LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

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\82X010819W.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	2.843	270	277	289	rVB	134479	296983	2.66%	0.634%
2	5.507	700	714	723	rBV	295688	854193	7.64%	1.823%
3	5.665	730	740	762	rVB	511213	1542574	13.80%	3.292%
4	6.068	795	806	814	rBV	306221	795560	7.12%	1.698%
5	6.147	814	819	827	rVB2	64130	161366	1.44%	0.344%
6	6.348	842	852	862	rVB	143488	428399	3.83%	0.914%
7	6.860	925	936	950	rBV	767473	1789065	16.00%	3.818%
8	8.055	1123	1132	1143	rVB2	103246	212142	1.90%	0.453%
9	8.177	1143	1152	1160	rBV	213509	417972	3.74%	0.892%
10	8.713	1224	1240	1248	rBV	1618188	2549342	22.80%	5.440%
11	10.140	1464	1474	1480	rBV2	6628618	11179562	100.00%	23.856%
12	10.658	1546	1559	1564	rBV4	89382	216563	1.94%	0.462%
13	10.835	1585	1588	1595	rVB2	99339	132380	1.18%	0.282%
14	10.914	1595	1601	1608	rBV5	59363	115442	1.03%	0.246%
15	11.018	1613	1618	1622	rBV	356962	461081	4.12%	0.984%
16	11.134	1632	1637	1642	rBV	1358296	1798198	16.08%	3.837%
17	11.183	1642	1645	1649	rVB	107182	129153	1.16%	0.276%
18	11.280	1658	1661	1665	rVB	104702	128267	1.15%	0.274%
19	11.359	1669	1674	1678	rBV	260701	326377	2.92%	0.696%
20	11.670	1719	1725	1731	rBV	191421	278316	2.49%	0.594%
21	11.768	1732	1741	1745	rBV	411442	536909	4.80%	1.146%
22	11.920	1758	1766	1768	rBV	642737	885620	7.92%	1.890%
23	11.945	1768	1770	1777	rVB	561820	625699	5.60%	1.335%
24	12.079	1787	1792	1798	rBV	1925433	2377785	21.27%	5.074%
25	12.231	1812	1817	1823	rVB	1732107	2022579	18.09%	4.316%
26	12.298	1823	1828	1833	rBV	1325435	1622238	14.51%	3.462%
27	12.365	1835	1839	1848	rVB2	240399	440472	3.94%	0.940%
28	12.463	1849	1855	1862	rBV2	129614	210263	1.88%	0.449%
29	12.664	1879	1888	1891	rBV	876083	1173790	10.50%	2.505%
30	12.701	1891	1894	1899	rVV2	918795	1347181	12.05%	2.875%
31	12.755	1899	1903	1910	rVV2	2758533	4192884	37.50%	8.947%
32	12.816	1910	1913	1917	rVV	278738	341611	3.06%	0.729%
33	12.896	1917	1926	1932	rVV	1172026	1655782	14.81%	3.533%
34	12.957	1932	1936	1937	rVV2	353168	424179	3.79%	0.905%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

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\82X010819W.M
Title : SW846 8260

35	12.975	1937	1939	1944	rVV	629628	742941	6.65%	1.585%
36	13.091	1952	1958	1962	rVB2	290038	417539	3.73%	0.891%
37	13.188	1971	1974	1977	rVV	267240	336978	3.01%	0.719%
38	13.225	1977	1980	1982	rVV	249913	307945	2.75%	0.657%
39	13.249	1982	1984	1989	rVV	279637	314726	2.82%	0.672%
40	13.304	1989	1993	1996	rVV	81323	129466	1.16%	0.276%
41	13.347	1996	2000	2005	rVV2	1225646	1644332	14.71%	3.509%
42	13.402	2005	2009	2014	rVV2	297886	392180	3.51%	0.837%
43	13.481	2014	2022	2028	rVB3	182928	299701	2.68%	0.640%
44	13.597	2037	2041	2045	rVB2	103269	133646	1.20%	0.285%
45	13.639	2045	2048	2051	rBV2	117952	155198	1.39%	0.331%
46	14.694	2217	2221	2225	rBV	107416	132972	1.19%	0.284%
47	14.840	2239	2245	2252	rBV2	123255	184813	1.65%	0.394%

Sum of corrected areas: 46862364

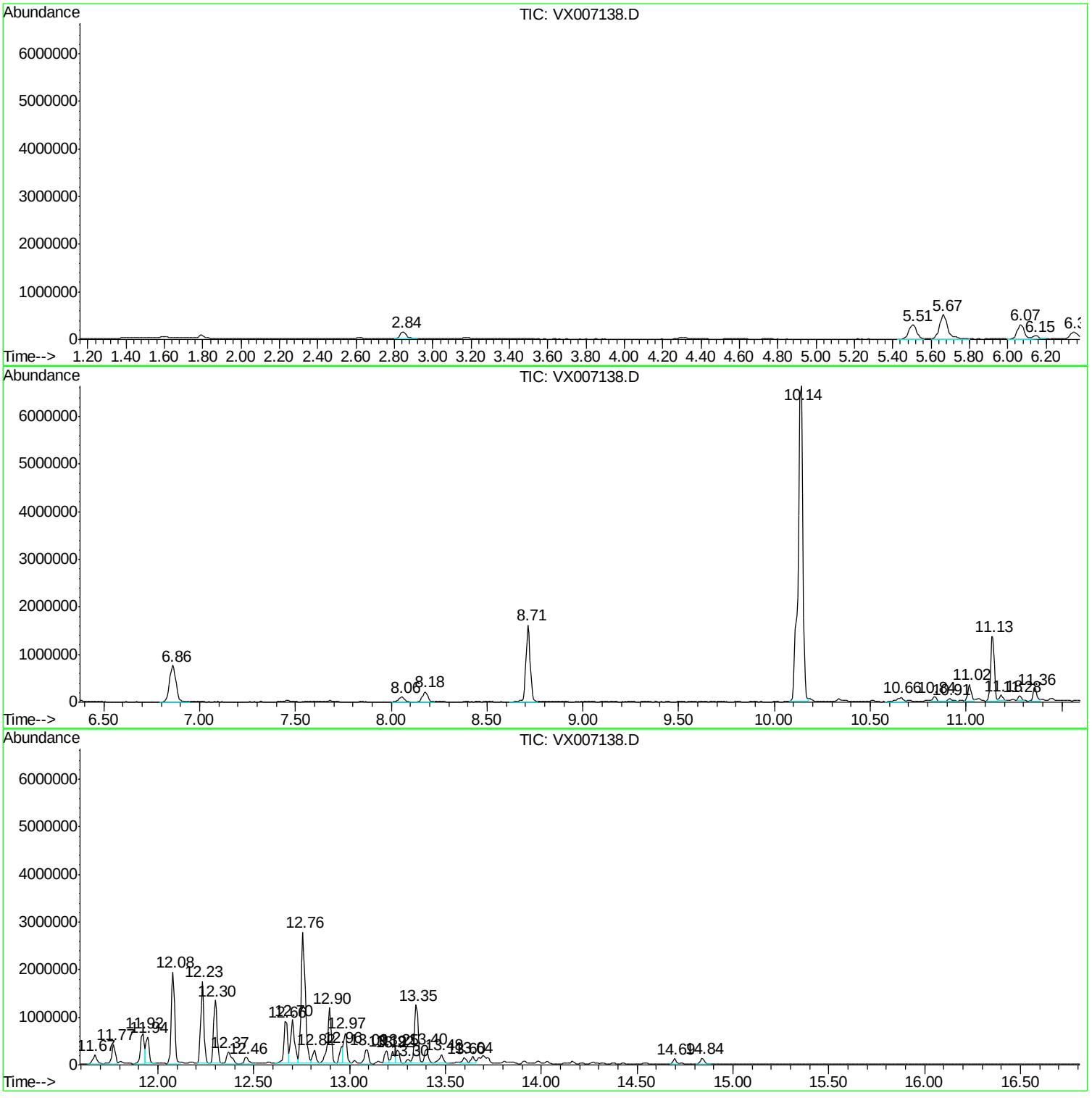
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.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\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

