LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

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\82W021319S.M
Title : SW846 8260

Signal : TIC: VW008653.D

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.952	6	8	20	rVB2	10285	22198	1.07%	0.122%
2	2.227	43	53	55	rBV8	9051	27109	1.30%	0.149%
3	4.123	356	364	371	rBV	18530	45342	2.18%	0.248%
4	4.909	479	493	508	rBV3	43106	179746	8.62%	0.985%
5	5.927	647	660	673	rVB6	9900	35265	1.69%	0.193%
6	7.141	847	859	871	rBV2	69464	205078	9.84%	1.124%
7	7.878	970	980	985	rBV	295157	686332	32.93%	3.761%
8	7.945	985	991	1004	rVB	552765	1226874	58.87%	6.724%
9	8.256	1031	1042	1044	rBV2	74834	169728	8.14%	0.930%
10	8.299	1044	1049	1059	rVB	288188	657944	31.57%	3.606%
11	8.841	1129	1138	1149	rVB	763023	1523771	73.11%	8.351%
12	10.323	1372	1381	1388	rBV	1191190	2084097	100.00%	11.421%
13	10.384	1388	1391	1399	rVB2	14493	29856	1.43%	0.164%
14	10.707	1438	1444	1449	rVB	26087	49421	2.37%	0.271%
15	11.067	1498	1503	1509	rBV	13821	30122	1.45%	0.165%
16	11.445	1560	1565	1571	rVB2	19654	35895	1.72%	0.197%
17	11.628	1588	1595	1604	rVB	1006505	1709860	82.04%	9.370%
18	12.621	1750	1758	1765	rBV2	863922	1495568	71.76%	8.196%
19	12.871	1791	1799	1802	rBV5	15701	35239	1.69%	0.193%
20	12.944	1806	1811	1817	rVB8	18950	39692	1.90%	0.218%
21	13.109	1833	1838	1842	rVB2	14838	25474	1.22%	0.140%
22	13.249	1857	1861	1865	rBV	23564	34959	1.68%	0.192%
23	13.450	1889	1894	1897	rBV5	13308	27060	1.30%	0.148%
24	13.560	1905	1912	1924	rVB	1009216	1610728	77.29%	8.827%
25	13.755	1940	1944	1947	rBV2	57697	81749	3.92%	0.448%
26	13.792	1947	1950	1960	rVB4	60426	127683	6.13%	0.700%
27	13.883	1960	1965	1970	rBV7	29137	50881	2.44%	0.279%
28	13.950	1972	1976	1981	rBV	35671	57106	2.74%	0.313%
29	14.011	1983	1986	1989	rVV	32981	54589	2.62%	0.299%
30	14.042	1989	1991	1994	rVV	43420	62767	3.01%	0.344%
31	14.097	1994	2000	2006	rVB2	81867	181231	8.70%	0.993%
32	14.206	2013	2018	2023	rBV	91856	148703	7.14%	0.815%
33	14.340	2036	2040	2044	rBV2	36755	57976	2.78%	0.318%
34	14.389	2044	2048	2050	rBV5	21184	30525	1.46%	0.167%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

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\82W021319S.M
Title : SW846 8260

35	14.426	2050	2054	2057	rVV2	39995	54331	2.61%	0.298%
36	14.462	2057	2060	2064	rVB	89274	114483	5.49%	0.627%
37	14.505	2064	2067	2070	rBV3	56932	68982	3.31%	0.378%
38	14.542	2070	2073	2081	rVB3	37086	63012	3.02%	0.345%
39	14.645	2081	2090	2093	rBV2	67255	122189	5.86%	0.670%
40	14.694	2093	2098	2102	rBV2	145873	265297	12.73%	1.454%
41	14.810	2110	2117	2123	rBV3	297326	711111	34.12%	3.897%
42	14.859	2123	2125	2132	rVB3	46934	79563	3.82%	0.436%
43	14.962	2137	2142	2149	rVB	223618	368061	17.66%	2.017%
44	15.035	2149	2154	2155	rBV2	45564	61503	2.95%	0.337%
45	15.072	2155	2160	2163	rBV2	96507	163345	7.84%	0.895%
46	15.188	2172	2179	2185	rVB3	146470	334423	16.05%	1.833%
47	15.340	2198	2204	2206	rBV7	35611	69959	3.36%	0.383%
48	15.426	2213	2218	2223	rBV	151924	268232	12.87%	1.470%
49	15.480	2223	2227	2229	rBV4	78930	127523	6.12%	0.699%
50	15.663	2249	2257	2264	rBV4	129016	282409	13.55%	1.548%
51	15.743	2266	2270	2274	rVV4	20063	35190	1.69%	0.193%
52	15.828	2278	2284	2286	rVV5	87849	175664	8.43%	0.963%
53	15.871	2286	2291	2300	rVB	313974	623607	29.92%	3.418%
54	15.956	2301	2305	2311	rBV3	35632	69864	3.35%	0.383%
55	16.035	2311	2318	2324	rVV4	63154	145632	6.99%	0.798%
56	16.182	2333	2342	2352	rBV	163402	395252	18.97%	2.166%
57	16.383	2365	2375	2381	rBV3	155856	380933	18.28%	2.088%
58	16.450	2381	2386	2399	rVB5	95792	257033	12.33%	1.409%
59	16.657	2412	2420	2425	rBV7	60230	169211	8.12%	0.927%

