LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
Data File : VX005733.D
Acq On : 01 Nov 2018 16:58
Operator : JC/MD
Sample : J5377-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RBR-200036

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_X\METHOD\82X103118W.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	6.860	926	936	960	rBV	188346	488644	1.09%	0.342%
2	8.713	1234	1240	1248	rBV	387858	640615	1.43%	0.449%
3	10.116	1463	1470	1484	rBV	394703	557460	1.24%	0.391%
4	10.250	1486	1492	1503	rVV	520821	704002	1.57%	0.493%
5	10.359	1503	1510	1521	rVB	337385	455877	1.01%	0.320%
6	11.810	1738	1748	1752	rBV	536982	675525	1.50%	0.473%
7	12.012	1776	1781	1787	rBV	469338	617808	1.38%	0.433%
8	12.079	1787	1792	1798	rVV	460295	578485	1.29%	0.405%
9	12.304	1823	1829	1836	rBV	7113904	8613282	19.18%	6.037%
10	12.475	1851	1857	1862	rBV	10334704	12376001	27.55%	8.674%
11	12.755	1899	1903	1908	rBV	689389	798989	1.78%	0.560%
12	13.024	1942	1947	1951	rBV	813389	1186525	2.64%	0.832%
13	13.225	1975	1980	1991	rVB	1324424	1624461	3.62%	1.139%
14	13.353	1995	2001	2005	rBV	1797770	2128880	4.74%	1.492%
15	13.481	2016	2022	2028	rBV	7049786	8527812	18.98%	5.977%
16	13.847	2075	2082	2087	rVB	35569394	44918766	100.00%	31.484%
17	13.932	2090	2096	2101	rBV	941452	1202993	2.68%	0.843%
18	14.706	2217	2223	2231	rVB	21971062	26039637	57.97%	18.251%
19	14.791	2231	2237	2240	rVV	352573	482676	1.07%	0.338%
20	14.846	2240	2246	2257	rVB	10305940	12306422	27.40%	8.626%
21	15.273	2306	2316	2322	rBV	2243881	3027469	6.74%	2.122%
22	15.444	2334	2344	2348	rBV	463589	690236	1.54%	0.484%
23	15.547	2355	2361	2367	rBV	616952	1013253	2.26%	0.710%
24	15.688	2373	2384	2388	rBV	773904	1315852	2.93%	0.922%
25	15.724	2388	2390	2398	rVB	396154	561455	1.25%	0.394%
26	15.919	2411	2422	2432	rVB2	181362	463652	1.03%	0.325%
27	16.425	2495	2505	2513	rBV	6116285	10676442	23.77%	7.483%

Sum of corrected areas: 142673219

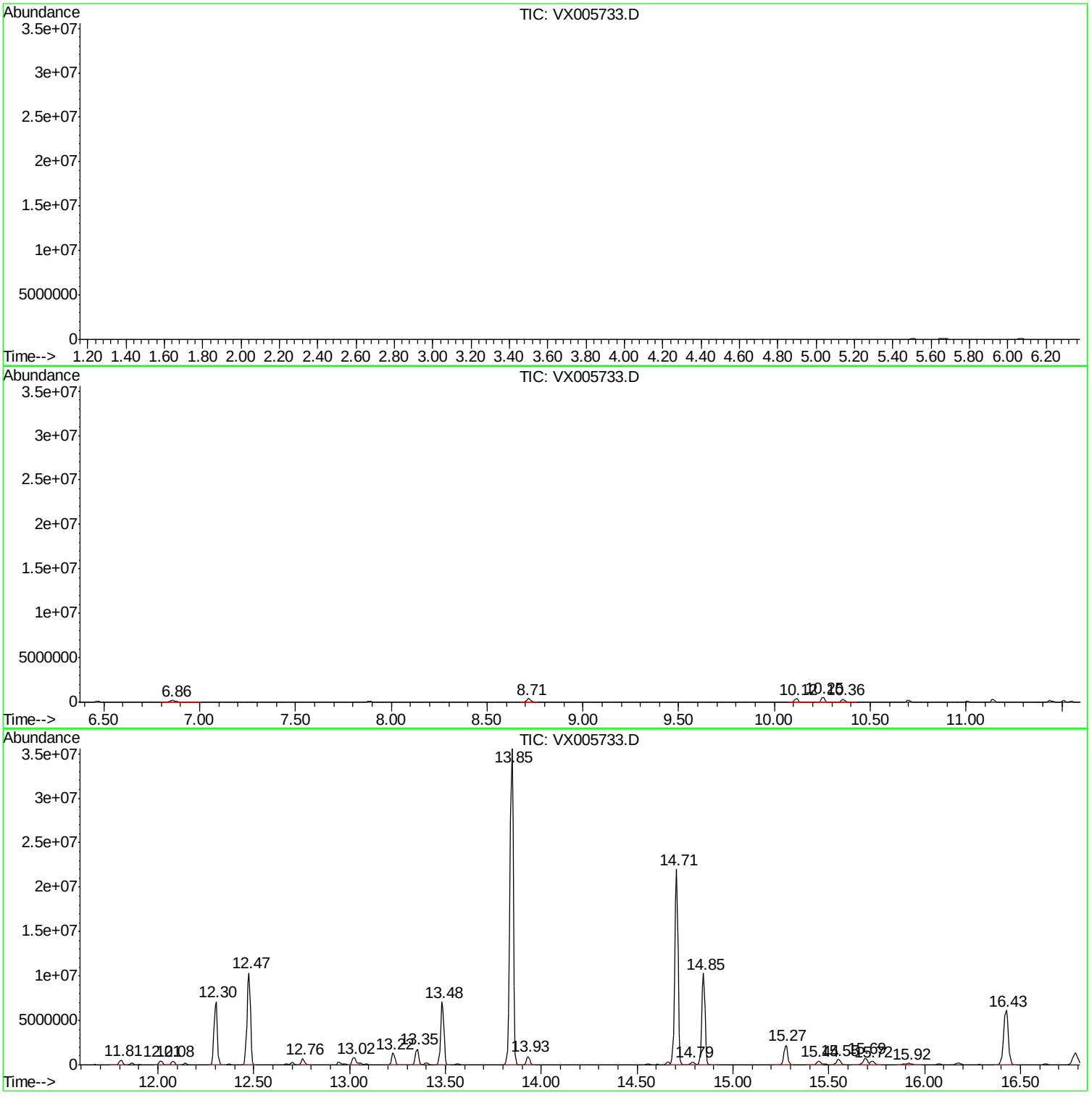
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
Data File : VX005733.D
Acq On : 01 Nov 2018 16:58
Operator : JC/MD
Sample : J5377-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RBR-200036

