231783	391521	71.44%	8.869%
28	13.725	1931	1939	1940	rBV8	7123	10695	1.95%	0.242%
29	13.755	1940	1944	1947	rVV2	26339	45378	8.28%	1.028%
30	13.798	1947	1951	1960	rVV4	22382	52668	9.61%	1.193%
31	13.877	1960	1964	1971	rVV4	21455	39832	7.27%	0.902%
32	13.950	1973	1976	1981	rVV	11204	19483	3.55%	0.441%
33	14.018	1983	1987	1989	rVV3	11337	20142	3.68%	0.456%
34	14.042	1989	1991	1994	rVV3	15027	22239	4.06%	0.504%

LSC Area Percent Report

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Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

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\82W011719S.M
Title : SW846 8260

35	14.097	1994	2000	2006	rVV4	21690	48314	8.82%	1.094%
36	14.213	2013	2019	2024	rVB	22795	39510	7.21%	0.895%
37	14.347	2035	2041	2045	rBV4	7930	16416	3.00%	0.372%
38	14.389	2045	2048	2050	rVV3	7766	10915	1.99%	0.247%
39	14.432	2051	2055	2057	rVV4	10514	17481	3.19%	0.396%
40	14.463	2057	2060	2064	rVV	15115	19360	3.53%	0.439%
41	14.505	2064	2067	2071	rVV5	10485	12644	2.31%	0.286%
42	14.548	2071	2074	2082	rVB8	7474	11326	2.07%	0.257%
43	14.652	2087	2091	2093	rVV2	7248	11129	2.03%	0.252%
44	14.694	2093	2098	2101	rVV3	19416	35348	6.45%	0.801%
45	14.731	2101	2104	2109	rVB3	22941	35332	6.45%	0.800%
46	14.816	2109	2118	2123	rBV4	43022	100985	18.43%	2.288%
47	14.859	2123	2125	2132	rVB4	8121	13332	2.43%	0.302%
48	14.963	2137	2142	2148	rVB	31454	51345	9.37%	1.163%
49	15.072	2155	2160	2164	rBV5	11686	20792	3.79%	0.471%
50	15.188	2171	2179	2187	rVB3	18921	44388	8.10%	1.006%
51	15.255	2187	2190	2196	rVB8	3833	7513	1.37%	0.170%
52	15.334	2198	2203	2206	rBV7	8168	16188	2.95%	0.367%
53	15.432	2213	2219	2223	rBV3	16608	30293	5.53%	0.686%
54	15.481	2223	2227	2229	rBV5	9424	13508	2.46%	0.306%
55	15.560	2237	2240	2249	rVB3	18489	35545	6.49%	0.805%
56	15.664	2250	2257	2264	rBV3	15334	31724	5.79%	0.719%
57	15.834	2278	2285	2287	rBV5	9401	20024	3.65%	0.454%
58	15.877	2287	2292	2298	rVB2	32013	61449	11.21%	1.392%
59	16.042	2311	2319	2324	rBV10	7064	18812	3.43%	0.426%
60	16.188	2333	2343	2357	rBV9	19395	59094	10.78%	1.339%
61	16.383	2368	2375	2381	rBV4	14563	36027	6.57%	0.816%
62	16.450	2381	2386	2391	rVV6	10305	23155	4.22%	0.525%
63	16.499	2392	2394	2402	rVB7	7796	13400	2.44%	0.304%
64	16.663	2412	2421	2425	rBV7	9166	23986	4.38%	0.543%

Sum of corrected areas: 4414260

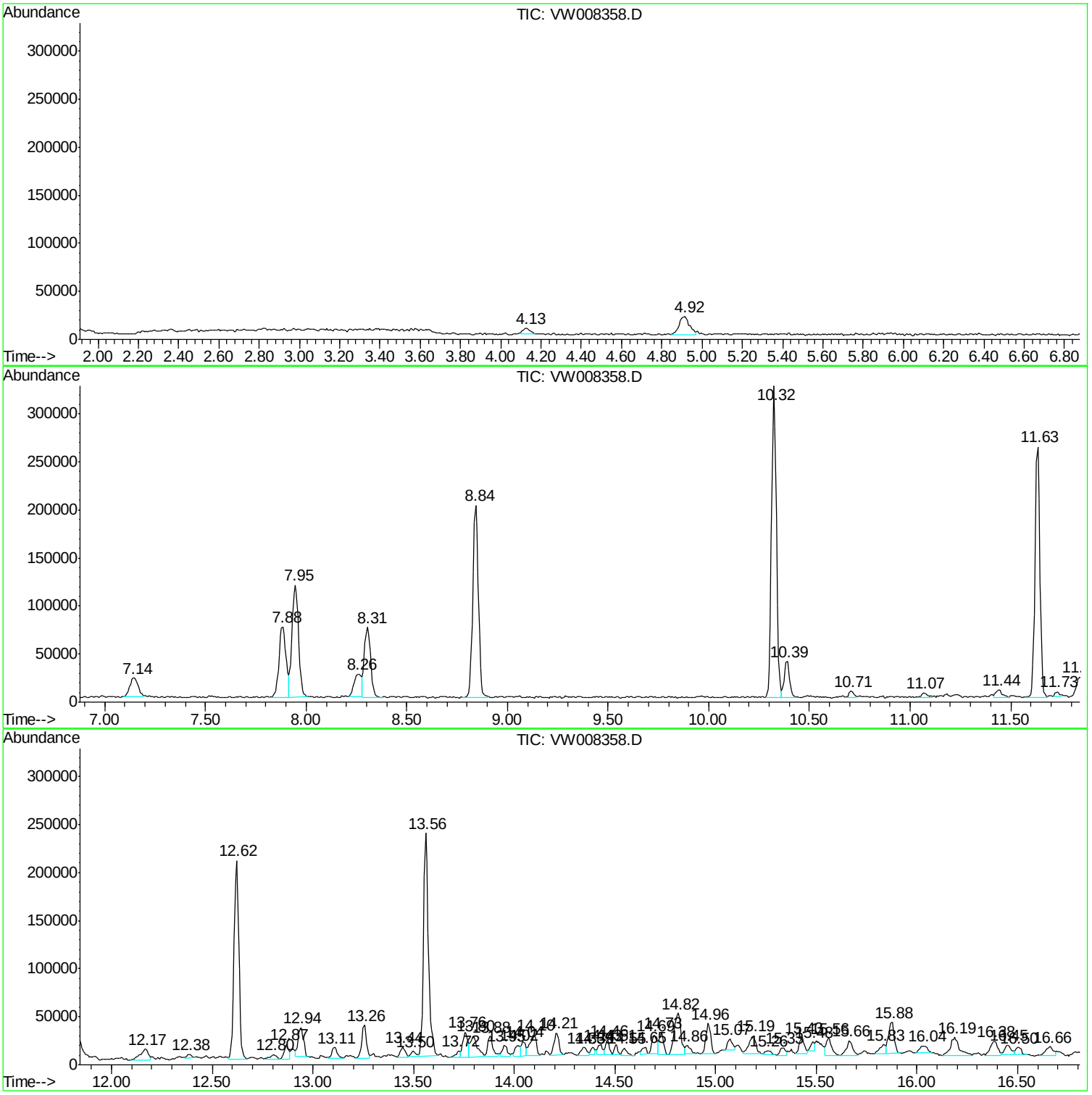
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260