Sum of corrected areas: 18247377

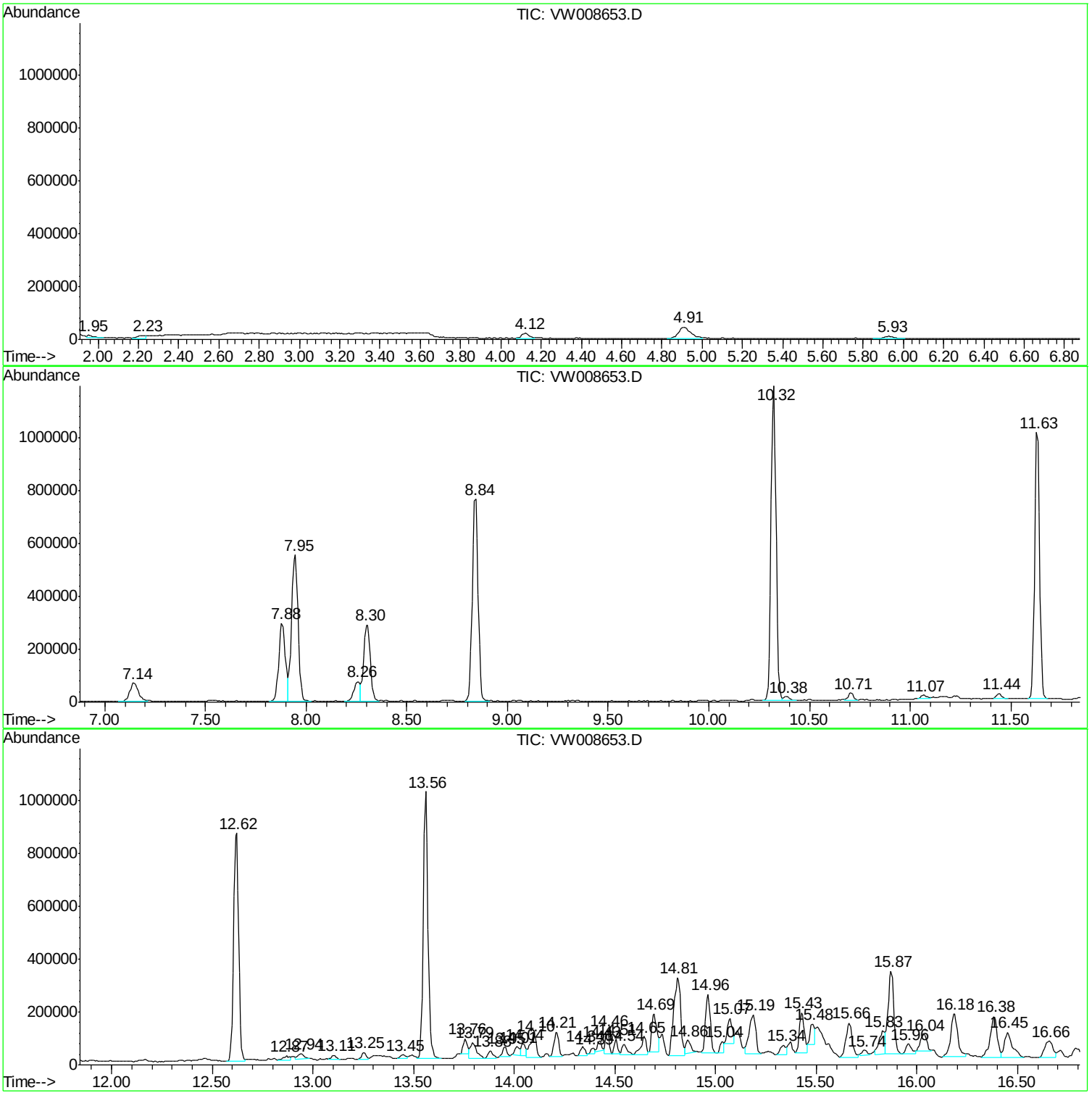
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.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\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

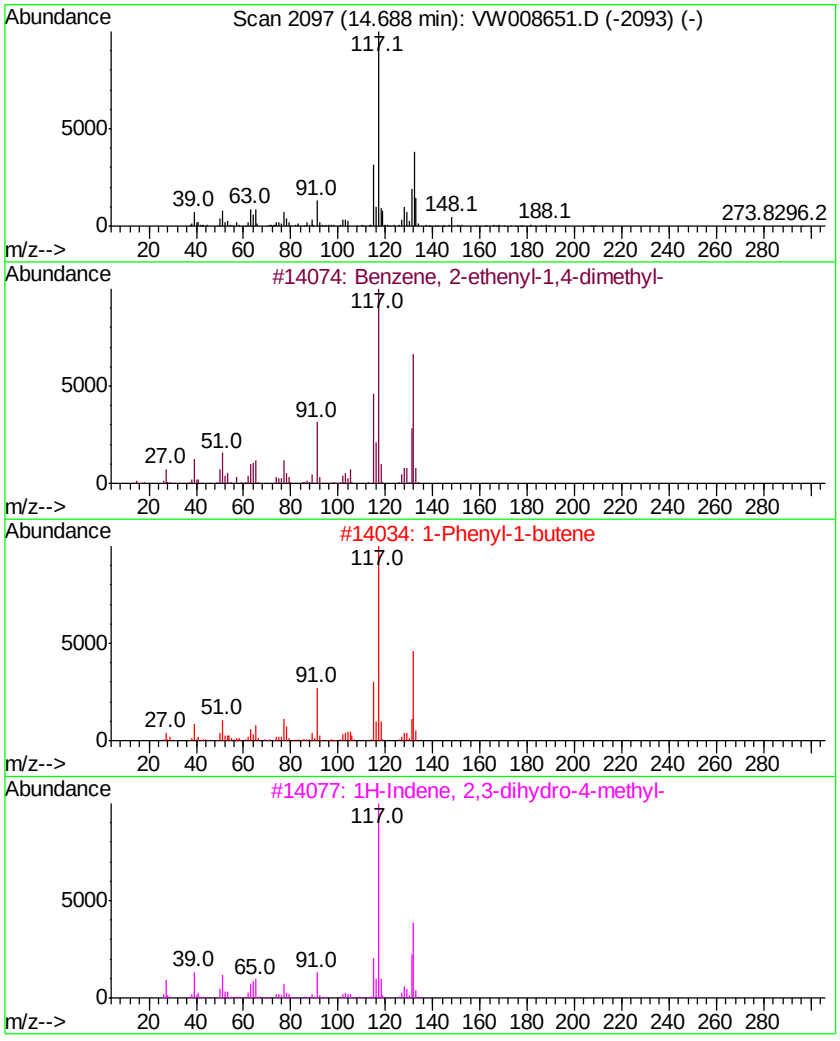
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260

