LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
Data File : VW008254.D
Acq On : 14 Jan 2019 18:24
Operator : SY/VA
Sample : K1126-01
Misc : 5.50G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RT-3451

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\82W010819S.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	2.361	71	75	81	rVB3	3586	6701	1.17%	0.113%
2	4.915	483	494	505	rBV4	7132	24602	4.29%	0.417%
3	7.884	971	981	986	rBV2	75900	186684	32.53%	3.161%
4	7.945	986	991	1000	rVB	131369	282084	49.16%	4.777%
5	8.305	1041	1050	1059	rBV	74867	170125	29.65%	2.881%
6	8.842	1126	1138	1147	rBV	201961	401154	69.91%	6.794%
7	10.323	1372	1381	1388	rBV	325236	573847	100.00%	9.718%
8	10.390	1388	1392	1398	rVB	24756	41655	7.26%	0.705%
9	11.634	1586	1596	1606	rBV	280254	481607	83.93%	8.156%
10	12.621	1751	1758	1765	rBV	222801	360293	62.79%	6.102%
11	13.170	1843	1848	1853	rBV8	3592	7198	1.25%	0.122%
12	13.560	1904	1912	1921	rVB	271535	438736	76.46%	7.430%
13	13.798	1947	1951	1955	rBV7	2872	5740	1.00%	0.097%
14	13.883	1960	1965	1969	rBV6	11948	20141	3.51%	0.341%
15	14.042	1986	1991	1994	rBV6	6531	14719	2.56%	0.249%
16	14.097	1994	2000	2004	rVV6	13610	30190	5.26%	0.511%
17	14.133	2004	2006	2013	rVB8	7907	12942	2.26%	0.219%
18	14.206	2013	2018	2023	rBV5	15537	28025	4.88%	0.475%
19	14.267	2024	2028	2034	rVB9	8520	13908	2.42%	0.236%
20	14.347	2034	2041	2042	rBV5	8379	17799	3.10%	0.301%
21	14.389	2045	2048	2052	rVB4	11702	13523	2.36%	0.229%
22	14.462	2057	2060	2063	rVB	10492	12991	2.26%	0.220%
23	14.505	2063	2067	2070	rBV5	14824	20180	3.52%	0.342%
24	14.554	2070	2075	2077	rBV5	9027	14731	2.57%	0.249%
25	14.737	2101	2105	2110	rVB2	31744	47545	8.29%	0.805%
26	14.798	2110	2115	2121	rBV3	47819	118812	20.70%	2.012%
27	14.859	2121	2125	2131	rVB4	26803	56079	9.77%	0.950%
28	14.975	2140	2144	2151	rVB5	13909	29324	5.11%	0.497%
29	15.072	2155	2160	2164	rBV	64729	118269	20.61%	2.003%
30	15.188	2172	2179	2186	rVB3	67785	156614	27.29%	2.652%
31	15.255	2187	2190	2198	rVB7	17796	30418	5.30%	0.515%
32	15.334	2198	2203	2212	rBV8	42562	115100	20.06%	1.949%
33	15.426	2214	2218	2223	rBV	56647	106118	18.49%	1.797%
34	15.511	2229	2232	2238	rVB5	36854	68350	11.91%	1.158%

LSC Area Percent Report

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Data File : VW008254.D
Acq On : 14 Jan 2019 18:24
Operator : SY/VA
Sample : K1126-01
Misc : 5.50G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RT-3451

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\82W010819S.M
Title : SW846 8260

35	15.566	2238	2241	2250	rVB5	54097	103796	18.09%	1.758%
36	15.663	2250	2257	2263	rBV3	67148	170477	29.71%	2.887%
37	15.743	2267	2270	2274	rVB5	19565	25733	4.48%	0.436%
38	15.834	2281	2285	2288	rBV4	32531	50005	8.71%	0.847%
39	15.871	2288	2291	2297	rVB3	81477	134941	23.52%	2.285%
40	15.956	2301	2305	2310	rVB3	34441	56751	9.89%	0.961%
41	16.029	2311	2317	2323	rBV4	56664	157557	27.46%	2.668%
42	16.182	2334	2342	2352	rBV3	137601	399924	69.69%	6.773%
43	16.298	2359	2361	2366	rVB6	22586	29437	5.13%	0.499%
44	16.383	2368	2375	2382	rVB3	202455	436522	76.07%	7.392%
45	16.450	2382	2386	2391	rBV	51979	91575	15.96%	1.551%
46	16.657	2412	2420	2425	rBV6	65445	222036	38.69%	3.760%

Sum of corrected areas: 5904958

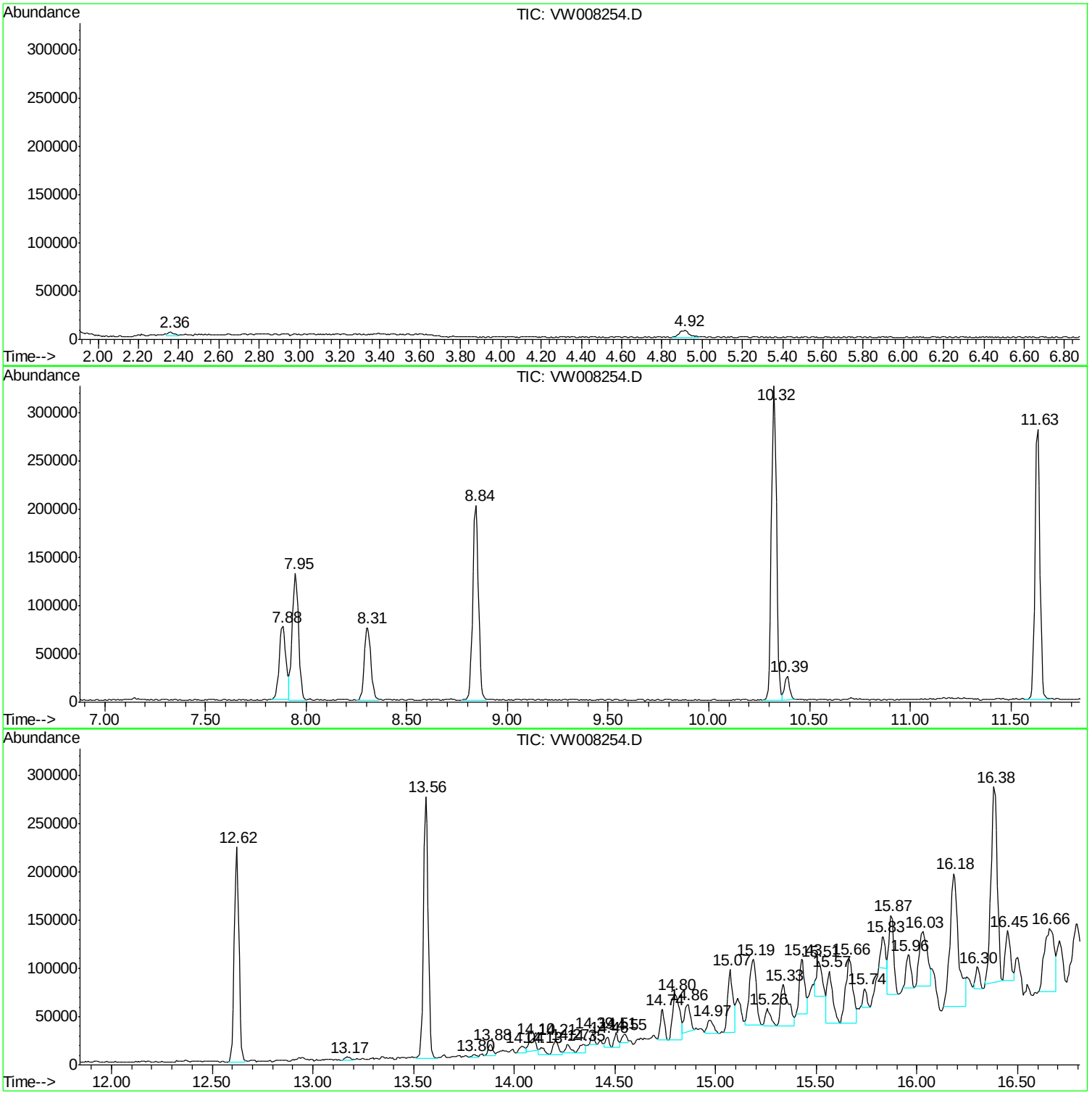
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
Data File : VW008254.D
Acq On : 14 Jan 2019 18:24
Operator : SY/VA
Sample : K1126-01
Misc : 5.50G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RT-3451

