LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
Data File : VW010850.D
Acq On : 19 Jun 2019 15:06
Operator : SY/VA
Sample : K3163-09
Misc : 6.02G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-061719-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\82W060419S.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	1.959	4	9	23	rVB	28955	48014	3.36%	0.446%
2	2.349	63	73	82	rBV	87377	138842	9.72%	1.290%
3	4.129	357	365	376	rBV	14617	39529	2.77%	0.367%
4	4.397	400	409	415	rBV2	7581	20821	1.46%	0.193%
5	4.915	481	494	514	rBV2	33798	110152	7.71%	1.023%
6	5.940	651	662	670	rBV4	8896	27694	1.94%	0.257%
7	7.141	849	859	869	rBV2	7958	26535	1.86%	0.247%
8	7.884	970	981	986	rBV	177072	423235	29.63%	3.932%
9	7.952	986	992	1003	rVB	361237	798572	55.90%	7.419%
10	8.305	1041	1050	1063	rBV	223925	508686	35.61%	4.726%
11	8.842	1129	1138	1156	rBV	583214	1146603	80.26%	10.652%
12	10.323	1372	1381	1387	rBV	821250	1428623	100.00%	13.272%
13	10.390	1387	1392	1403	rVB	194516	339370	23.76%	3.153%
14	10.707	1437	1444	1451	rVB	19217	33516	2.35%	0.311%
15	11.634	1588	1596	1607	rBV	746559	1277917	89.45%	11.872%
16	11.731	1607	1612	1617	rVB	16841	27744	1.94%	0.258%
17	11.835	1623	1629	1638	rBV3	10105	21126	1.48%	0.196%
18	12.170	1677	1684	1694	rVB4	7385	15311	1.07%	0.142%
19	12.621	1750	1758	1768	rBV	542660	886969	62.09%	8.240%
20	12.945	1806	1811	1816	rVB4	8882	15195	1.06%	0.141%
21	13.255	1857	1862	1872	rVB	11448	20186	1.41%	0.188%
22	13.560	1905	1912	1921	rVB	652756	1051872	73.63%	9.772%
23	13.877	1959	1964	1970	rBV5	12647	20917	1.46%	0.194%
24	14.213	2013	2019	2024	rBV2	17759	31010	2.17%	0.288%
25	14.341	2035	2040	2044	rBV4	8715	15999	1.12%	0.149%
26	14.389	2044	2048	2051	rVV4	8587	14345	1.00%	0.133%
27	14.426	2051	2054	2056	rVV	11936	17167	1.20%	0.159%
28	14.463	2056	2060	2064	rVV	19716	27822	1.95%	0.258%
29	14.505	2064	2067	2070	rVV3	12791	17470	1.22%	0.162%
30	14.542	2070	2073	2078	rVB6	10369	15498	1.08%	0.144%
31	14.645	2085	2090	2094	rVB3	15460	24292	1.70%	0.226%
32	14.694	2094	2098	2101	rBV	27931	53661	3.76%	0.499%
33	14.731	2101	2104	2109	rVB2	35278	57158	4.00%	0.531%
34	14.810	2109	2117	2122	rBV4	72957	180644	12.64%	1.678%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
Data File : VW010850.D
Acq On : 19 Jun 2019 15:06
Operator : SY/VA
Sample : K3163-09
Misc : 6.02G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-061719-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\82W060419S.M
Title : SW846 8260

35	14.859	2122	2125	2135	rVB2	16930	30805	2.16%	0.286%
36	14.962	2137	2142	2148	rVB	49636	78678	5.51%	0.731%
37	15.036	2150	2154	2155	rBV2	10943	15421	1.08%	0.143%
38	15.066	2155	2159	2163	rBV3	31400	54431	3.81%	0.506%
39	15.188	2172	2179	2185	rVB3	46556	107528	7.53%	0.999%
40	15.334	2198	2203	2206	rBV4	20476	40038	2.80%	0.372%
41	15.426	2213	2218	2223	rBV	50997	93341	6.53%	0.867%
42	15.481	2223	2227	2230	rBV3	31605	61657	4.32%	0.573%
43	15.560	2237	2240	2249	rVB3	52588	97313	6.81%	0.904%
44	15.664	2249	2257	2265	rBV3	59163	140192	9.81%	1.302%
45	15.737	2265	2269	2274	rVV3	11482	20512	1.44%	0.191%
46	15.828	2275	2284	2286	rVV4	41324	93164	6.52%	0.866%
47	15.871	2286	2291	2300	rVV	125080	248095	17.37%	2.305%
48	15.956	2300	2305	2310	rVV5	17937	34743	2.43%	0.323%
49	16.029	2311	2317	2332	rVB3	42374	153705	10.76%	1.428%
50	16.188	2333	2343	2349	rBV2	79320	204077	14.28%	1.896%
51	16.383	2365	2375	2381	rBV2	83967	200111	14.01%	1.859%
52	16.450	2381	2386	2390	rVV2	33302	74014	5.18%	0.688%
53	16.499	2391	2394	2400	rVB4	29350	52949	3.71%	0.492%
54	16.657	2412	2420	2425	rBV7	26313	80791	5.66%	0.751%

