LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092518\
Data File : VW005626.D
Acq On : 25 Sep 2018 21:45
Operator : VA/AP
Sample : J5042-04
Misc : 5.07G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 2018-NYSEG-CLARK-PH4-AREA-9-

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\82W092118S.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	8.330	1044	1054	1066	rVB	251047	555128	5.40%	0.884%
2	10.390	1385	1392	1403	rVB	878115	1520478	14.80%	2.423%
3	11.737	1606	1613	1621	rBV	643883	996429	9.70%	1.588%
4	11.841	1621	1630	1640	rVV	2117829	3798599	36.97%	6.052%
5	12.170	1678	1684	1693	rVB	1174712	1922283	18.71%	3.063%
6	12.469	1724	1733	1748	rBV	288081	469761	4.57%	0.748%
7	12.871	1793	1799	1803	rBV	1297833	2185131	21.27%	3.482%
8	12.908	1803	1805	1808	rVV	669728	815186	7.93%	1.299%
9	12.951	1808	1812	1818	rVB	1202206	1788056	17.40%	2.849%
10	13.109	1832	1838	1847	rBV	226983	436877	4.25%	0.696%
11	13.256	1853	1862	1867	rBV	2383713	3638071	35.41%	5.797%
12	13.304	1867	1870	1875	rVV	223758	348127	3.39%	0.555%
13	13.451	1887	1894	1896	rBV	196831	316049	3.08%	0.504%
14	13.481	1896	1899	1908	rVB2	357885	740696	7.21%	1.180%
15	13.591	1908	1917	1922	rBV	796422	1297278	12.63%	2.067%
16	13.633	1922	1924	1932	rVB	80581	107198	1.04%	0.171%
17	13.768	1932	1946	1959	rBV	5969833	10273630	100.00%	16.369%
18	13.944	1969	1975	1982	rBV	1456009	2302415	22.41%	3.668%
19	14.018	1982	1987	1989	rBV	108261	159428	1.55%	0.254%
20	14.048	1989	1992	1996	rVB	117354	162145	1.58%	0.258%
21	14.103	1996	2001	2006	rBV	380758	571984	5.57%	0.911%
22	14.243	2013	2024	2029	rVB3	287049	619023	6.03%	0.986%
23	14.402	2044	2050	2057	rVV2	601698	1382272	13.45%	2.202%
24	14.493	2057	2065	2073	rVV2	919457	2372034	23.09%	3.779%
25	14.566	2073	2077	2088	rVB4	138141	297963	2.90%	0.475%
26	14.694	2093	2098	2104	rBV	483372	765789	7.45%	1.220%
27	14.810	2110	2117	2123	rBV3	357464	808483	7.87%	1.288%
28	14.883	2123	2129	2135	rVV	1001480	1634264	15.91%	2.604%
29	14.963	2135	2142	2150	rVV	1868637	3036224	29.55%	4.838%
30	15.072	2151	2160	2172	rVB3	133026	350150	3.41%	0.558%
31	15.298	2190	2197	2204	rBV2	372897	980490	9.54%	1.562%
32	15.377	2204	2210	2218	rVV	3386949	6042129	58.81%	9.627%
33	15.462	2218	2224	2234	rVV2	228904	764038	7.44%	1.217%
34	15.670	2251	2258	2261	rBV	49674	107440	1.05%	0.171%

LSC Area Percent Report

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Operator : VA/AP
Sample : J5042-04
Misc : 5.07G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 2018-NYSEG-CLARK-PH4-AREA-9-

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\82W092118S.M
Title : SW846 8260

35	15.737	2266	2269	2276	rVV2	84449	181115	1.76%	0.289%
36	15.810	2276	2281	2284	rVV	52244	111287	1.08%	0.177%
37	15.859	2284	2289	2294	rVV2	179923	380187	3.70%	0.606%
38	15.907	2294	2297	2302	rVV	74086	138668	1.35%	0.221%
39	15.987	2302	2310	2325	rVV2	132944	395874	3.85%	0.631%
40	16.261	2348	2355	2366	rVB3	77450	229008	2.23%	0.365%
41	16.395	2366	2377	2380	rVV2	81845	245882	2.39%	0.392%
42	16.456	2380	2387	2400	rVB	1302907	2800046	27.25%	4.461%
43	16.584	2400	2408	2412	rBV3	47638	113468	1.10%	0.181%
44	16.657	2412	2420	2430	rVB	2090652	4602071	44.79%	7.332%