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.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\VW011419\
Data File : VW008254.D
Acq On : 14 Jan 2019 18:24
Operator : SY/VA
Sample : K1126-01
Misc : 5.50G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RT-3451

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

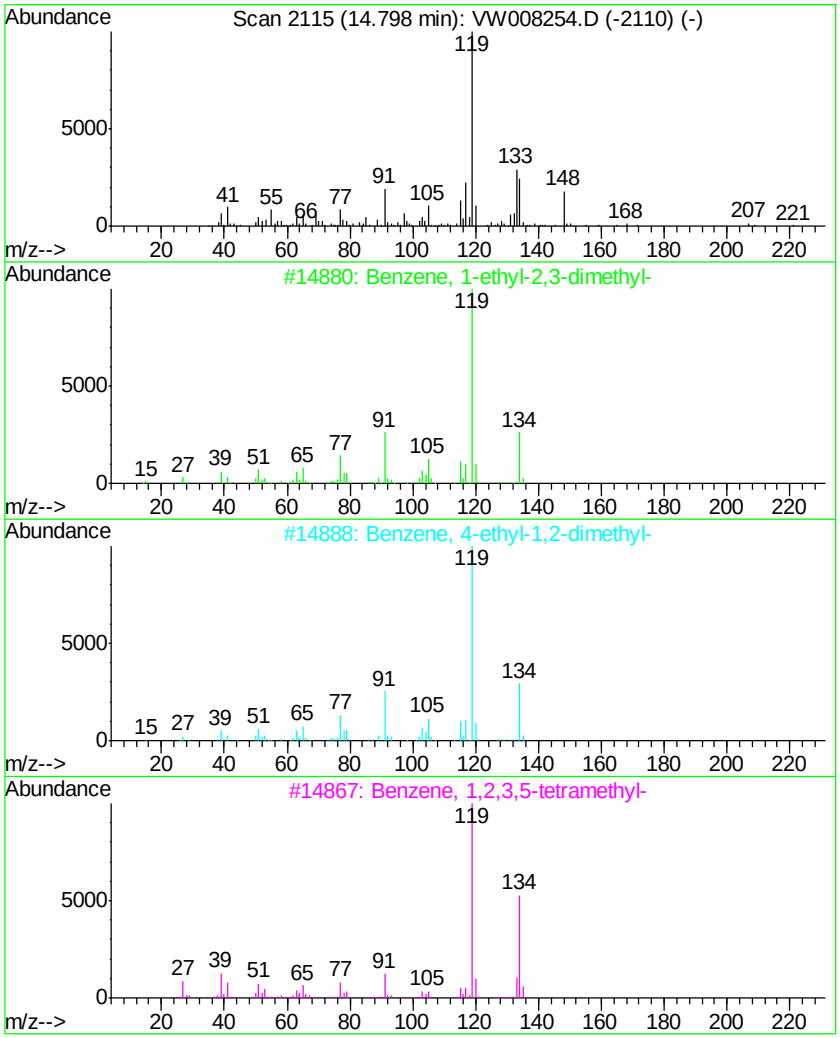
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

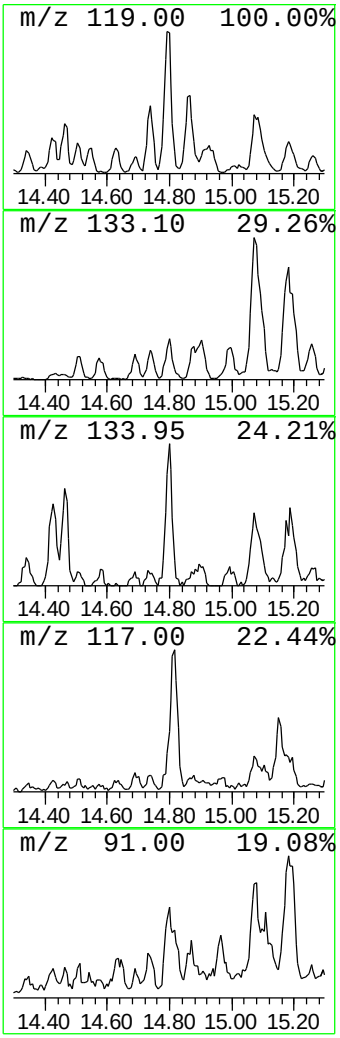
****

Peak Number 1 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	13.54 ug/l	118812	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	62
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	58
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	58
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
Data File : VW008254.D
Acq On : 14 Jan 2019 18:24
Operator : SY/VA
Sample : K1126-01
Misc : 5.50G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RT-3451

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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