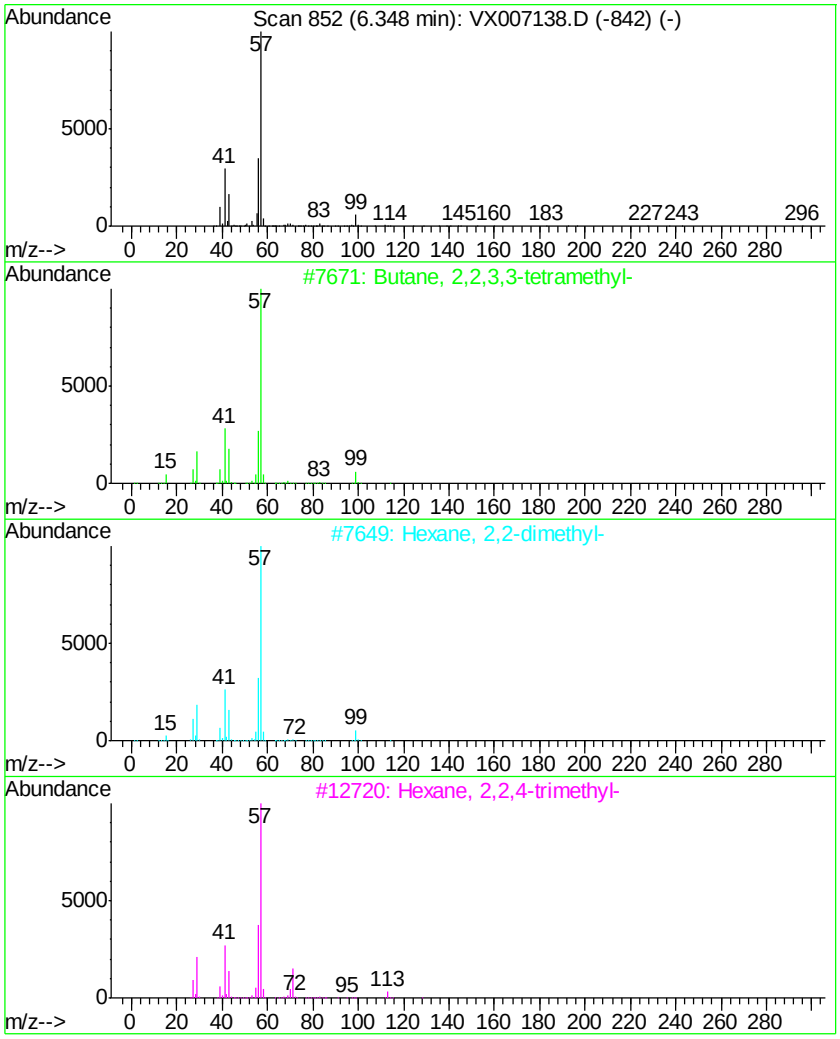
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

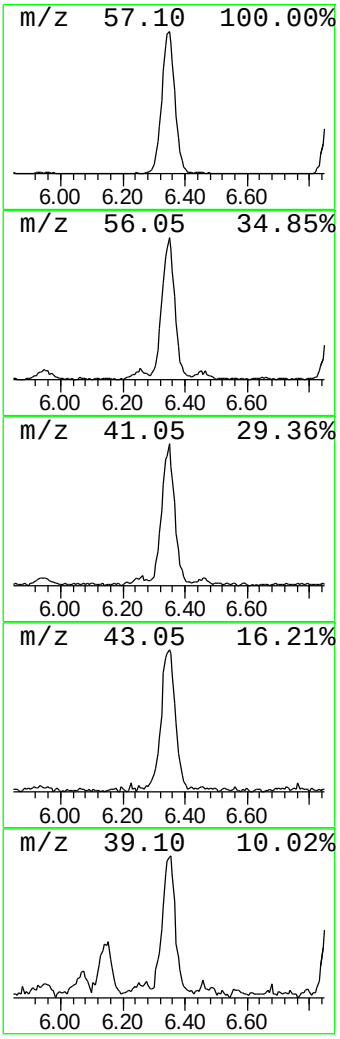
****

Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	11.97 ug/l	428399	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	56
5	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