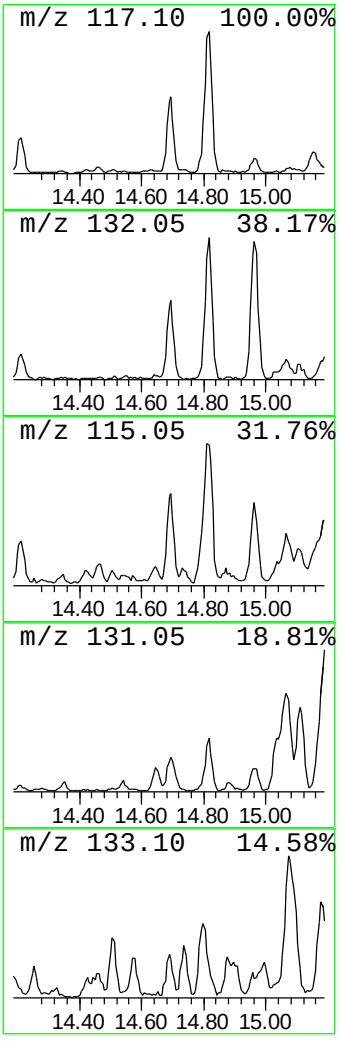
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	8.24 ug/l	265297	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260

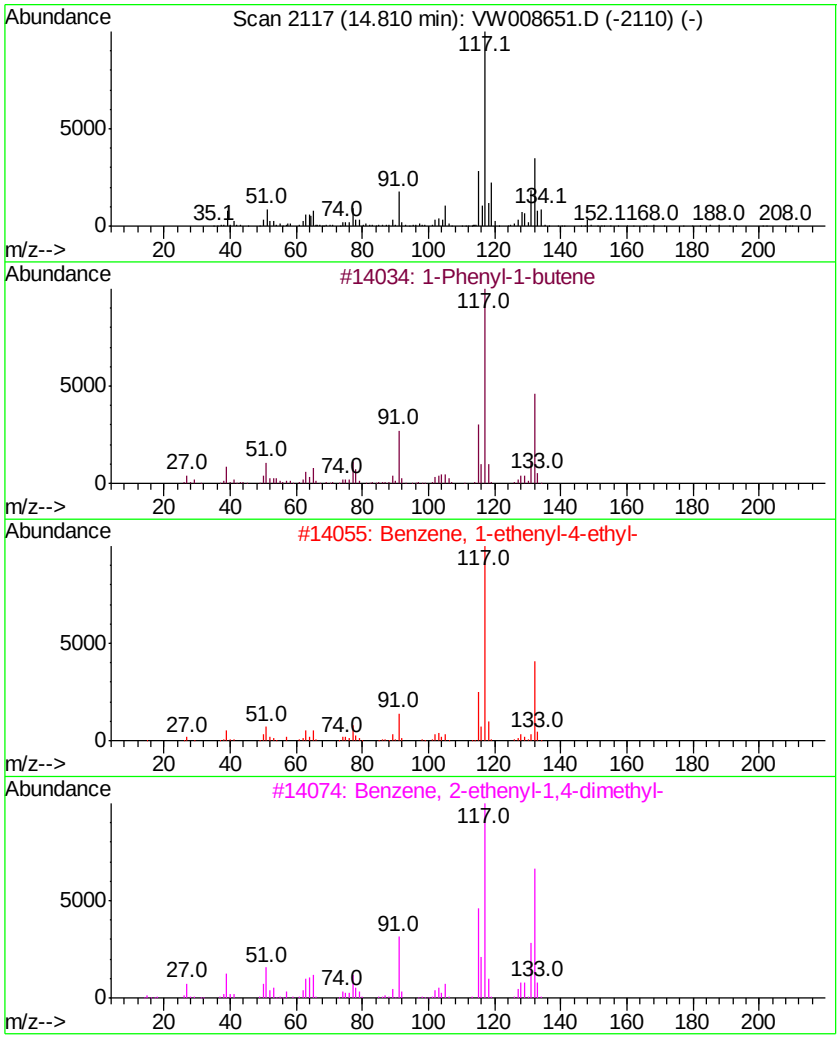
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

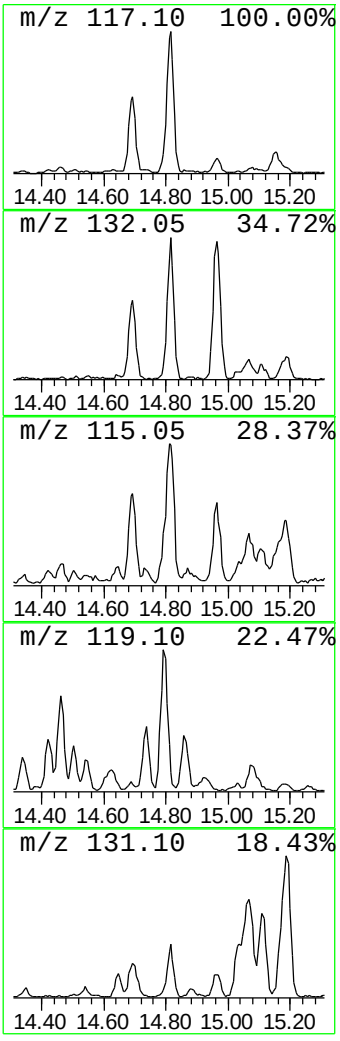
****

Peak Number 3 1-Phenyl-1-butene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	22.07 ug/l	711111	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260