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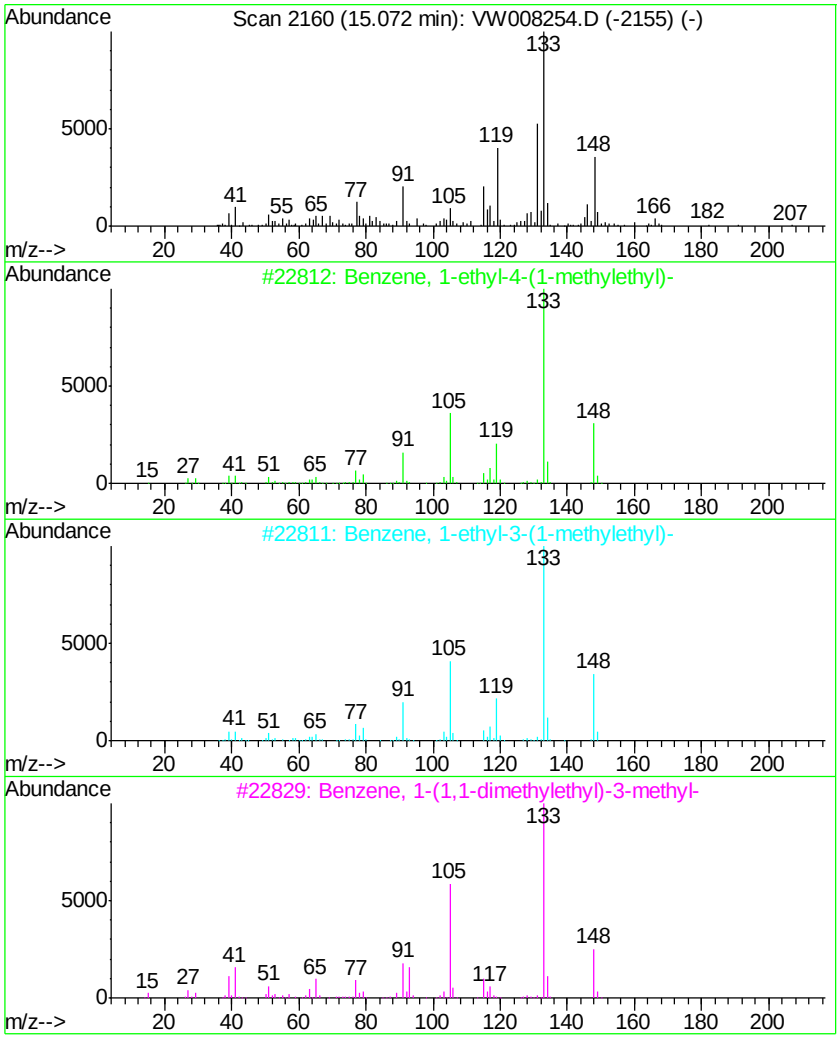
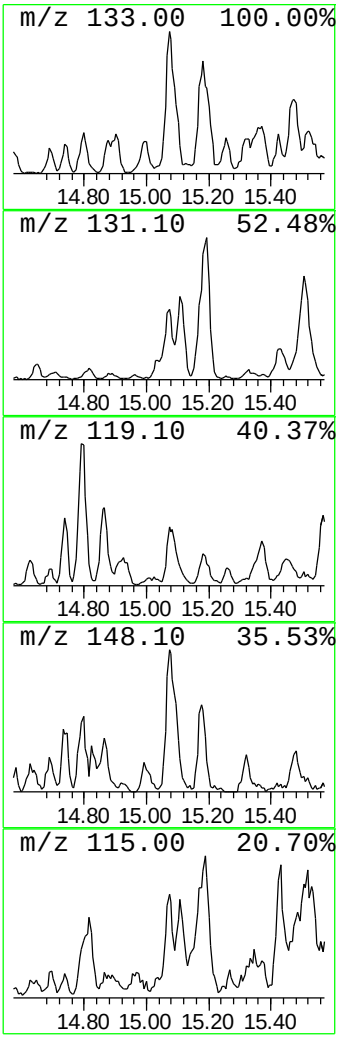
Peak Number 2 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	13.48 ug/l	118269	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	53
3	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	46
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	46
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
Data File : VW008254.D
Acq On : 14 Jan 2019 18:24
Operator : SY/VA
Sample : K1126-01
Misc : 5.50G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RT-3451

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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

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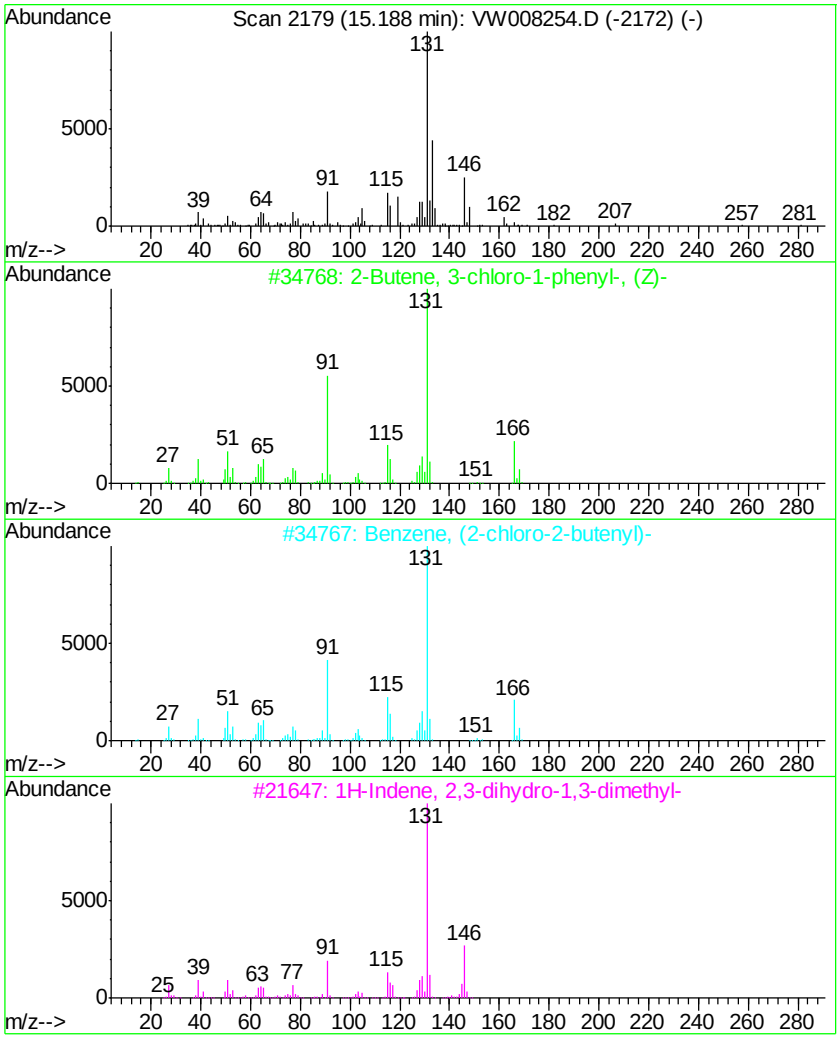
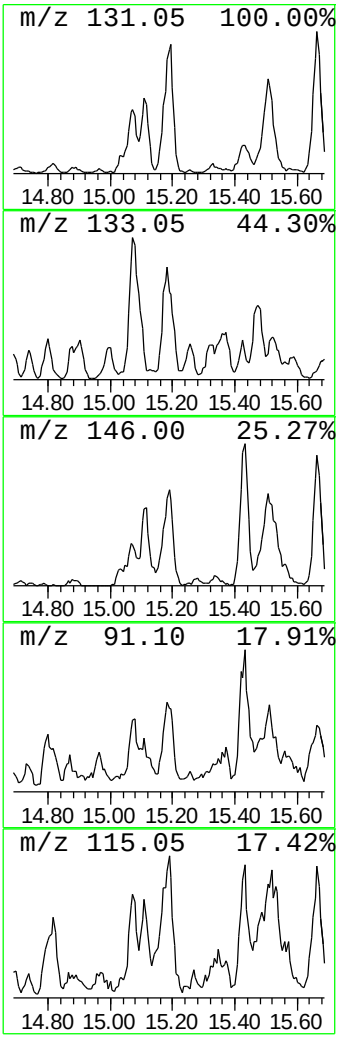
Peak Number 3 2-Butene, 3-chloro-1-phenyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	17.85 ug/l	156614	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	90
2	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	70
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
Data File : VW008254.D
Acq On : 14 Jan 2019 18:24
Operator : SY/VA
Sample : K1126-01
Misc : 5.50G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RT-3451