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

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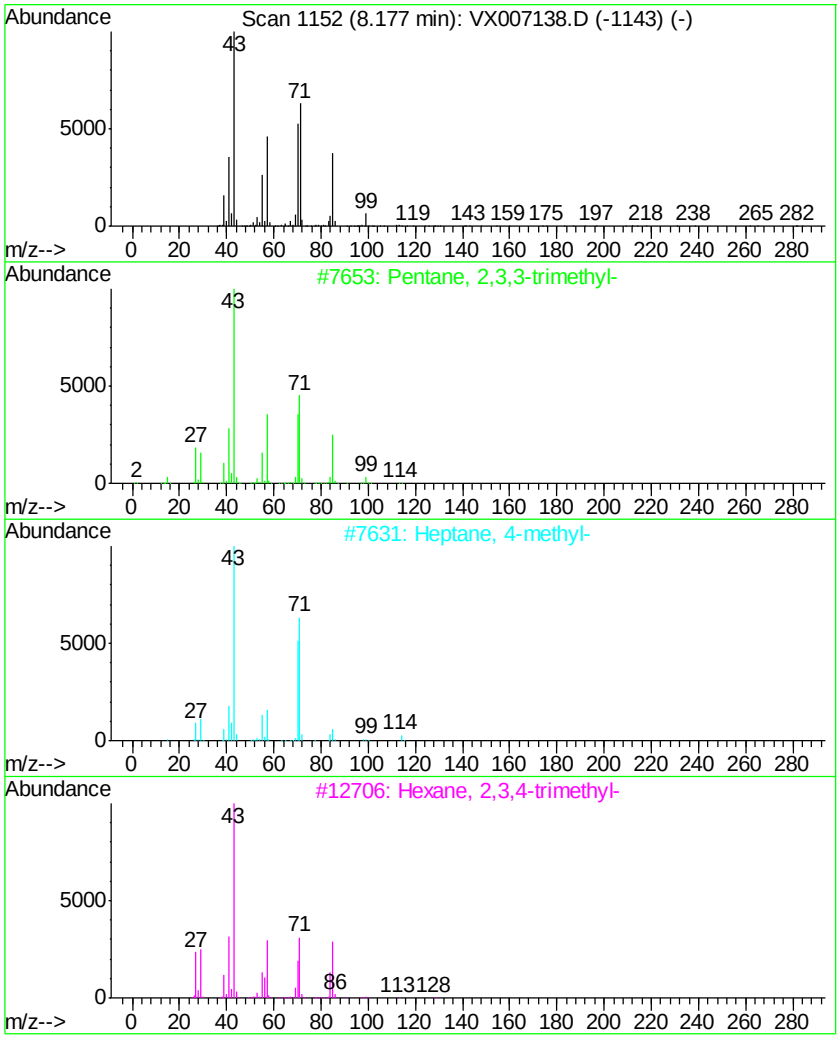
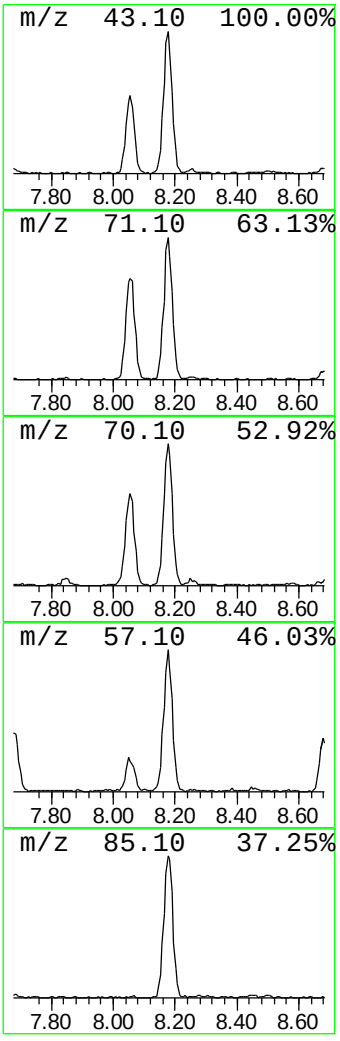
Peak Number 2 Pentane, 2,3,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	11.68 ug/l	417972	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5	Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

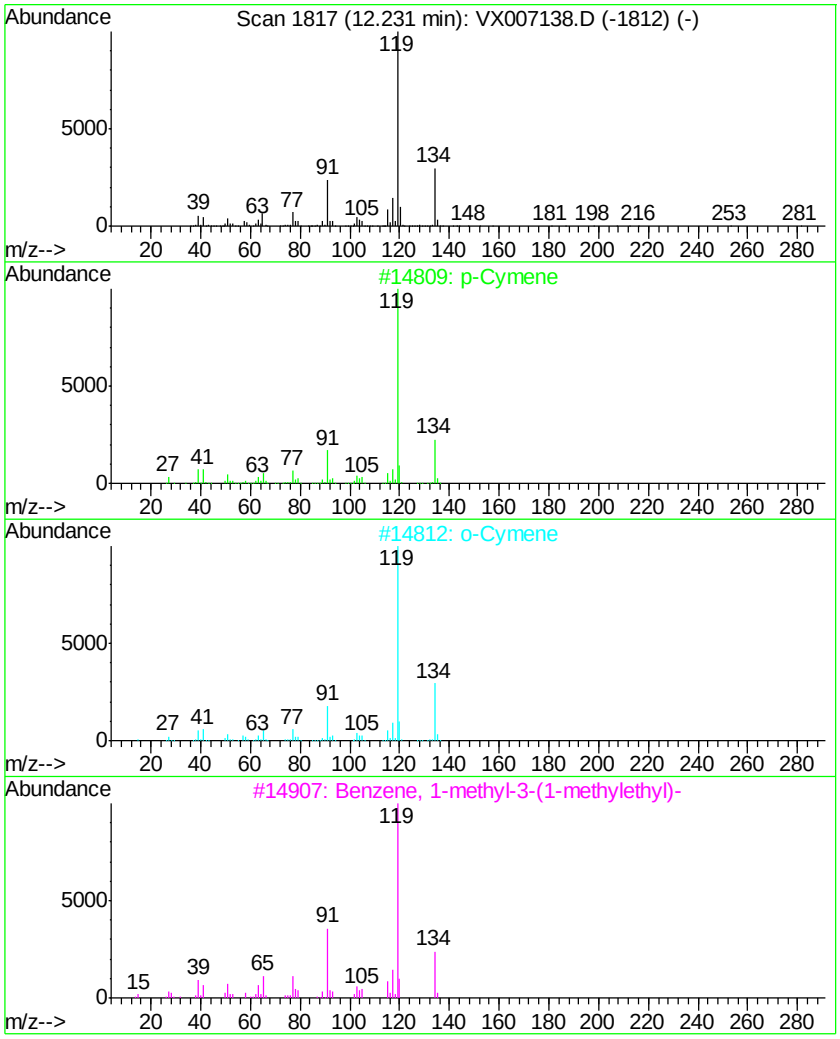
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