Sum of corrected areas: 62762854

LSC Report - Integrated Chromatogram

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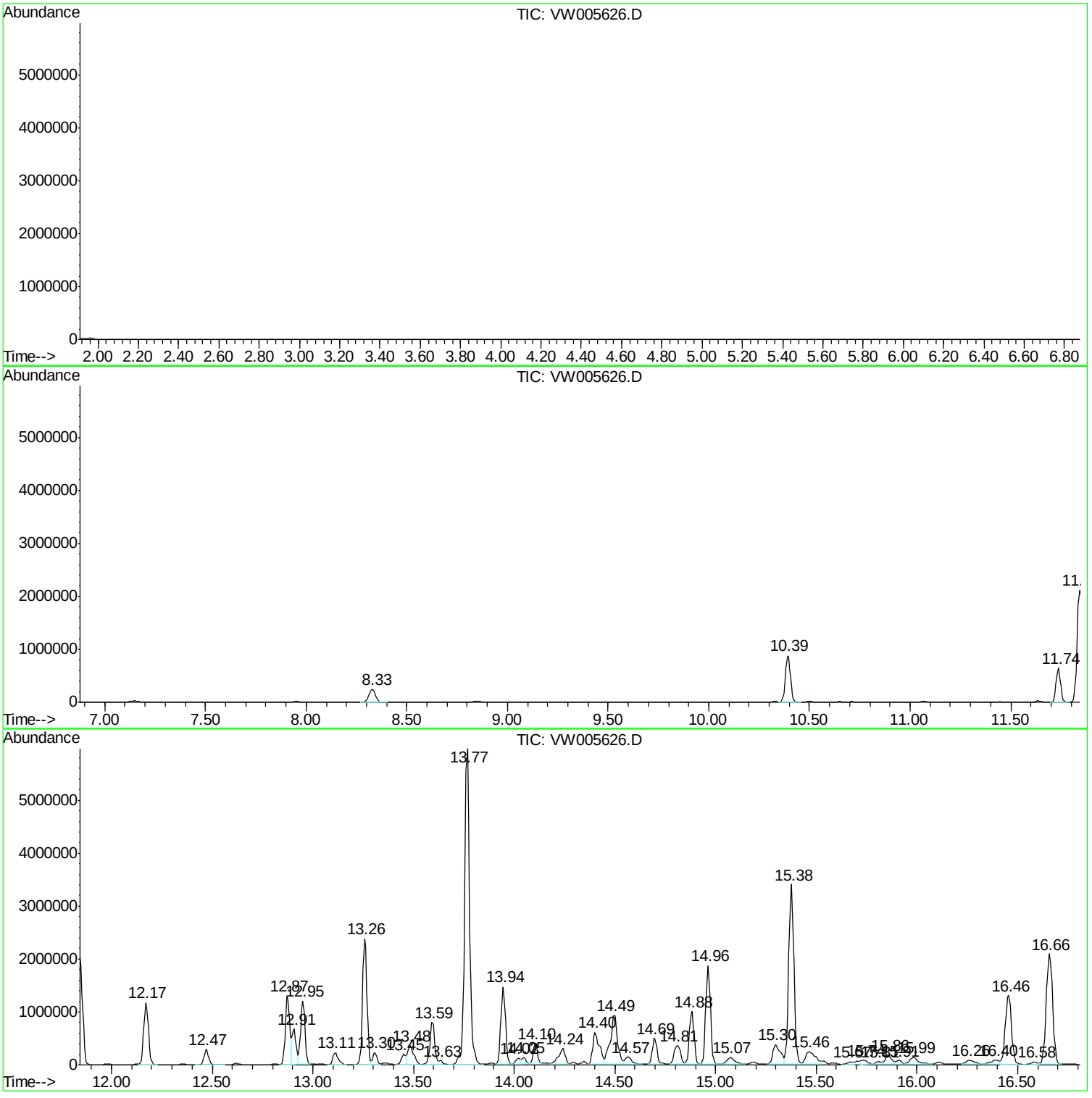
Data File : VW005626.D
Acq On : 25 Sep 2018 21:45
Operator : VA/AP
Sample : J5042-04
Misc : 5.07G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
2018-NYSEG-CLARK-PH4-AREA-9-

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.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\VW092518\
Data File : VW005626.D
Acq On : 25 Sep 2018 21:45
Operator : VA/AP
Sample : J5042-04
Misc : 5.07G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 2018-NYSEG-CLARK-PH4-AREA-9-

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

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

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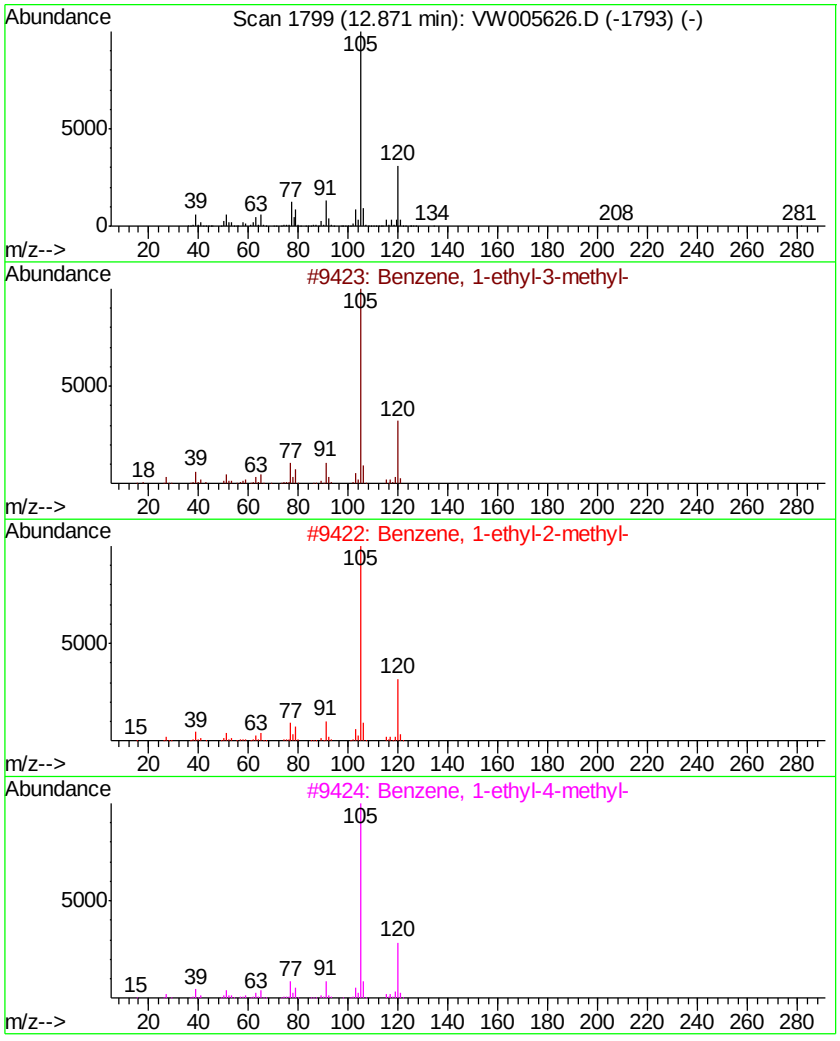
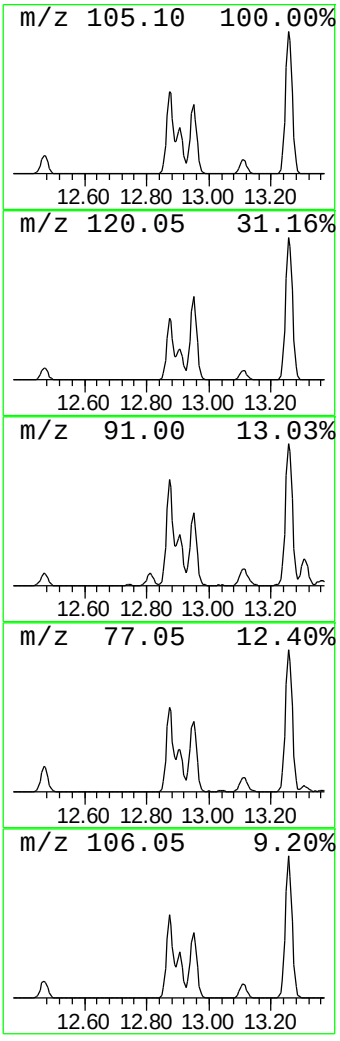
Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	84.22 ug/l	2185130	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092518\
Data File : VW005626.D
Acq On : 25 Sep 2018 21:45
Operator : VA/AP
Sample : J5042-04
Misc : 5.07G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 2018-NYSEG-CLARK-PH4-AREA-9-

