LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

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\82X112918W.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	1.282	18	21	28	rBV	323955	309416	1.40%	0.335%
2	2.446	205	212	232	rBV	8643070	14194854	64.37%	15.366%
3	4.702	568	582	609	rBV	4761481	13584731	61.61%	14.705%
4	5.153	641	656	687	rBV	7414948	22051122	100.00%	23.870%
5	5.507	702	714	728	rBV	398359	1122852	5.09%	1.215%
6	5.665	728	740	755	rVB	706173	1955715	8.87%	2.117%
7	6.068	796	806	817	rBV	393382	1015222	4.60%	1.099%
8	6.860	926	936	949	rBV	1018532	2364192	10.72%	2.559%
9	8.713	1234	1240	1247	rBV	2113226	3221948	14.61%	3.488%
10	10.116	1464	1470	1477	rBV	1982799	2787343	12.64%	3.017%
11	10.353	1501	1509	1516	rBV	429724	608983	2.76%	0.659%
12	10.701	1559	1566	1574	rVB	274633	368029	1.67%	0.398%
13	11.085	1623	1629	1633	rBV	648788	854423	3.87%	0.925%
14	11.140	1633	1638	1651	rVB	1767669	2312874	10.49%	2.504%
15	11.432	1681	1686	1694	rVV	412587	691982	3.14%	0.749%
16	11.506	1694	1698	1708	rVB	255912	332530	1.51%	0.360%
17	11.664	1719	1724	1732	rVB	211274	283214	1.28%	0.307%
18	11.804	1742	1747	1754	rVB	948214	1129848	5.12%	1.223%
19	12.079	1786	1792	1798	rVV	2319269	2907409	13.18%	3.147%
20	12.140	1798	1802	1807	rVB	435533	535479	2.43%	0.580%
21	12.298	1821	1828	1830	rBV	315998	409177	1.86%	0.443%
22	12.323	1830	1832	1836	rVV	221003	232156	1.05%	0.251%
23	12.371	1836	1840	1847	rVB2	348566	496394	2.25%	0.537%
24	12.585	1870	1875	1877	rBV	225078	280963	1.27%	0.304%
25	12.670	1883	1889	1892	rBV	309312	381896	1.73%	0.413%
26	12.755	1898	1903	1911	rBV3	220769	420364	1.91%	0.455%
27	12.975	1931	1939	1942	rBV	251983	320261	1.45%	0.347%
28	13.018	1942	1946	1952	rVB	406329	506684	2.30%	0.548%
29	13.225	1976	1980	1984	rVB2	325347	404361	1.83%	0.438%
30	13.347	1996	2000	2005	rVB2	821387	1130936	5.13%	1.224%
31	13.481	2017	2022	2030	rVB	928260	1212705	5.50%	1.313%
32	13.639	2044	2048	2053	rVB3	228722	378658	1.72%	0.410%
33	13.719	2058	2061	2067	rVB2	248825	382812	1.74%	0.414%
34	13.835	2072	2080	2086	rVV	363567	543193	2.46%	0.588%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

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\82X112918W.M
Title : SW846 8260

35	13.908	2087	2092	2098	rVB	536306	712966	3.23%	0.772%
36	13.981	2098	2104	2109	rBV2	539133	752952	3.41%	0.815%
37	14.133	2125	2129	2133	rBV	303819	355854	1.61%	0.385%
38	14.286	2146	2154	2160	rBV	1526488	2245015	10.18%	2.430%
39	14.432	2173	2178	2182	rVB	327479	404855	1.84%	0.438%
40	14.536	2190	2195	2201	rBV2	1043560	1372943	6.23%	1.486%
41	14.676	2213	2218	2219	rBV	694157	845421	3.83%	0.915%
42	14.694	2219	2221	2224	rVV	677453	807827	3.66%	0.874%
43	14.731	2224	2227	2232	rVB	401323	496059	2.25%	0.537%
44	14.840	2242	2245	2248	rVV	290465	364270	1.65%	0.394%
45	14.877	2248	2251	2254	rVV2	251694	366021	1.66%	0.396%
46	14.907	2254	2256	2261	rVB2	246361	265369	1.20%	0.287%
47	14.962	2261	2265	2273	rBV3	250482	503308	2.28%	0.545%
48	15.249	2306	2312	2320	rBV2	591732	1146206	5.20%	1.241%
49	15.554	2353	2362	2366	rVV2	364344	673044	3.05%	0.729%
50	15.596	2366	2369	2374	rVV3	167929	349643	1.59%	0.378%
51	15.688	2378	2384	2387	rVV3	377095	671738	3.05%	0.727%
52	15.724	2387	2390	2399	rVB2	191232	314511	1.43%	0.340%