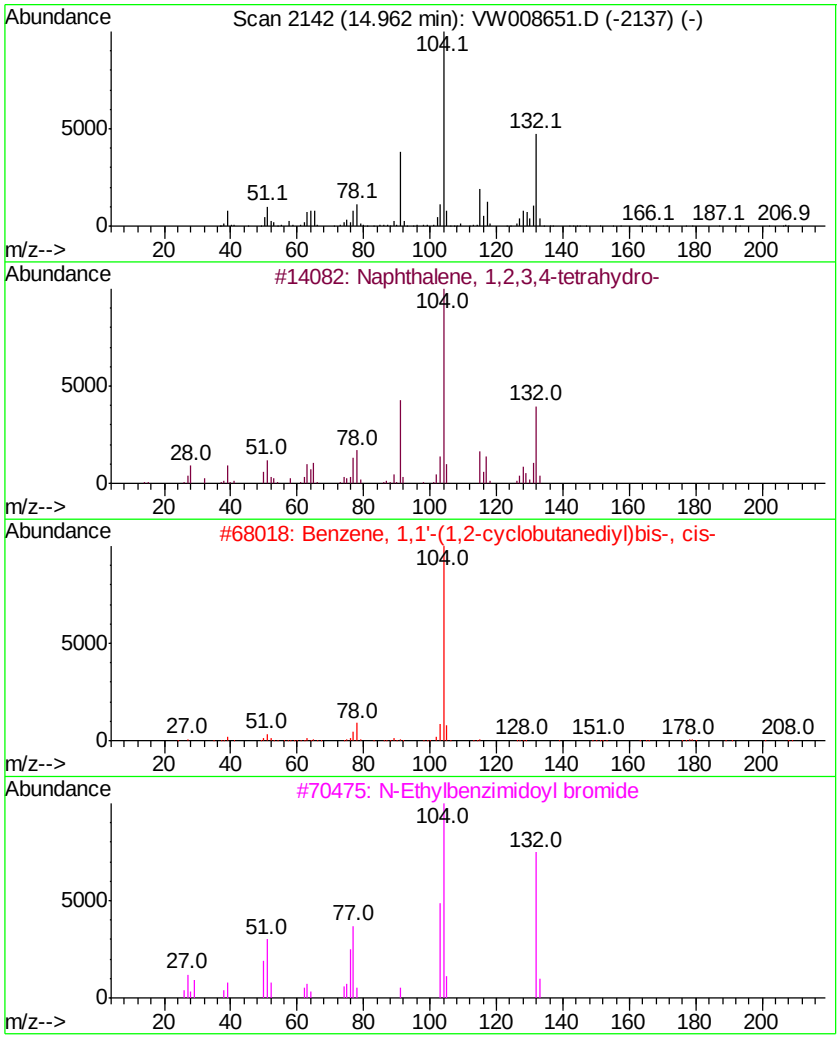
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

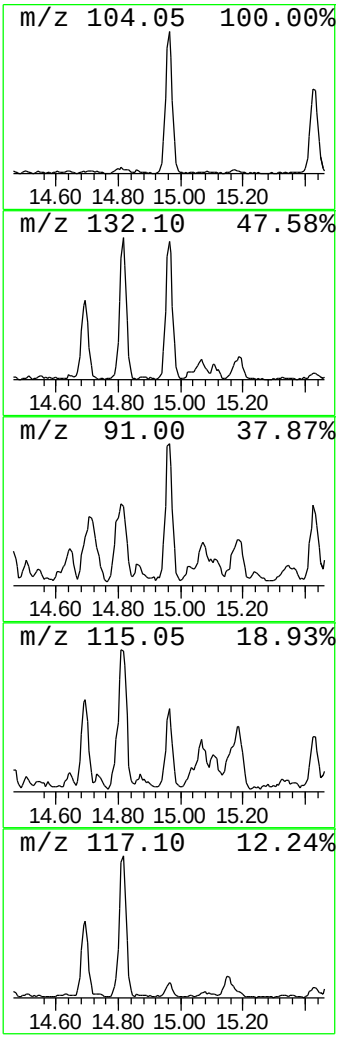
****

Peak Number 4 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	11.43 ug/l	368061	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	94
2	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	43
3	N-Ethylbenzimidoyl bromide	211	C9H10BrN	041182-87-0	40
4	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	40
5	Phensuximide	189	C11H11NO2	000086-34-0	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260

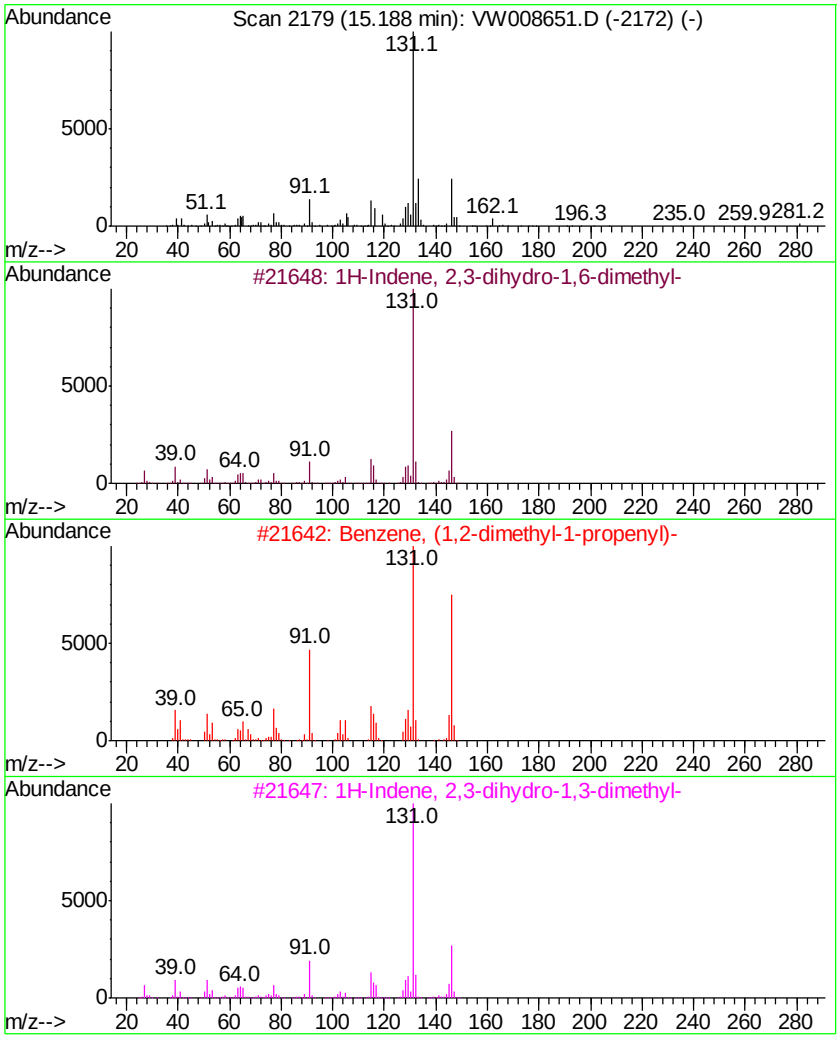
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