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.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_X\DATA\VX110118\
Data File : VX005733.D
Acq On : 01 Nov 2018 16:58
Operator : JC/MD
Sample : J5377-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RBR-200036

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260

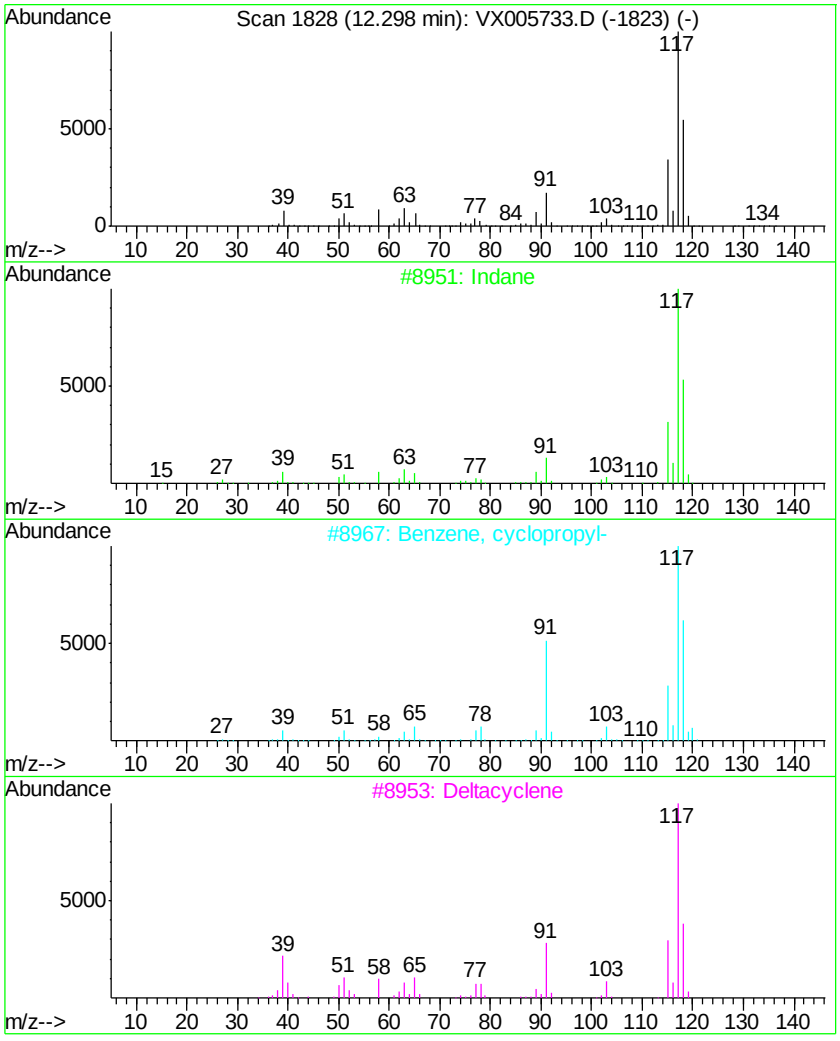
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

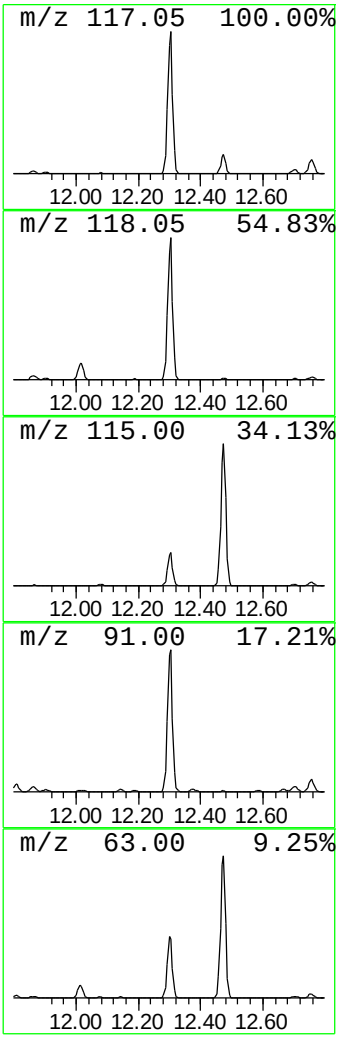
****

Peak Number 1 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	744.47 ug/l	8613280	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	80
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
Data File : VX005733.D
Acq On : 01 Nov 2018 16:58
Operator : JC/MD
Sample : J5377-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RBR-200036