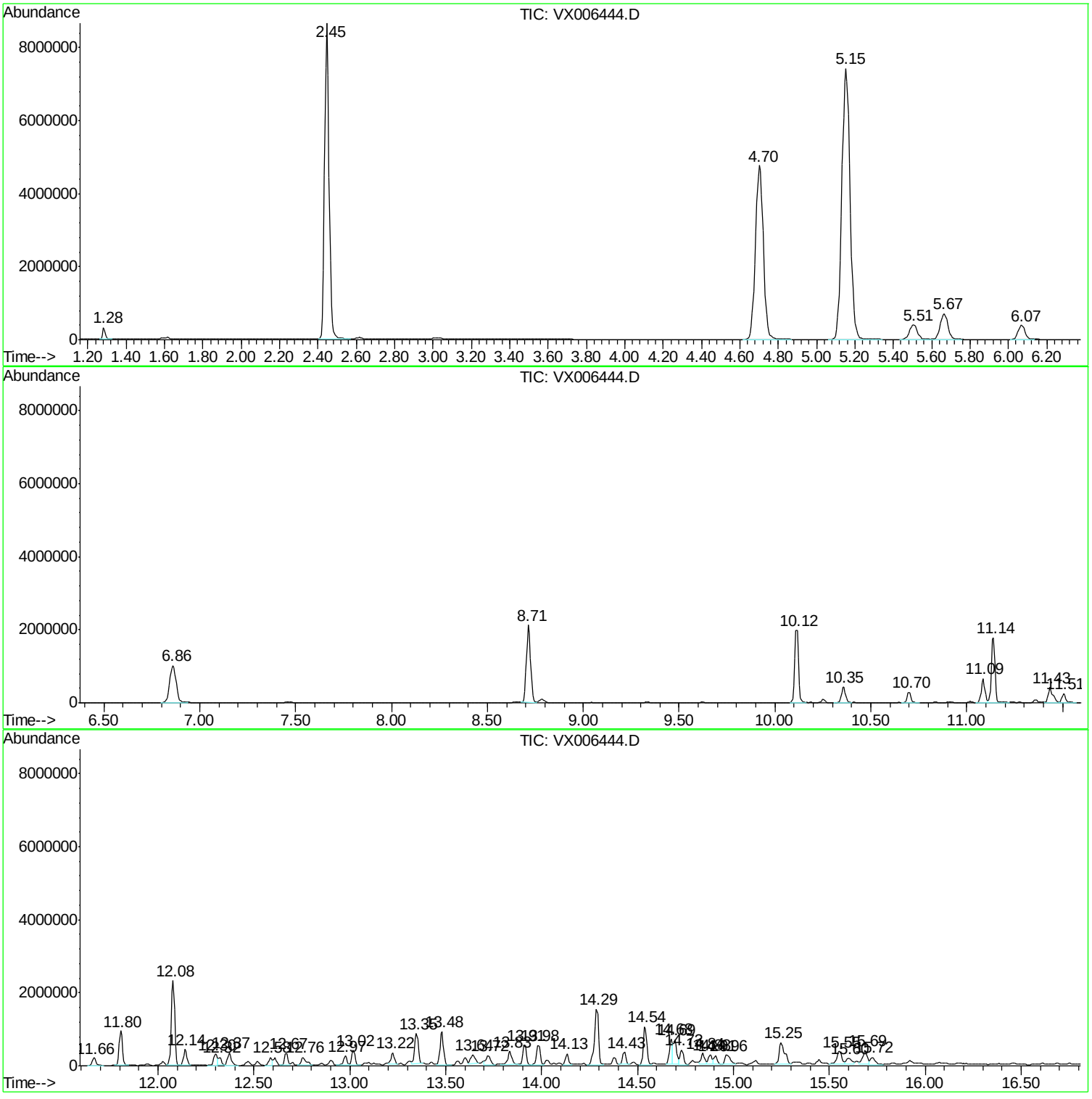
Sum of corrected areas: 92380728

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.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\VX121218\
Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

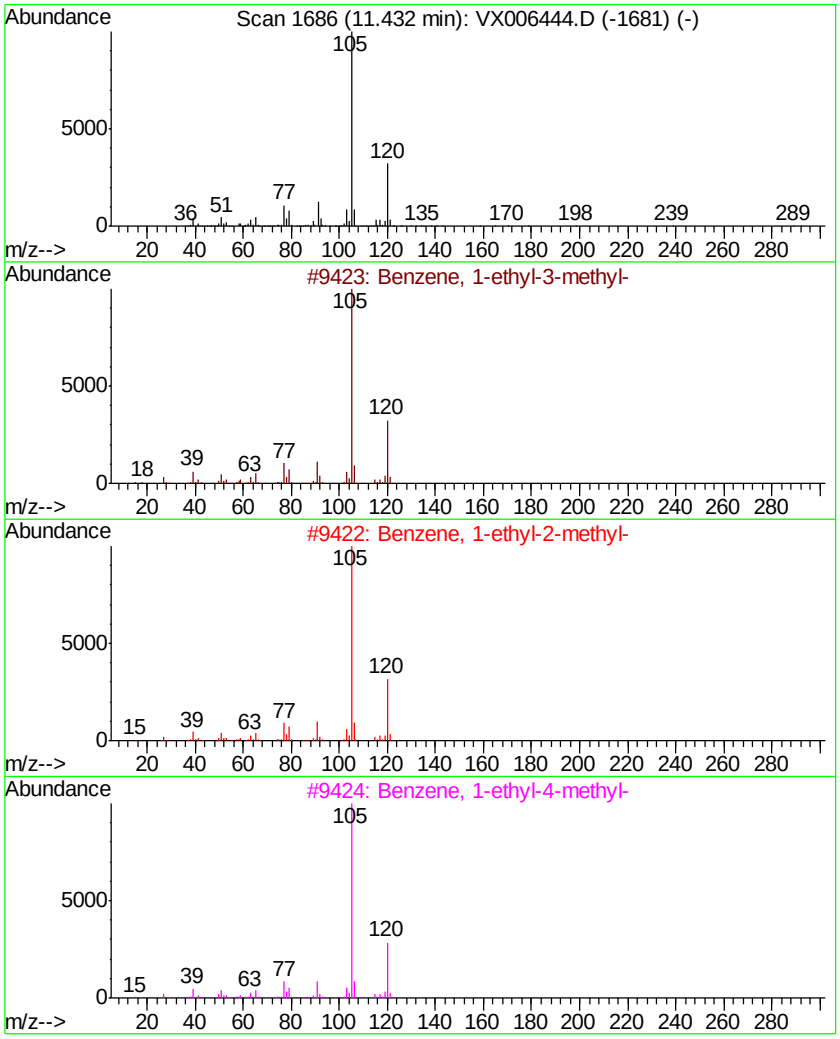
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

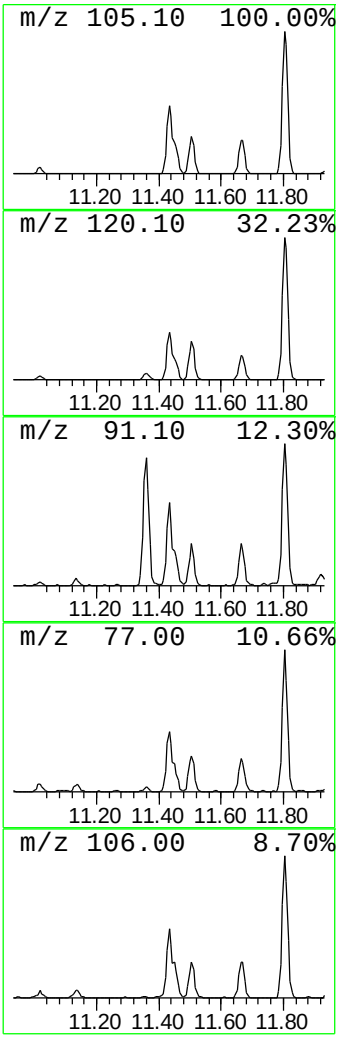
****

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	11.90 ug/l	691982	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