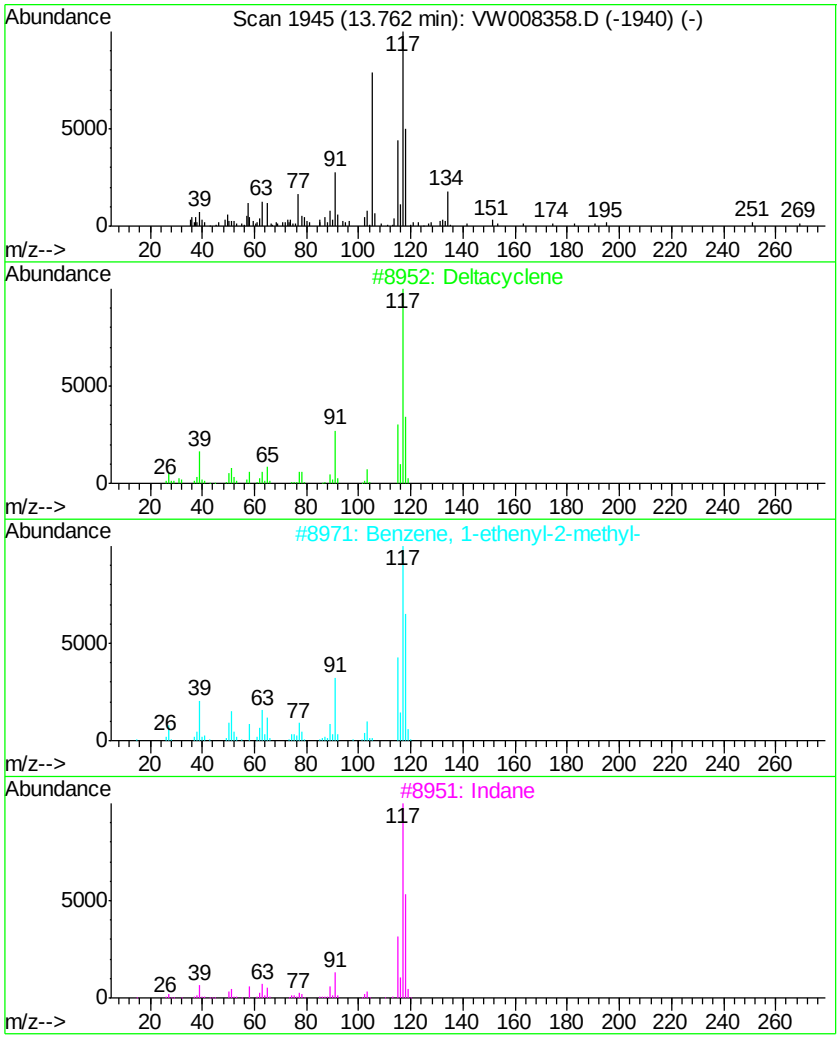
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

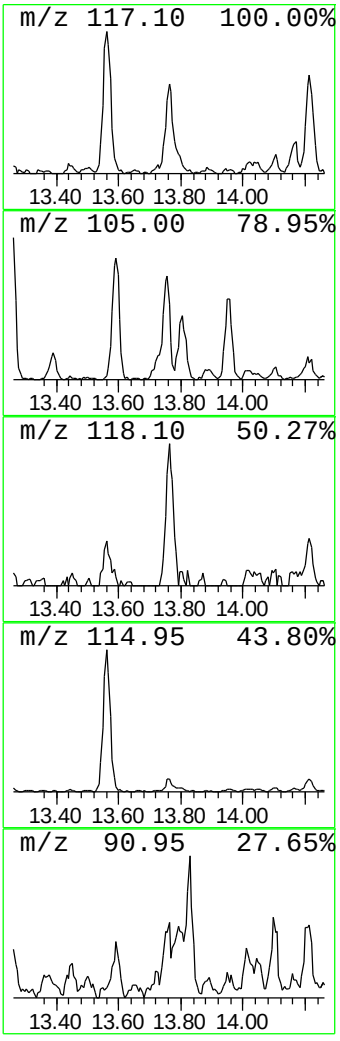
****

Peak Number 2 unknown13.76 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	5.80 ug/l	45378	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Deltacyclene	118	C9H10	007785-10-6	43
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	43
3	Indane	118	C9H10	000496-11-7	41
4	2-Tolyloxirane	134	C9H10O	002783-26-8	38
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260