Sum of corrected areas: 10764060

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Operator : SY/VA
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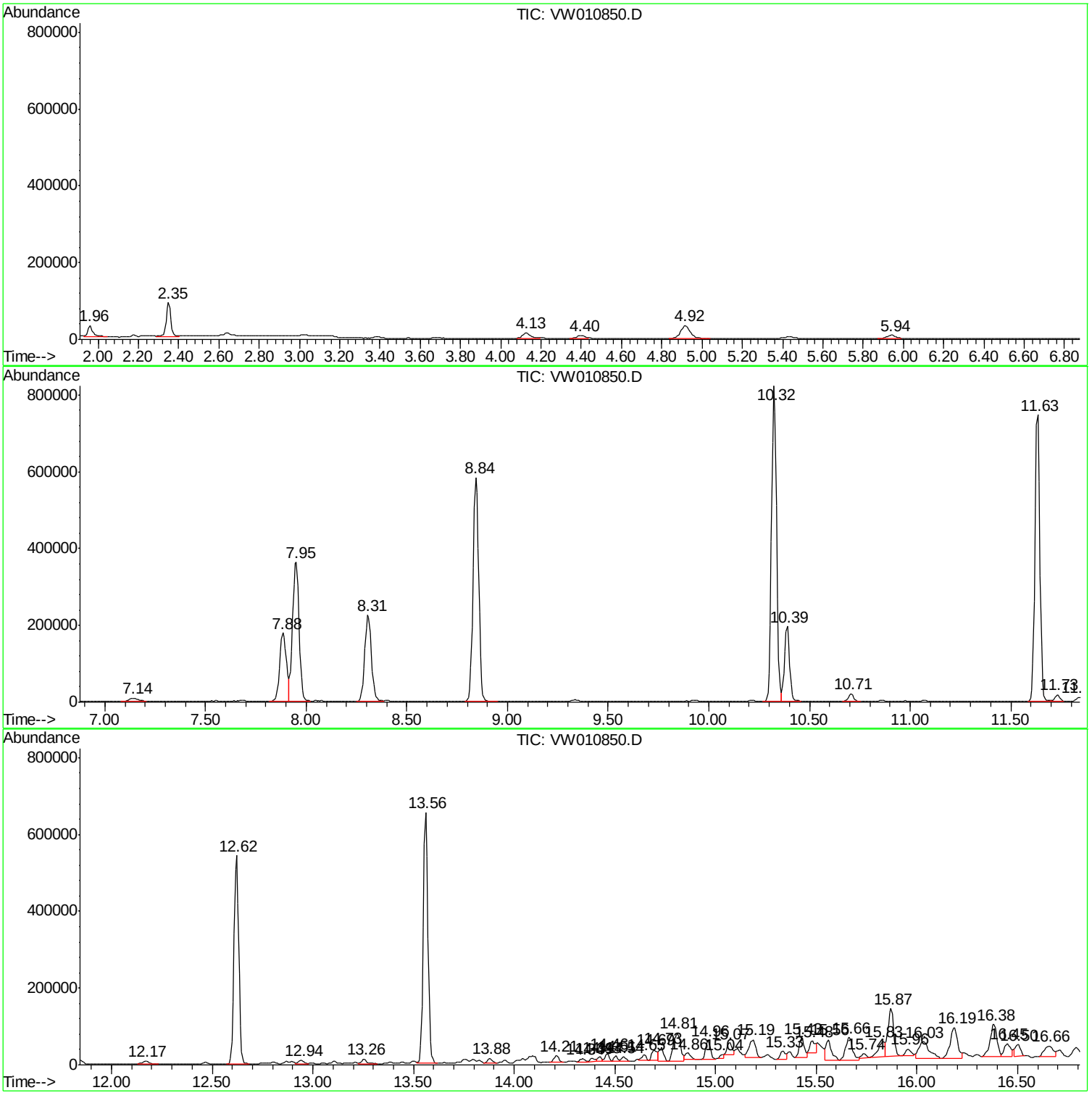
Misc : 6.02G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-03-061719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.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\VW061919\
Data File : VW010850.D
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Operator : SY/VA
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ALS Vial : 6 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

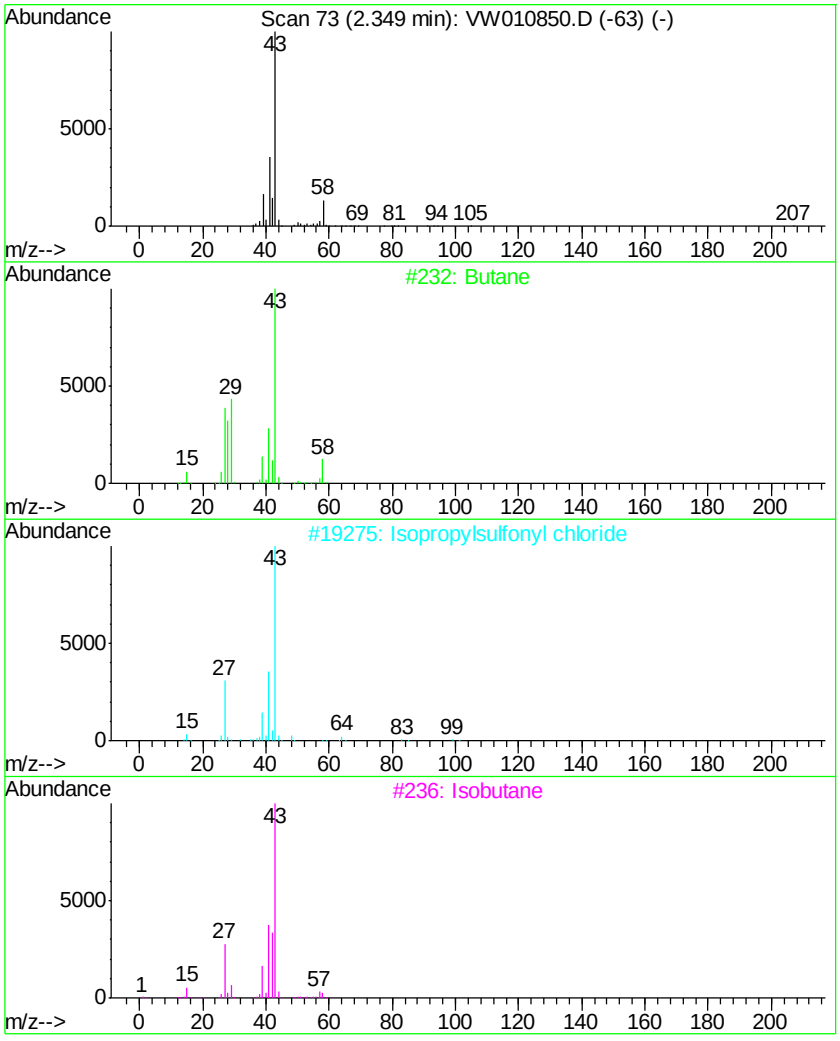
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