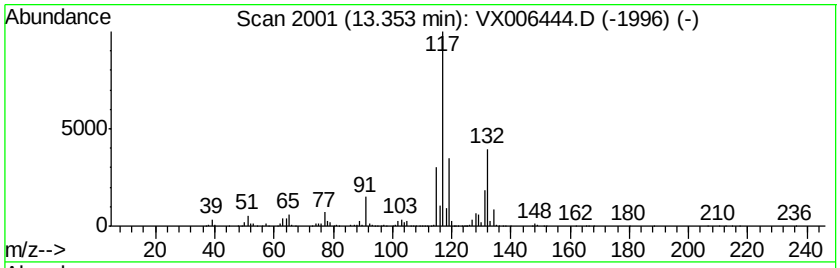
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

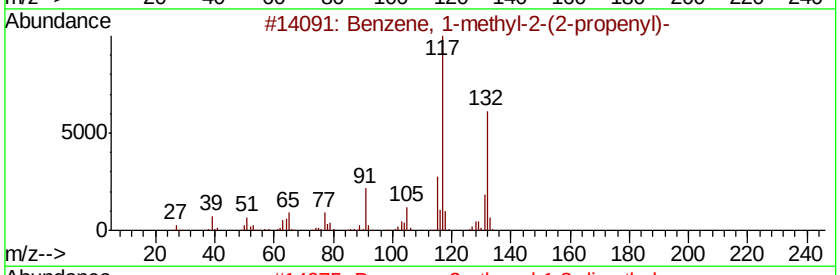
****

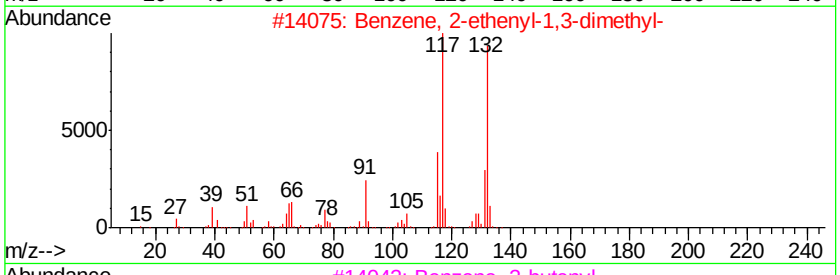
Peak Number 2 Benzene, 1-methyl-2-(2-prop... Concentration Rank 5

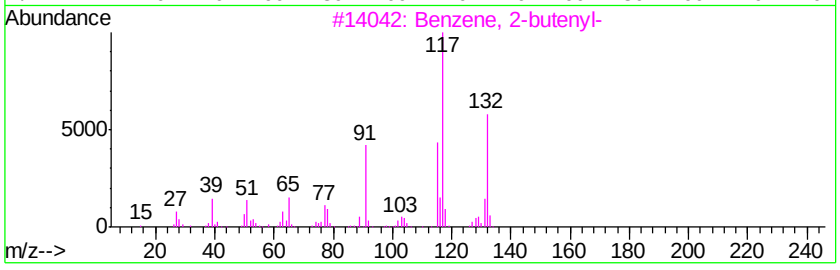
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	19.45 ug/l	1130940	1,4-Dichlorobenzene-d4	12.08

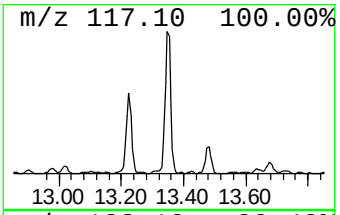
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	64

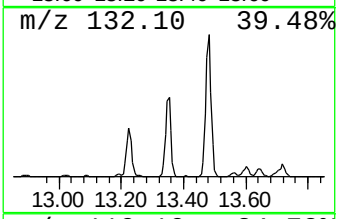


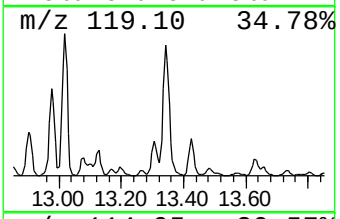


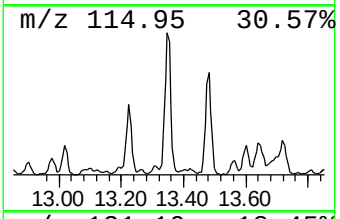


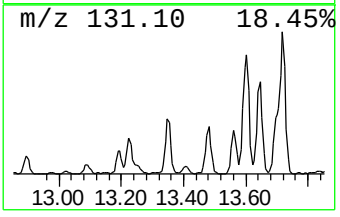












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

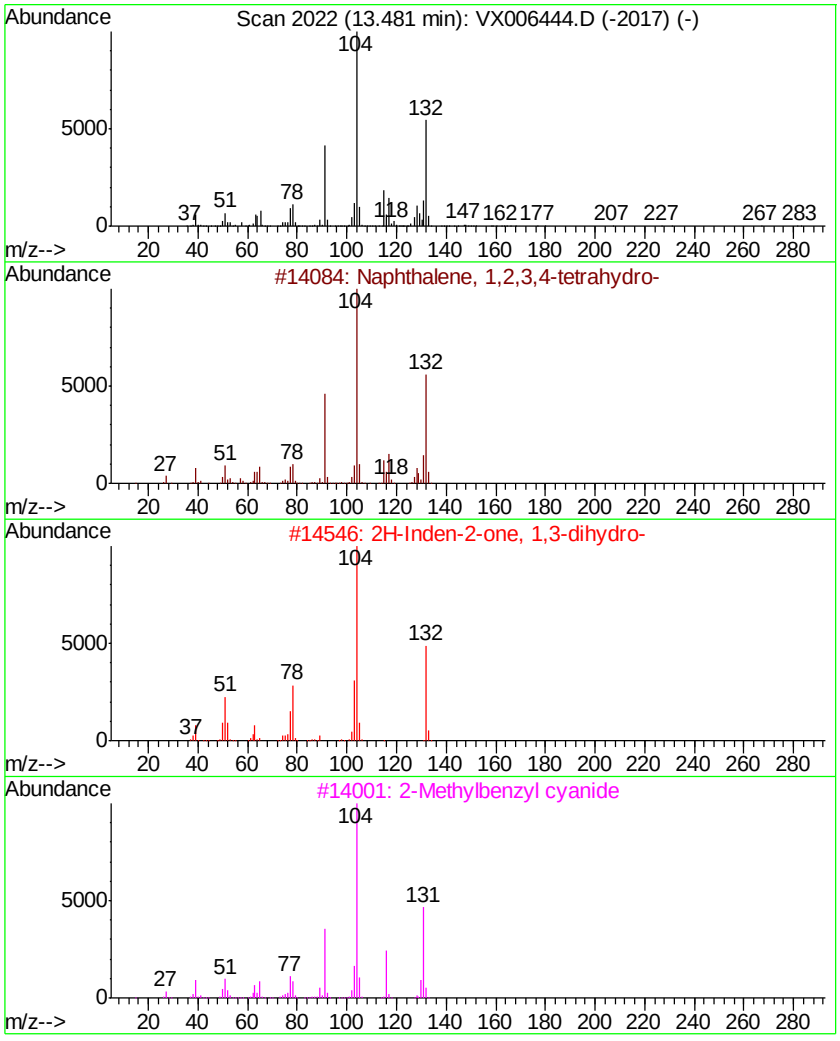
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