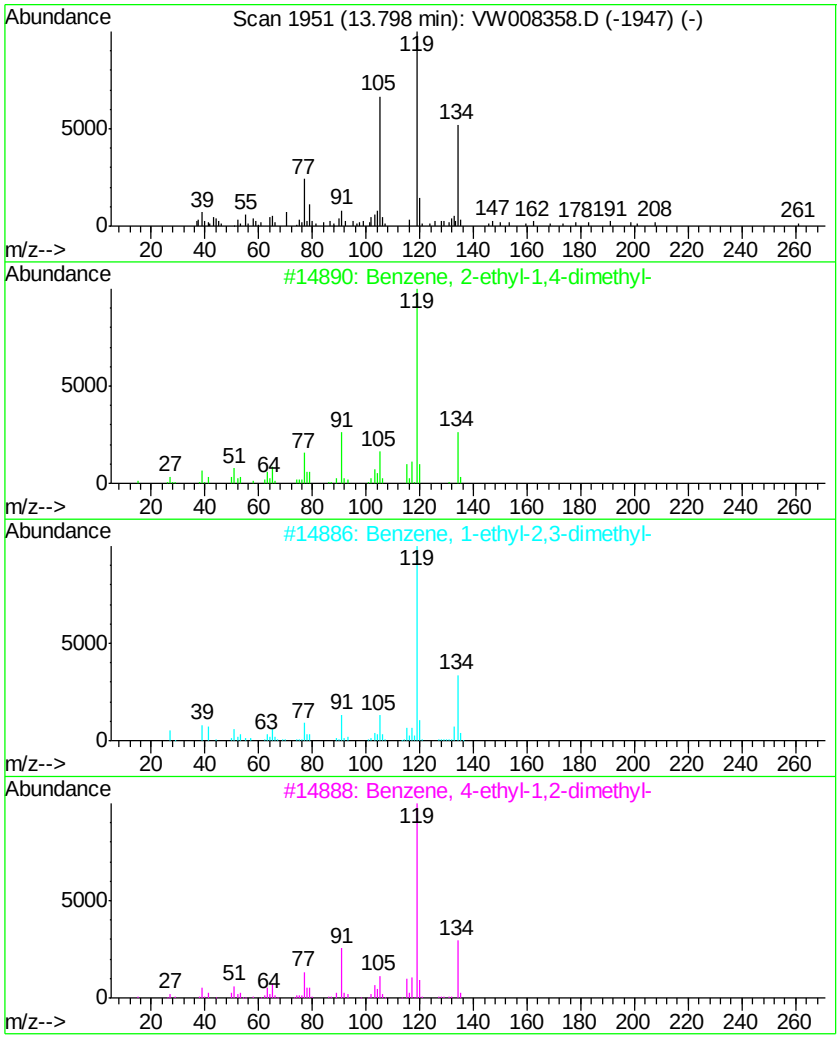
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

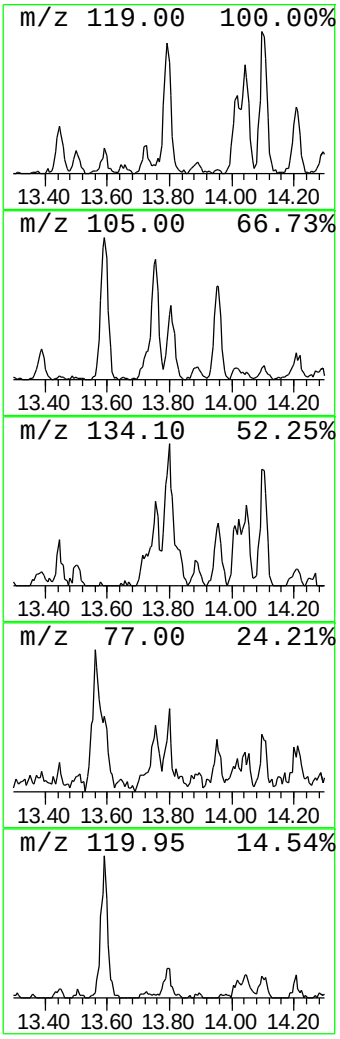
****

Peak Number 3 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	6.73 ug/l	52668	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	86
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	72
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	72
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260

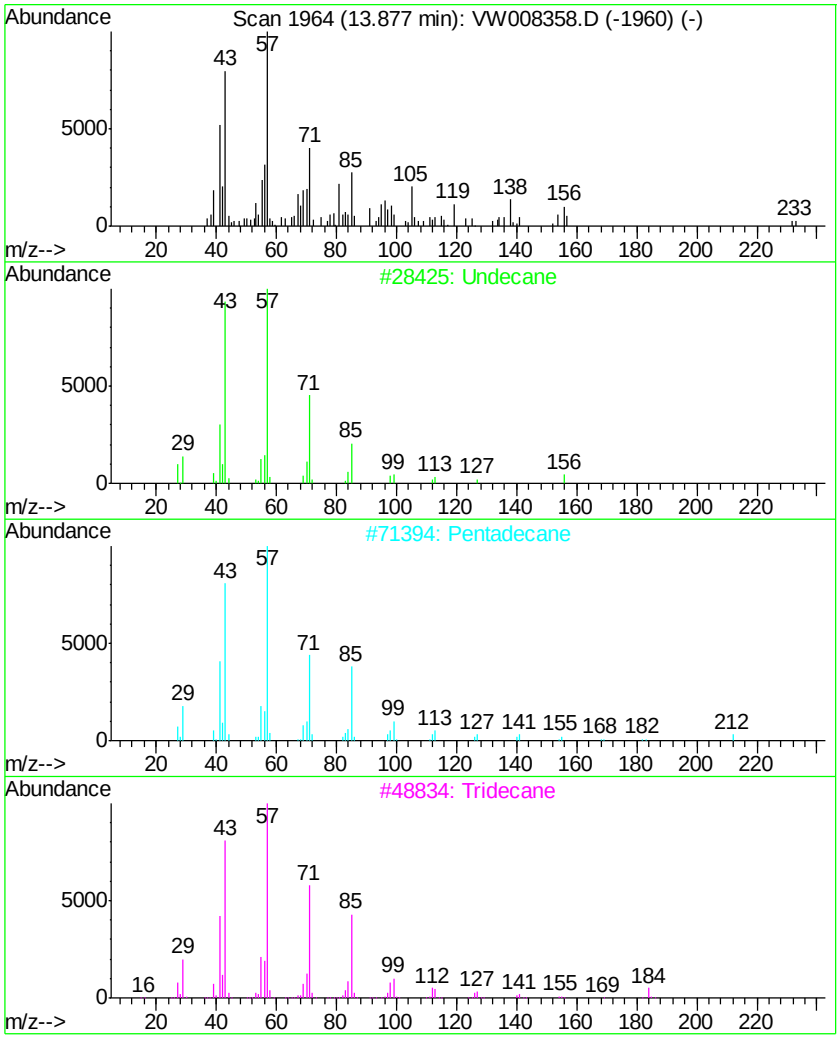
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