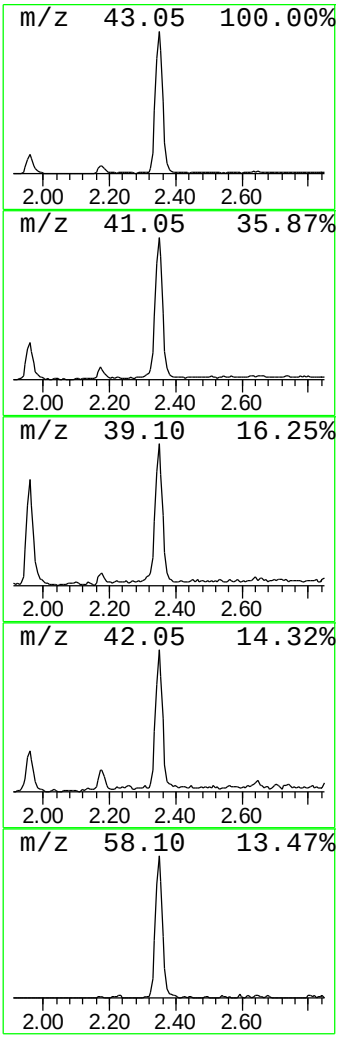
****

Peak Number 1 Butane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.35	8.69 ug/l	138842	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	80
2	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
3	Isobutane	58	C4H10	000075-28-5	9
4	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
5	Formic acid, chloro-, (3,4,4-tri...	194	C7H11ClO4	107323-92-2	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
Data File : VW010850.D
Acq On : 19 Jun 2019 15:06
Operator : SY/VA
Sample : K3163-09
Misc : 6.02G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-061719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

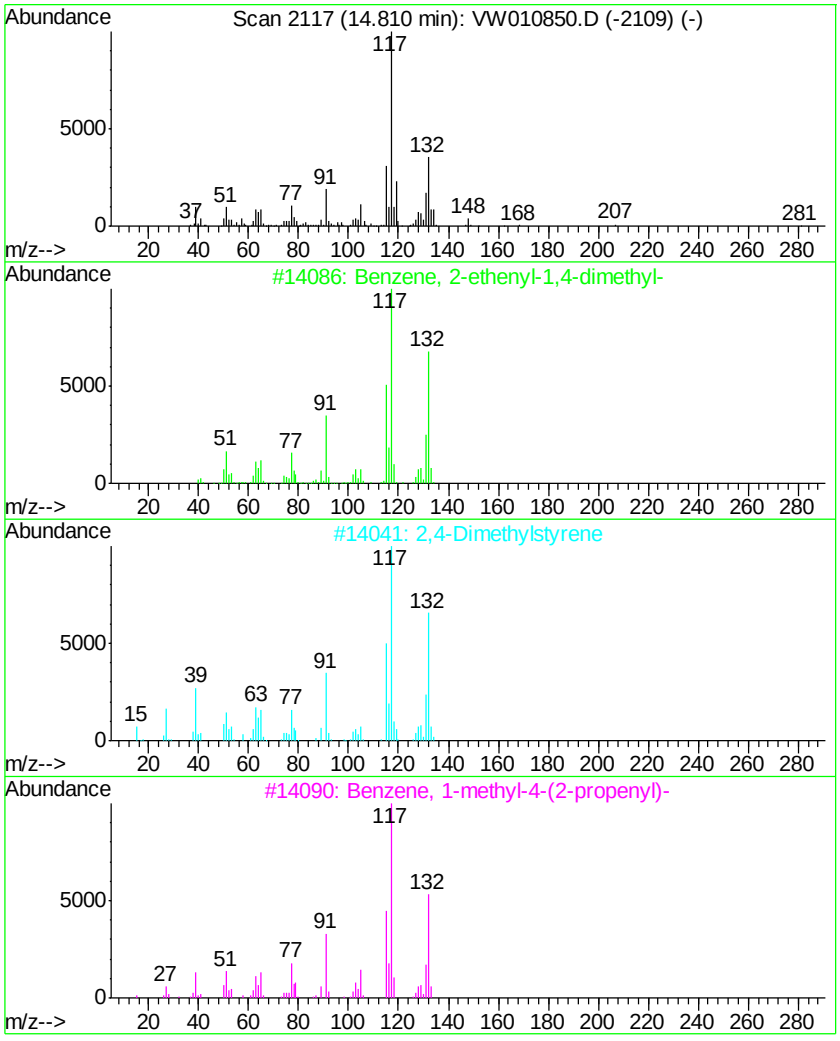
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