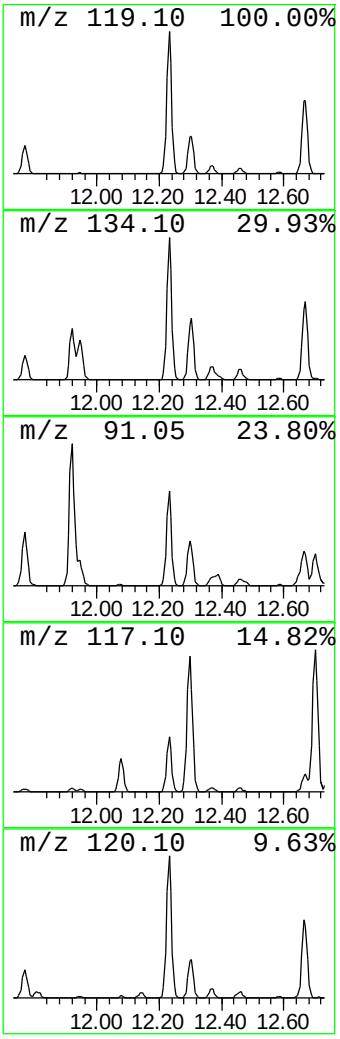
****

Peak Number 3 p-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	42.53 ug/l	2022580	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

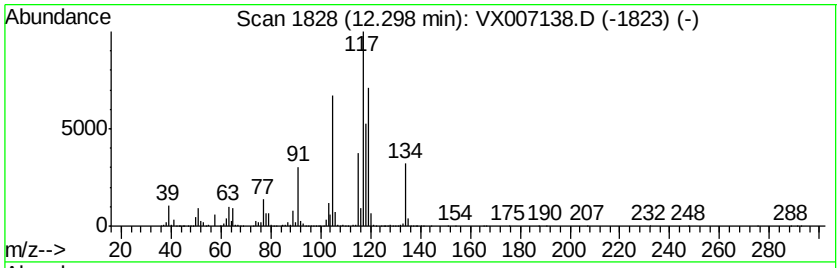
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

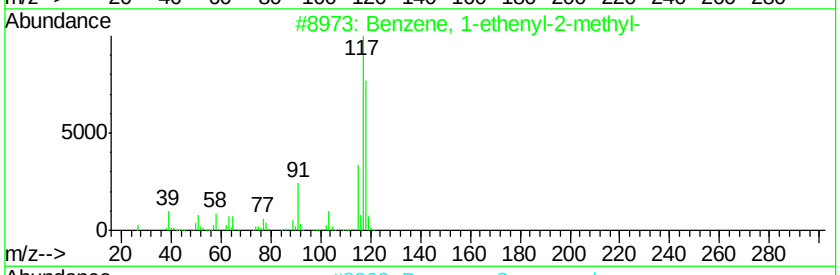
****

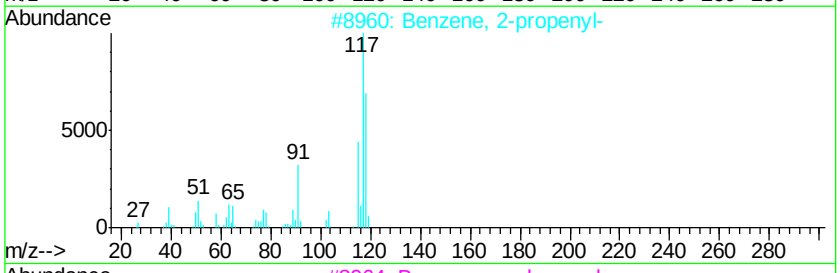
Peak Number 4 Benzene, 1-ethenyl-2-methyl- Concentration Rank 5

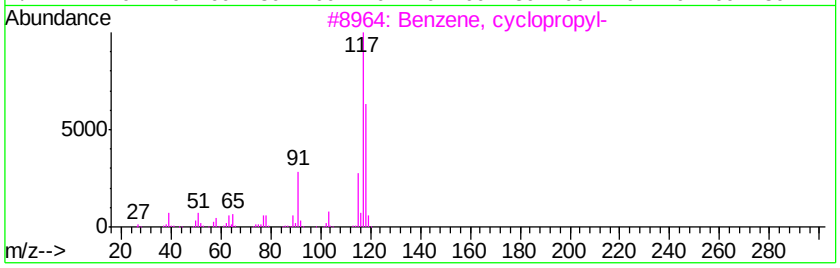
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	34.11 ug/l	1622240	1,4-Dichlorobenzene-d4	12.08

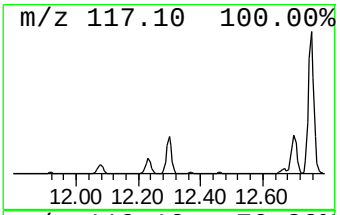
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
4	Deltacyclene	118	C9H10	007785-10-6	60
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	55