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

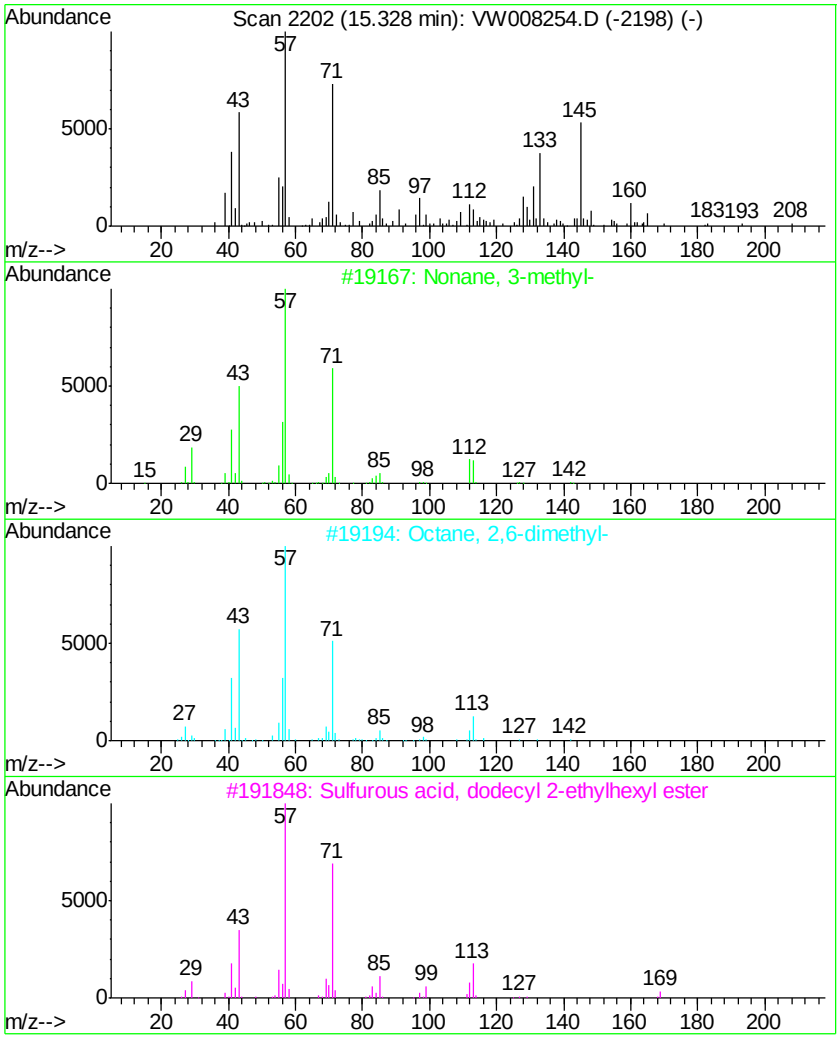
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

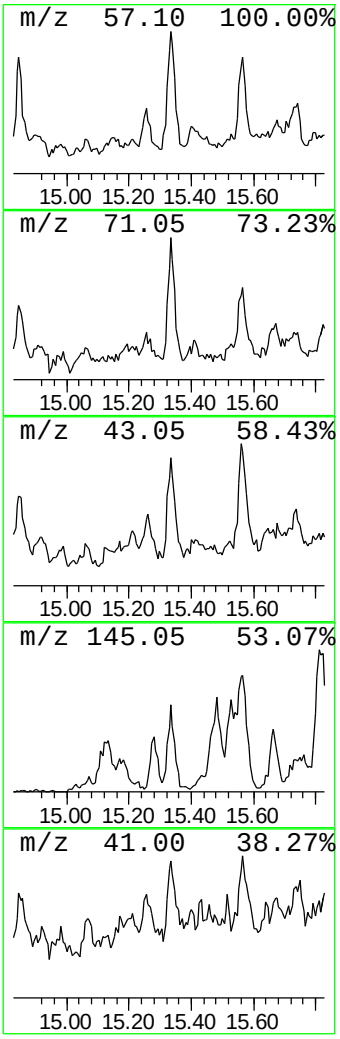
****

Peak Number 4 Nonane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	13.12 ug/l	115100	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	50
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	45
3	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	43
4	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	43
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	41





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Operator : SY/VA
Sample : K1126-01
Misc : 5.50G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RT-3451

