LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

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\82X071619W.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	4.403	522	533	548	rVB	282024	826162	3.06%	0.672%
2	5.501	702	713	718	rBV2	138370	391995	1.45%	0.319%
3	5.580	718	726	734	rVV	396412	1236613	4.58%	1.005%
4	5.659	734	739	748	rVB	211931	555694	2.06%	0.452%
5	6.062	797	805	819	rVB	140161	369431	1.37%	0.300%
6	6.458	861	870	882	rVB	143697	399576	1.48%	0.325%
7	6.860	926	936	957	rVB	363183	857177	3.17%	0.697%
8	7.464	1021	1035	1045	rBV	1375118	3060245	11.33%	2.488%
9	7.732	1072	1079	1090	rVB	142313	278124	1.03%	0.226%
10	8.665	1225	1232	1235	rBV2	172070	297730	1.10%	0.242%
11	8.714	1235	1240	1247	rVB	784420	1276121	4.72%	1.037%
12	9.037	1288	1293	1301	rVB	197631	328256	1.22%	0.267%
13	10.110	1464	1469	1476	rBV	738987	1021822	3.78%	0.831%
14	10.256	1486	1493	1502	rBV	8937102	12294409	45.51%	9.994%
15	10.366	1502	1511	1516	rBV	18525525	27012872	100.00%	21.958%
16	10.701	1560	1566	1571	rBV	15845043	19951967	73.86%	16.218%
17	11.018	1612	1618	1631	rVB	1390169	1741602	6.45%	1.416%
18	11.134	1631	1637	1642	rBV	715309	909498	3.37%	0.739%
19	11.359	1669	1674	1680	rVB	1572816	1920404	7.11%	1.561%
20	11.433	1681	1686	1689	rBV	5696557	8631397	31.95%	7.016%
21	11.506	1694	1698	1707	rVB	2865660	3460123	12.81%	2.813%
22	11.664	1719	1724	1730	rBV	4937306	6307004	23.35%	5.127%
23	11.804	1742	1747	1753	rVB	9063571	11359056	42.05%	9.233%
24	11.945	1767	1770	1778	rVB	240186	293717	1.09%	0.239%
25	12.024	1778	1783	1786	rVV	443232	527142	1.95%	0.428%
26	12.073	1786	1791	1797	rVV2	972722	1463740	5.42%	1.190%
27	12.140	1797	1802	1808	rVB	4549340	5512188	20.41%	4.481%
28	12.298	1821	1828	1830	rBV	1064583	1353447	5.01%	1.100%
29	12.323	1830	1832	1835	rVV	487527	495875	1.84%	0.403%
30	12.371	1835	1840	1849	rVB3	659113	1017662	3.77%	0.827%
31	12.518	1859	1864	1870	rBV	508624	629768	2.33%	0.512%
32	12.585	1870	1875	1877	rBV	476343	621291	2.30%	0.505%
33	12.609	1877	1879	1883	rVV	544688	545010	2.02%	0.443%
34	12.664	1883	1888	1891	rVV	502170	595385	2.20%	0.484%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

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\82X071619W.M
Title : SW846 8260

35	12.755	1898	1903	1911	rBV2	432953	743374	2.75%	0.604%
36	12.902	1922	1927	1932	rVB2	317464	404844	1.50%	0.329%
37	12.975	1932	1939	1942	rVV	262567	337588	1.25%	0.274%
38	13.018	1942	1946	1952	rVB	479781	593407	2.20%	0.482%
39	13.341	1995	1999	2005	rVB2	873414	1154213	4.27%	0.938%
40	13.475	2016	2021	2027	rVB	448487	560597	2.08%	0.456%
41	13.835	2071	2080	2087	rBV	984232	1364496	5.05%	1.109%
42	14.694	2212	2221	2225	rBV	242503	320821	1.19%	0.261%