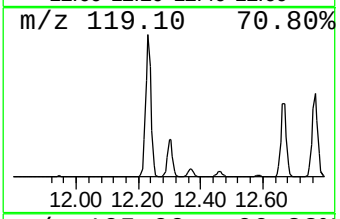


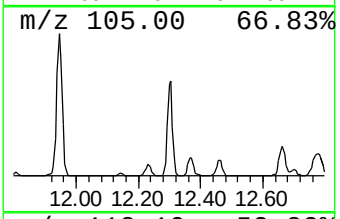


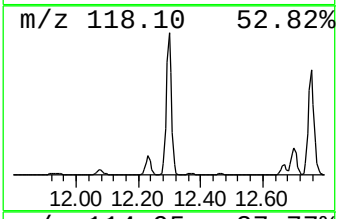


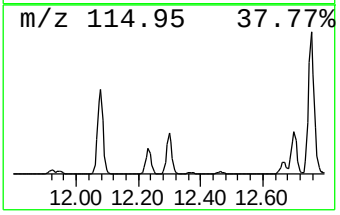












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

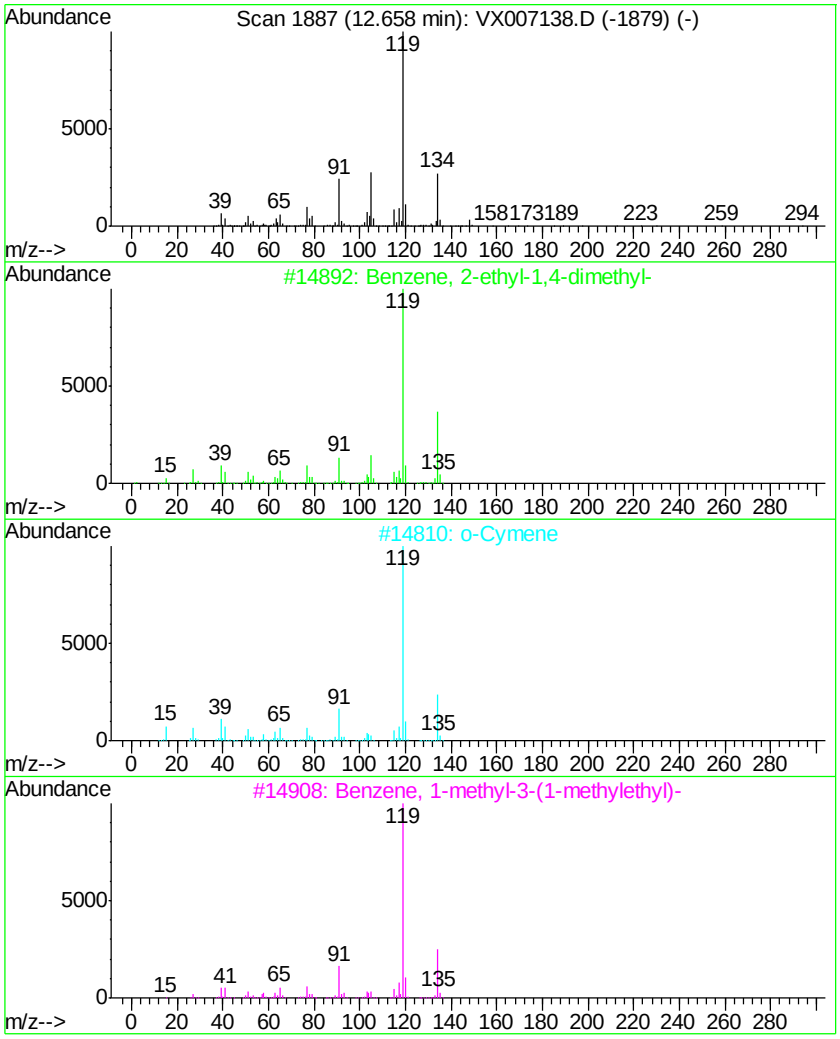
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

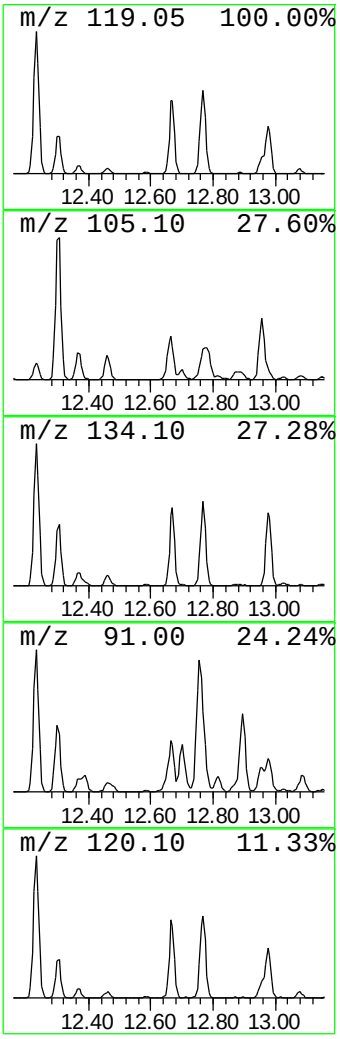
****

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	24.68 ug/l	1173790	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

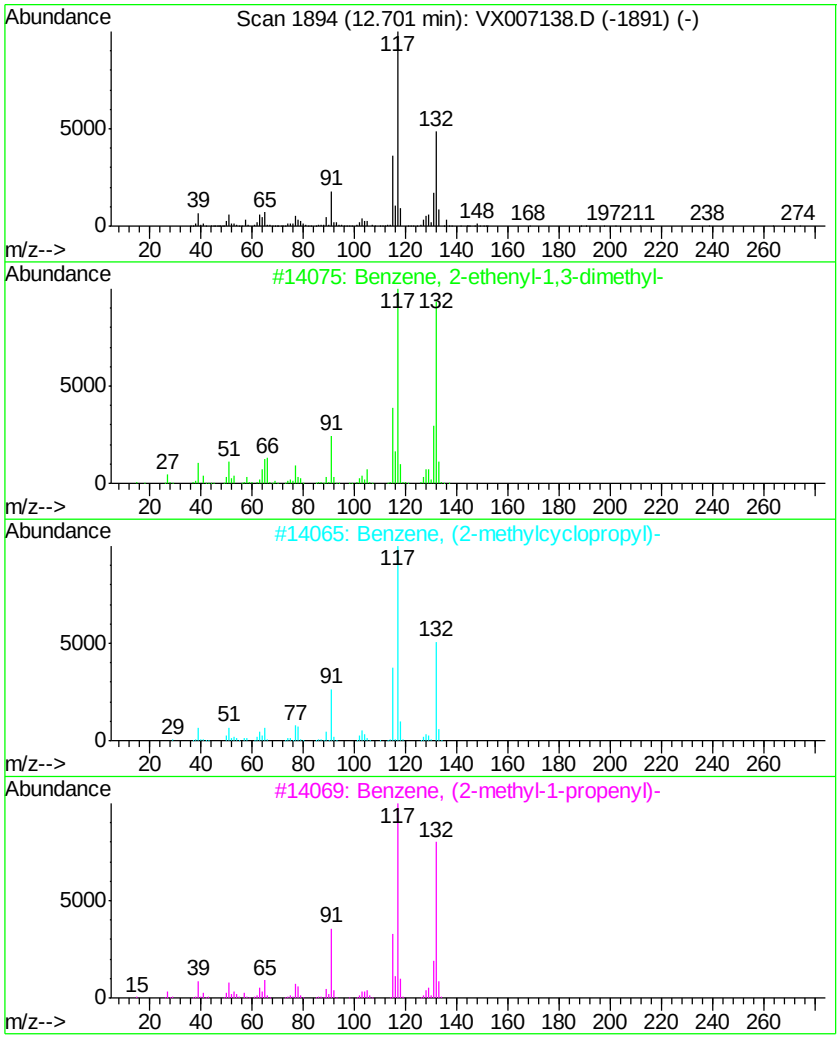
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