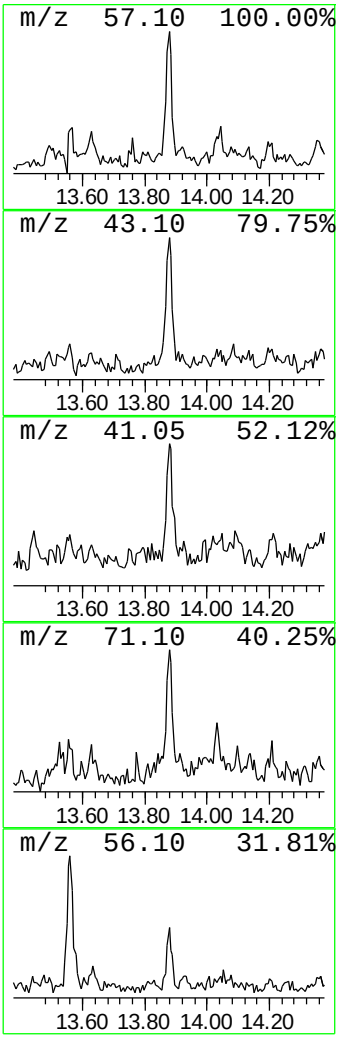
****

Peak Number 4 unknown13.88 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	5.09 ug/l	39832	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	47
2	Pentadecane	212	C15H32	000629-62-9	38
3	Tridecane	184	C13H28	000629-50-5	38
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	38
5	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

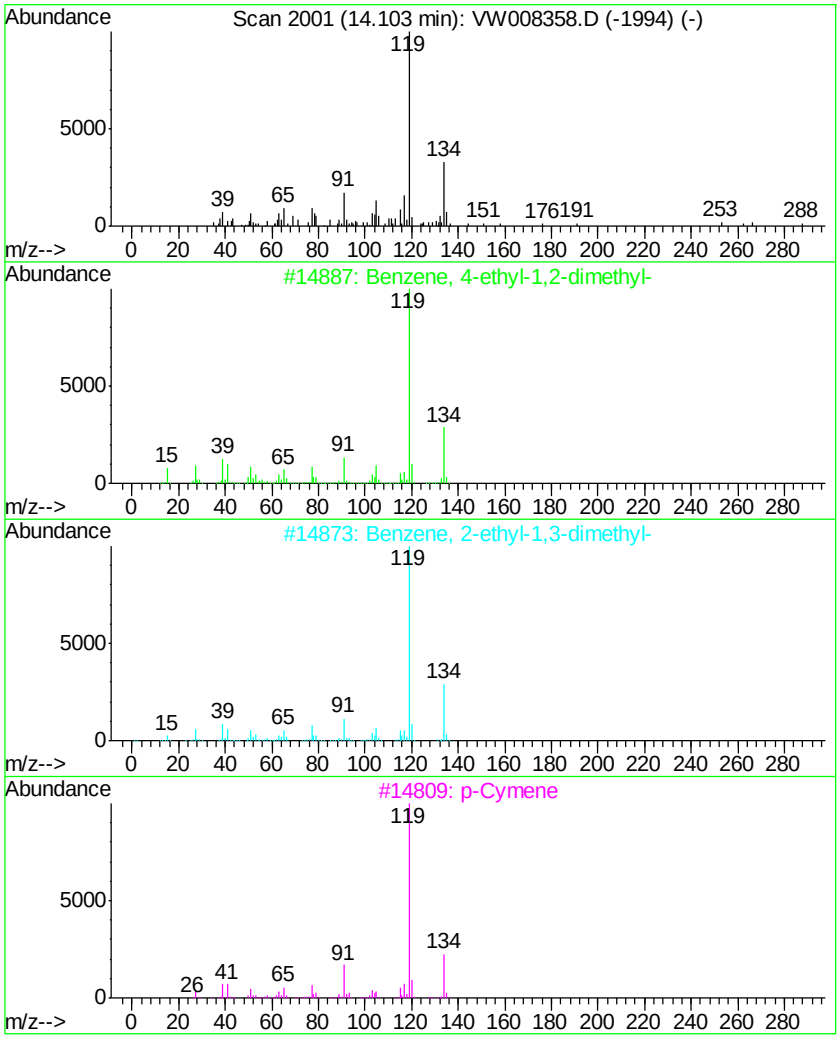
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260