Sum of corrected areas: 123021843

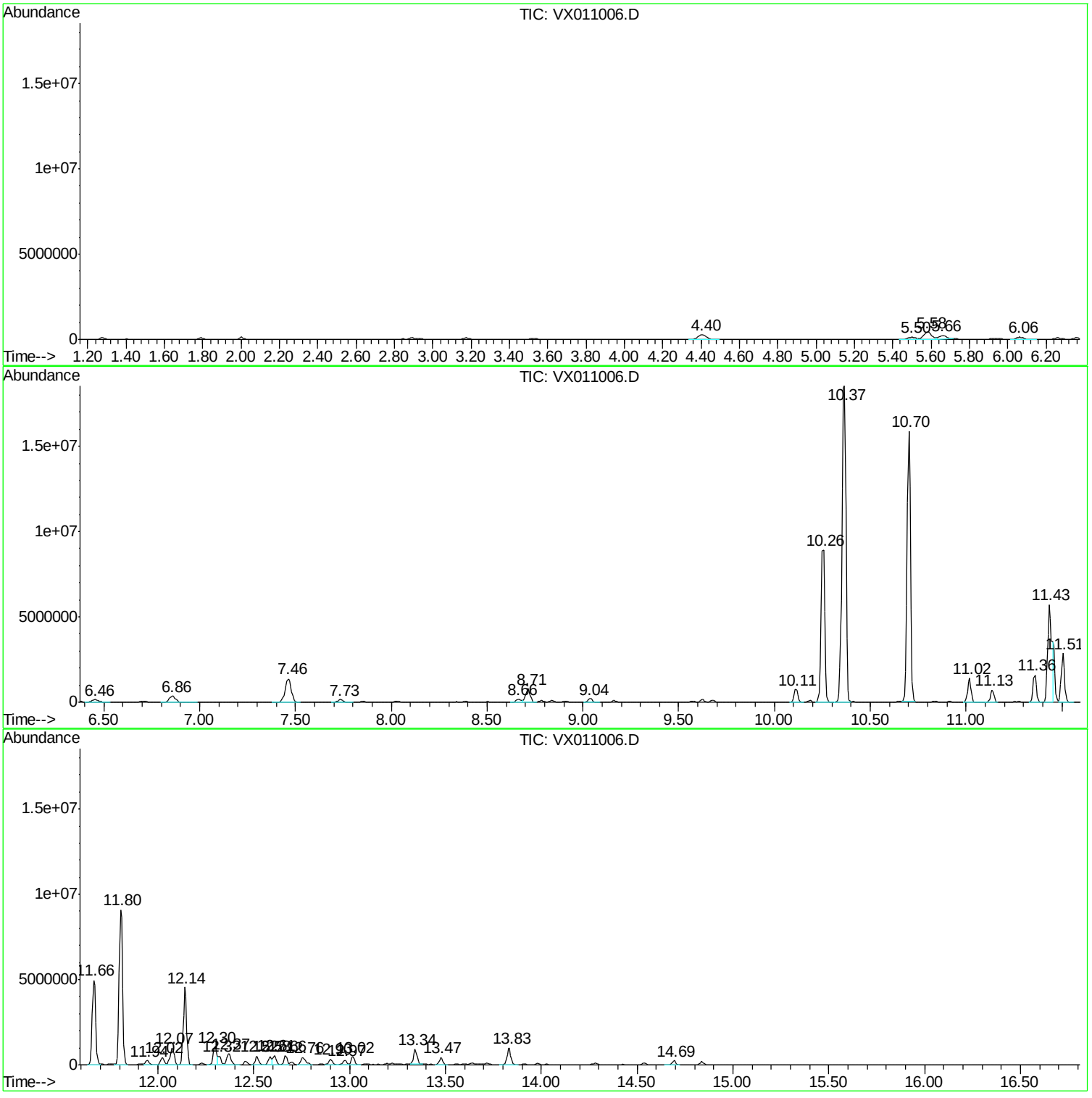
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.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\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

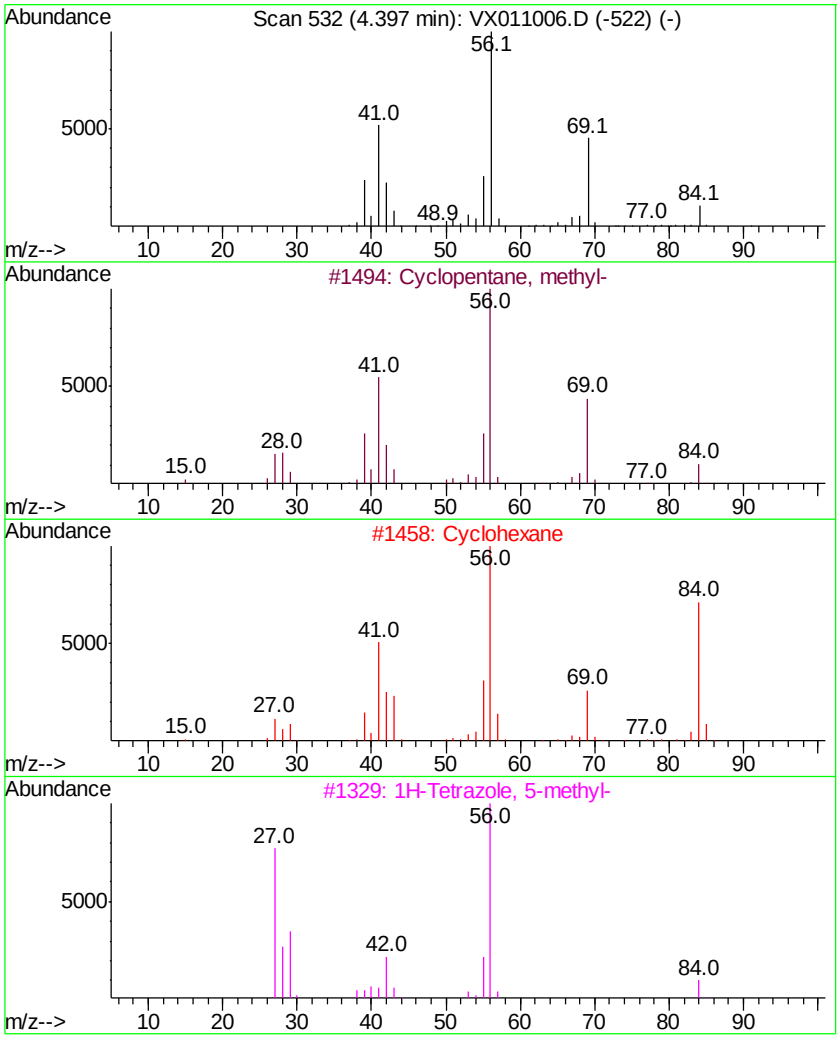
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