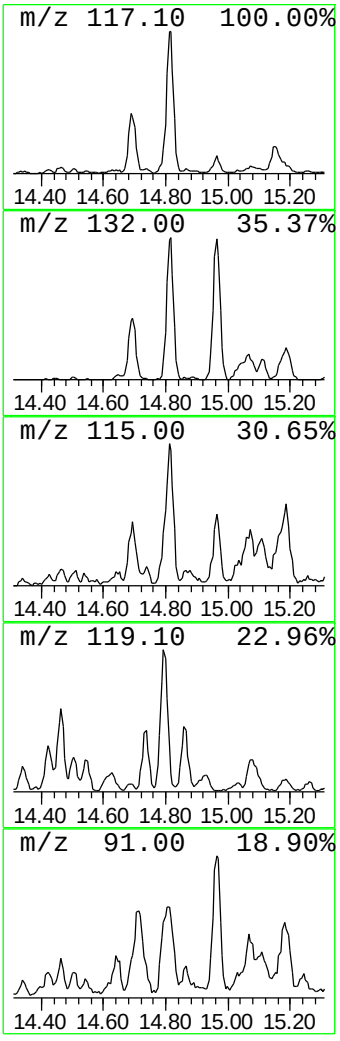
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	8.59 ug/l	180644	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	92
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	92
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
Data File : VW010850.D
Acq On : 19 Jun 2019 15:06
Operator : SY/VA
Sample : K3163-09
Misc : 6.02G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-061719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

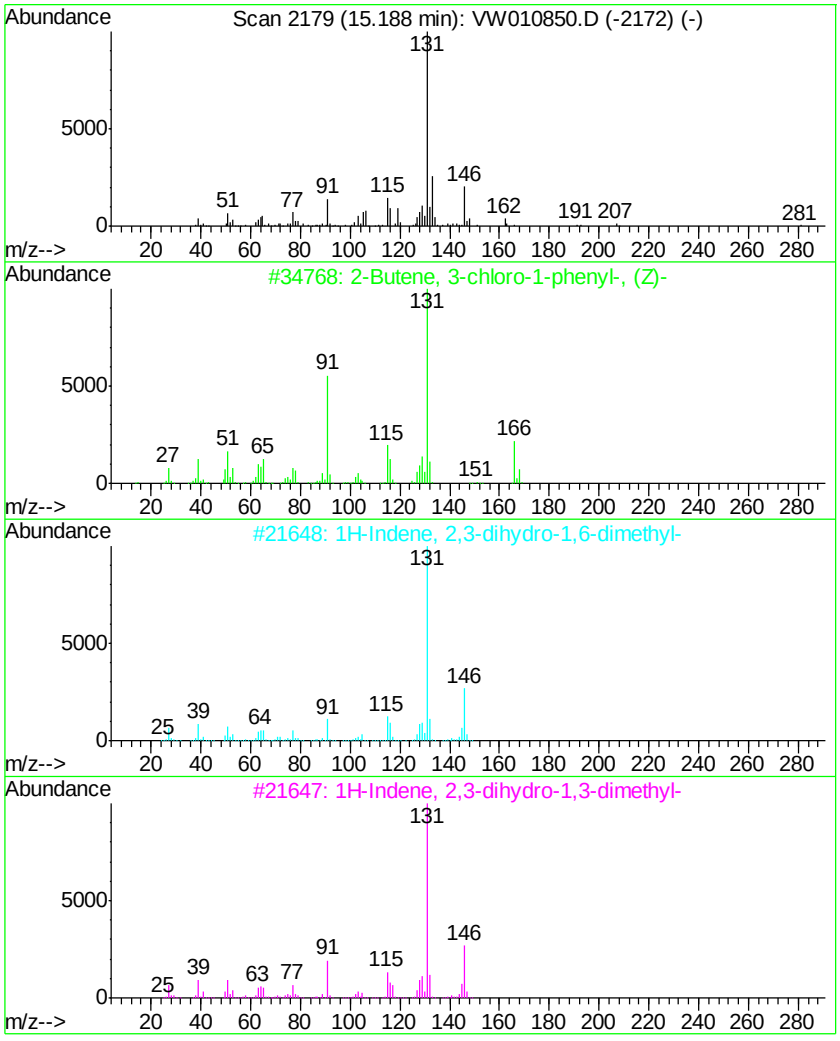
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

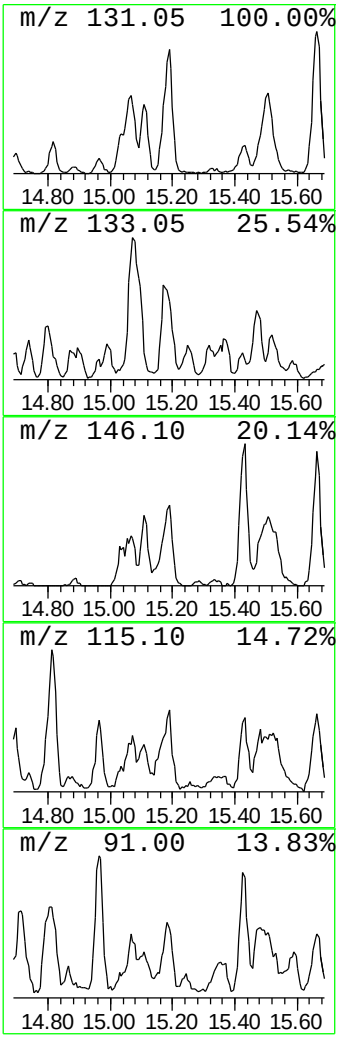
****

Peak Number 3 2-Butene, 3-chloro-1-phenyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.11 ug/l	107528	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	83
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	76
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
Data File : VW010850.D
Acq On : 19 Jun 2019 15:06
Operator : SY/VA
Sample : K3163-09
Misc : 6.02G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-061719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