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260

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

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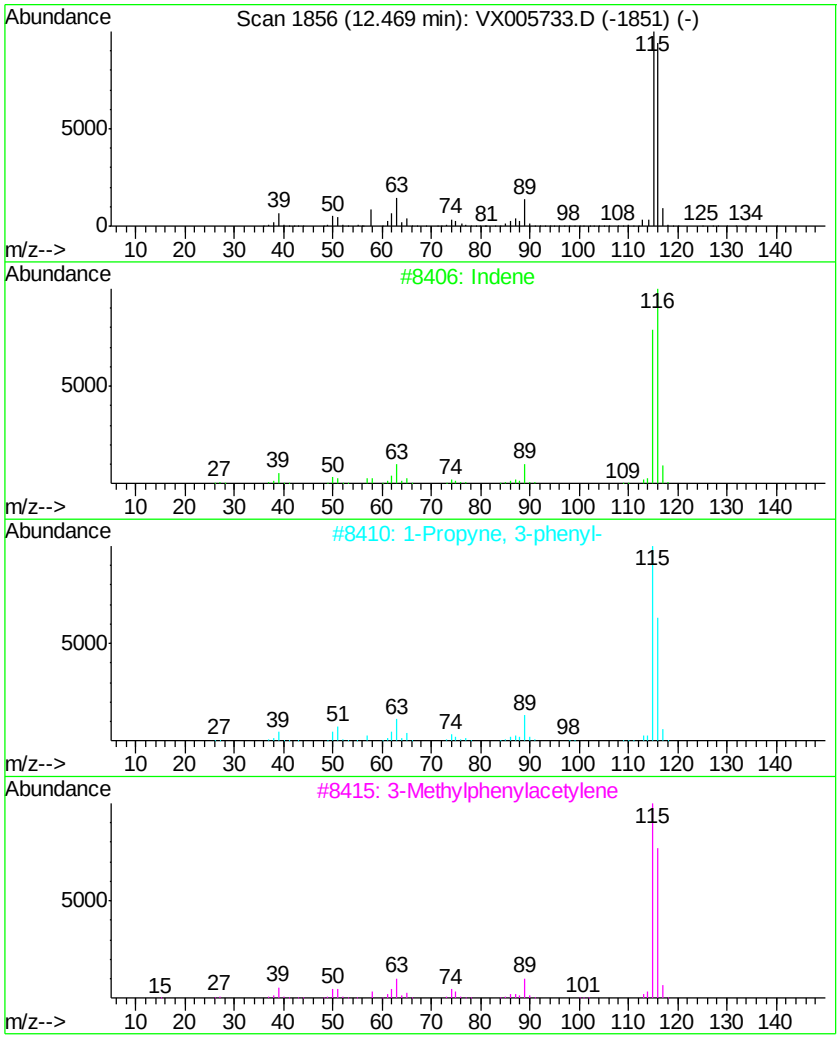
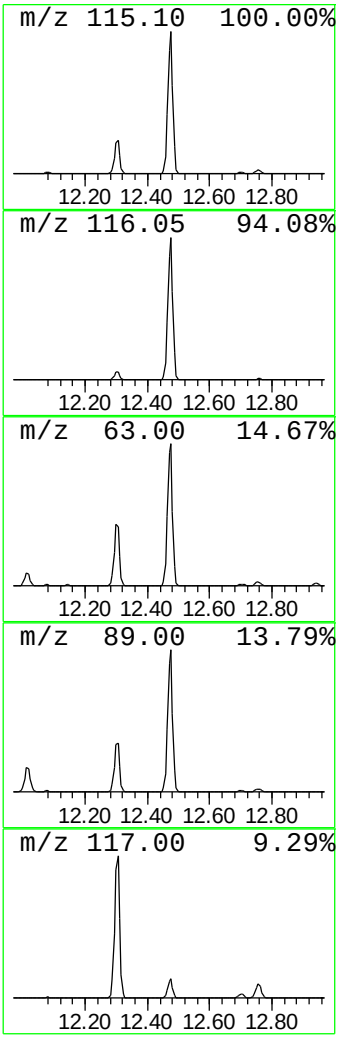
Peak Number 2 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	1069.69 ug/l	12376000	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
Data File : VX005733.D
Acq On : 01 Nov 2018 16:58
Operator : JC/MD
Sample : J5377-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RBR-200036

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260

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

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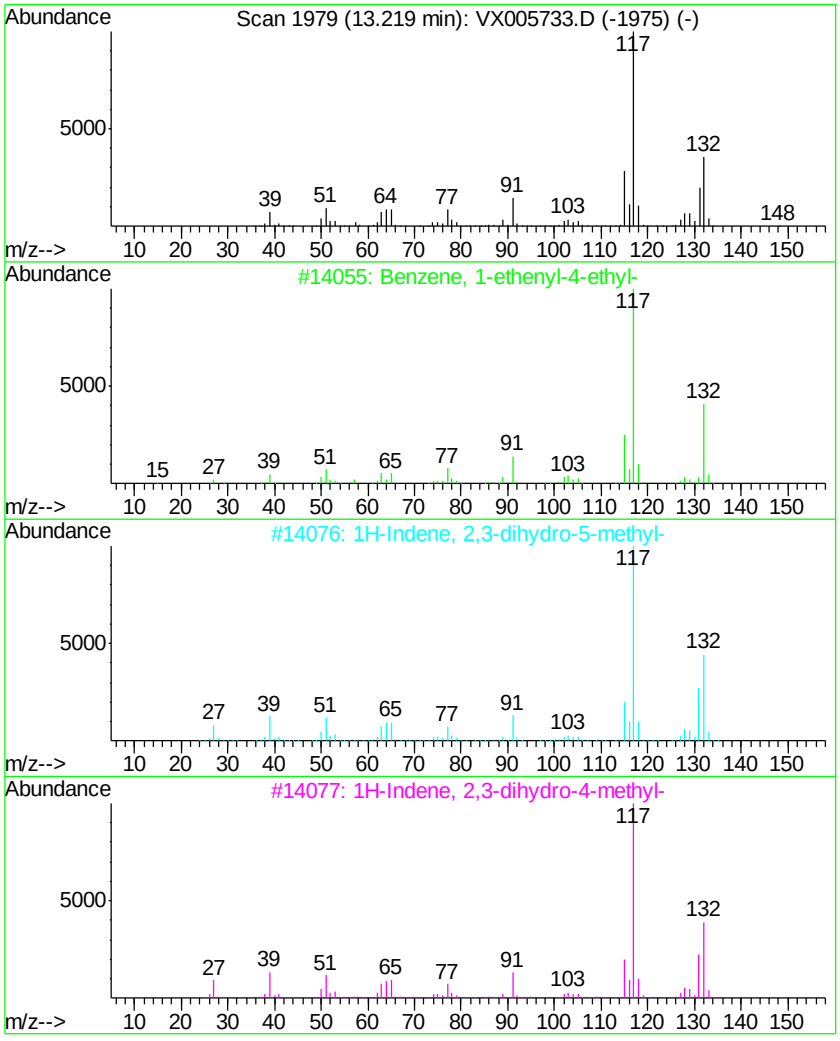
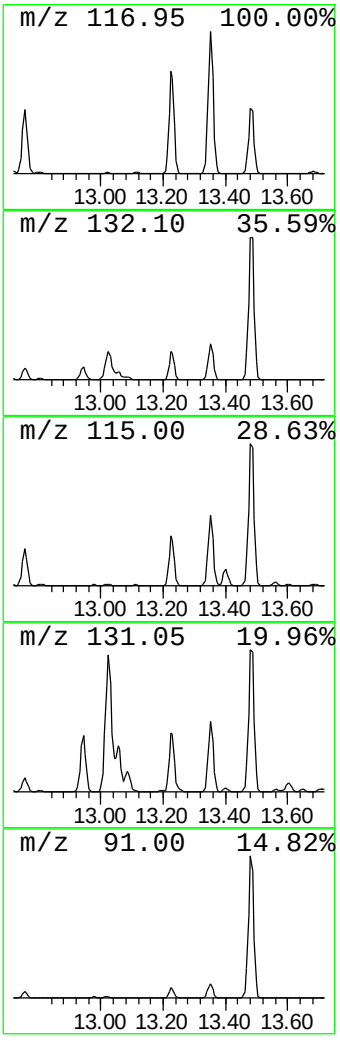
Peak Number 3 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	140.41 ug/l	1624460	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	93
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
Data File : VX005733.D
Acq On : 01 Nov 2018 16:58
Operator : JC/MD
Sample : J5377-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RBR-200036