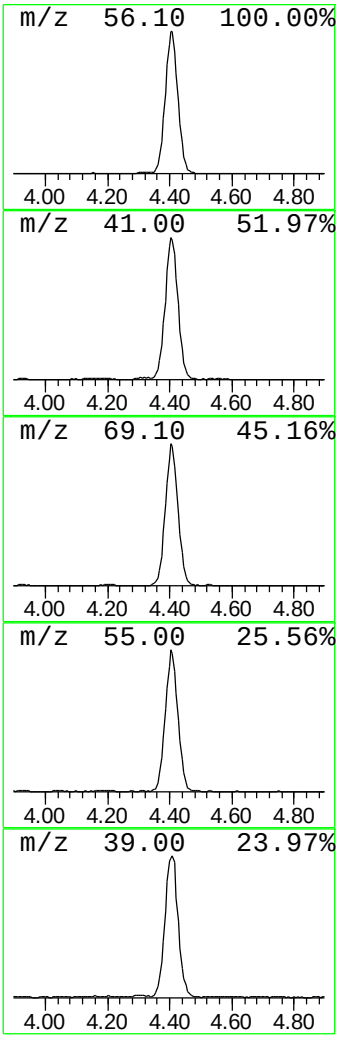
****

Peak Number 1 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	74.34 ug/l	826162	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	78
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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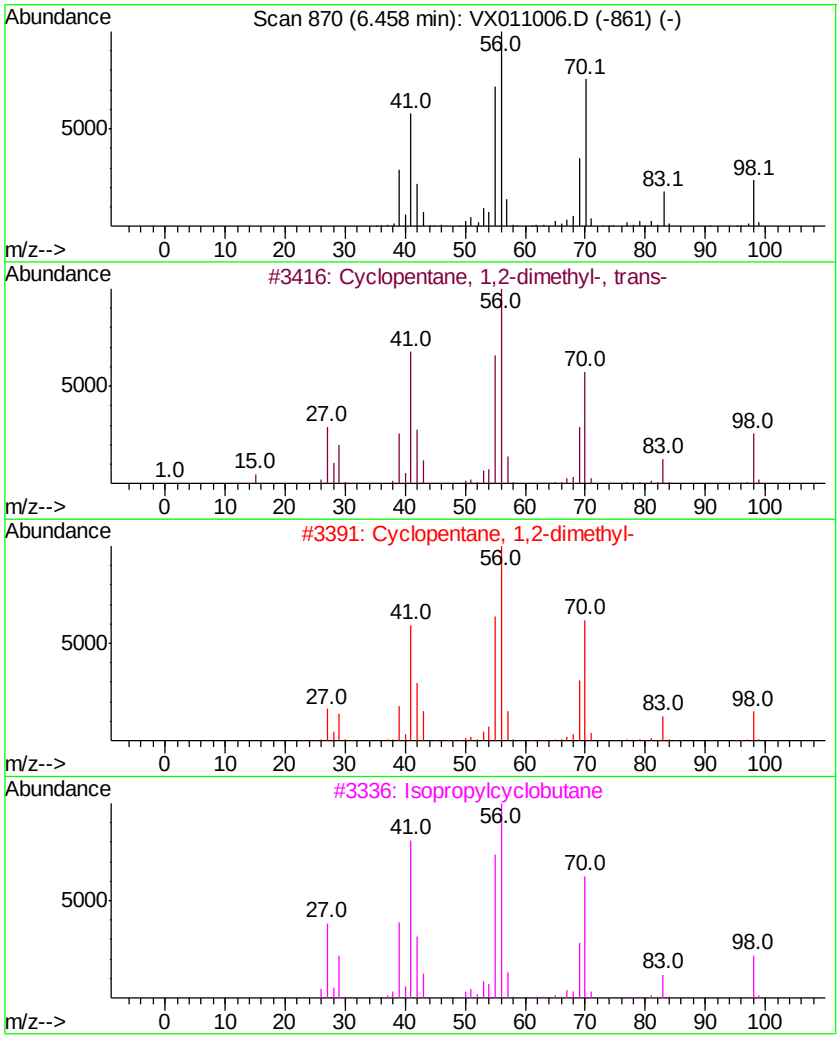
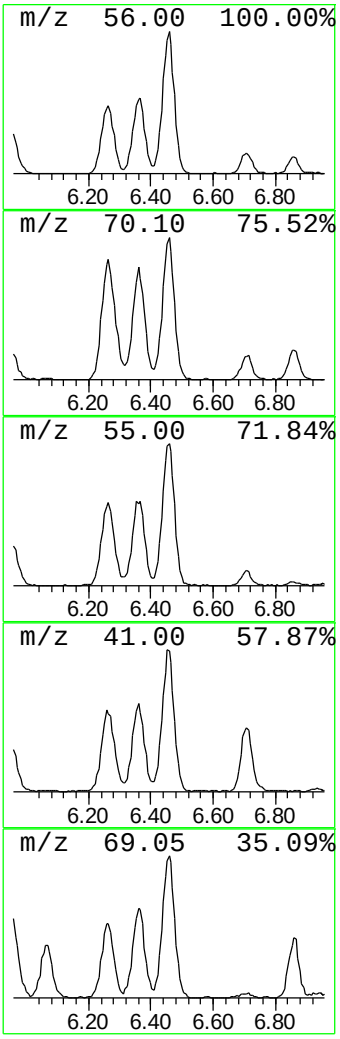
Peak Number 2 Cyclopentane, 1,2-dimethyl-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	23.31 ug/l	399576	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