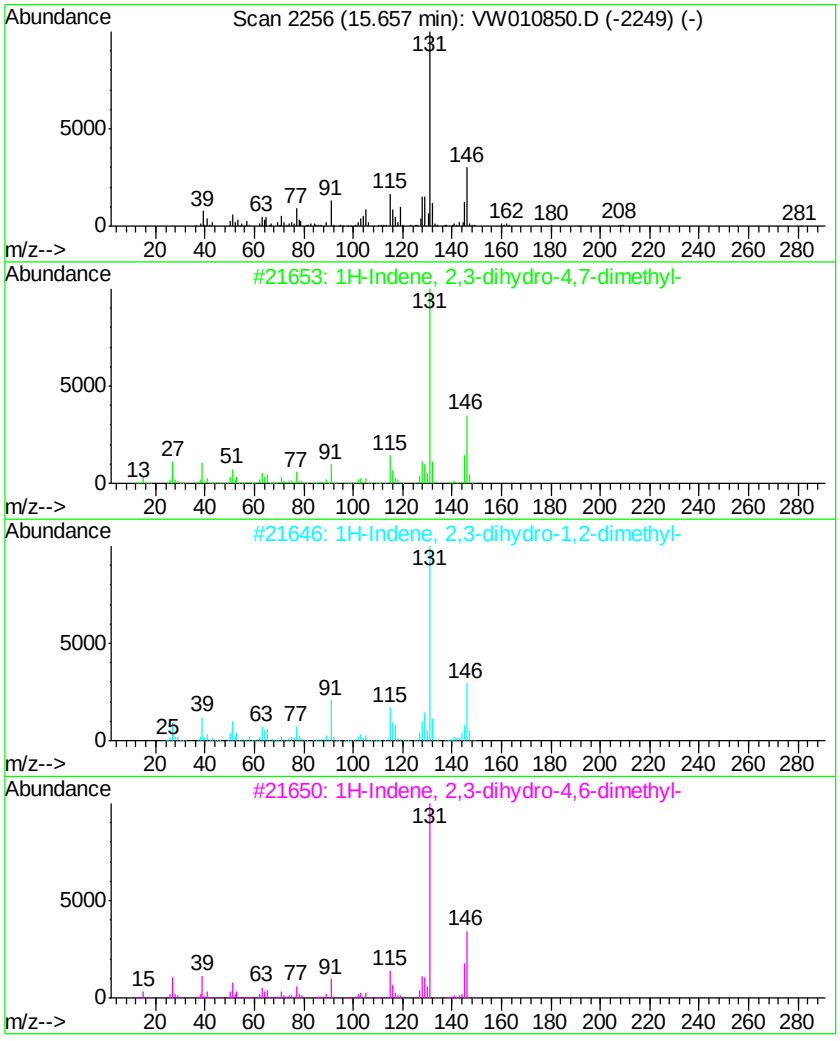
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

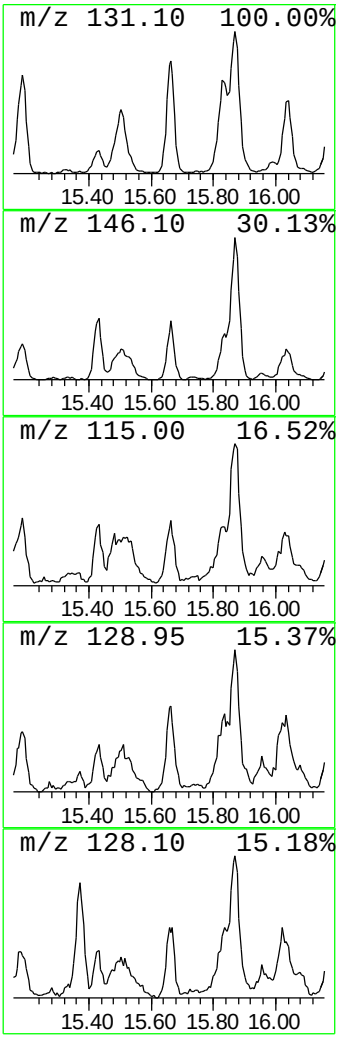
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	6.66 ug/l	140192	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	91





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Sample : K3163-09
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ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