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260

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

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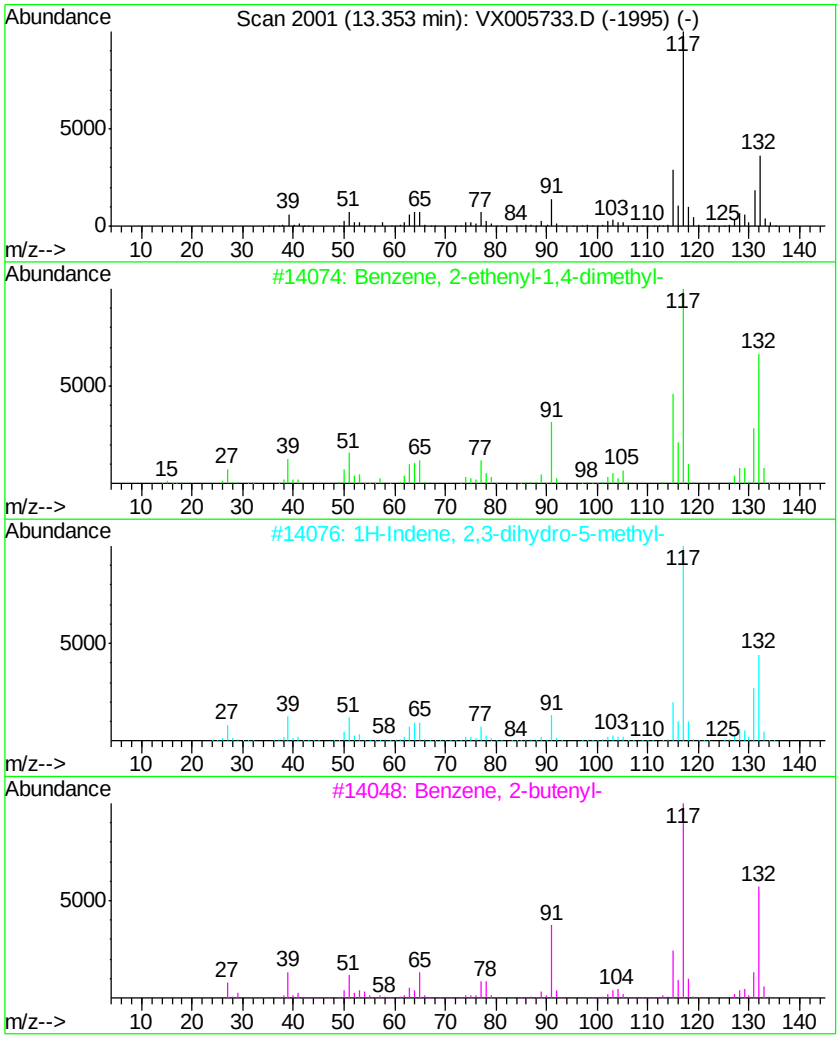
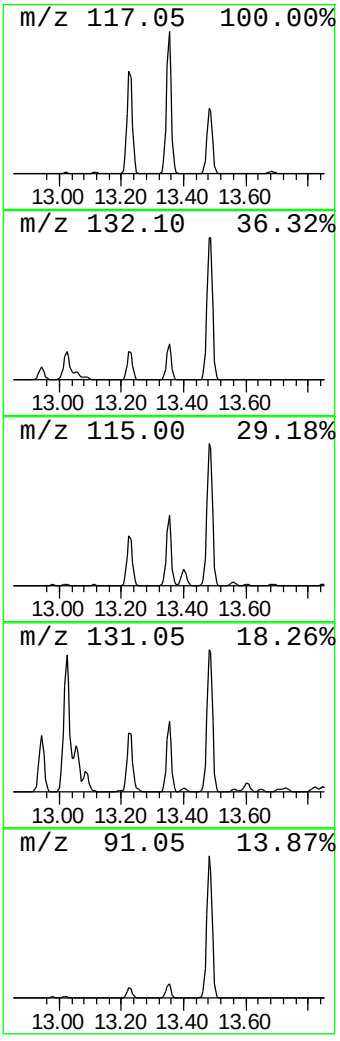
Peak Number 4 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	184.01 ug/l	2128880	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
Data File : VX005733.D
Acq On : 01 Nov 2018 16:58
Operator : JC/MD
Sample : J5377-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RBR-200036

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260

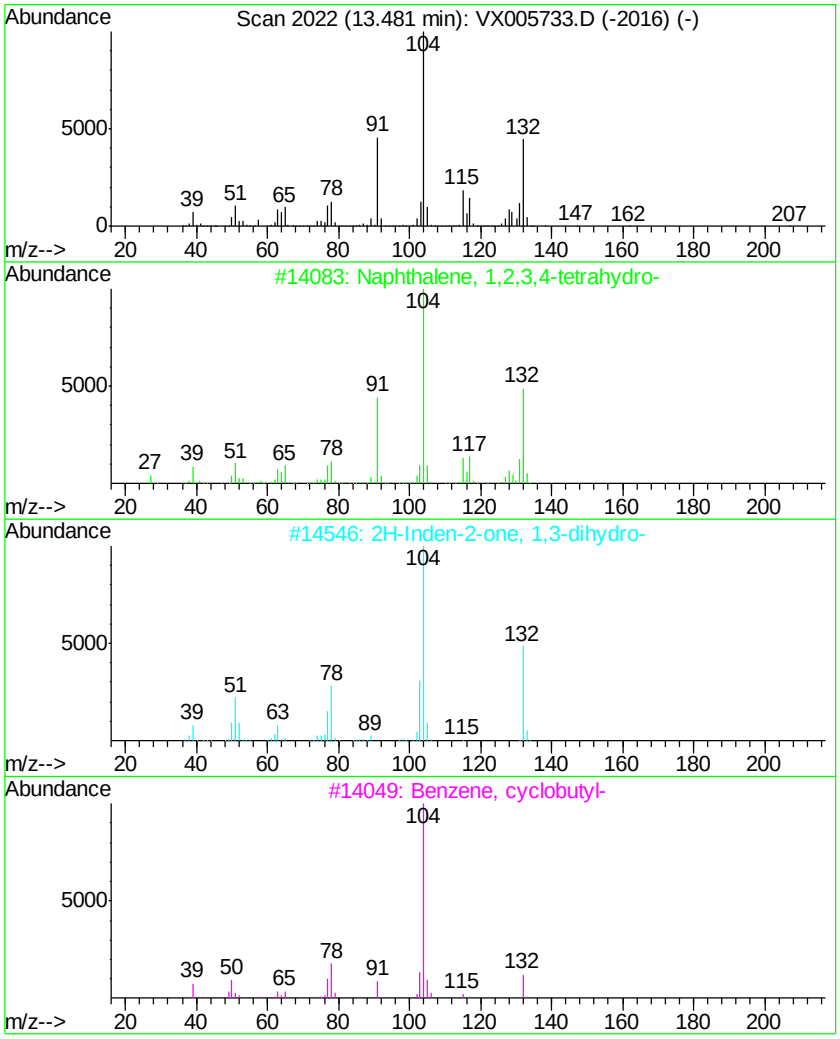
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