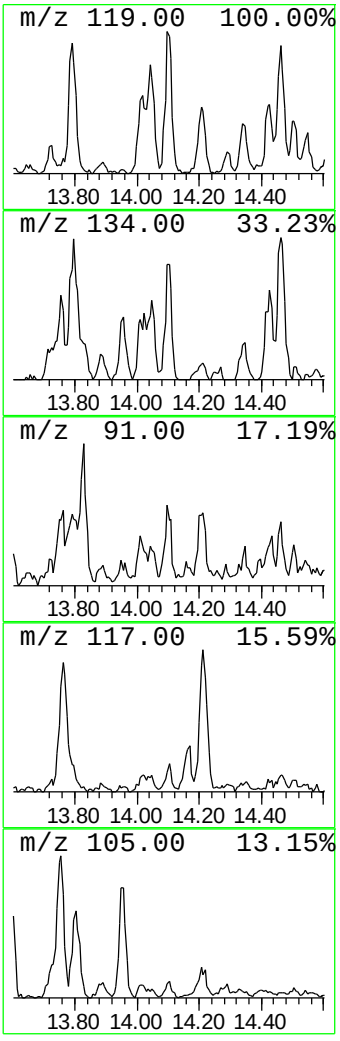
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	6.17 ug/l	48314	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	81
3	p-Cymene	134	C10H14	000099-87-6	81
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
5	o-Cymene	134	C10H14	000527-84-4	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260

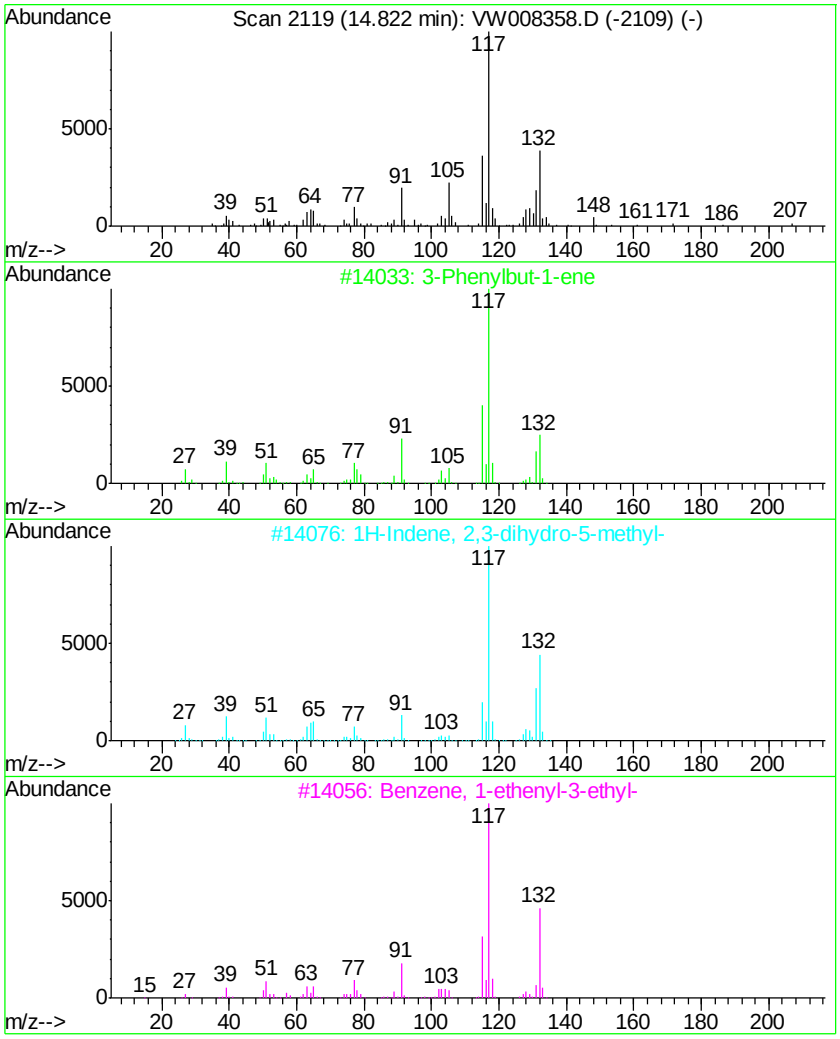
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

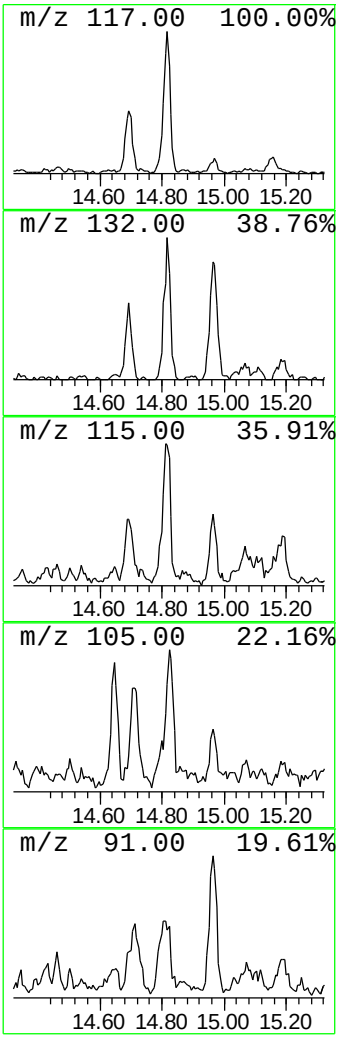
****

Peak Number 6 3-Phenylbut-1-ene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	12.90 ug/l	100985	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260