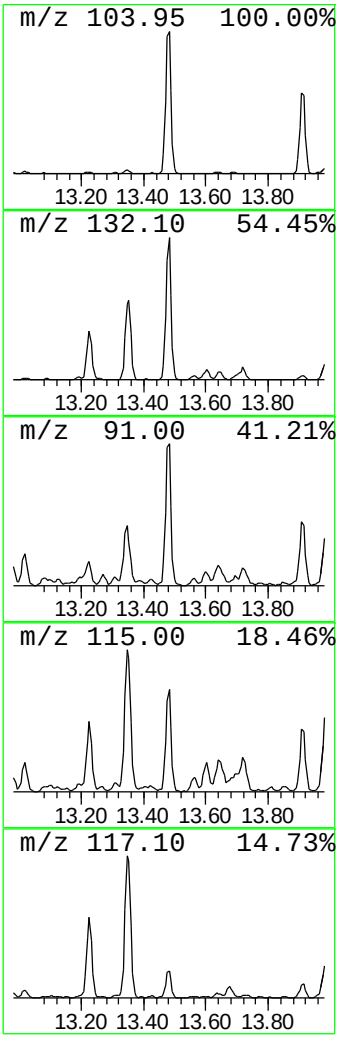
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	20.86 ug/l	1212710	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	58
3	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	46
4	3(2H)-Furanone, dihydro-2,2-dime...	190	C12H14O2	063678-00-2	38
5	2-Furanone, 4-phenyltetrahydro	162	C10H10O2	1000197-38-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

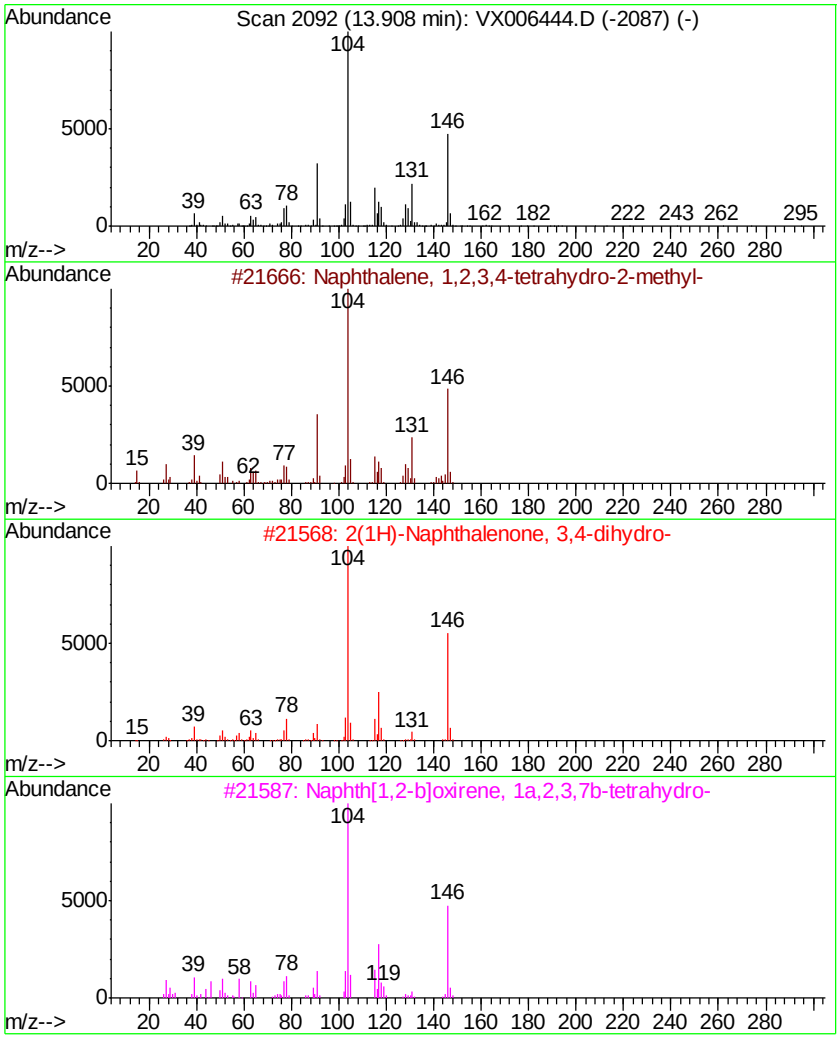
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

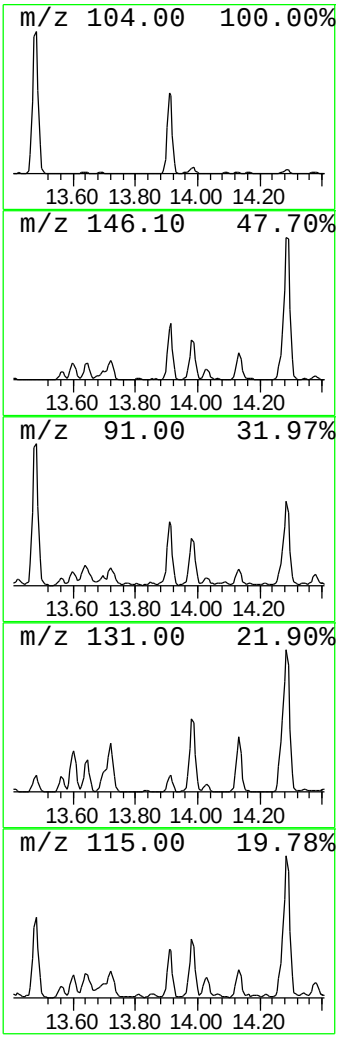
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	12.26 ug/l	712966	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	68
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	62
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-92-1	47
5	Glutaric acid, 2-methylbenzyl pr...	278	C16H22O4	1000371-32-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