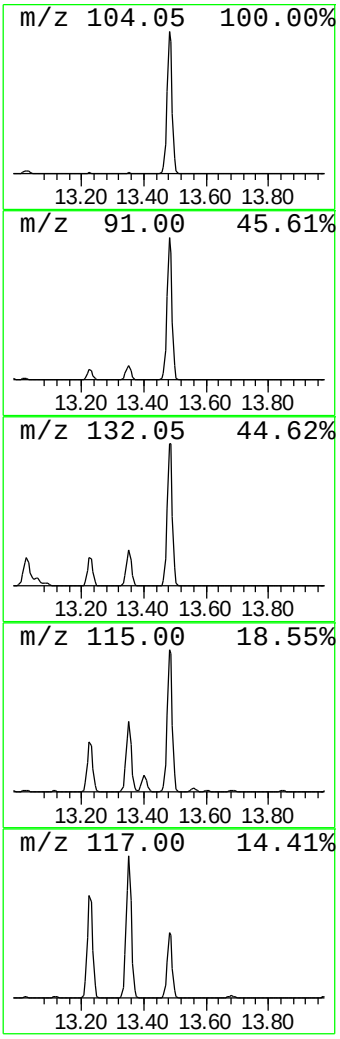
****

Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	737.08 ug/l	8527810	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	62
3	Benzene, cyclobutyl-	132	C10H12	004392-30-7	59
4	Indan, epoxide	132	C9H8O	000768-22-9	50
5	N-Ethylbenzimidoyl bromide	211	C9H10BrN	041182-87-0	40





Library Search Compound Report

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Sample : J5377-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RBR-200036

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260

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

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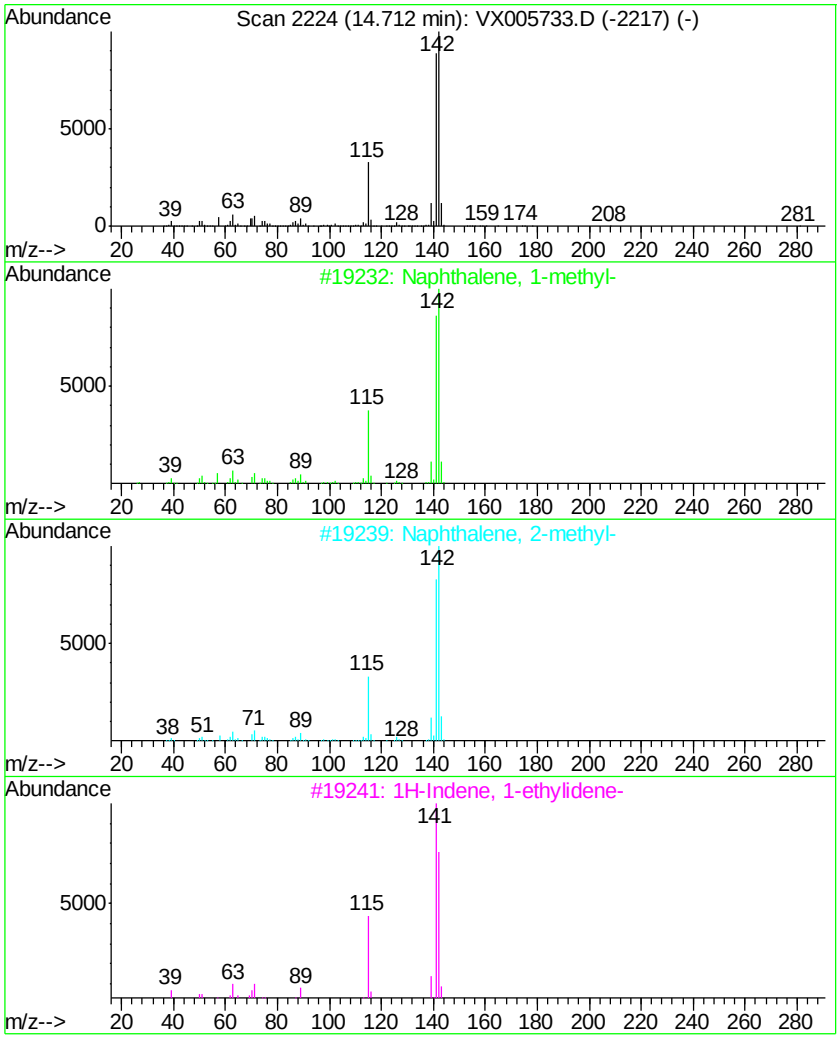
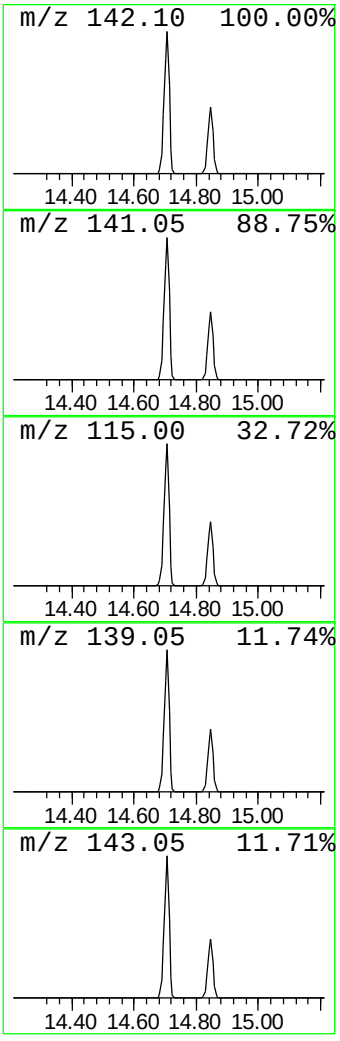
Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	2250.68 ug/l	26039600	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
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Operator : JC/MD
Sample : J5377-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RBR-200036