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

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

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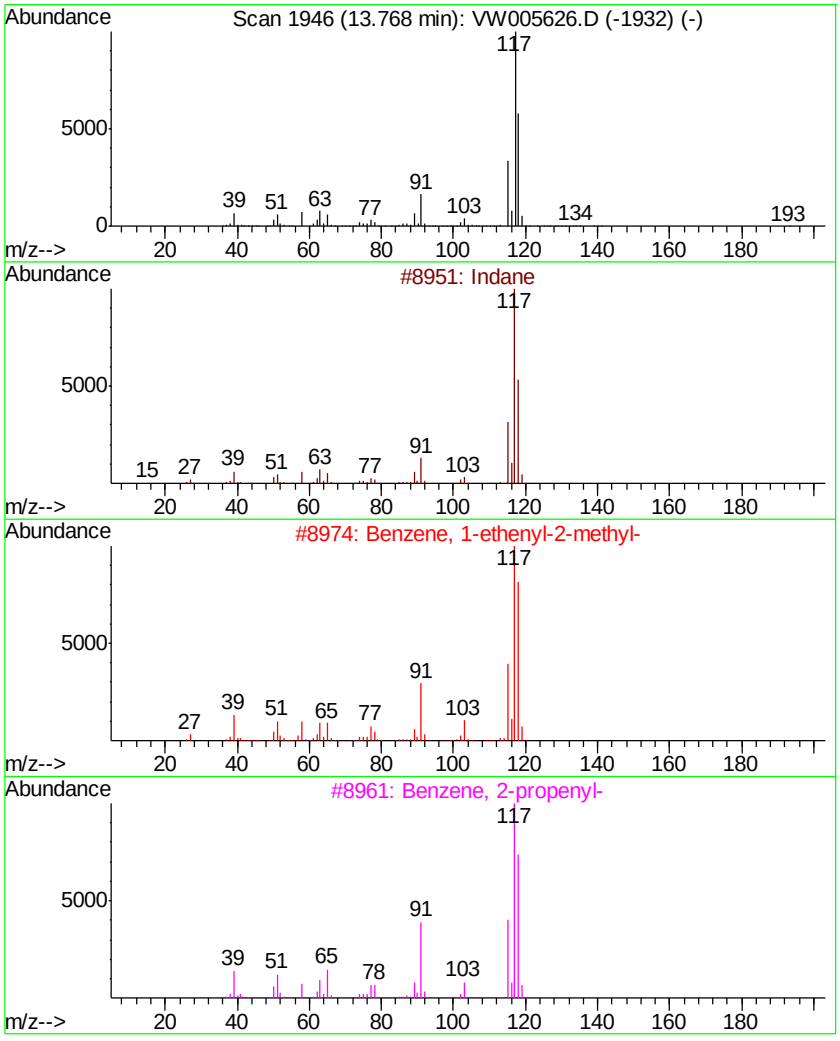
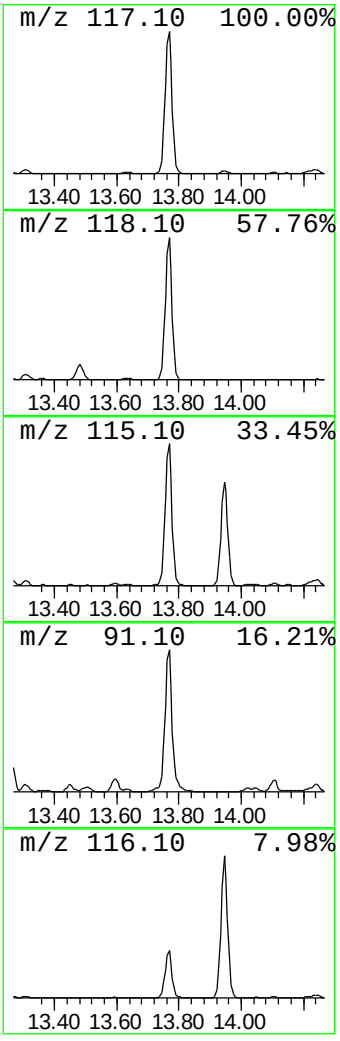
Peak Number 2 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	395.97 ug/l	10273600	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	87
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
4	Deltacyclene	118	C9H10	007785-10-6	80
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092518\
Data File : VW005626.D
Acq On : 25 Sep 2018 21:45
Operator : VA/AP
Sample : J5042-04
Misc : 5.07G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 2018-NYSEG-CLARK-PH4-AREA-9-