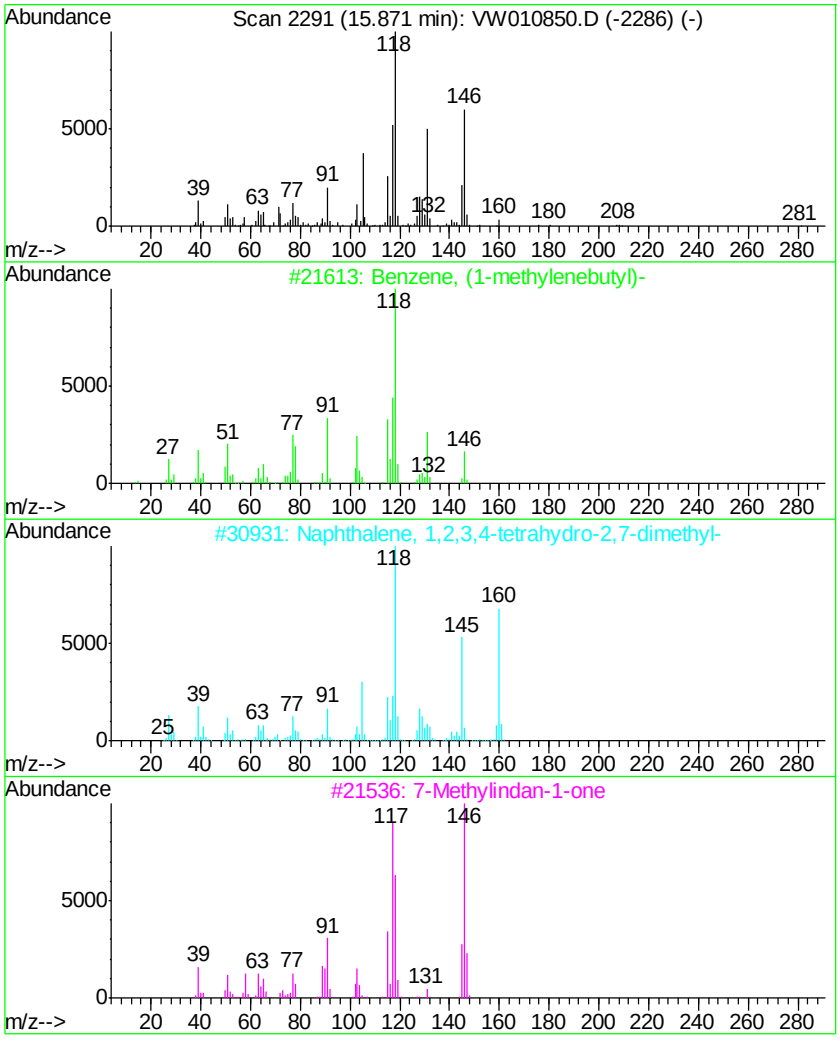
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

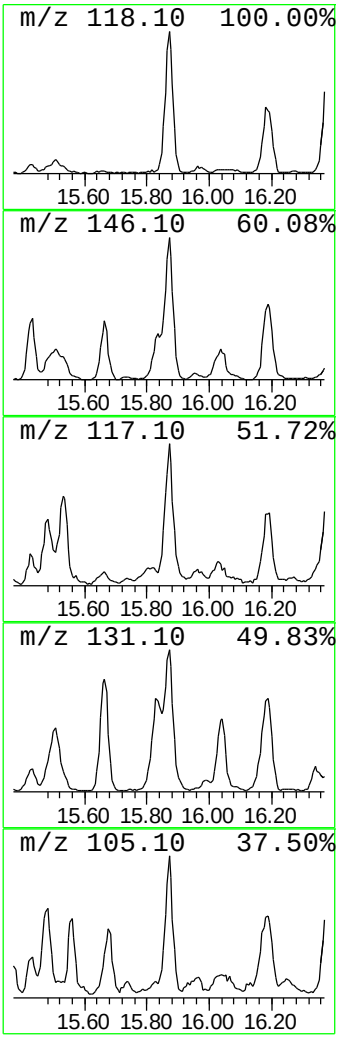
****

Peak Number 5 Benzene, (1-methylenebutyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	11.79 ug/l	248095	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	80
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	49
3	7-Methylindan-1-one	146	C10H10O	039627-61-7	43
4	.alpha.-Methylstyrene	118	C9H10	000098-83-9	38
5	1(2H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000529-34-0	38





Library Search Compound Report

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Misc : 6.02G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-061719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

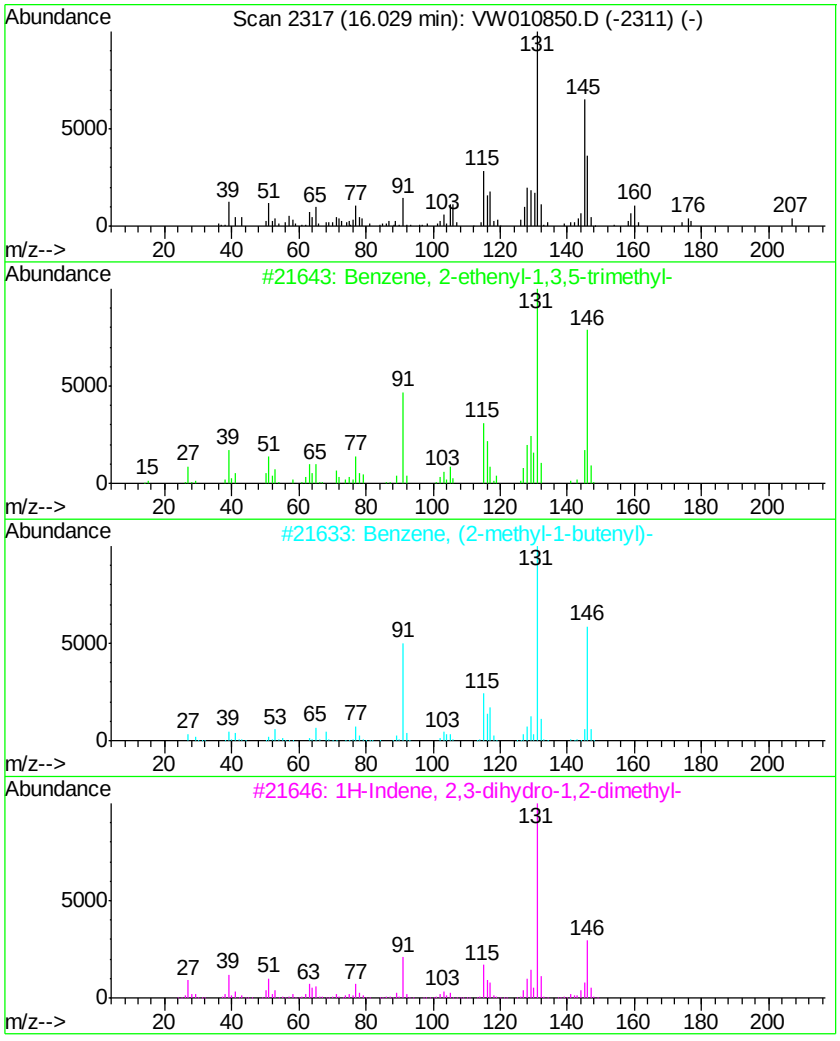
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