3	Isopropylcyclobutane	98	C7H14	000872-56-0	91
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	86
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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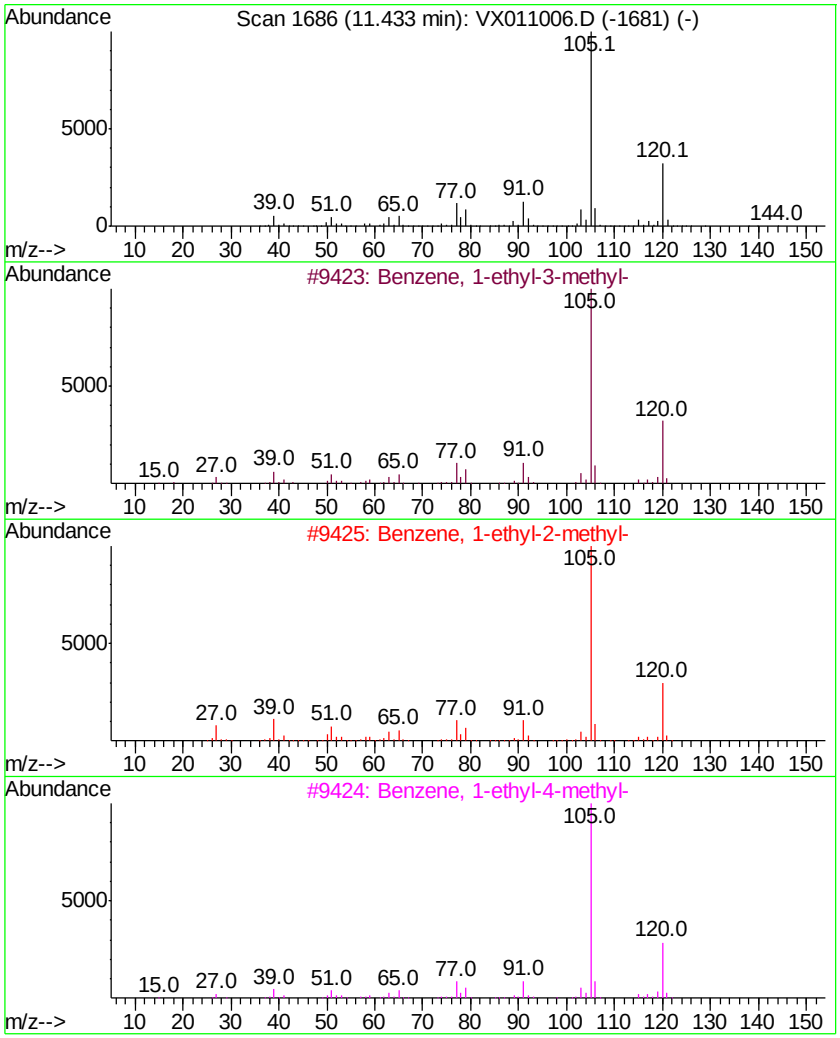
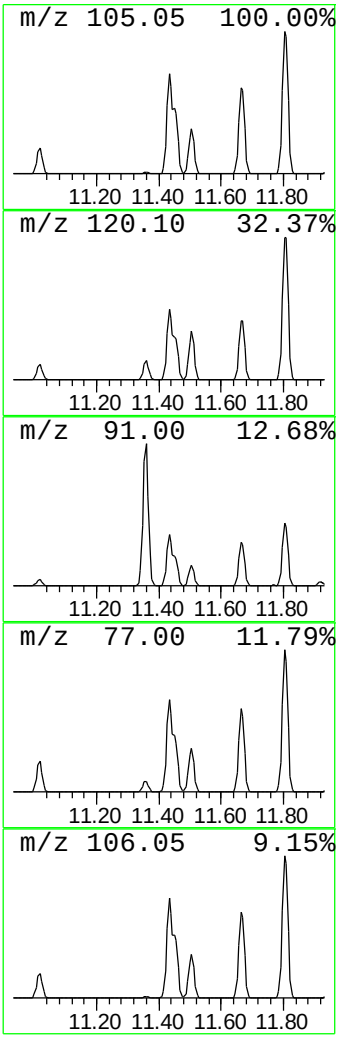
Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	294.84 ug/l	8631400	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\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