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

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

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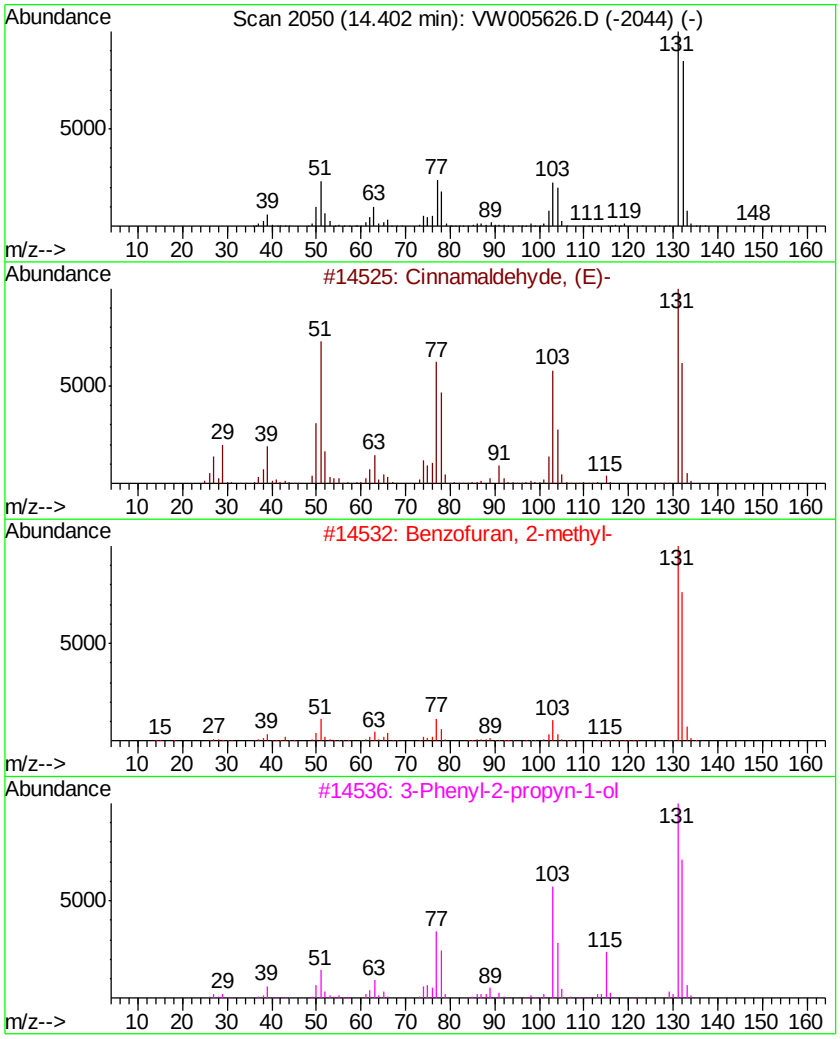
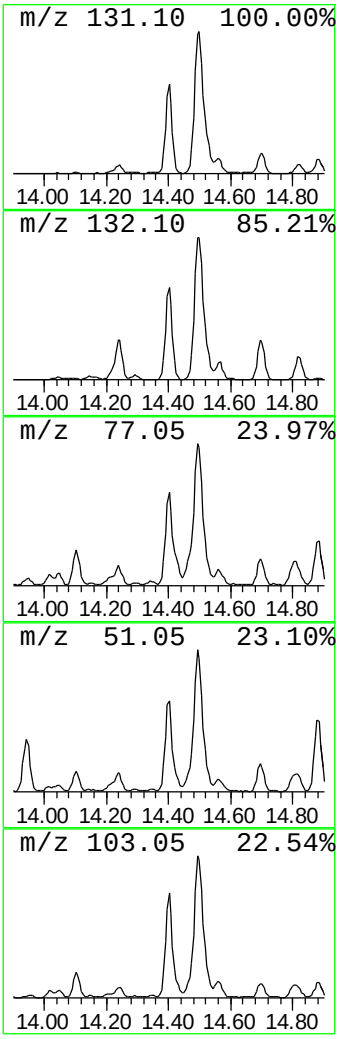
Peak Number 4 Cinnamaldehyde, (E)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	53.28 ug/l	1382270	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	93
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	83
5	Benzenemethanol, .alpha.-ethynyl-	132	C9H8O	004187-87-5	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092518\
Data File : VW005626.D
Acq On : 25 Sep 2018 21:45
Operator : VA/AP
Sample : J5042-04
Misc : 5.07G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 2018-NYSEG-CLARK-PH4-AREA-9-