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

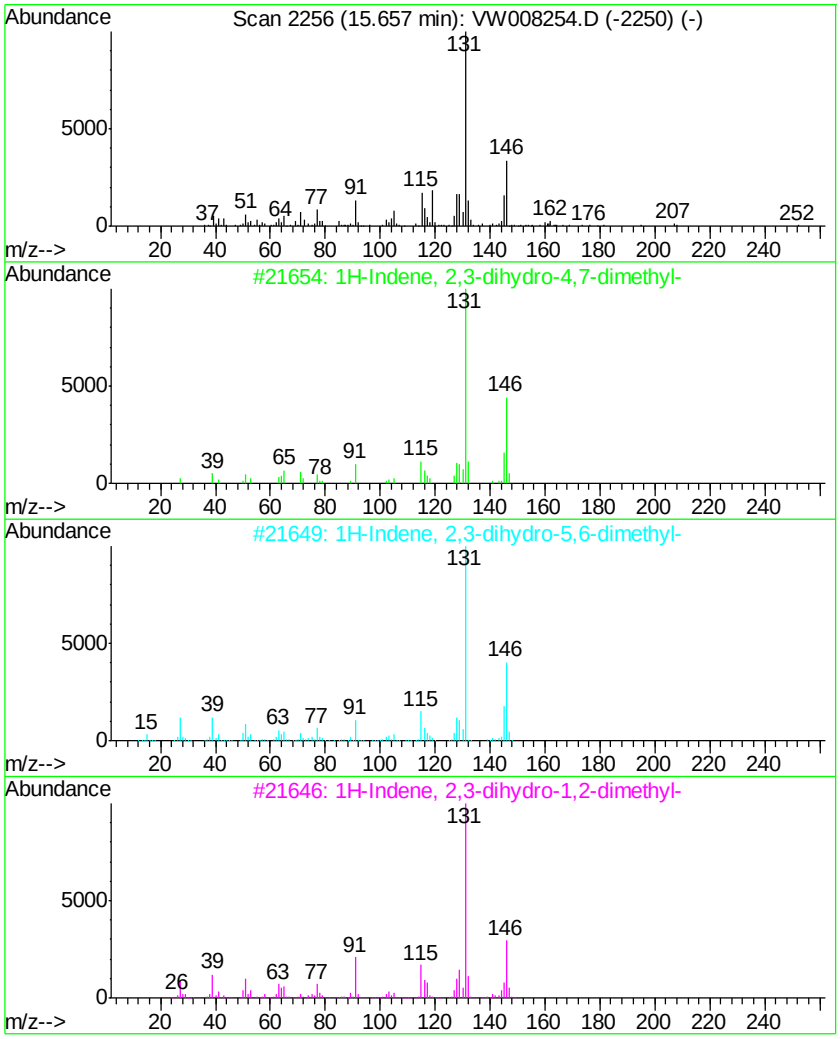
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

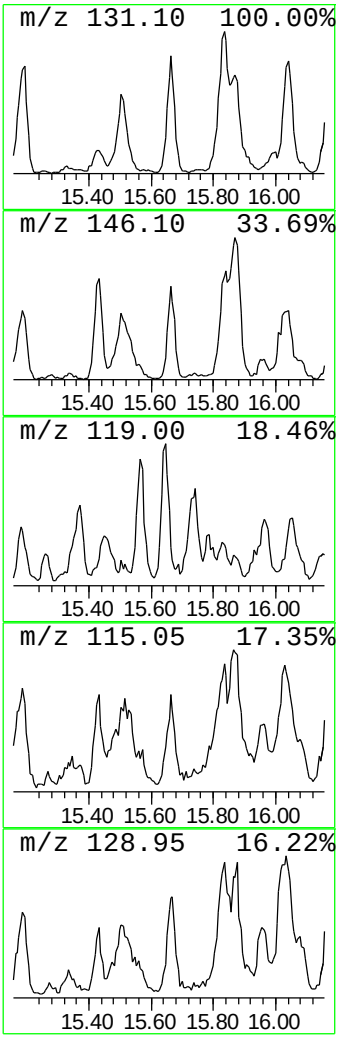
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	19.43 ug/l	170477	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	96
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	95
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	90





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ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RT-3451

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

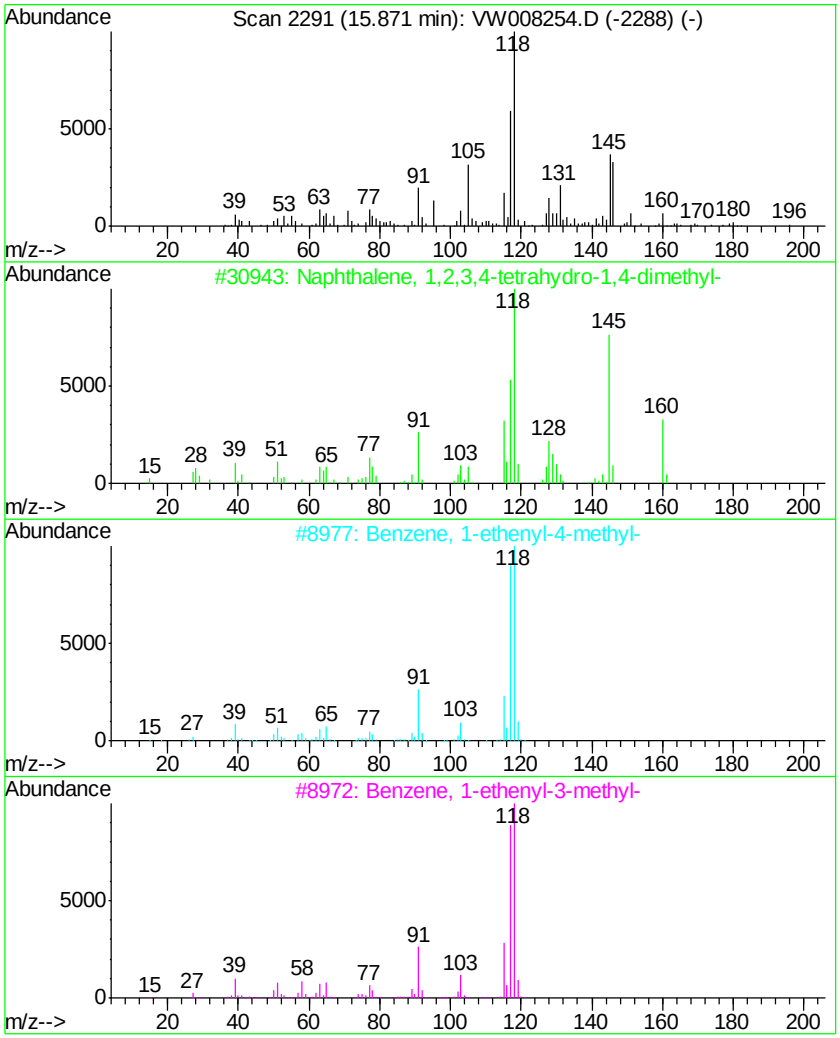
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