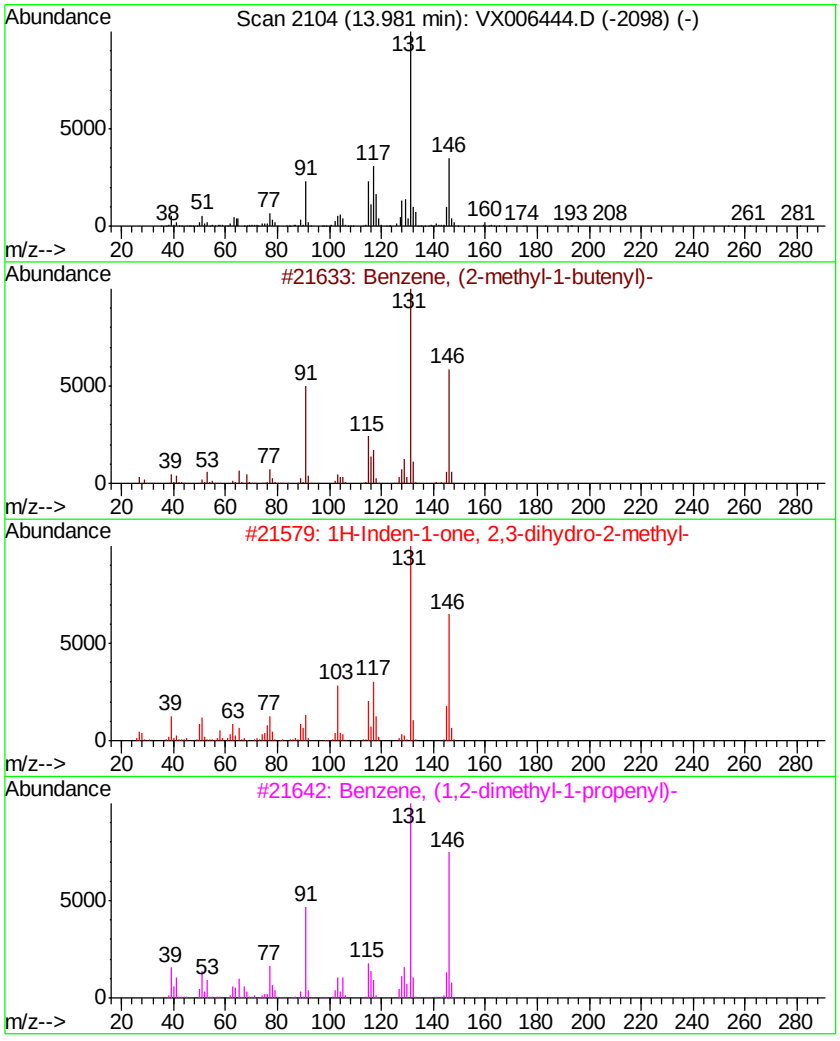
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

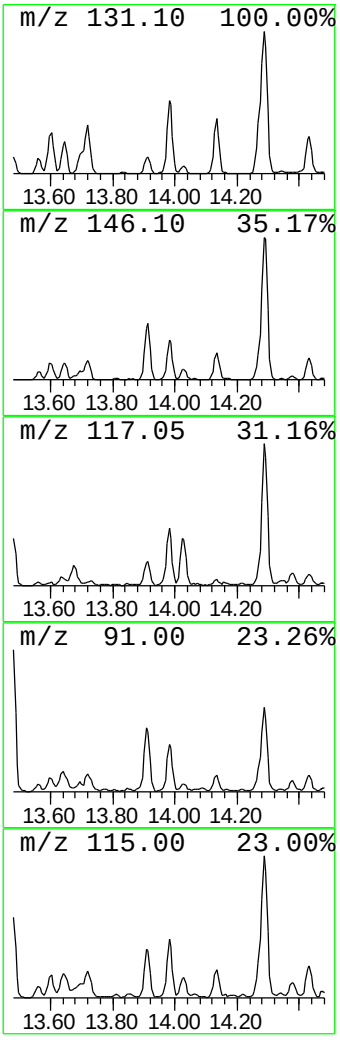
****

Peak Number 5 Benzene, (2-methyl-1-butenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	12.95 ug/l	752952	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
2	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	93
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

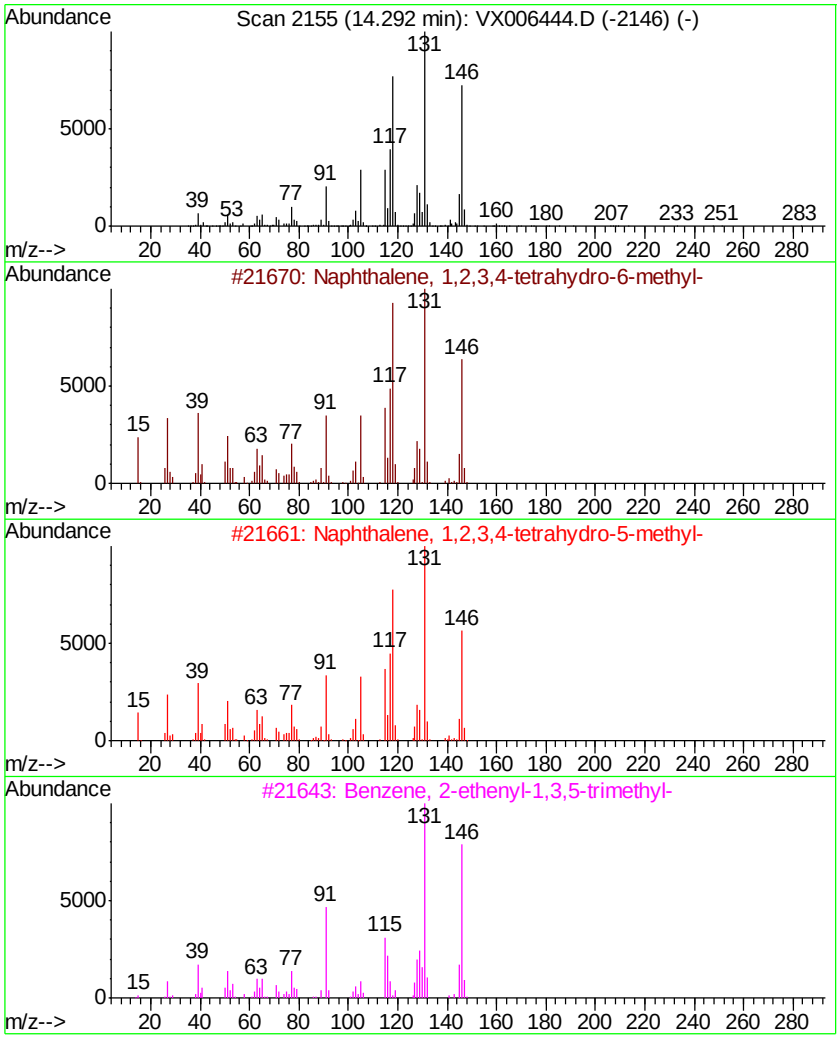
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