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

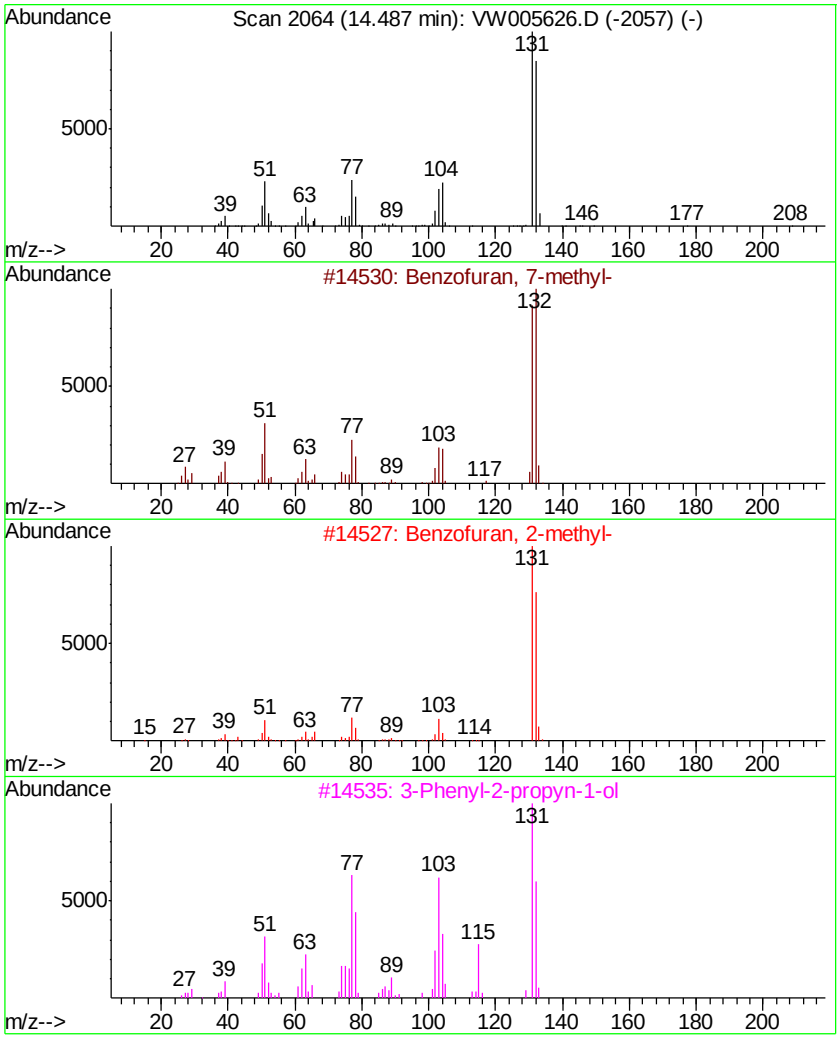
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

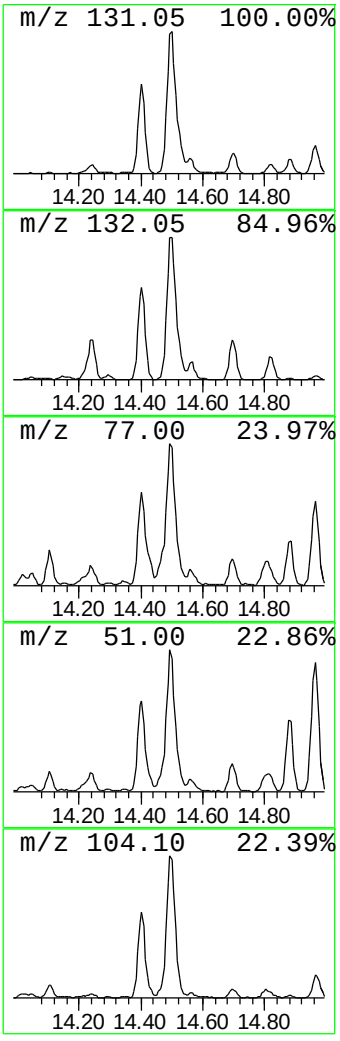
****

Peak Number 5 Benzofuran, 7-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	91.42 ug/l	2372030	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	96
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092518\
Data File : VW005626.D
Acq On : 25 Sep 2018 21:45
Operator : VA/AP
Sample : J5042-04
Misc : 5.07G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 2018-NYSEG-CLARK-PH4-AREA-9-

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

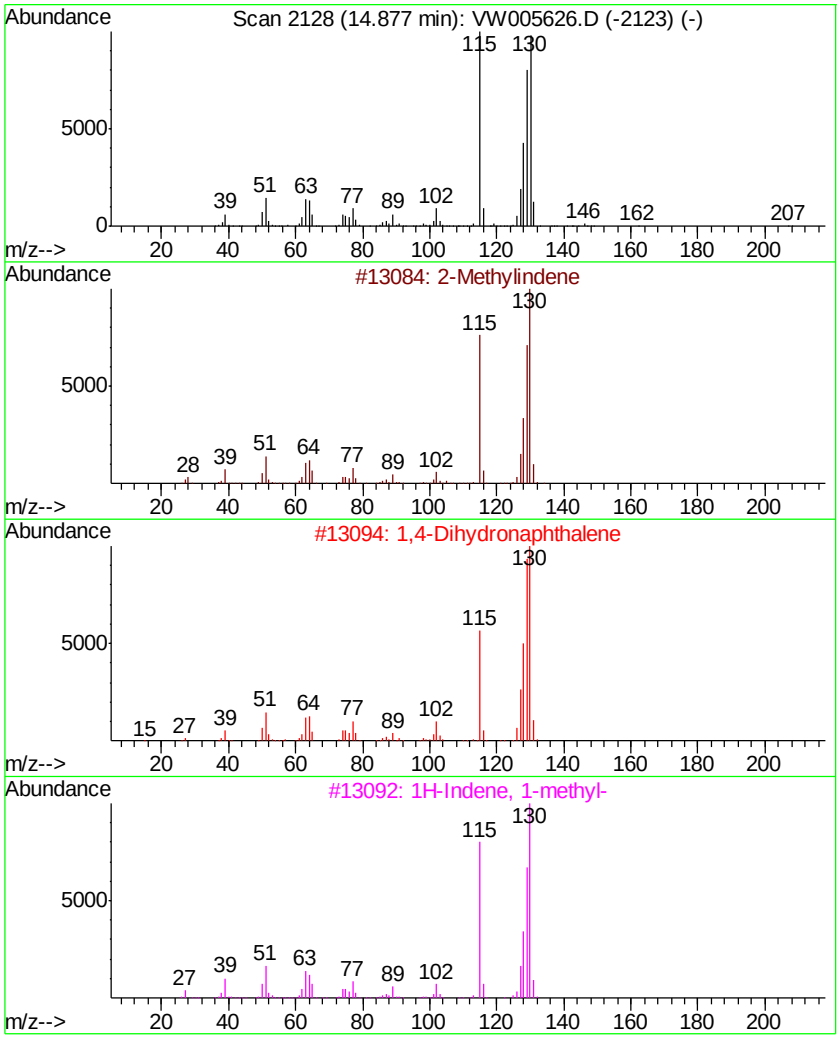
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