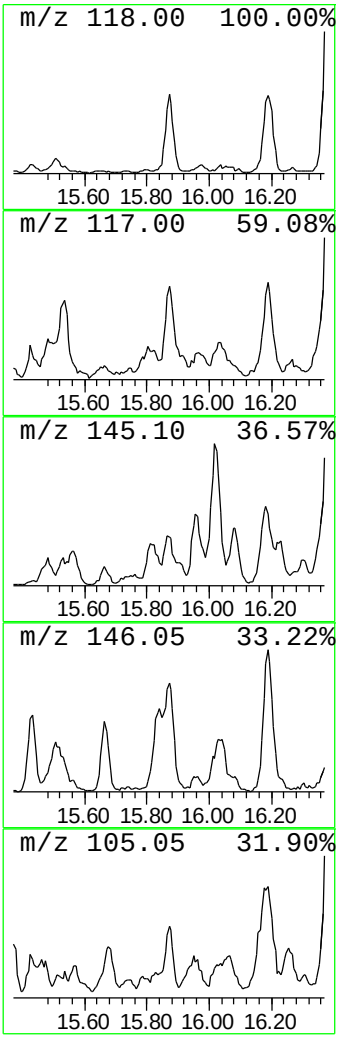
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	15.38 ug/l	134941	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	53
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	45
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	45
4	.alpha.-Methylstyrene	118	C9H10	000098-83-9	43
5	2,5-Dimethylbenzyl cyanide	145	C10H11N	016213-85-7	43





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ClientSampleId : RT-3451

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

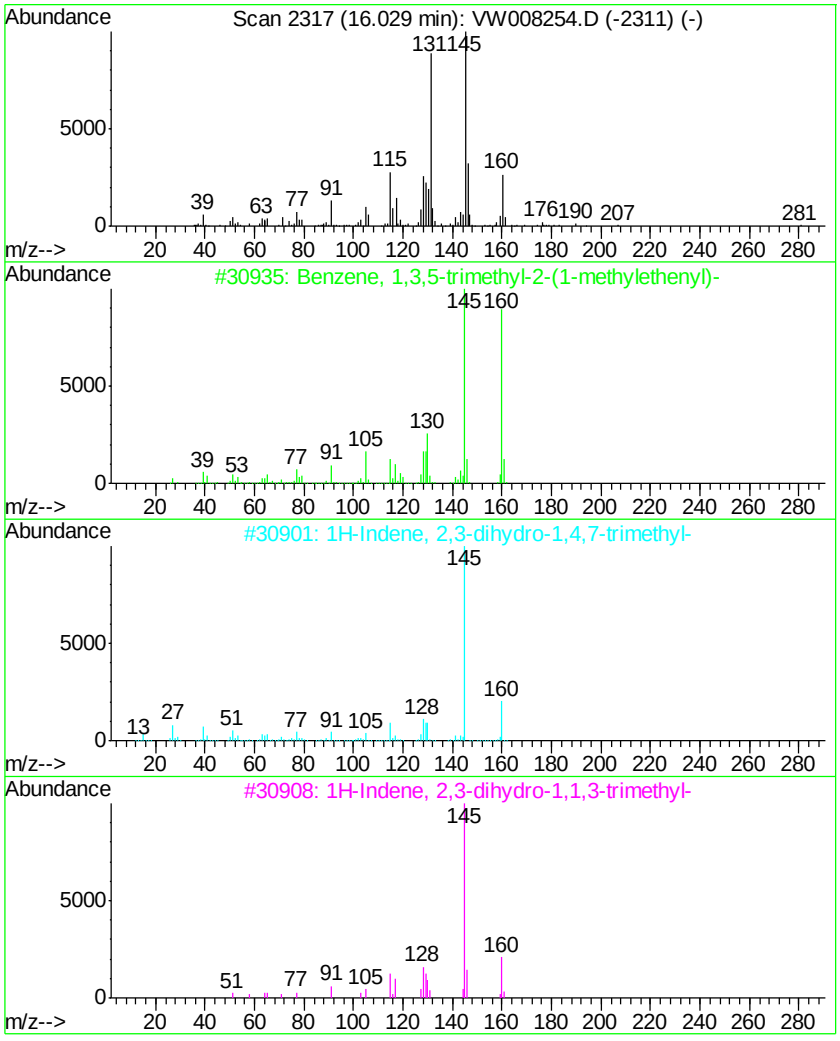
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

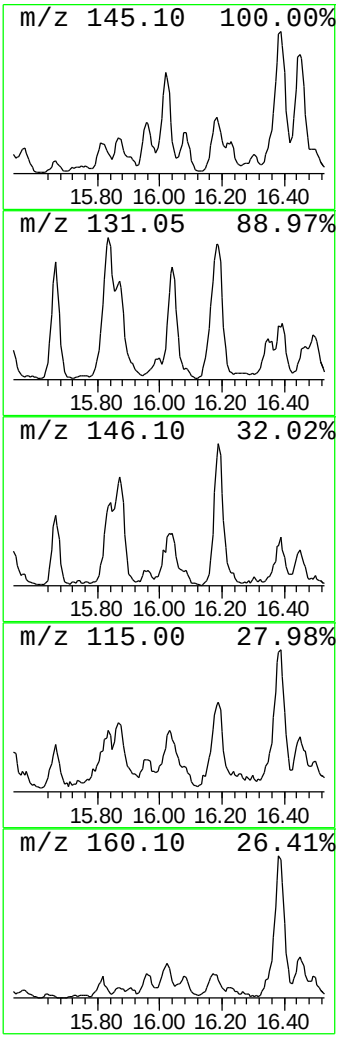
****

Peak Number 7 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	17.96 ug/l	157557	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	55
2	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	53
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	53
4	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	49
5	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	46





Library Search Compound Report

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ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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