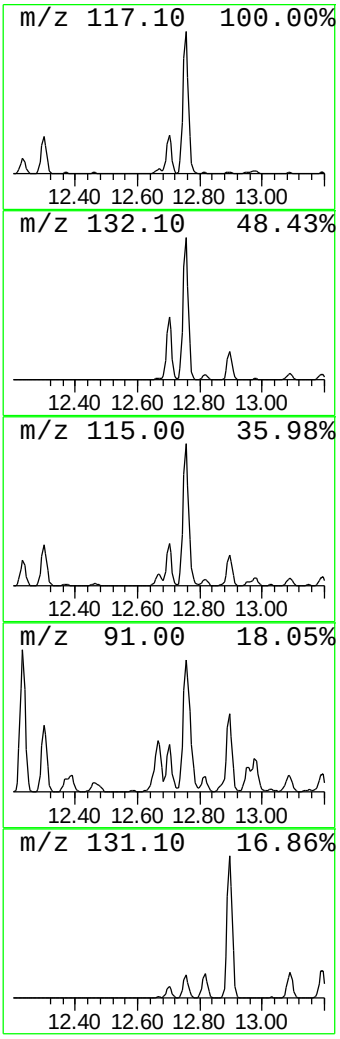
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	28.33 ug/l	1347180	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	91
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

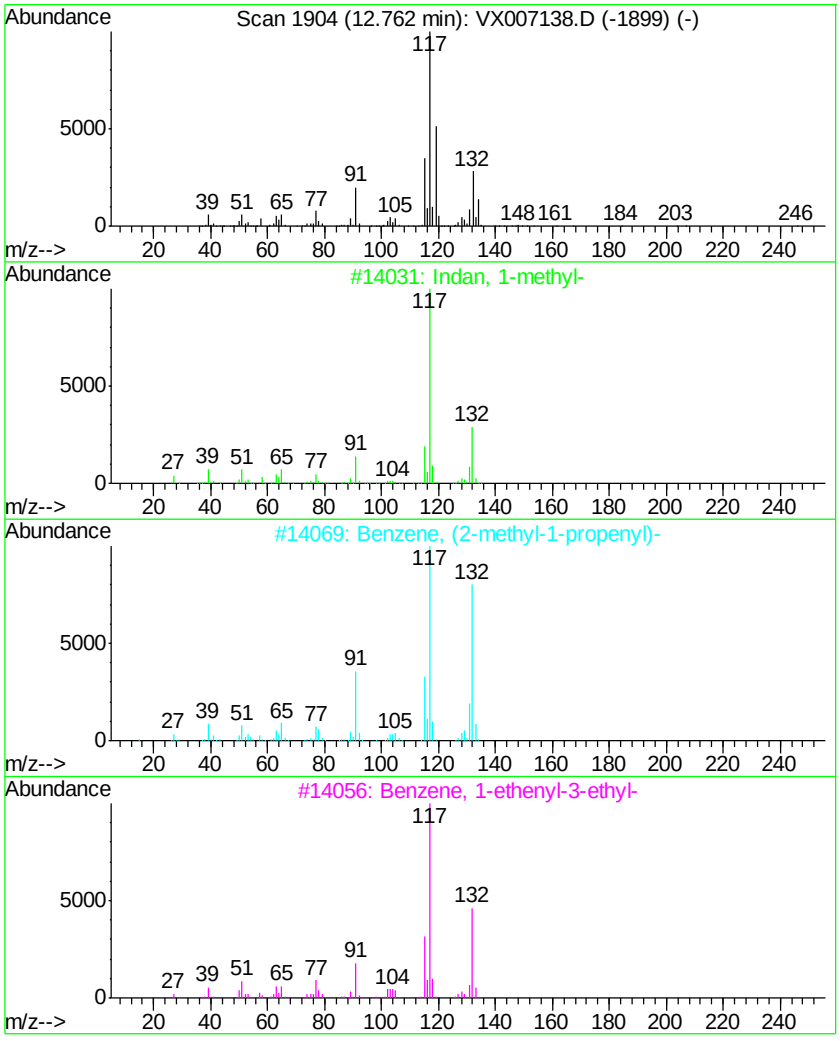
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

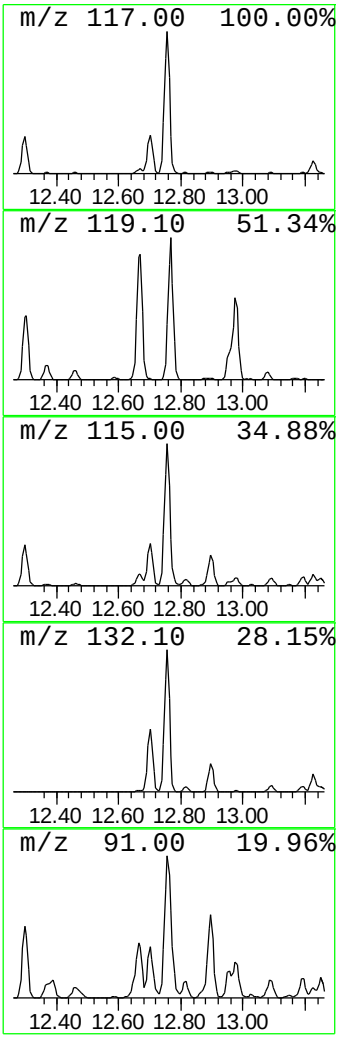
****

Peak Number 7 Indan, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	88.17 ug/l	4192880	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