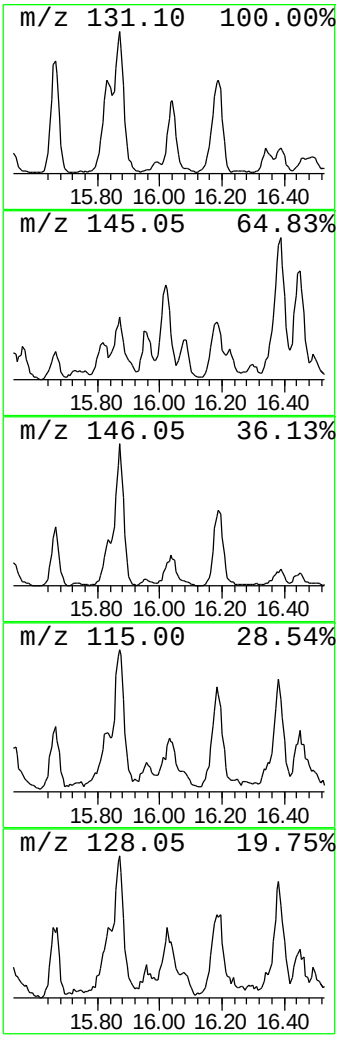
****

Peak Number 6 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	7.31 ug/l	153705	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	93
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	62
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
Data File : VW010850.D
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Operator : SY/VA
Sample : K3163-09
Misc : 6.02G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-061719-A

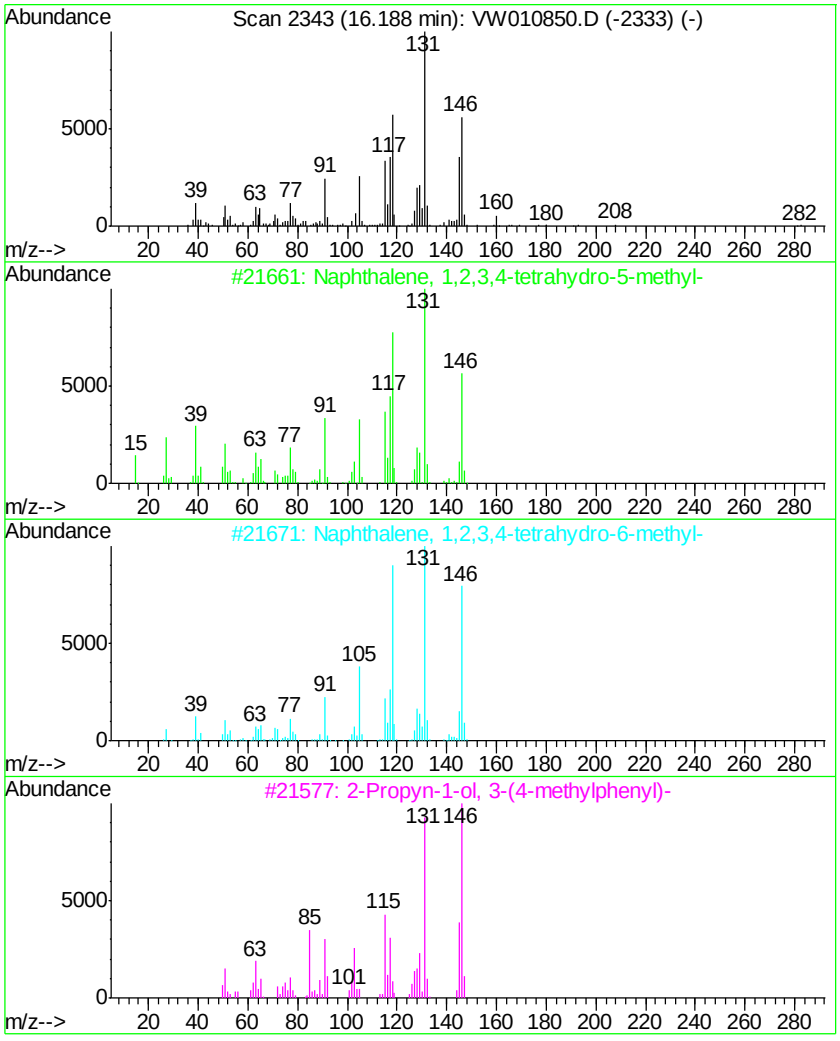
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

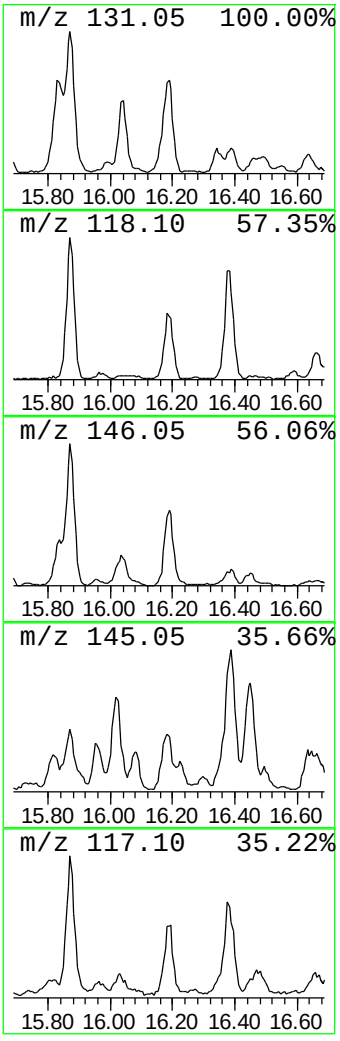
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	9.70 ug/l	204077	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	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	83
3	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	68
4	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	64
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	62