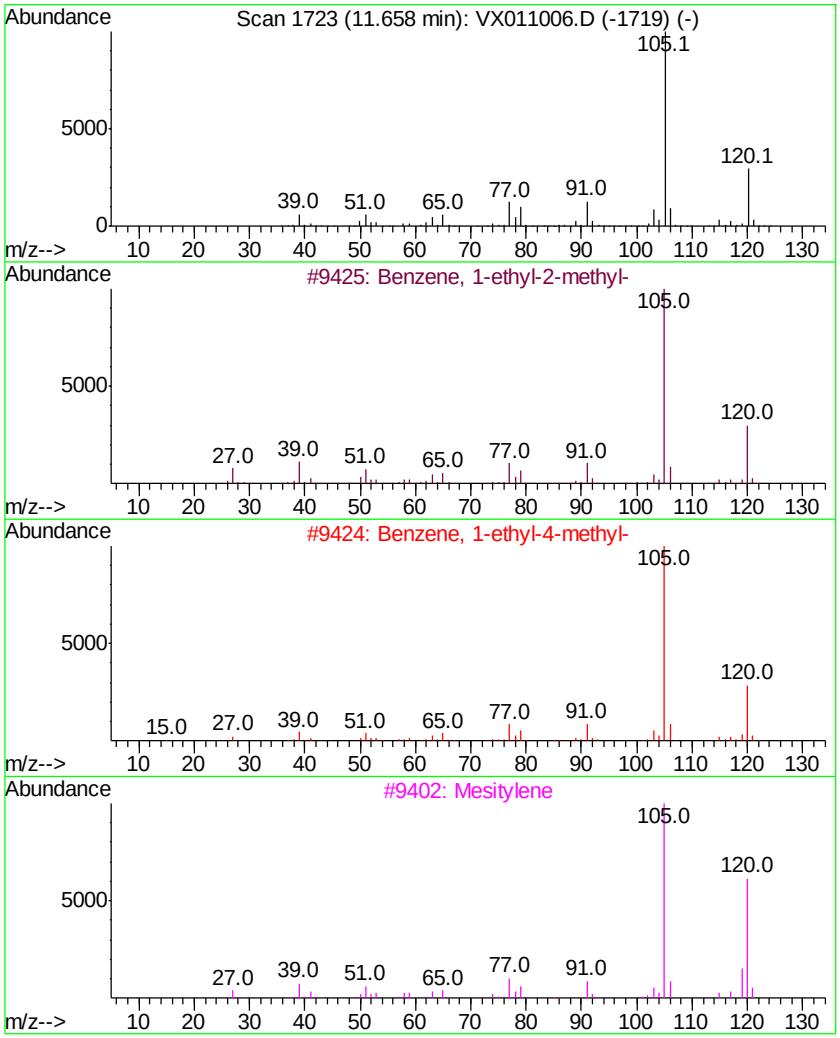
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