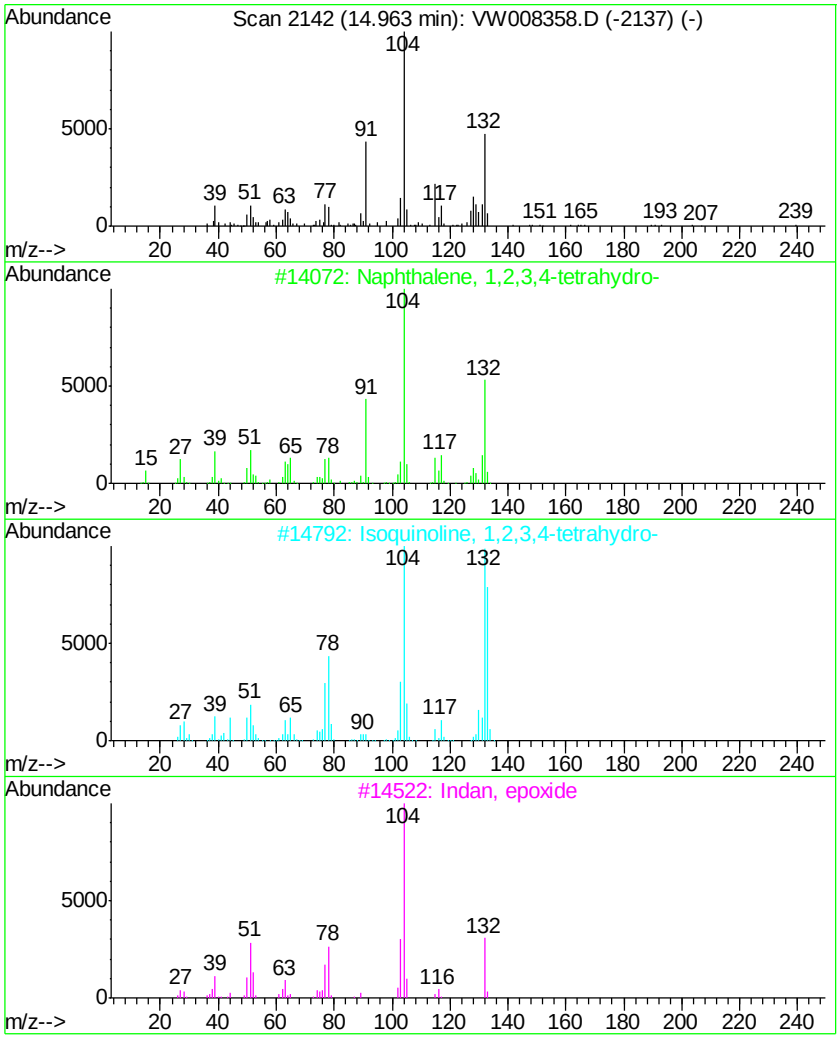
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

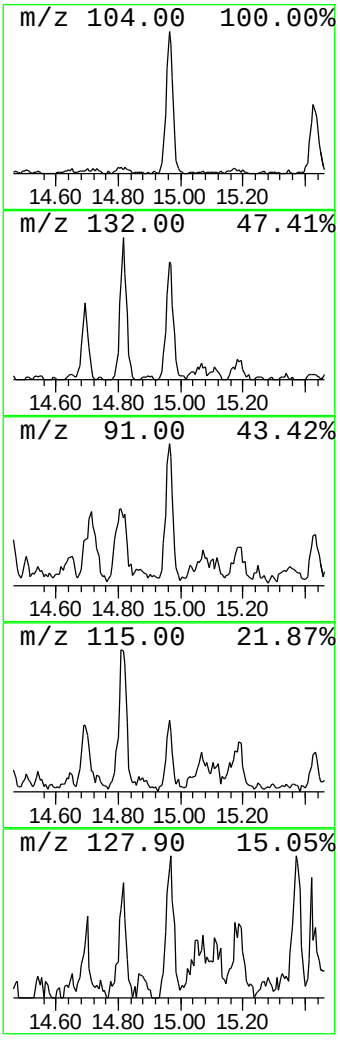
****

Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	6.56 ug/l	51345	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
2	Isoquinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000091-21-4	53
3	Indan, epoxide	132	C9H8O	000768-22-9	53
4	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	49
5	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260

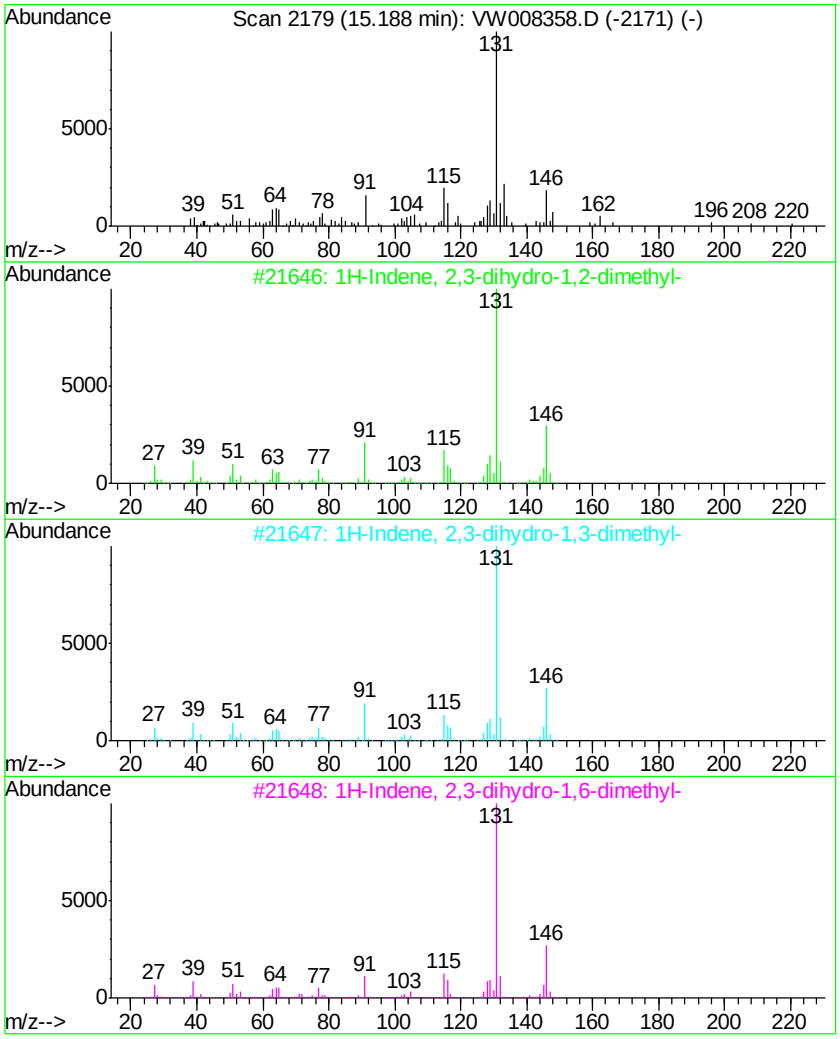
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