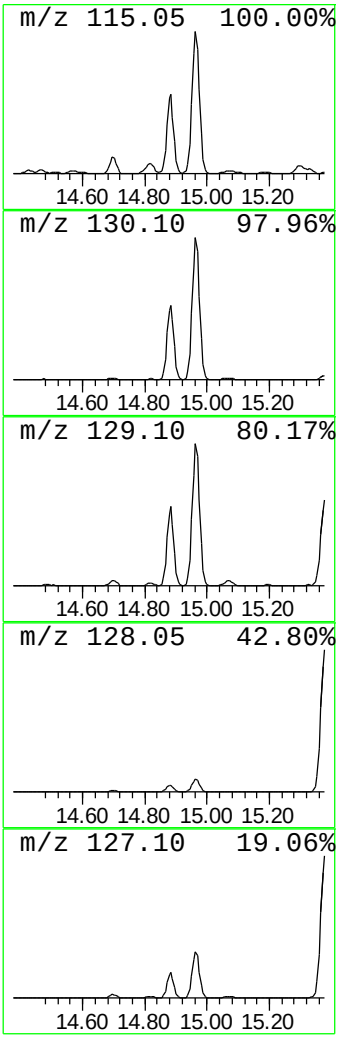
****

Peak Number 6 2-Methylindene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	62.99 ug/l	1634260	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93





Library Search Compound Report

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Acq On : 25 Sep 2018 21:45
Operator : VA/AP
Sample : J5042-04
Misc : 5.07G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 2018-NYSEG-CLARK-PH4-AREA-9-

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

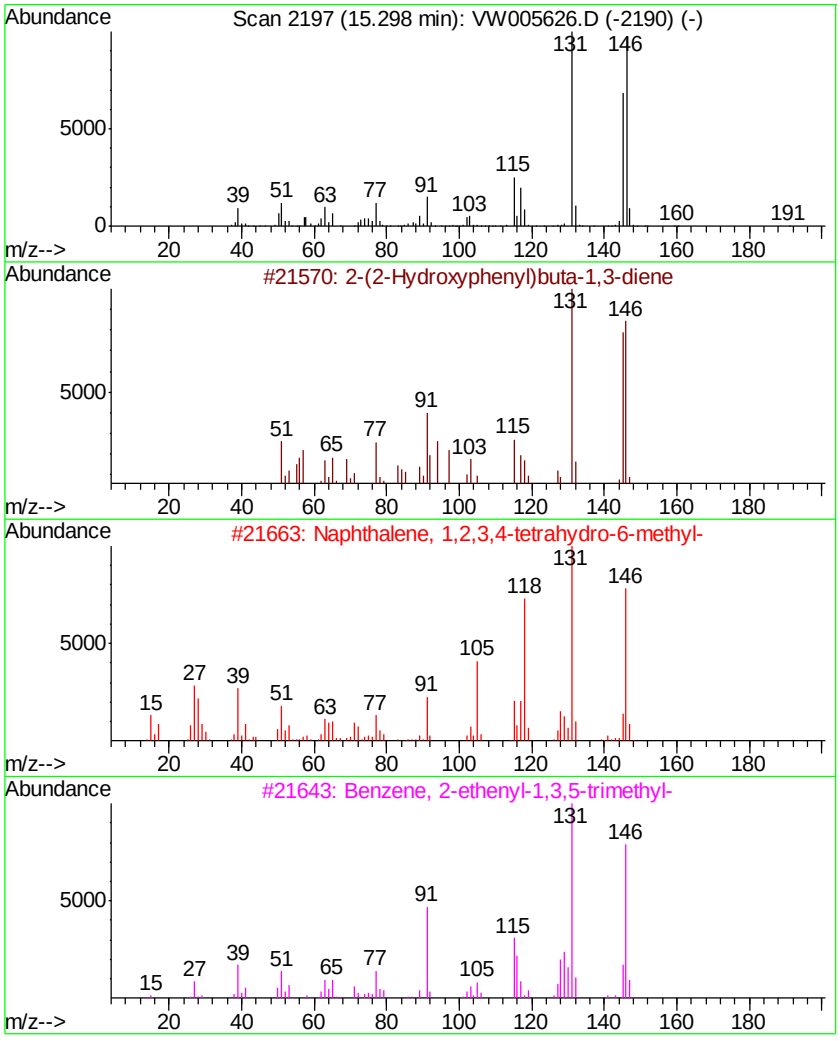
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