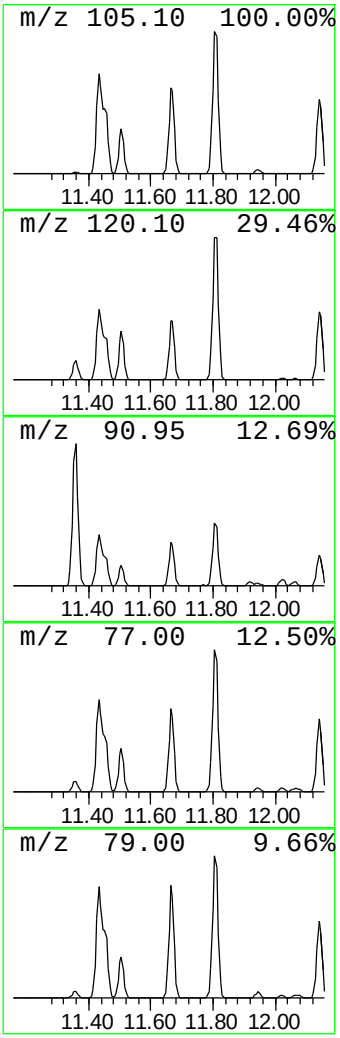
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	215.44 ug/l	6307000	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

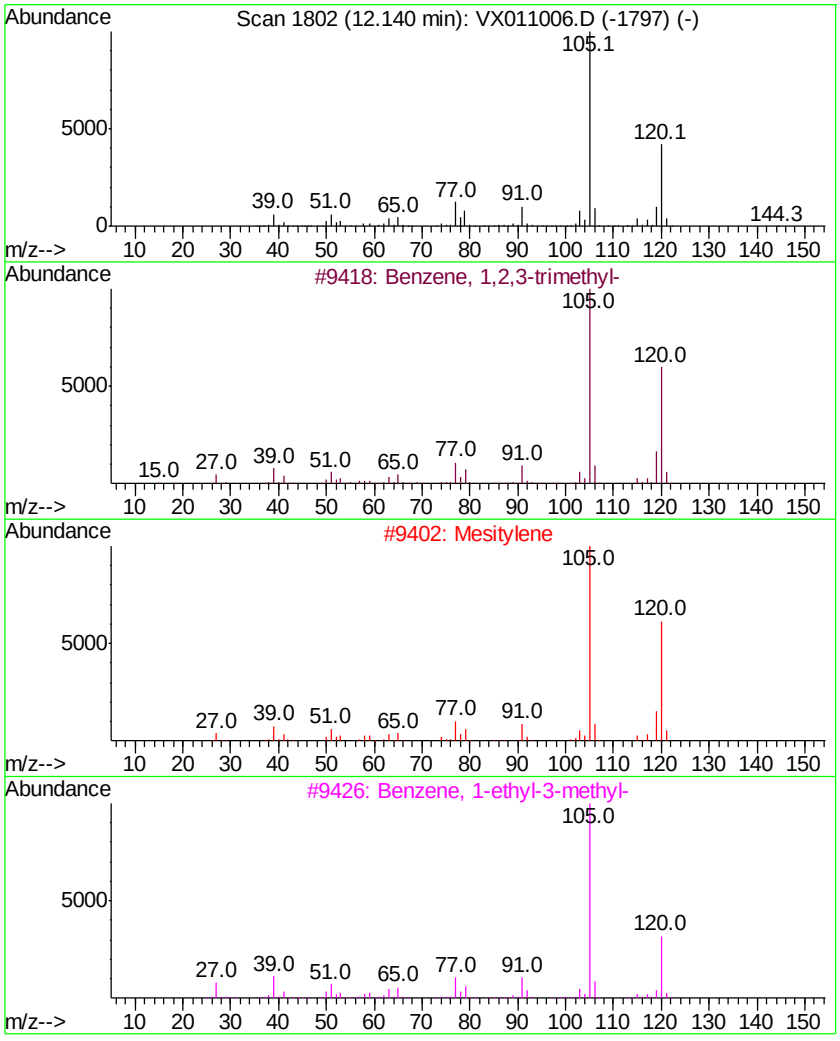
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