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260

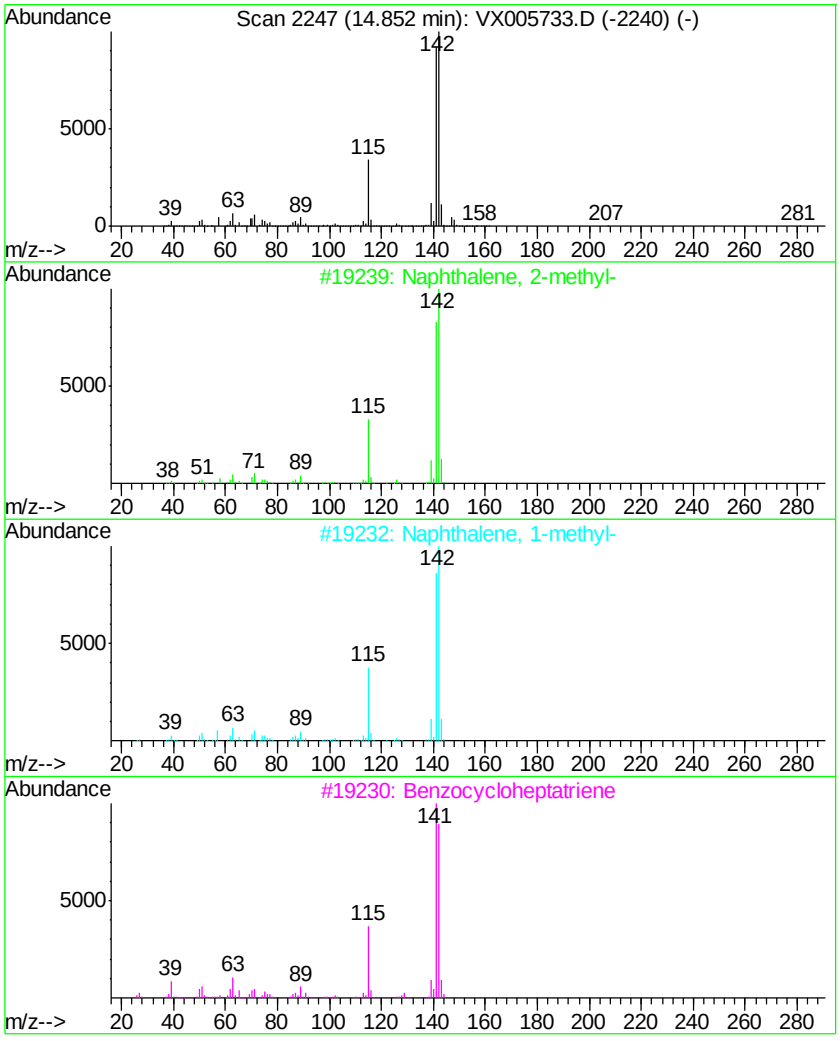
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

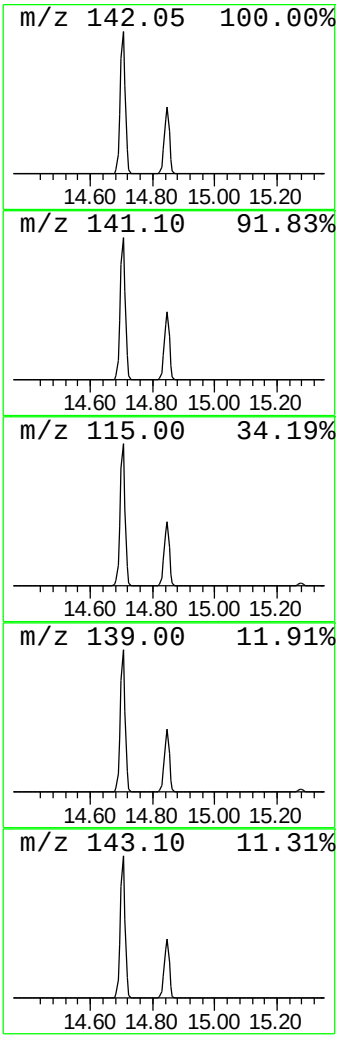
****

Peak Number 7 Naphthalene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	1063.68 ug/l	12306400	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90





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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260