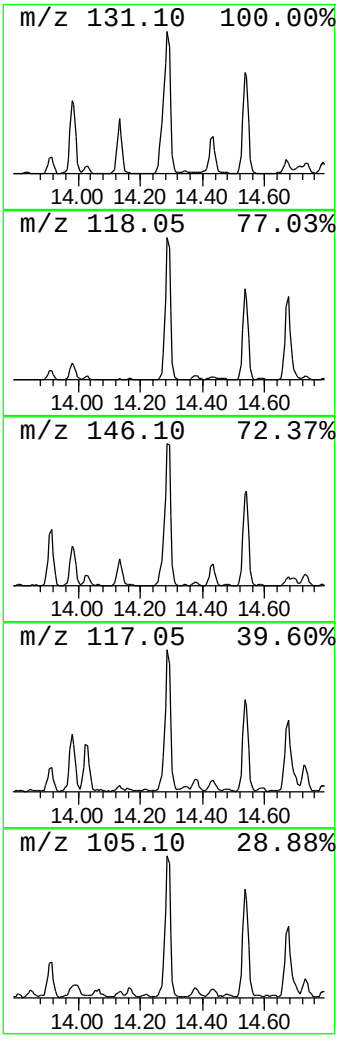
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	38.61 ug/l	2245020	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	78
4	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	64
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55





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Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

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

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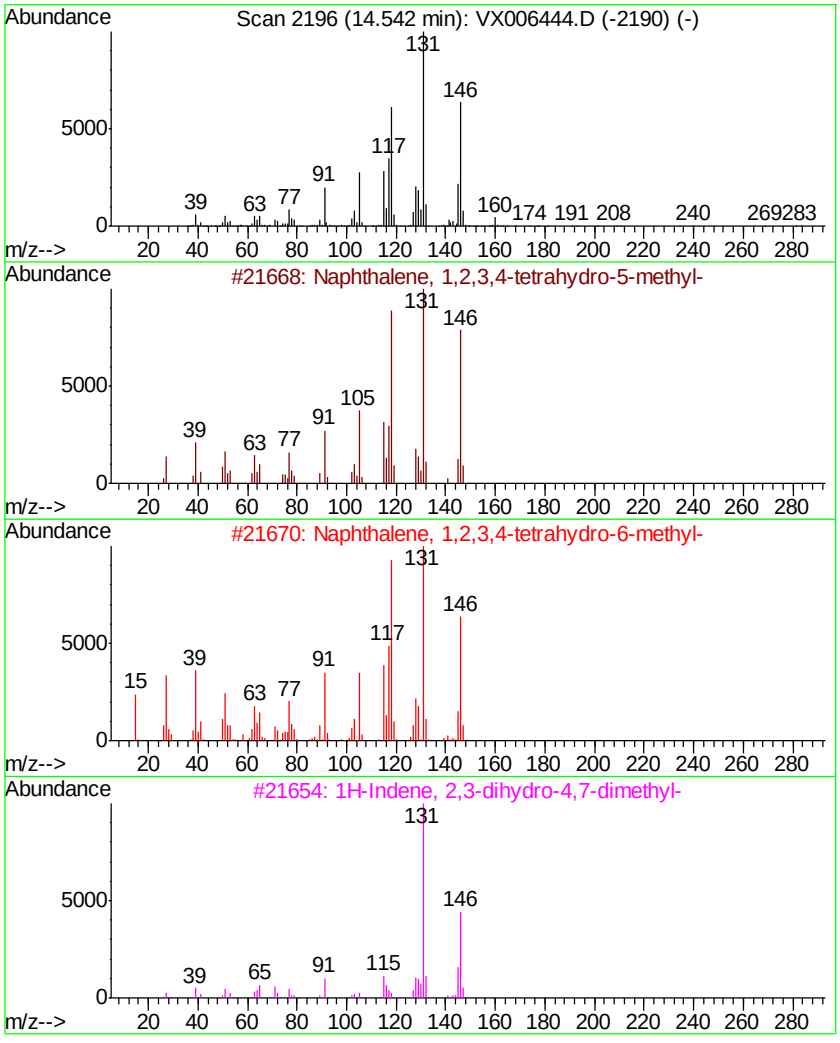
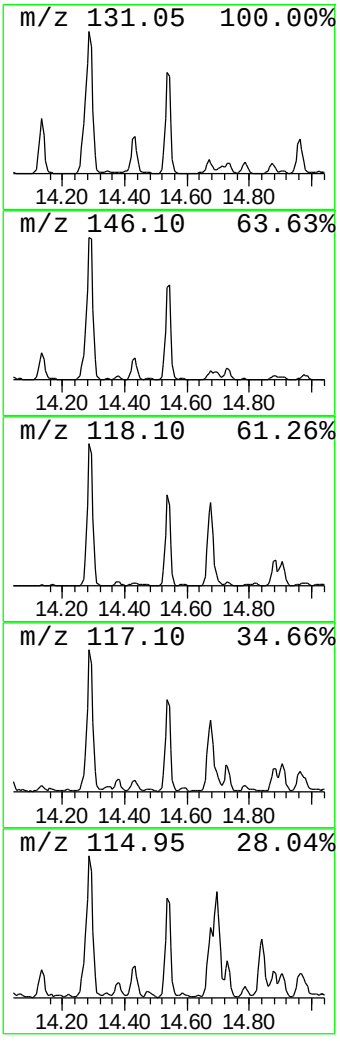
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	23.61 ug/l	1372940	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	97
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	86
5	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