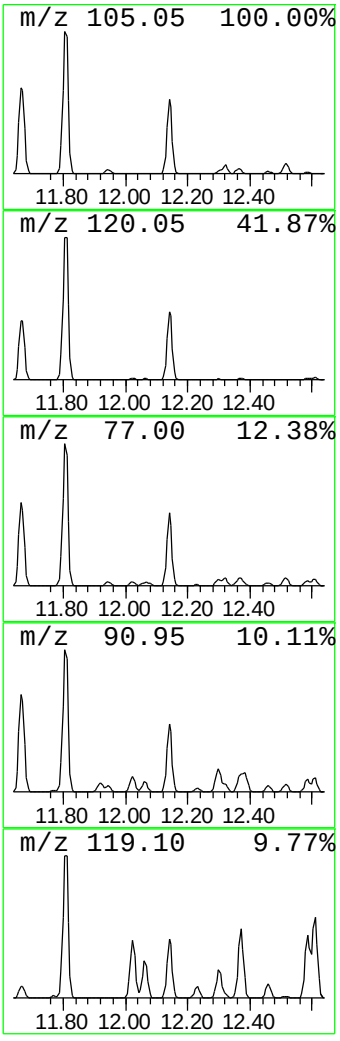
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	188.29 ug/l	5512190	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

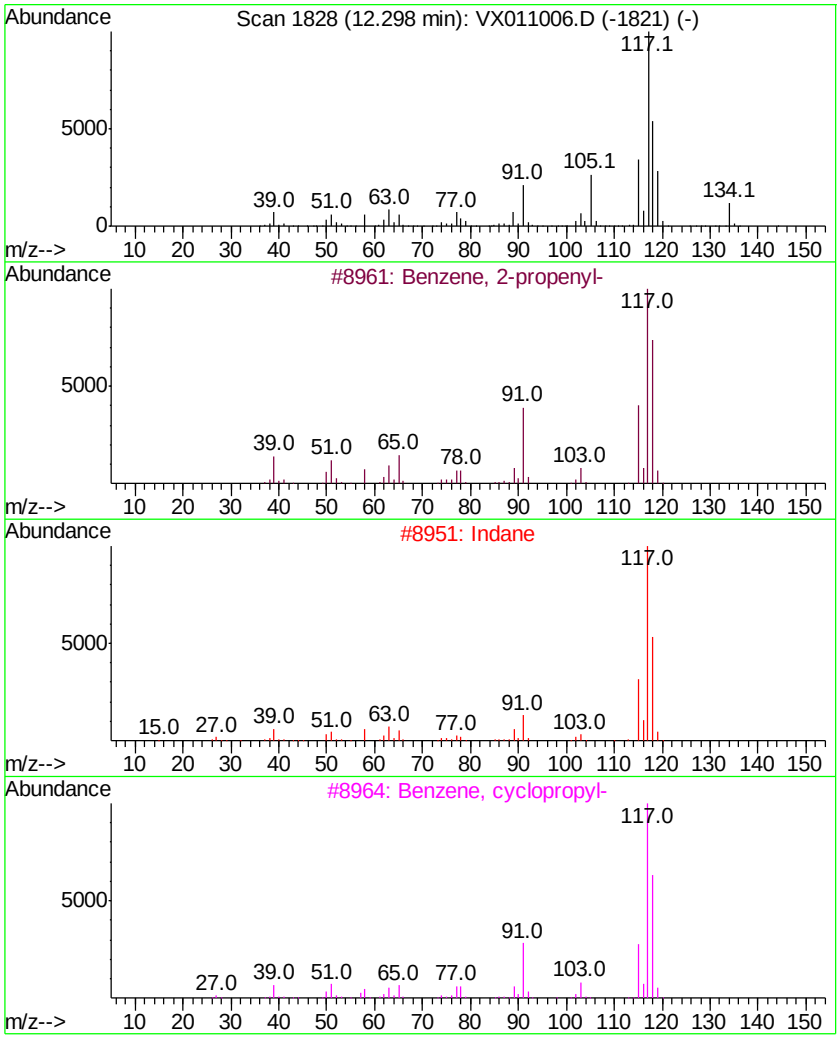
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

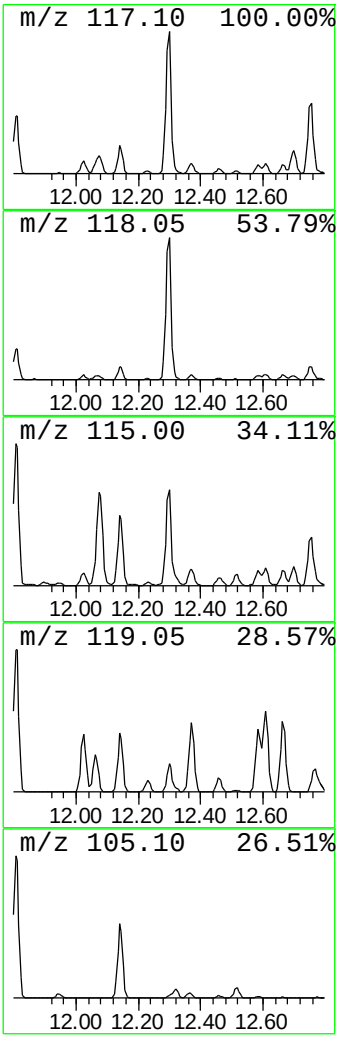
****

Peak Number 6 Benzene, 2-propenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	46.23 ug/l	1353450	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
2	Indane	118	C9H10	000496-11-7	64
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	46
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