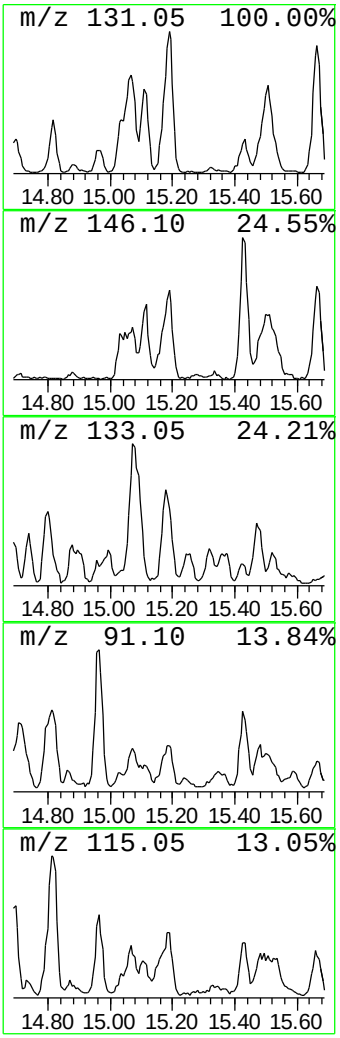
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	10.38 ug/l	334423	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

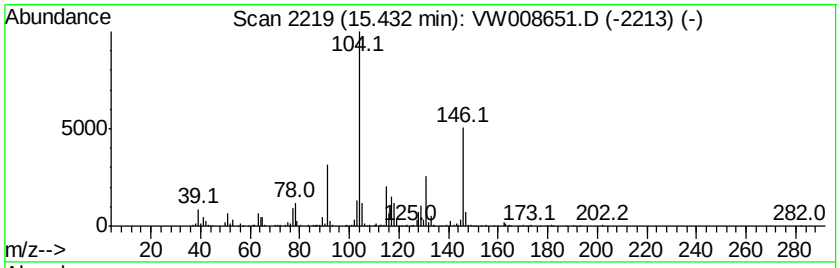
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260

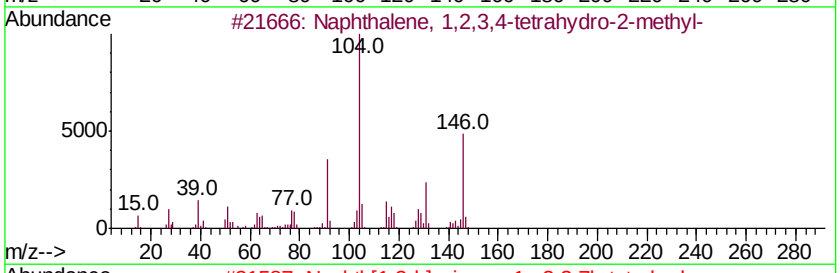
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

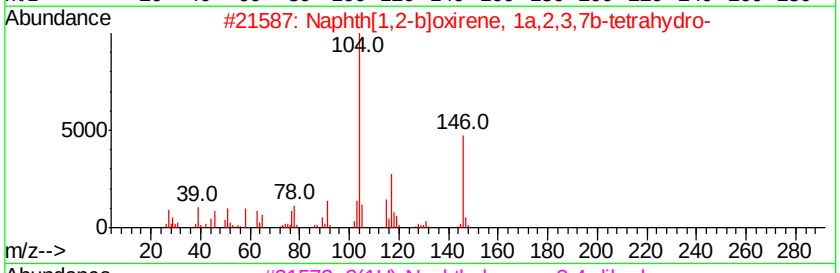
****
Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

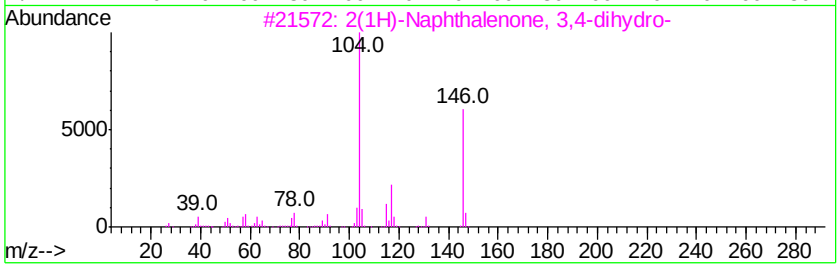
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	8.33 ug/l	268232	1,4-Dichlorobenzene-d4	13.56

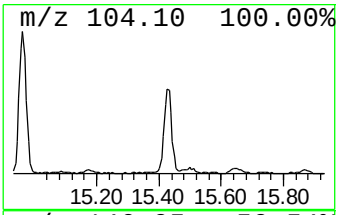
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	95
2	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	74
3	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	64
4	2-Furanone, 4-phenyltetrahydro	162	C10H10O2	1000197-38-4	35
5	[2.2]Paracyclophane	208	C16H16	001633-22-3	35