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

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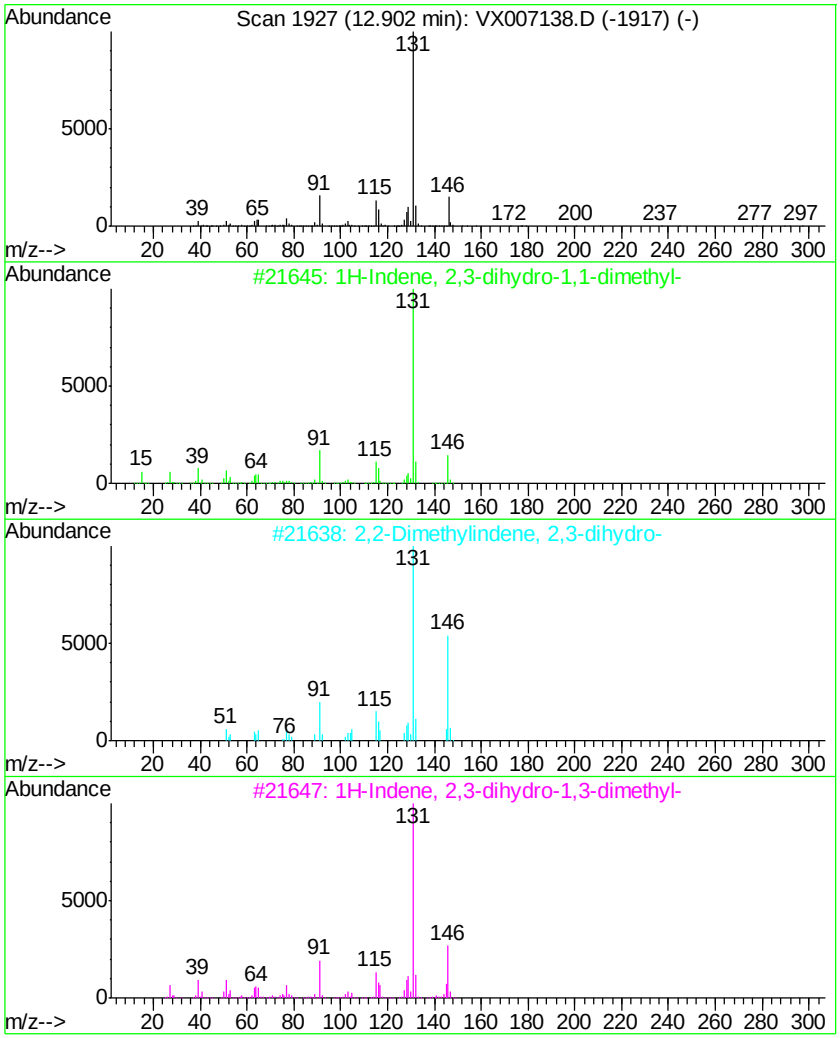
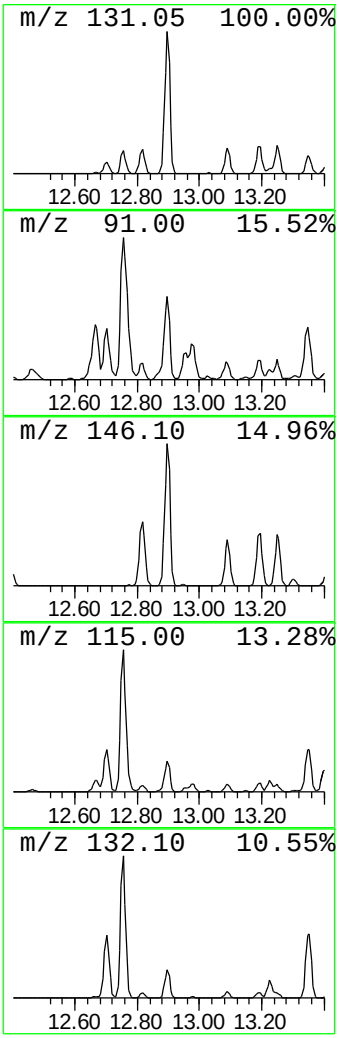
Peak Number 8 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	34.82 ug/l	1655780	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	94
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

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

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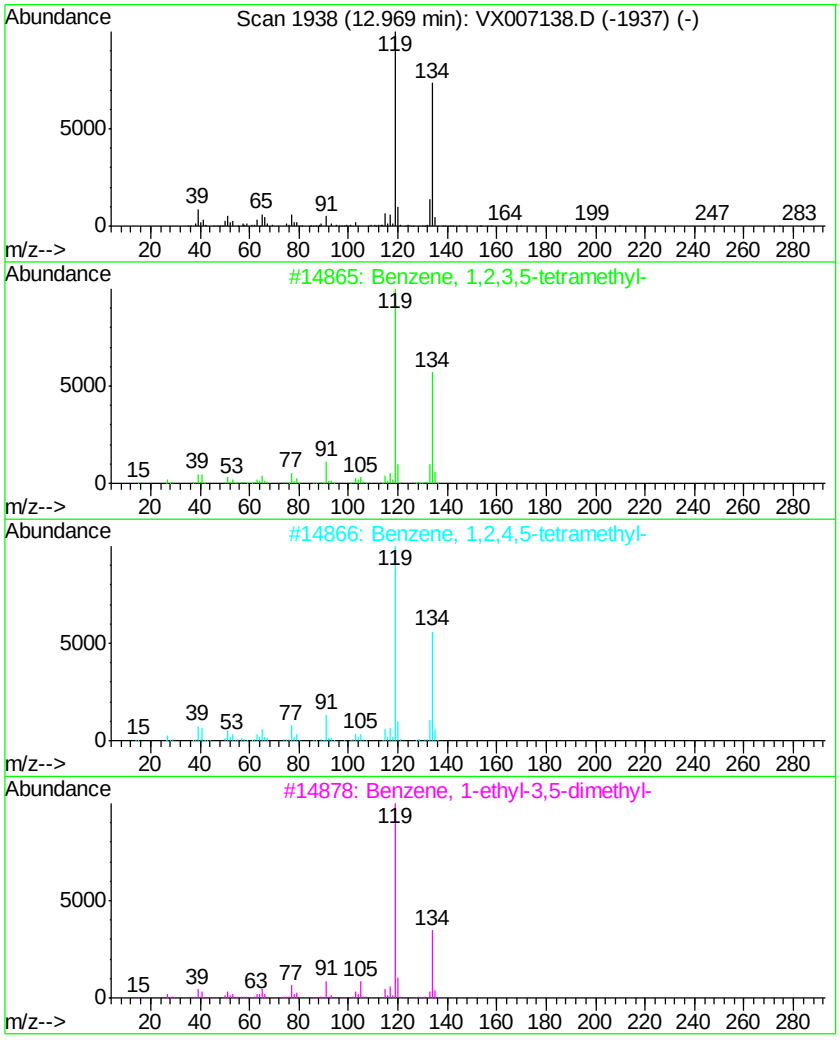
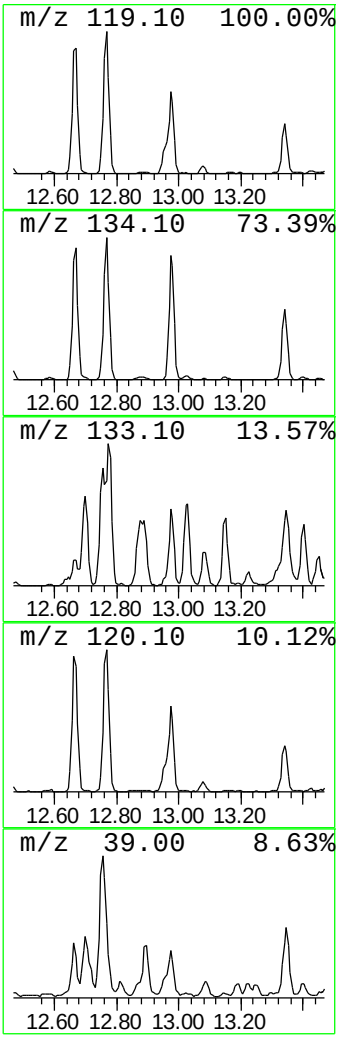
Peak Number 9 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	15.62 ug/l	742941	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