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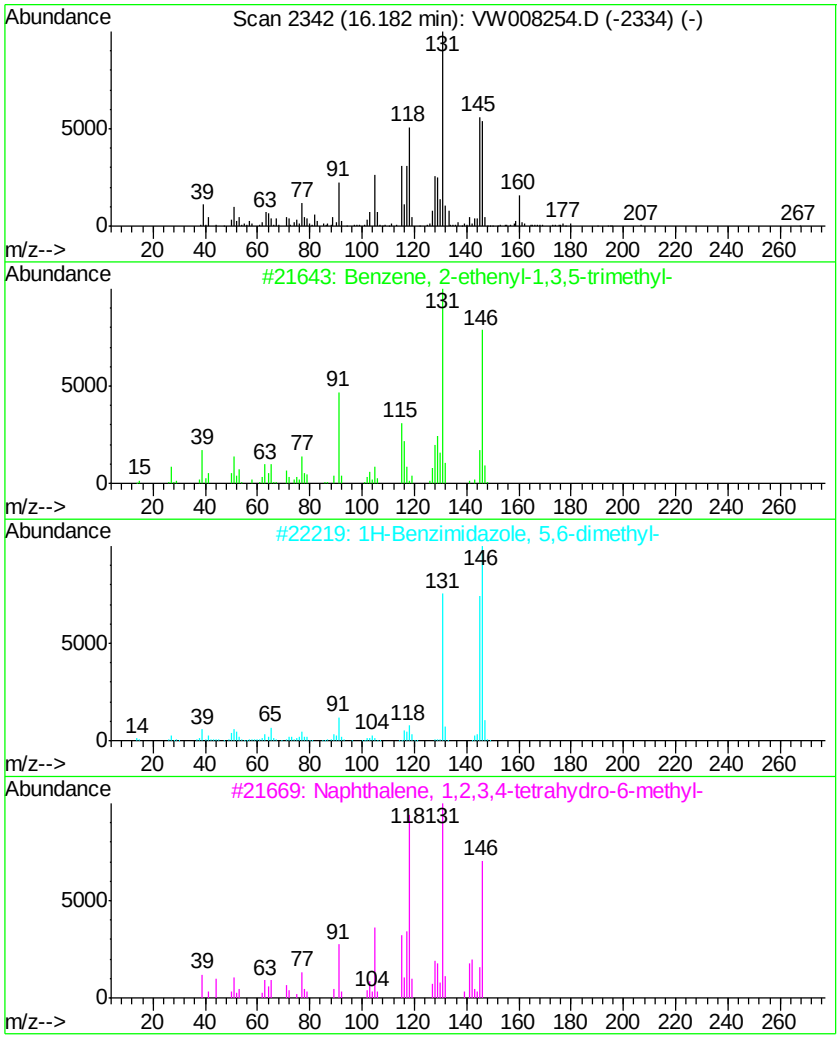
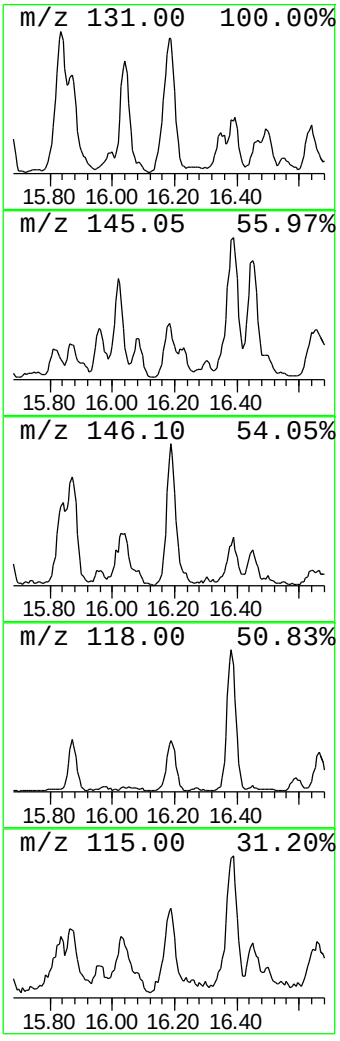
Peak Number 8 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	45.58 ug/l	399924	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	60
2	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	53
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	53
4	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	50
5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	50





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Data File : VW008254.D
Acq On : 14 Jan 2019 18:24
Operator : SY/VA
Sample : K1126-01
Misc : 5.50G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RT-3451

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

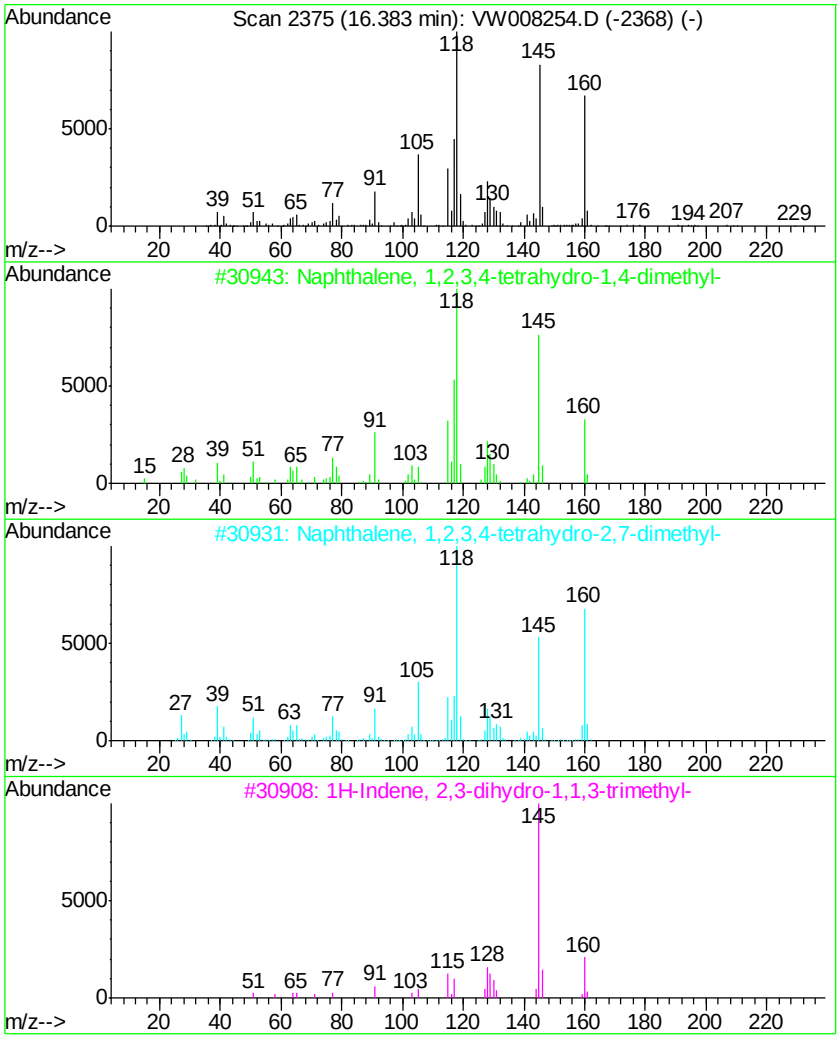
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