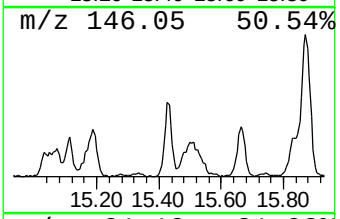


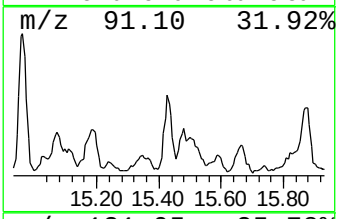


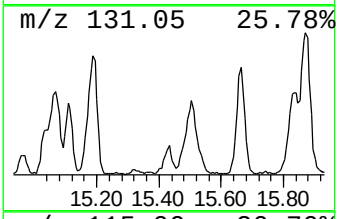


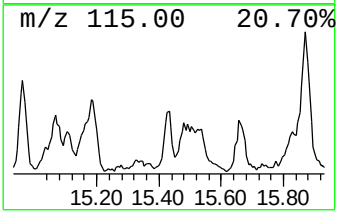












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260

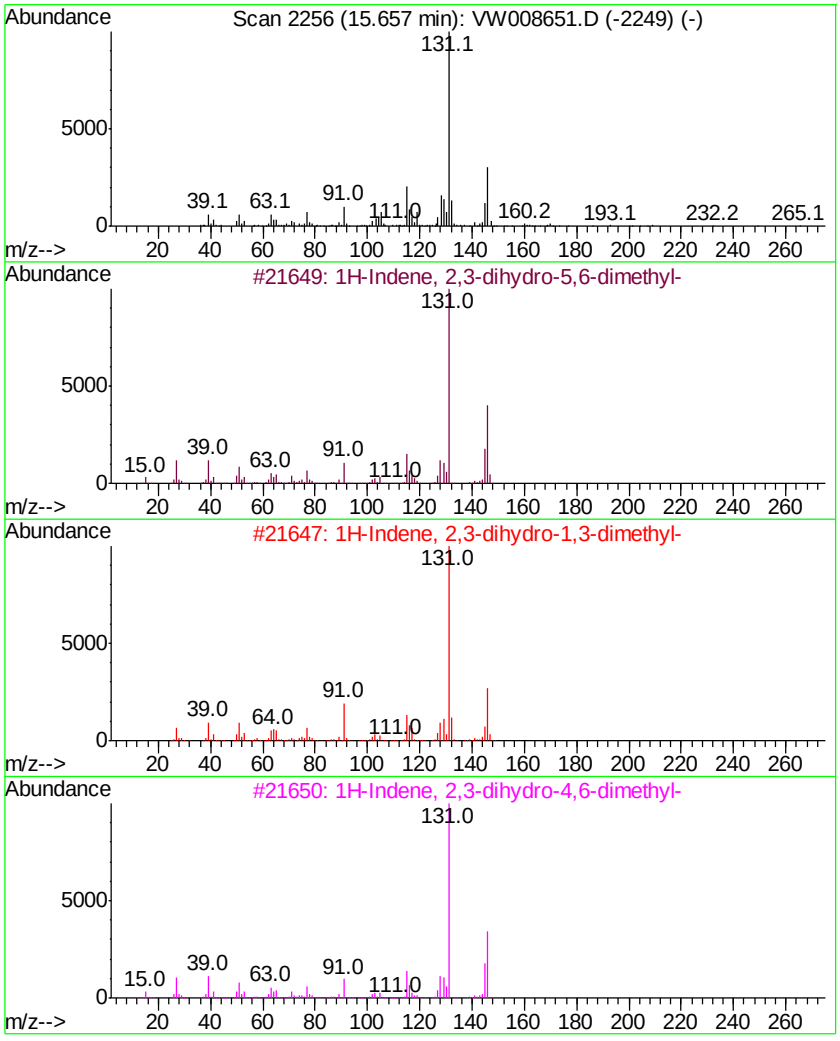
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

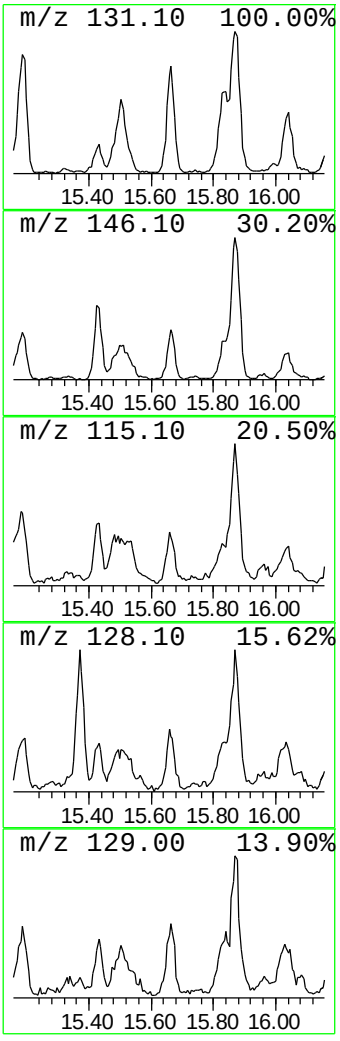
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	8.77 ug/l	282409	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	95
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	95
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	94
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260

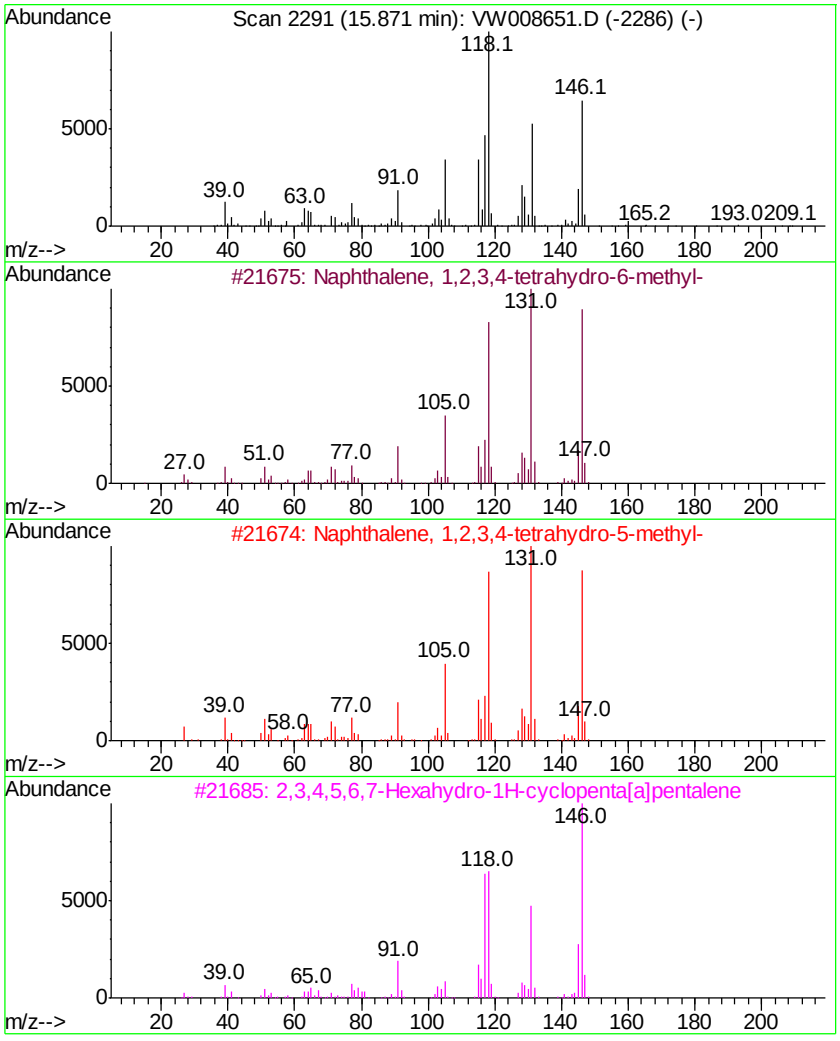
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