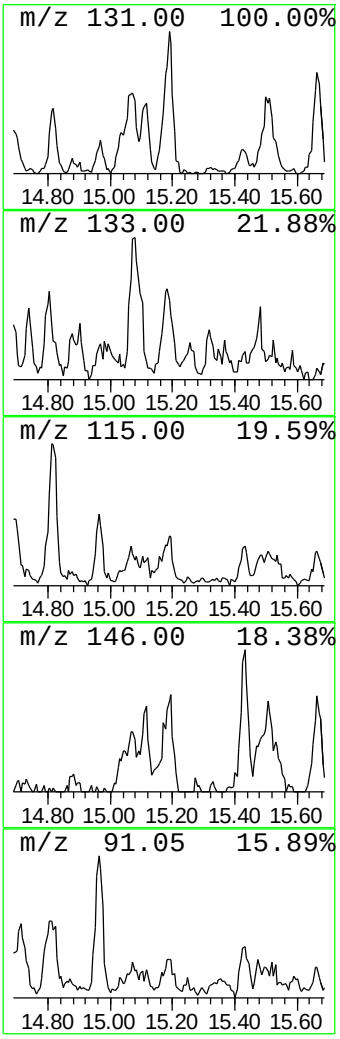
****

Peak Number 8 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.67 ug/l	44388	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260

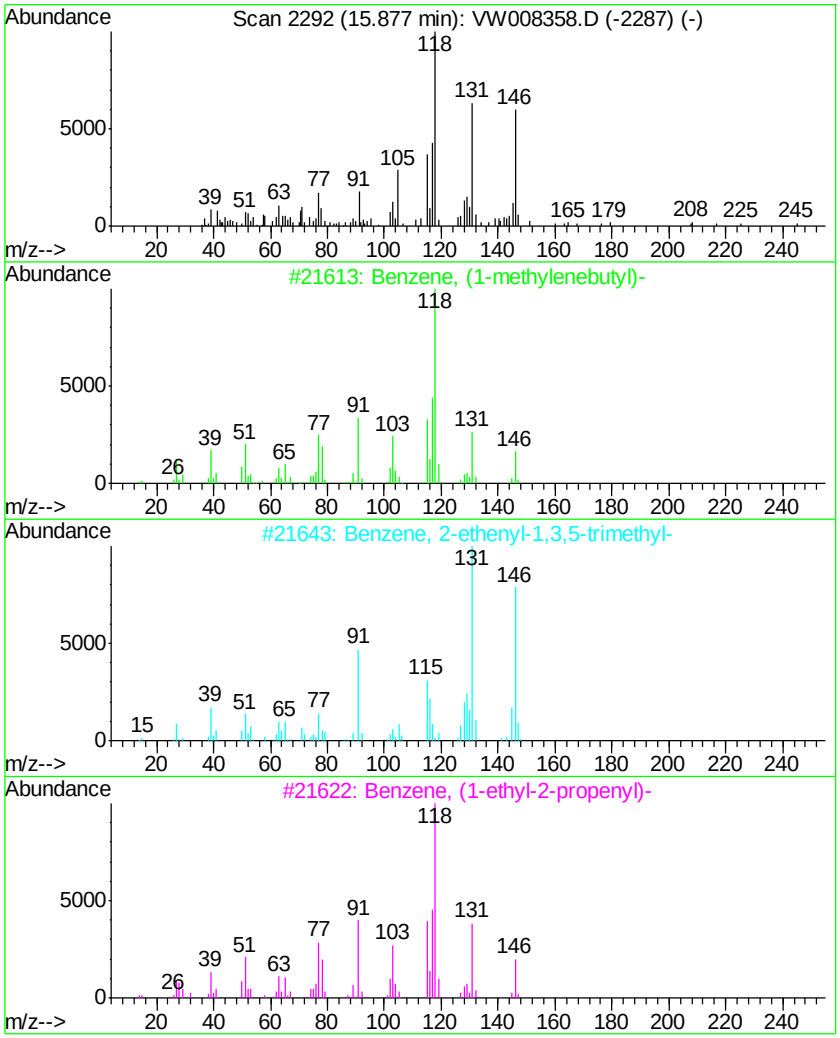
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

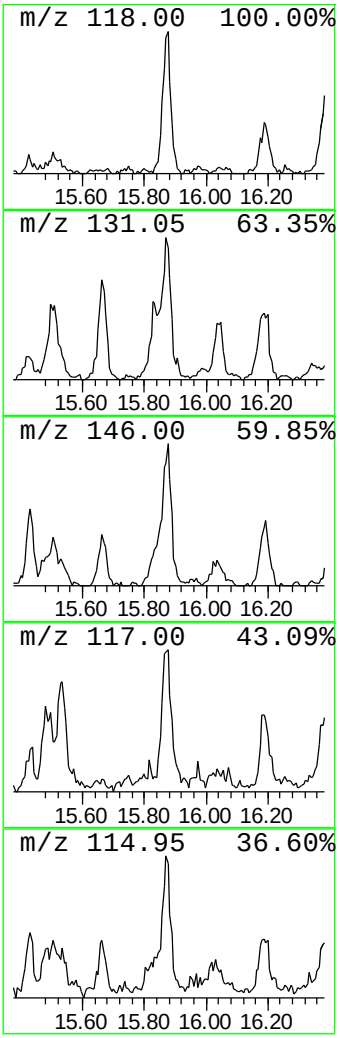
****

Peak Number 9 Benzene, (1-methylenebutyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	7.85 ug/l	61449	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	91
2	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	86
3	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	83
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