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

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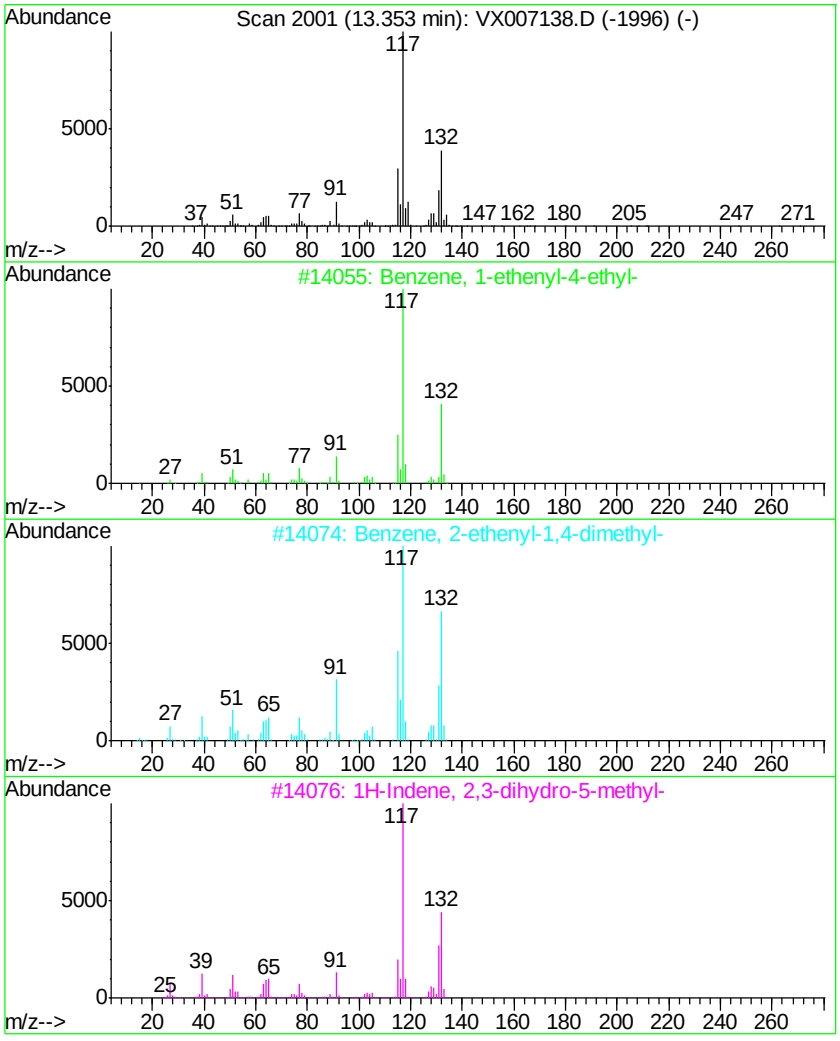
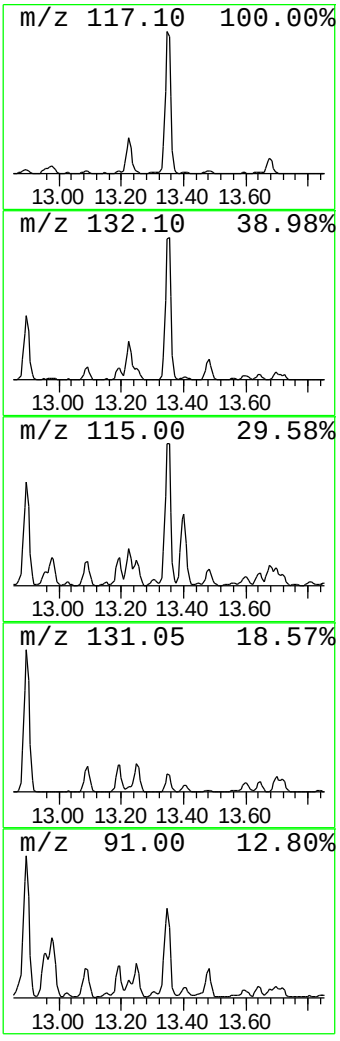
Peak Number 10 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	34.58 ug/l	1644330	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	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011819\
Data File : VX007138.D
Acq On : 18 Jan 2019 16:42
Operator : JC/SP
Sample : K1195-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS038MW013-190116

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.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, 2,2,3,3-t...	6.35	12.0	ug/l	428399	2	6.86	1789070	50.0
Pentane, 2,3,3-tr...	8.18	11.7	ug/l	417972	2	6.86	1789070	50.0
p-Cymene	12.23	42.5	ug/l	2022580	4	12.08	2377790	50.0
Benzene, 1-etheny...	12.30	34.1	ug/l	1622240	4	12.08	2377790	50.0
Benzene, 2-ethyl-...	12.66	24.7	ug/l	1173790	4	12.08	2377790	50.0
Benzene, 2-etheny...	12.70	28.3	ug/l	1347180	4	12.08	2377790	50.0
Indan, 1-methyl-	12.76	88.2	ug/l	4192880	4	12.08	2377790	50.0
1H-Indene, 2,3-di...	12.90	34.8	ug/l	1655780	4	12.08	2377790	50.0
Benzene, 1,2,3,5-...	12.97	15.6	ug/l	742941	4	12.08	2377790	50.0
Benzene, 1-etheny...	13.35	34.6	ug/l	1644330	4	12.08	2377790	50.0