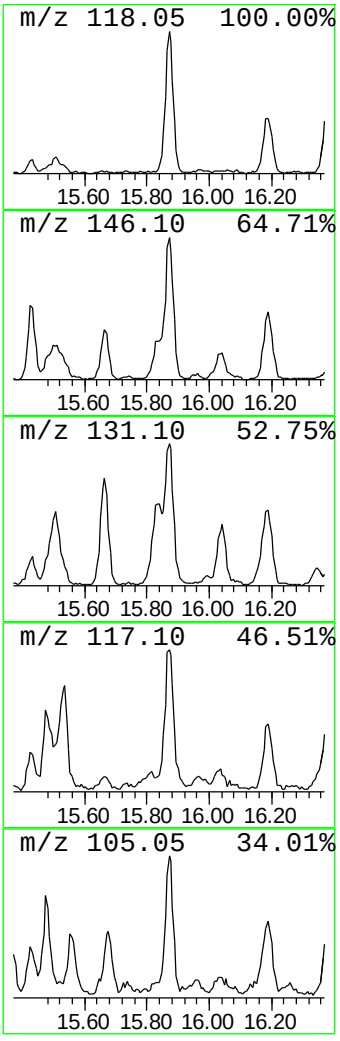
****

Peak Number 8 unknown15.87 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	19.36 ug/l	623607	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	49
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	46
3	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	43
4	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	38
5	1H-Tetrazole, 5-phenyl-	146	C7H6N4	018039-42-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

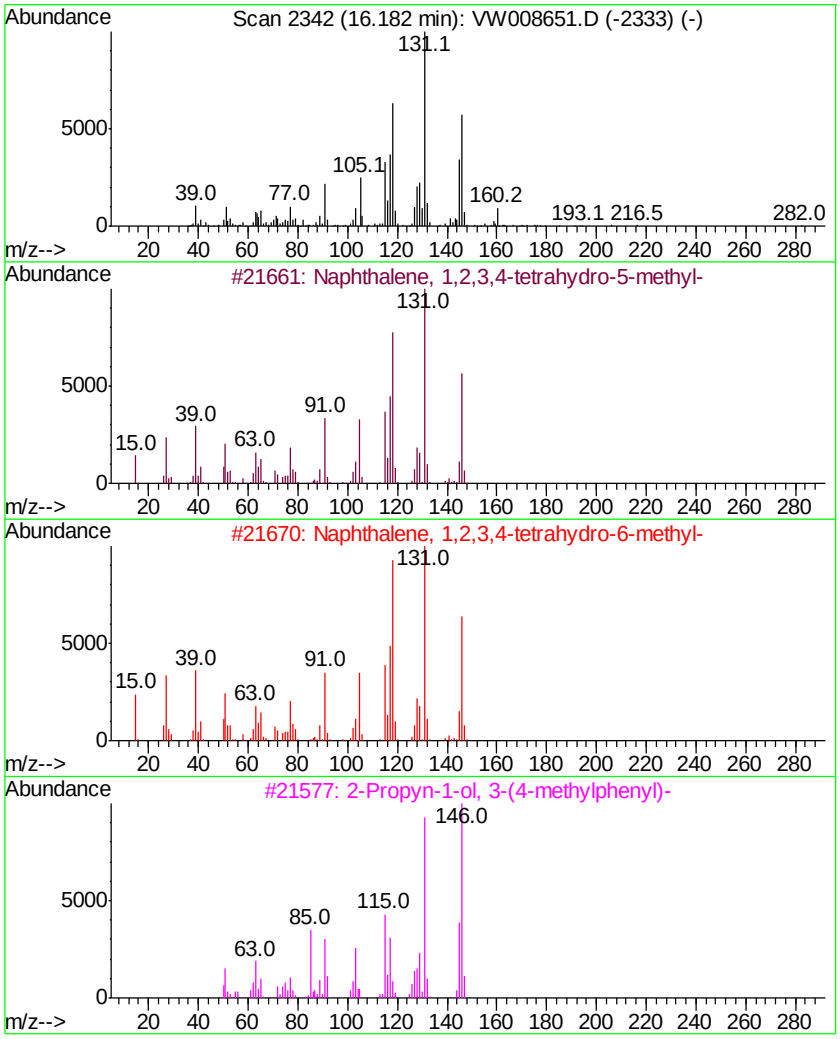
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260