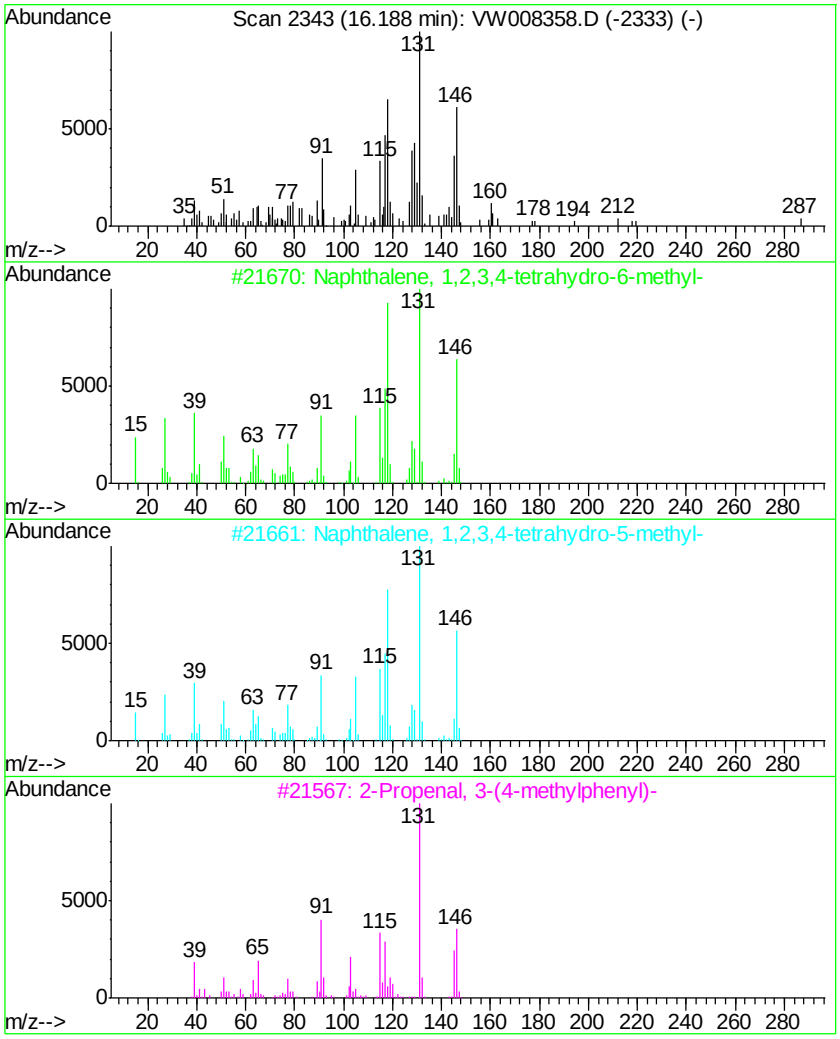
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260

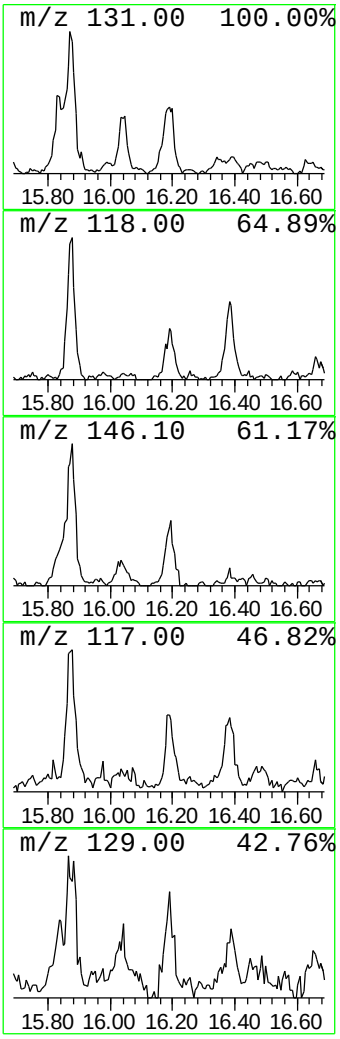
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	7.55 ug/l	59094	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	70
3	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	45
4	1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	055255-94-2	42
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011819\
Data File : VW008358.D
Acq On : 18 Jan 2019 16:09
Operator : SY/VA
Sample : K1015-09
Misc : 5.93G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-01-011719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.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
unknown13.76	13.76	5.8	ug/l	45378	4	13.56	391521	50.0
Benzene, 2-ethyl-...	13.80	6.7	ug/l	52668	4	13.56	391521	50.0
unknown13.88	13.88	5.1	ug/l	39832	4	13.56	391521	50.0
Benzene, 4-ethyl-...	14.10	6.2	ug/l	48314	4	13.56	391521	50.0
3-Phenylbut-1-ene	14.82	12.9	ug/l	100985	4	13.56	391521	50.0
Naphthalene, 1,2,...	14.96	6.6	ug/l	51345	4	13.56	391521	50.0
1H-Indene, 2,3-di...	15.19	5.7	ug/l	44388	4	13.56	391521	50.0
Benzene, (1-methy...	15.88	7.8	ug/l	61449	4	13.56	391521	50.0
Naphthalene, 1,2,...	16.19	7.5	ug/l	59094	4	13.56	391521	50.0