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

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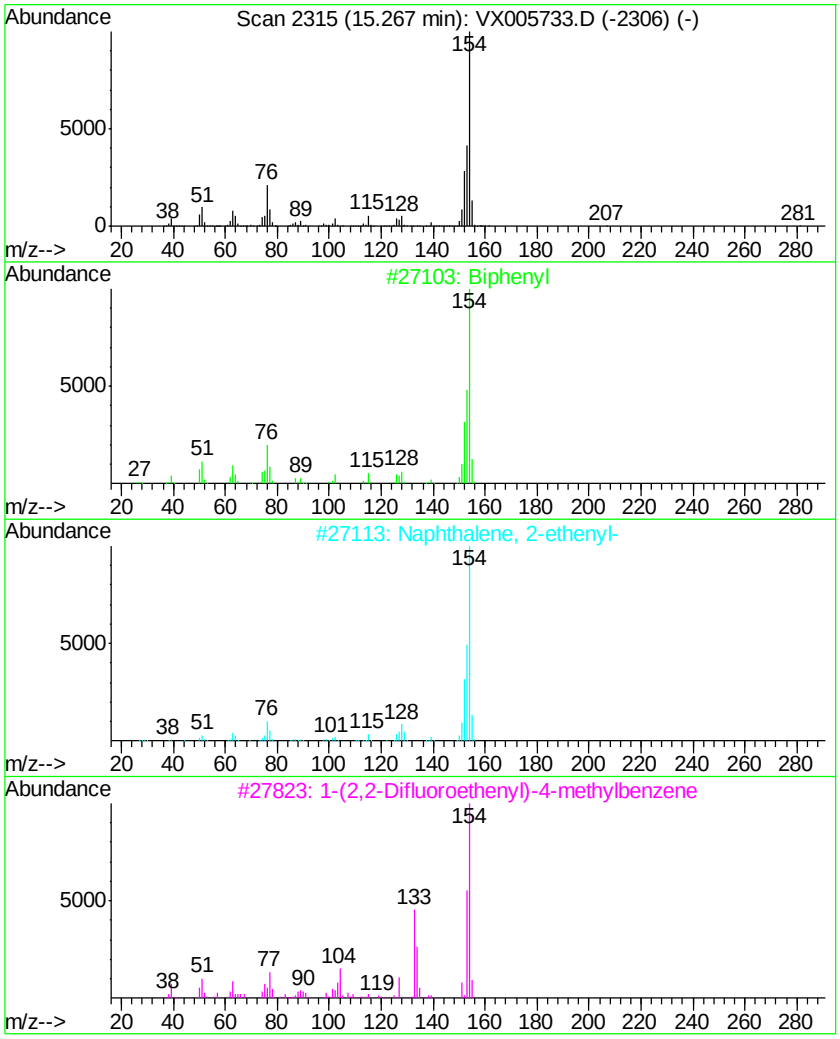
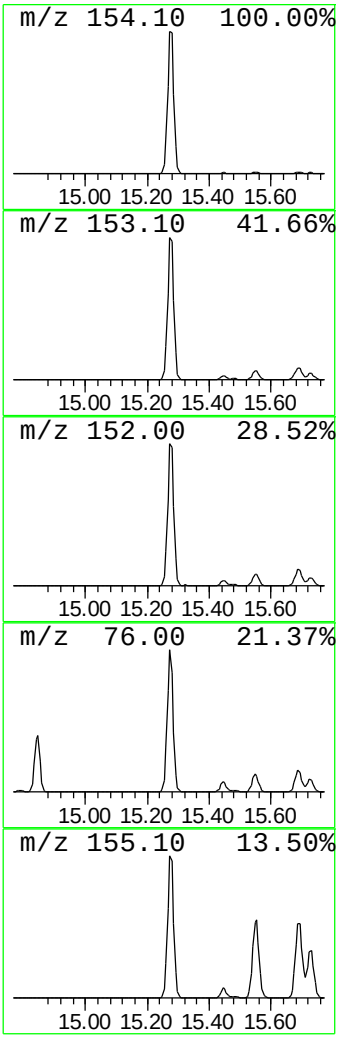
Peak Number 8 Biphenyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	261.67 ug/l	3027470	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	96
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	87
3	1-(2,2-Difluoroethenyl)-4-methyl...	154	C9H8F2	1000305-64-2	53
4	Acenaphthene	154	C12H10	000083-32-9	49
5	6-Cyanoquinoline	154	C10H6N2	023395-72-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
Data File : VX005733.D
Acq On : 01 Nov 2018 16:58
Operator : JC/MD
Sample : J5377-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RBR-200036

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260

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

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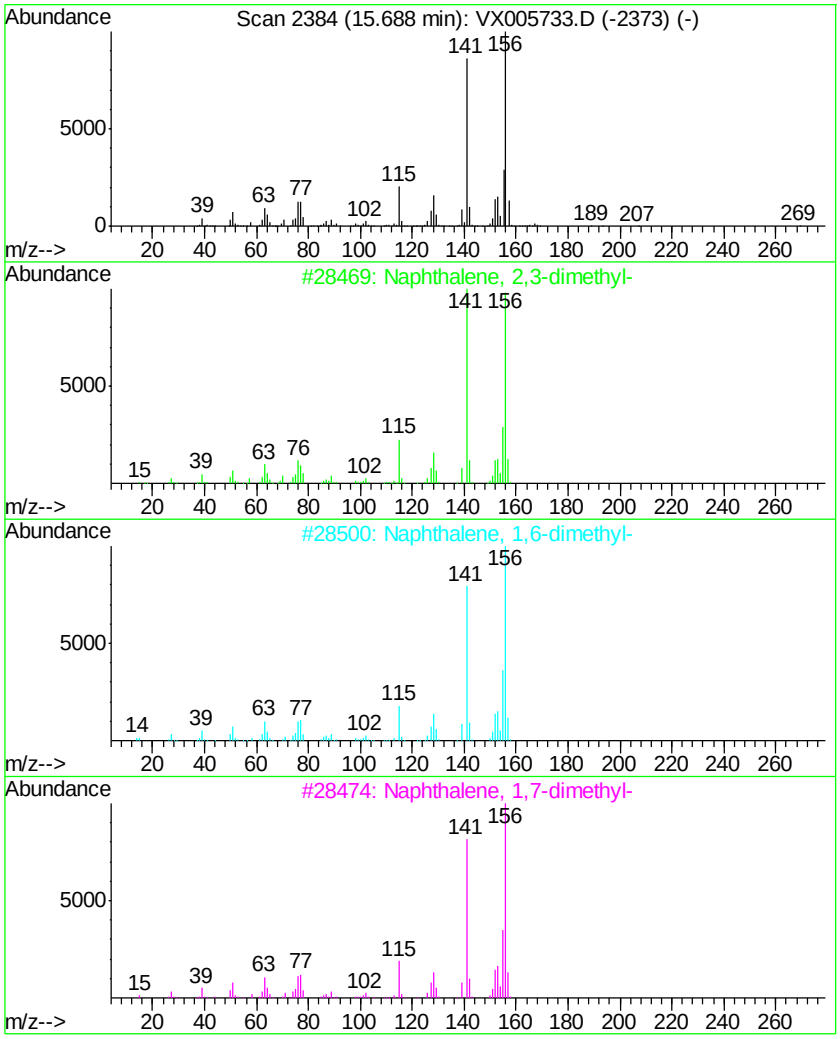
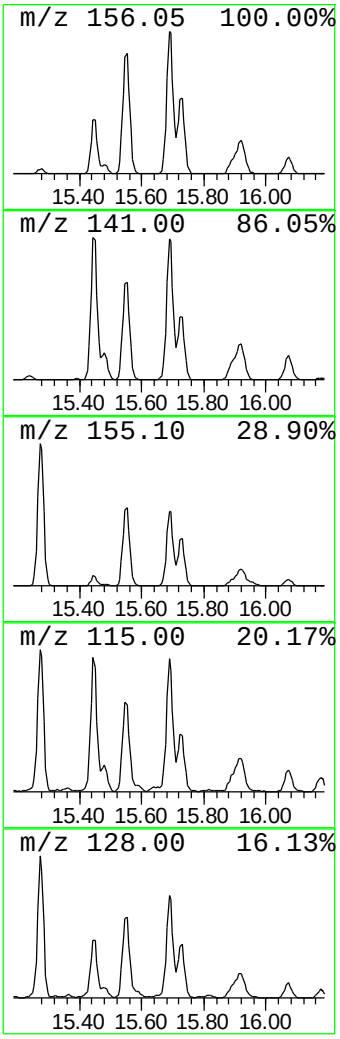
Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	113.73 ug/l	1315850	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
Data File : VX005733.D
Acq On : 01 Nov 2018 16:58
Operator : JC/MD
Sample : J5377-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RBR-200036