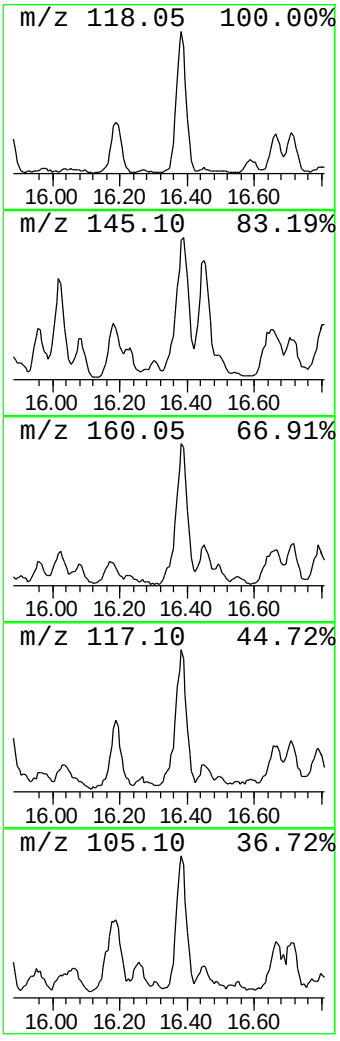
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	49.75 ug/l	436522	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	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	93
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	60
4	4-Chloro-3-fluoroanisole	160	C7H6ClFO	000501-29-1	55
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
Data File : VW008254.D
Acq On : 14 Jan 2019 18:24
Operator : SY/VA
Sample : K1126-01
Misc : 5.50G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RT-3451

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

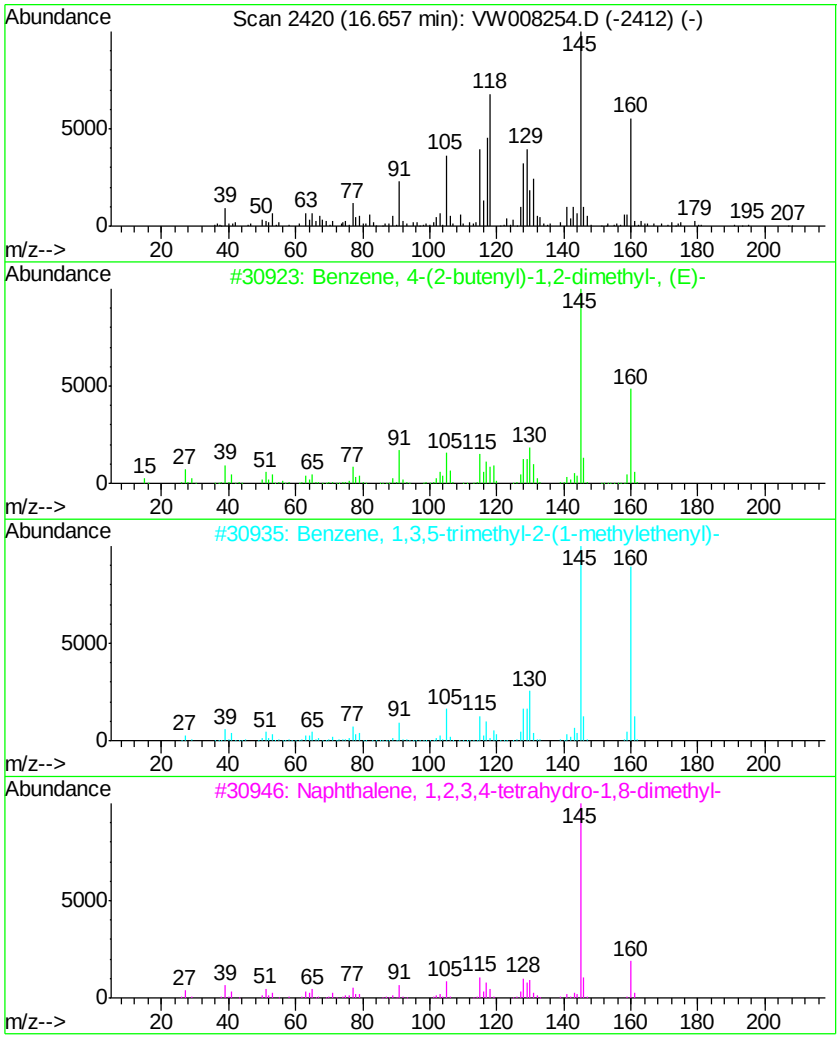
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

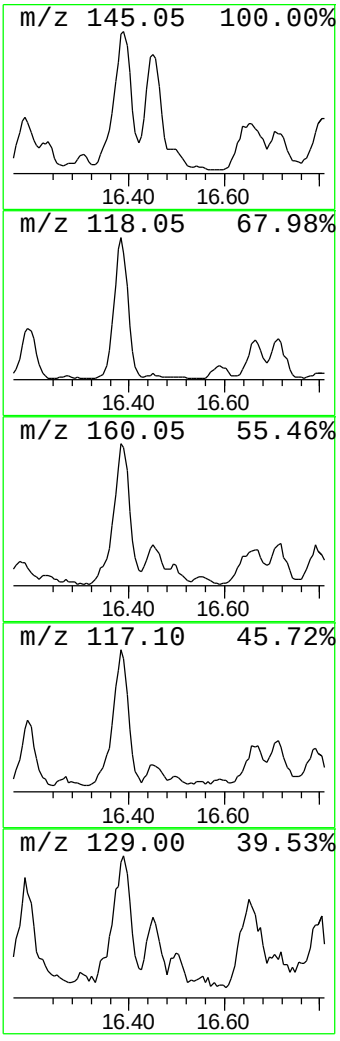
****

Peak Number 10 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	25.30 ug/l	222036	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	81
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	53
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	52
4	Oct-3-ene-1,5-diyne, 3-isopropyl...	160	C12H16	1000211-23-1	49
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011419\
Data File : VW008254.D
Acq On : 14 Jan 2019 18:24
Operator : SY/VA
Sample : K1126-01
Misc : 5.50G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RT-3451

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.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, 1-ethyl-...	14.80	13.5	ug/l	118812	4	13.56	438736	50.0
Benzene, 1-ethyl-...	15.07	13.5	ug/l	118269	4	13.56	438736	50.0
2-Butene, 3-chlor...	15.19	17.9	ug/l	156614	4	13.56	438736	50.0
Nonane, 3-methyl-	15.33	13.1	ug/l	115100	4	13.56	438736	50.0
1H-Indene, 2,3-di...	15.66	19.4	ug/l	170477	4	13.56	438736	50.0
Naphthalene, 1,2,...	15.87	15.4	ug/l	134941	4	13.56	438736	50.0
Benzene, 1,3,5-tr...	16.03	18.0	ug/l	157557	4	13.56	438736	50.0
Benzene, 2-etheny...	16.18	45.6	ug/l	399924	4	13.56	438736	50.0
Naphthalene, 1,2,...	16.38	49.8	ug/l	436522	4	13.56	438736	50.0
Benzene, 4-(2-but...	16.66	25.3	ug/l	222036	4	13.56	438736	50.0