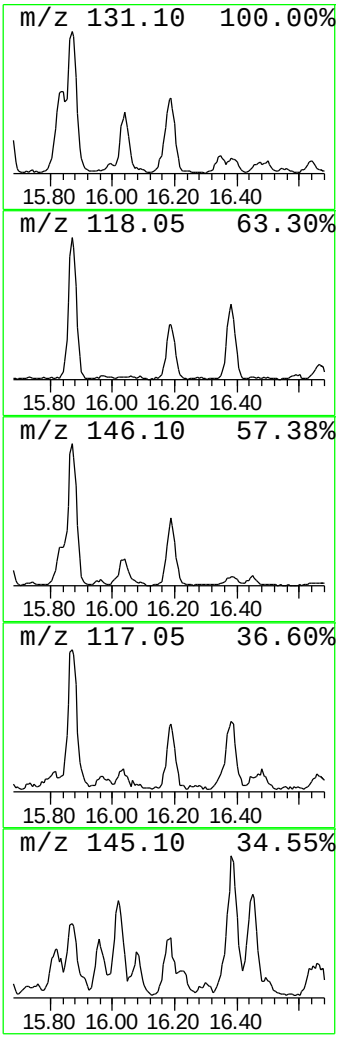
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	12.27 ug/l	395252	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
3	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	68
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260

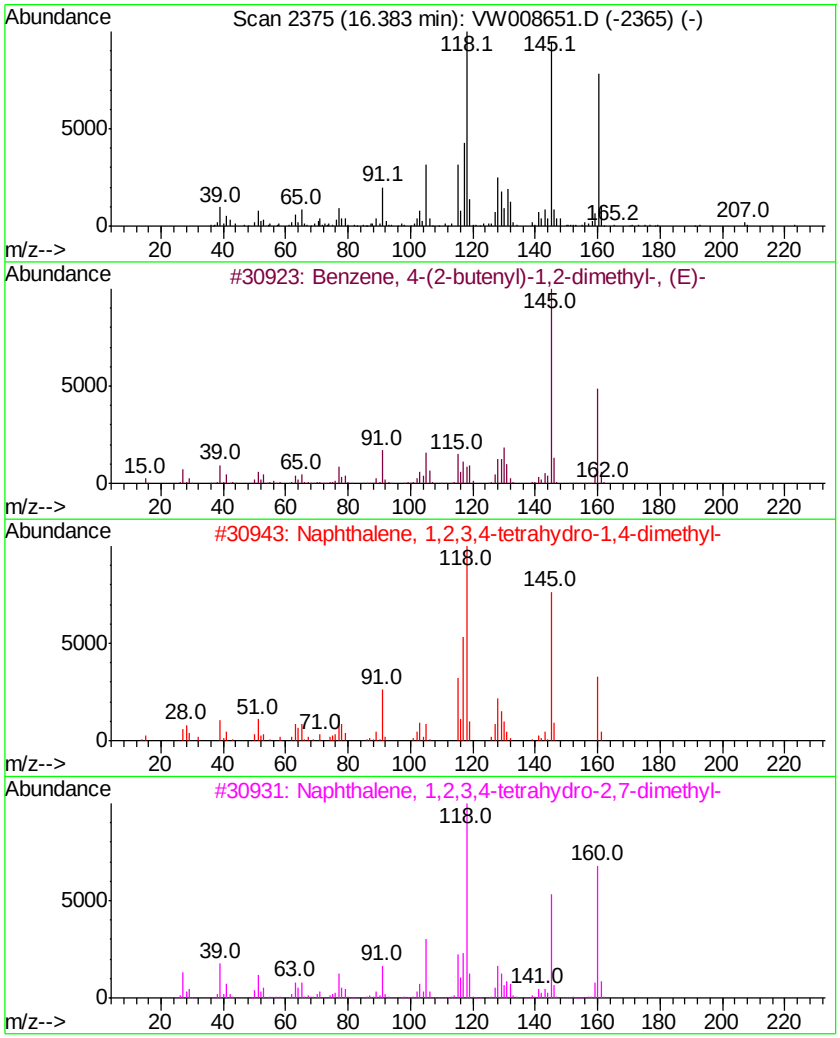
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

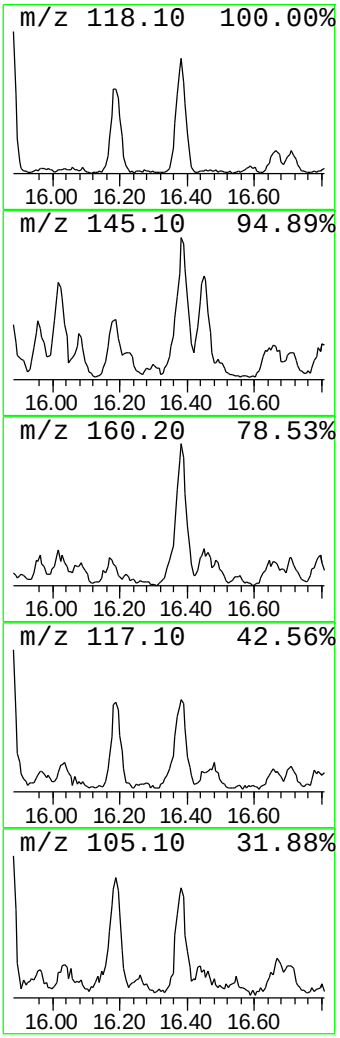
****

Peak Number 10 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	11.82 ug/l	380933	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	89
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	87
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	76
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	76
5	Benzene, 4-chloro-2-fluoro-1-met...	160	C7H6ClFO	000452-09-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021319\
Data File : VW008651.D
Acq On : 13 Feb 2019 21:58
Operator : SY/VA
Sample : K1345-01
Misc : 5.86G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : HD-02-021119

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.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
Benzene, 2-etheny...	14.69	8.2	ug/l	265297	4	13.56	1610730	50.0
1-Phenyl-1-butene	14.81	22.1	ug/l	711111	4	13.56	1610730	50.0
Naphthalene, 1,2,...	14.96	11.4	ug/l	368061	4	13.56	1610730	50.0
1H-Indene, 2,3-di...	15.19	10.4	ug/l	334423	4	13.56	1610730	50.0
Naphthalene, 1,2,...	15.43	8.3	ug/l	268232	4	13.56	1610730	50.0
1H-Indene, 2,3-di...	15.66	8.8	ug/l	282409	4	13.56	1610730	50.0
unknown15.87	15.87	19.4	ug/l	623607	4	13.56	1610730	50.0
Naphthalene, 1,2,...	16.18	12.3	ug/l	395252	4	13.56	1610730	50.0
Benzene, 4-(2-but...	16.38	11.8	ug/l	380933	4	13.56	1610730	50.0