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Data File : VW010850.D
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ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-061719-A

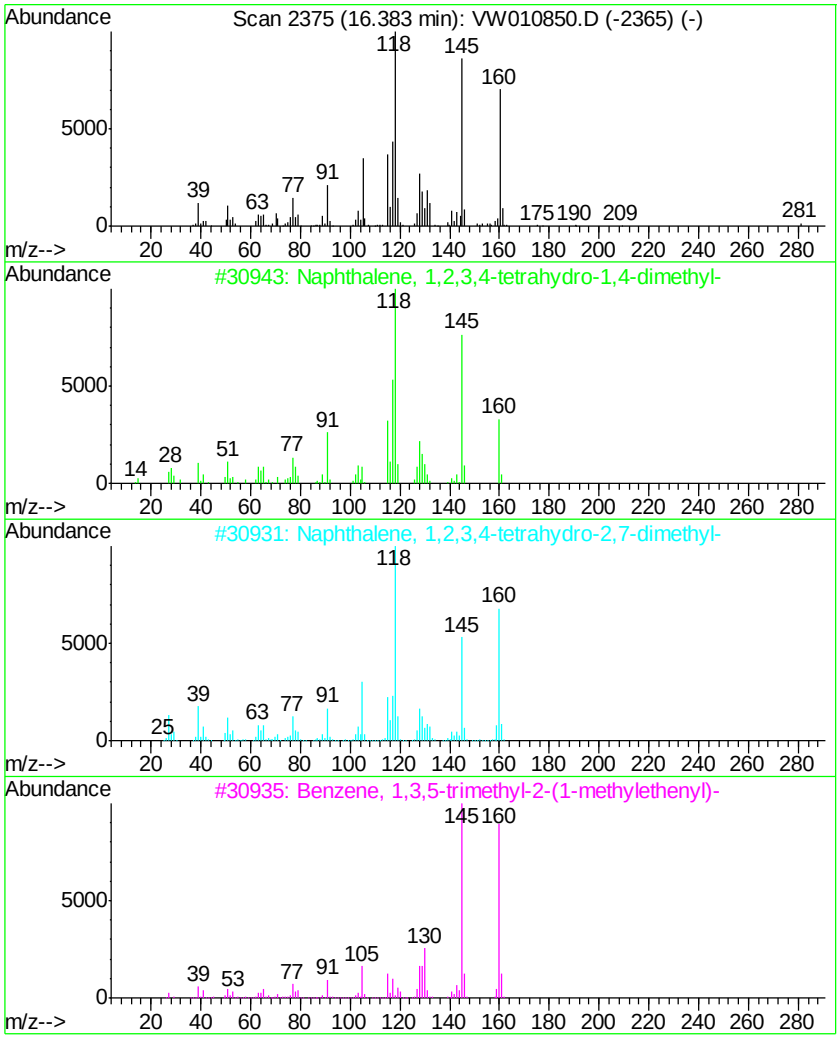
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

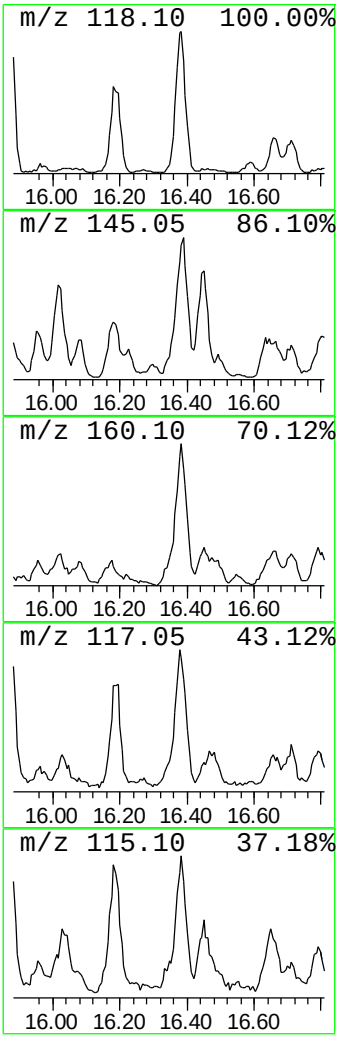
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	9.51 ug/l	200111	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	62
5	2,4-Dimethylphenylacetonitrile	145	C10H11N	068429-53-8	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061919\
Data File : VW010850.D
Acq On : 19 Jun 2019 15:06
Operator : SY/VA
Sample : K3163-09
Misc : 6.02G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SU-03-061719-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.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
Butane	2.35	8.7	ug/l	138842	1	7.95	798572	50.0
Benzene, 2-etheny...	14.81	8.6	ug/l	180644	4	13.56	1051870	50.0
2-Butene, 3-chlor...	15.19	5.1	ug/l	107528	4	13.56	1051870	50.0
1H-Indene, 2,3-di...	15.66	6.7	ug/l	140192	4	13.56	1051870	50.0
Benzene, (1-methy...	15.87	11.8	ug/l	248095	4	13.56	1051870	50.0
Benzene, 2-etheny...	16.03	7.3	ug/l	153705	4	13.56	1051870	50.0
Naphthalene, 1,2,...	16.19	9.7	ug/l	204077	4	13.56	1051870	50.0
Naphthalene, 1,2,...	16.38	9.5	ug/l	200111	4	13.56	1051870	50.0