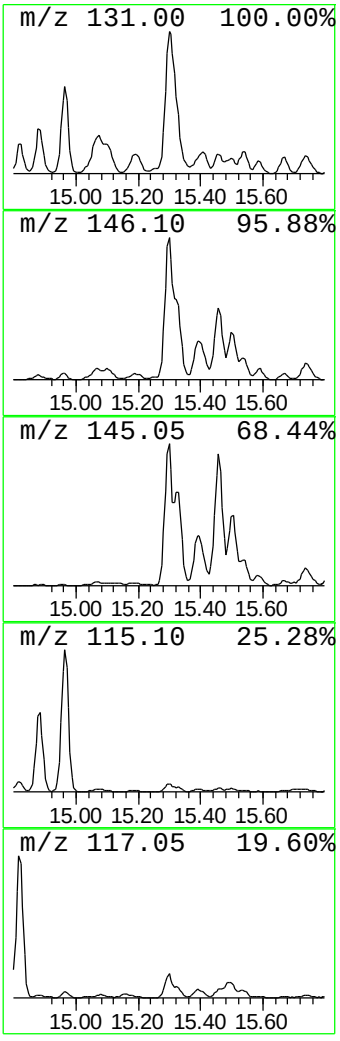
****

Peak Number 8 2-(2-Hydroxyphenyl)buta-1,3... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	37.79 ug/l	980490	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	86
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	72
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	72
4	1H-Indazole, 5,7-dimethyl-	146	C9H10N2	043067-41-0	72
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	72





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ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

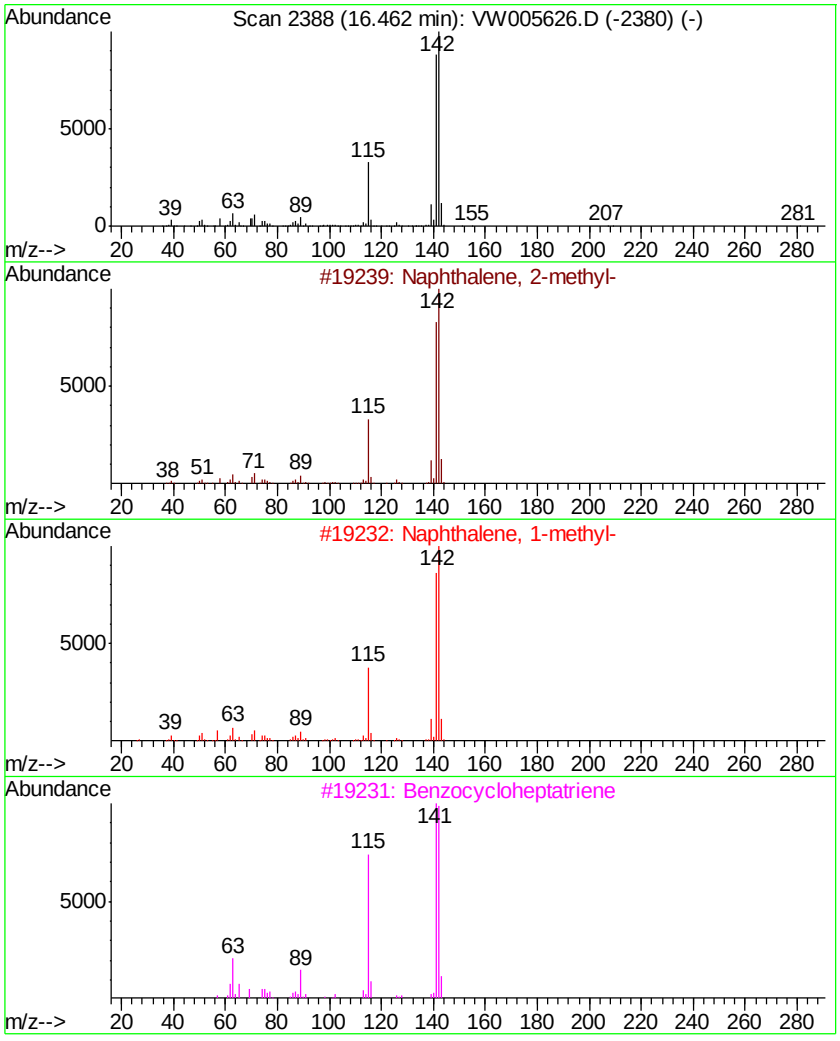
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

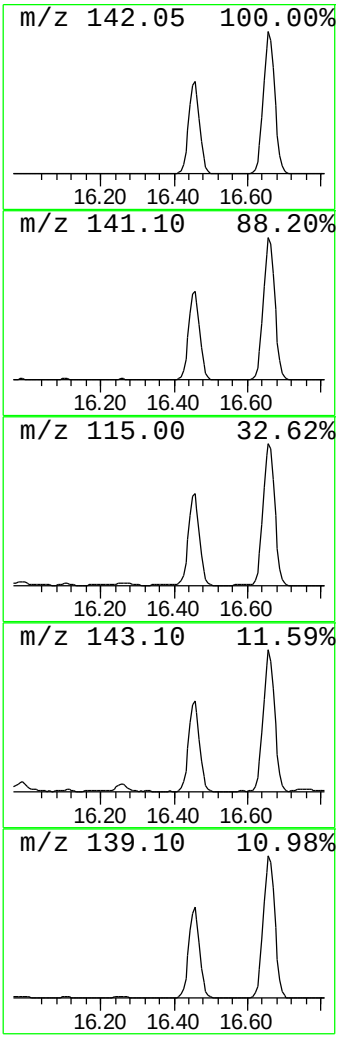
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	107.92 ug/l	2800050	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092518\
Data File : VW005626.D
Acq On : 25 Sep 2018 21:45
Operator : VA/AP
Sample : J5042-04
Misc : 5.07G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 2018-NYSEG-CLARK-PH4-AREA-9-