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260

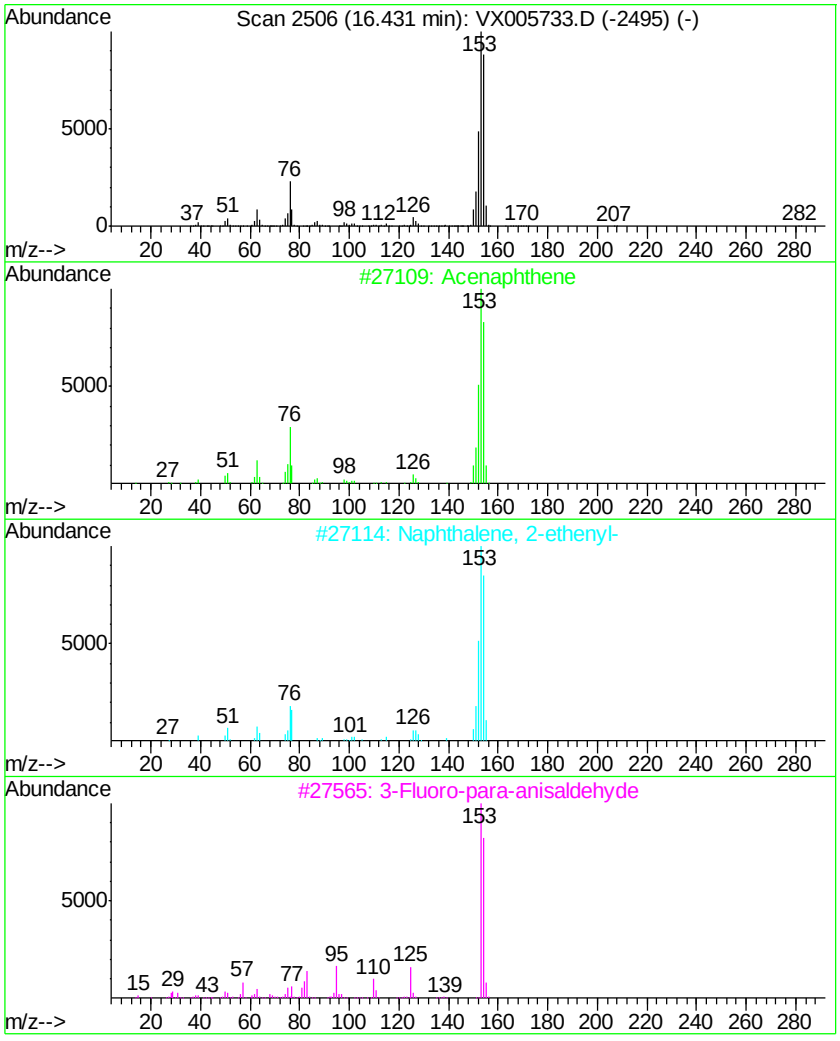
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

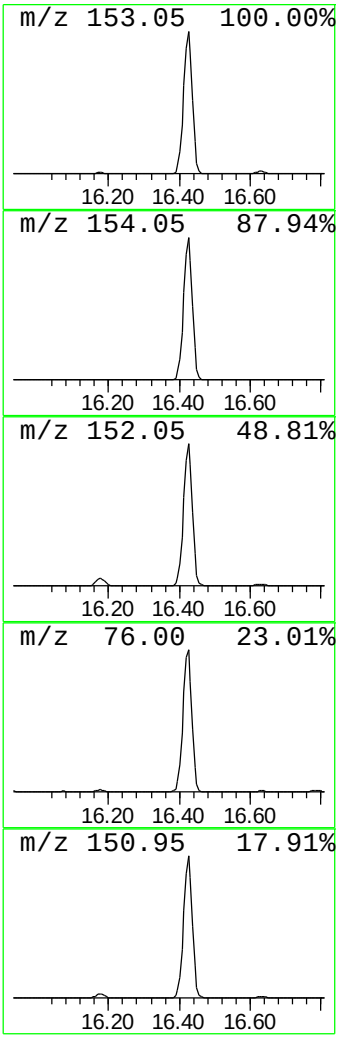
****

Peak Number 10 Acenaphthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	922.79 ug/l	10676400	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	96
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	53
3	3-Fluoro-para-anisaldehyde	154	C8H7FO2	000351-54-2	52
4	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	42
5	Biphenyl	154	C12H10	000092-52-4	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
Data File : VX005733.D
Acq On : 01 Nov 2018 16:58
Operator : JC/MD
Sample : J5377-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : RBR-200036

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.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
Indane	12.30	744.5	ug/l	8613280	4	12.08	578485	50.0
Indene	12.47	1069.7	ug/l	12376000	4	12.08	578485	50.0
Benzene, 1-etheny...	13.22	140.4	ug/l	1624460	4	12.08	578485	50.0
Benzene, 2-etheny...	13.35	184.0	ug/l	2128880	4	12.08	578485	50.0
Naphthalene, 1,2,...	13.48	737.1	ug/l	8527810	4	12.08	578485	50.0
Naphthalene, 1-me...	14.71	2250.7	ug/l	26039600	4	12.08	578485	50.0
Naphthalene, 2-me...	14.85	1063.7	ug/l	12306400	4	12.08	578485	50.0
Biphenyl	15.27	261.7	ug/l	3027470	4	12.08	578485	50.0
Naphthalene, 2,3-...	15.69	113.7	ug/l	1315850	4	12.08	578485	50.0
Acenaphthene	16.43	922.8	ug/l	10676400	4	12.08	578485	50.0