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

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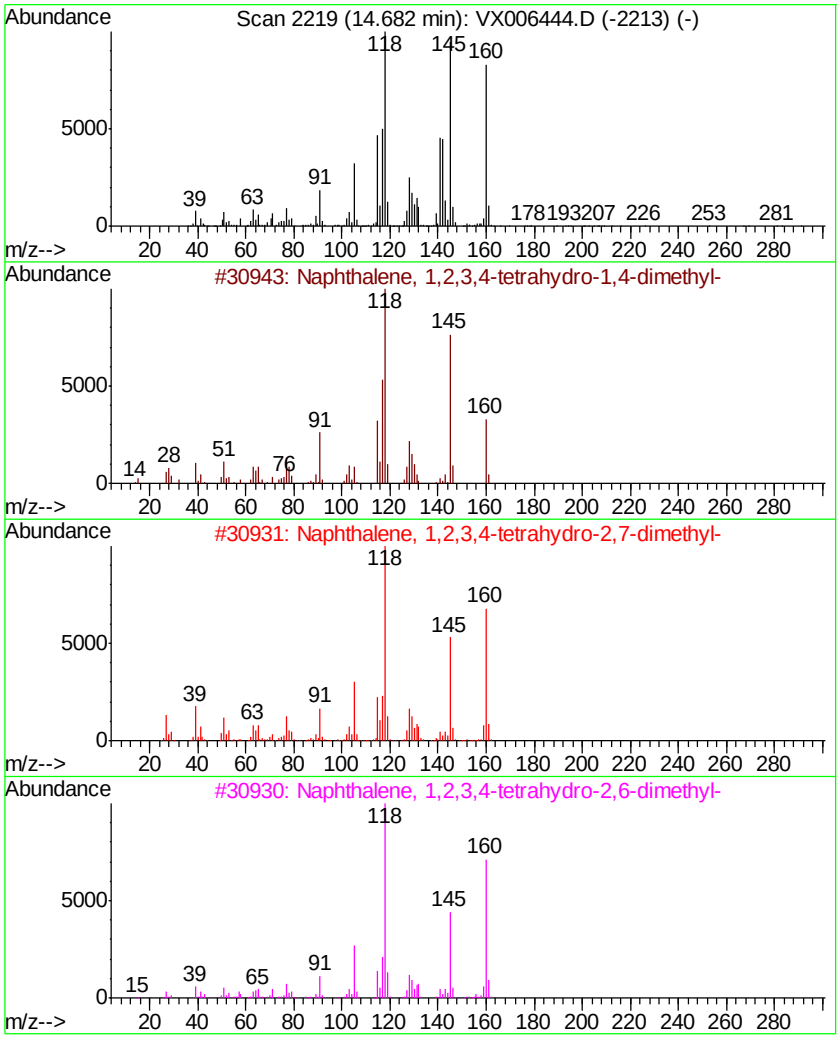
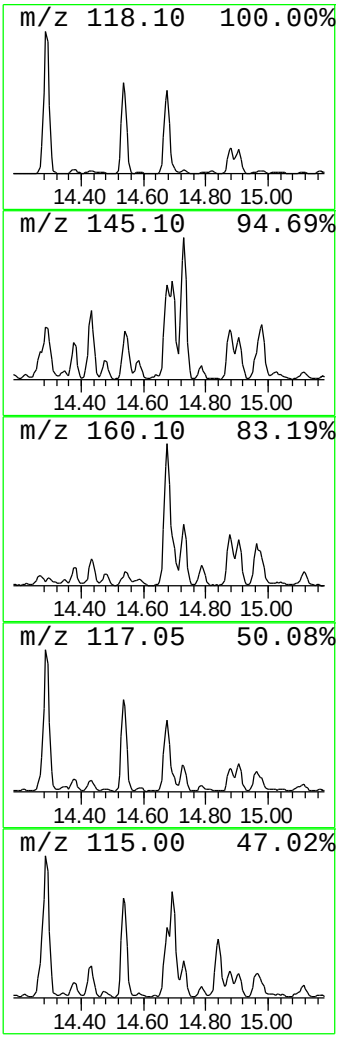
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	14.54 ug/l	845421	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	76
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
5	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	58





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Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

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

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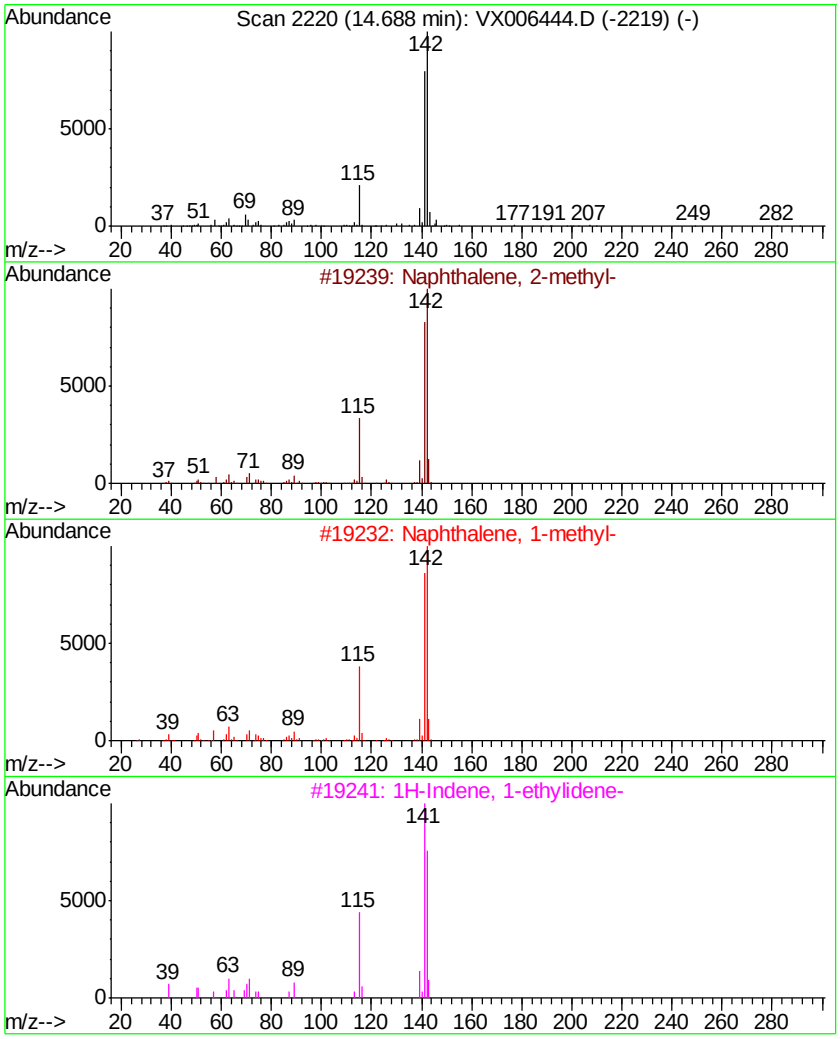
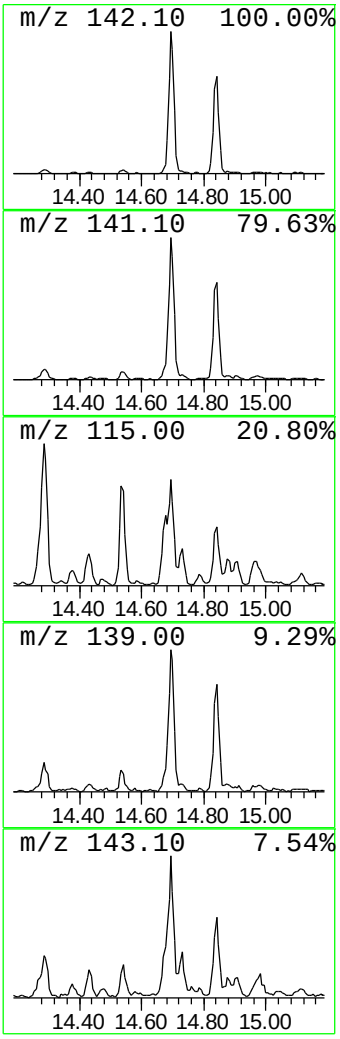
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	13.89 ug/l	807827	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	53
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	53
5	Naphthalene, 1-[(2-propenyloxy)m...	198	C14H14O	074685-39-5	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