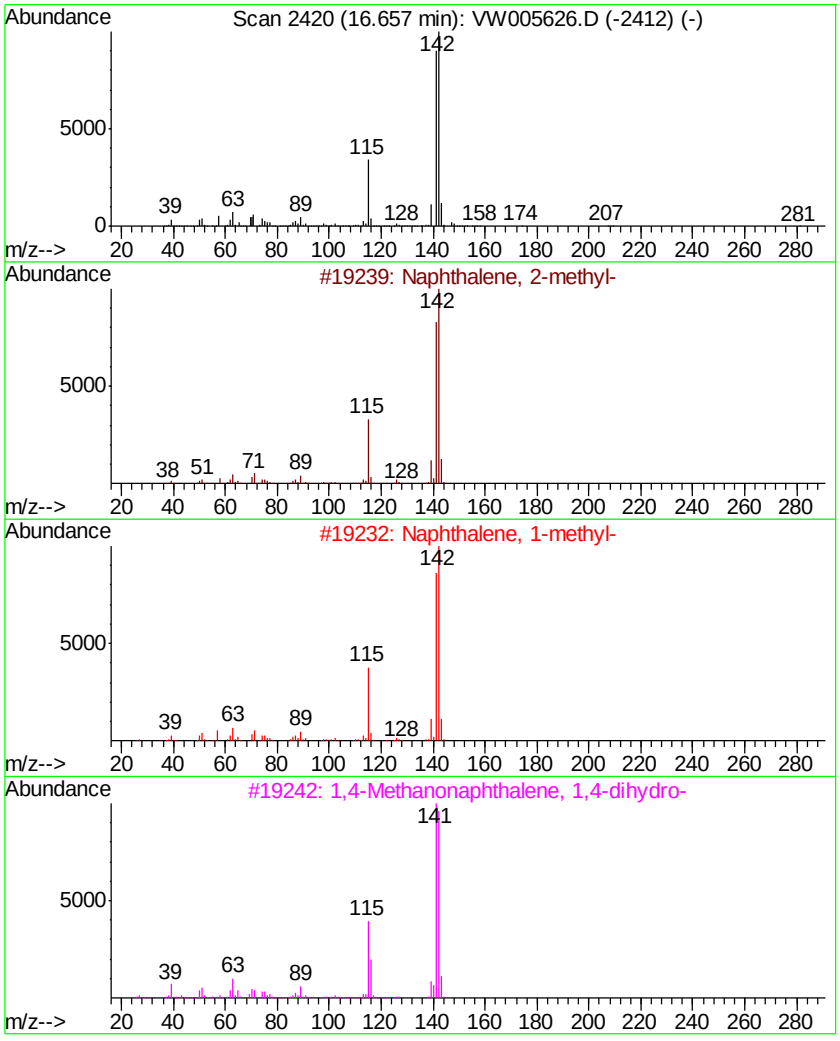
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260

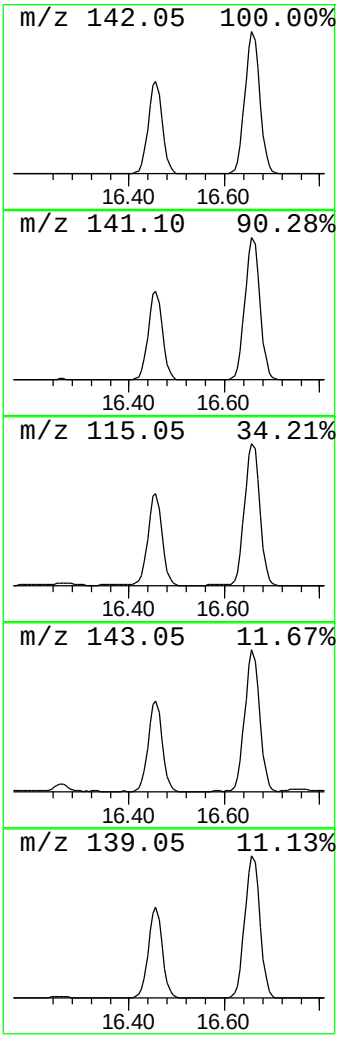
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	177.37 ug/l	4602070	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092518\
Data File : VW005626.D
Acq On : 25 Sep 2018 21:45
Operator : VA/AP
Sample : J5042-04
Misc : 5.07G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 2018-NYSEG-CLARK-PH4-AREA-9-

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.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-...	12.87	84.2	ug/l	2185130	4	13.56	1297280	50.0
Indane	13.77	396.0	ug/l	10273600	4	13.56	1297280	50.0
Cinnamaldehyde, (E)-	14.40	53.3	ug/l	1382270	4	13.56	1297280	50.0
Benzofuran, 7-met...	14.49	91.4	ug/l	2372030	4	13.56	1297280	50.0
2-Methylindene	14.88	63.0	ug/l	1634260	4	13.56	1297280	50.0
2-(2-Hydroxypheny...	15.30	37.8	ug/l	980490	4	13.56	1297280	50.0
Naphthalene, 1-me...	16.46	107.9	ug/l	2800050	4	13.56	1297280	50.0
1,4-Methanonaphth...	16.66	177.4	ug/l	4602070	4	13.56	1297280	50.0