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

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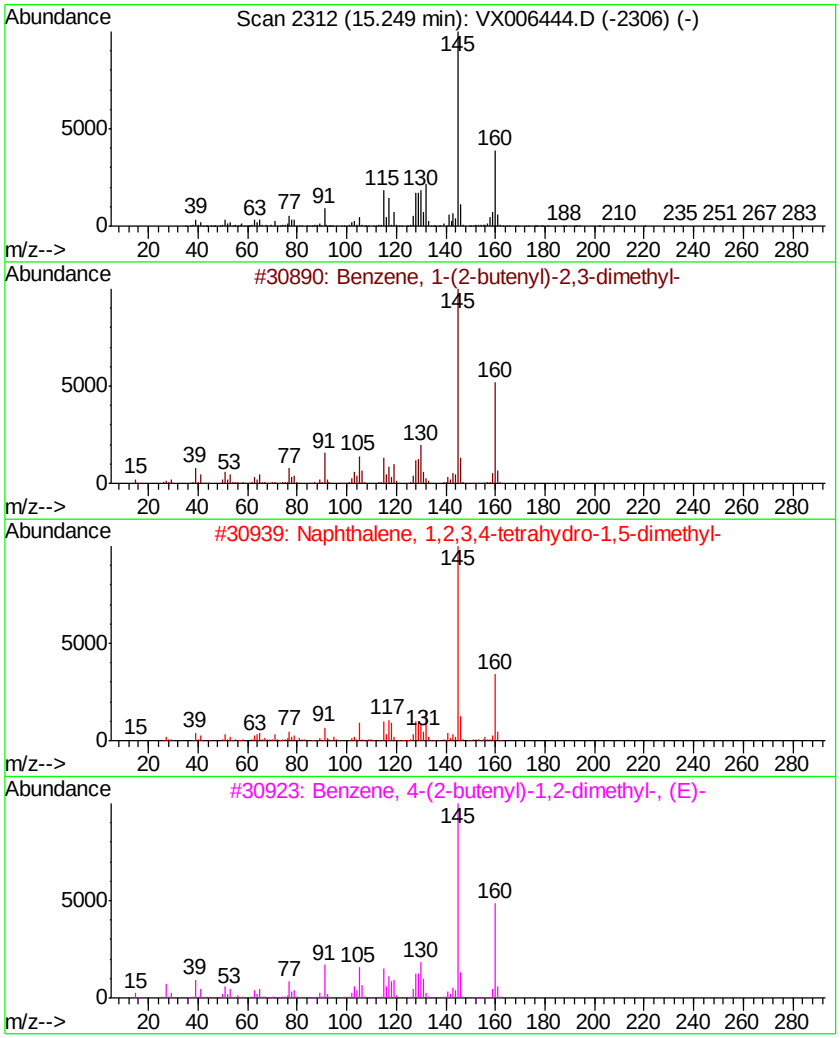
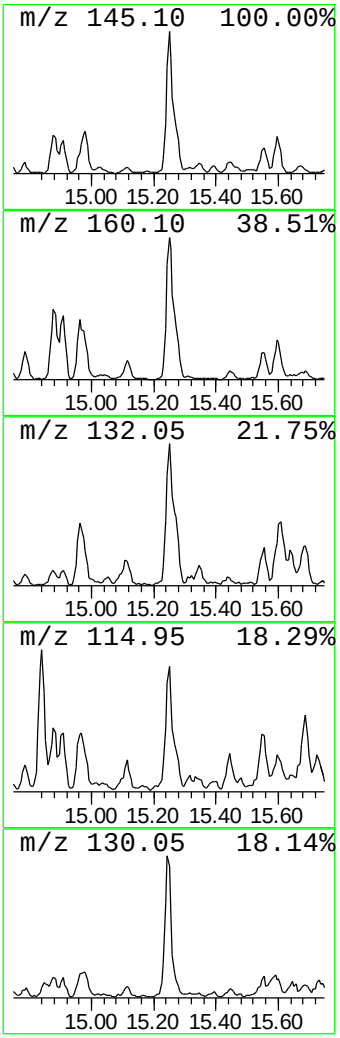
Peak Number 10 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	19.71 ug/l	1146210	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	91
3	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	91
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	90
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121218\
Data File : VX006444.D
Acq On : 12 Dec 2018 14:53
Operator : JC/MD
Sample : J6350-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV-27781L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.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-...	11.43	11.9	ug/l	691982	4	12.08	2907410	50.0
Benzene, 1-methyl...	13.35	19.4	ug/l	1130940	4	12.08	2907410	50.0
Naphthalene, 1,2,...	13.48	20.9	ug/l	1212710	4	12.08	2907410	50.0
Naphthalene, 1,2,...	13.91	12.3	ug/l	712966	4	12.08	2907410	50.0
Benzene, (2-methy...	13.98	12.9	ug/l	752952	4	12.08	2907410	50.0
Naphthalene, 1,2,...	14.29	38.6	ug/l	2245020	4	12.08	2907410	50.0
Naphthalene, 1,2,...	14.54	23.6	ug/l	1372940	4	12.08	2907410	50.0
Naphthalene, 1,2,...	14.68	14.5	ug/l	845421	4	12.08	2907410	50.0
Naphthalene, 1-me...	14.69	13.9	ug/l	807827	4	12.08	2907410	50.0
Benzene, 1-(2-but...	15.25	19.7	ug/l	1146210	4	12.08	2907410	50.0