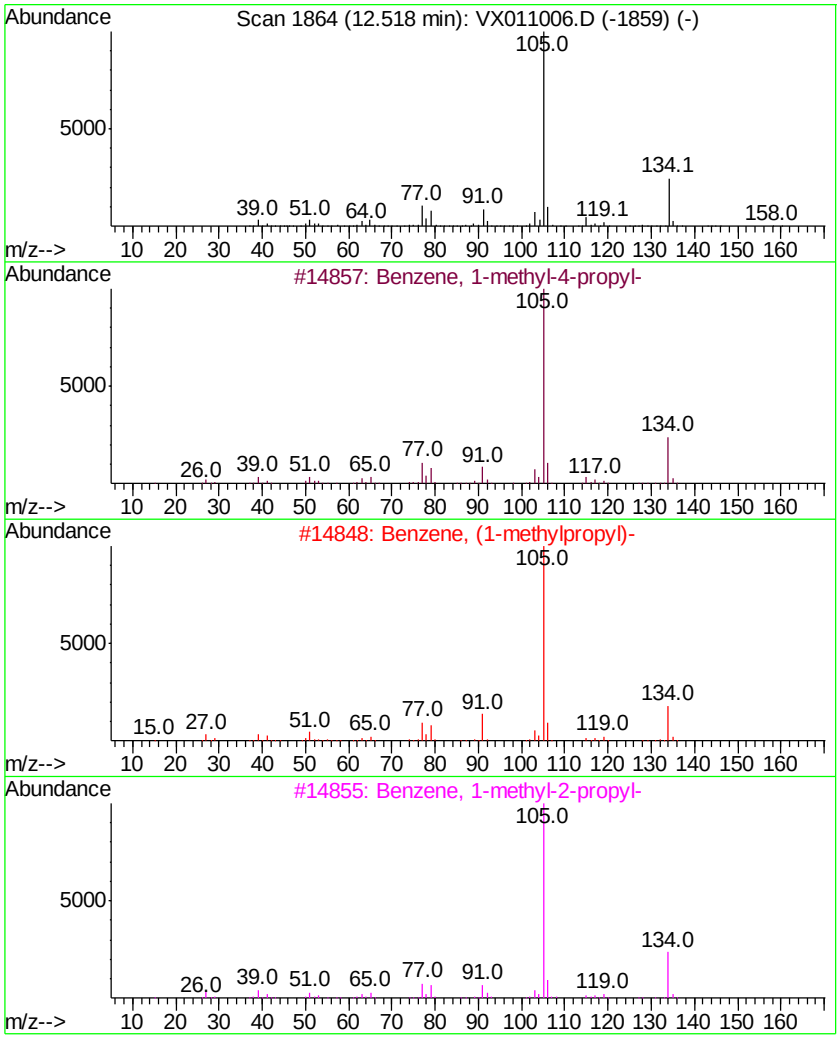
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

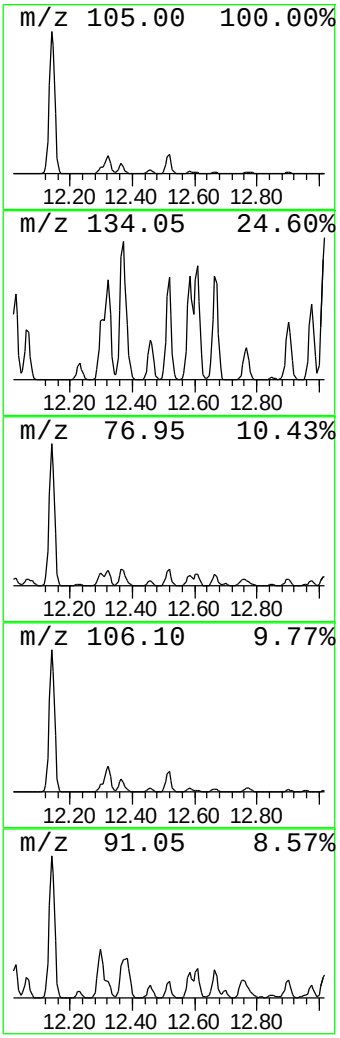
****

Peak Number 7 Benzene, 1-methyl-4-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	21.51 ug/l	629768	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	80
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

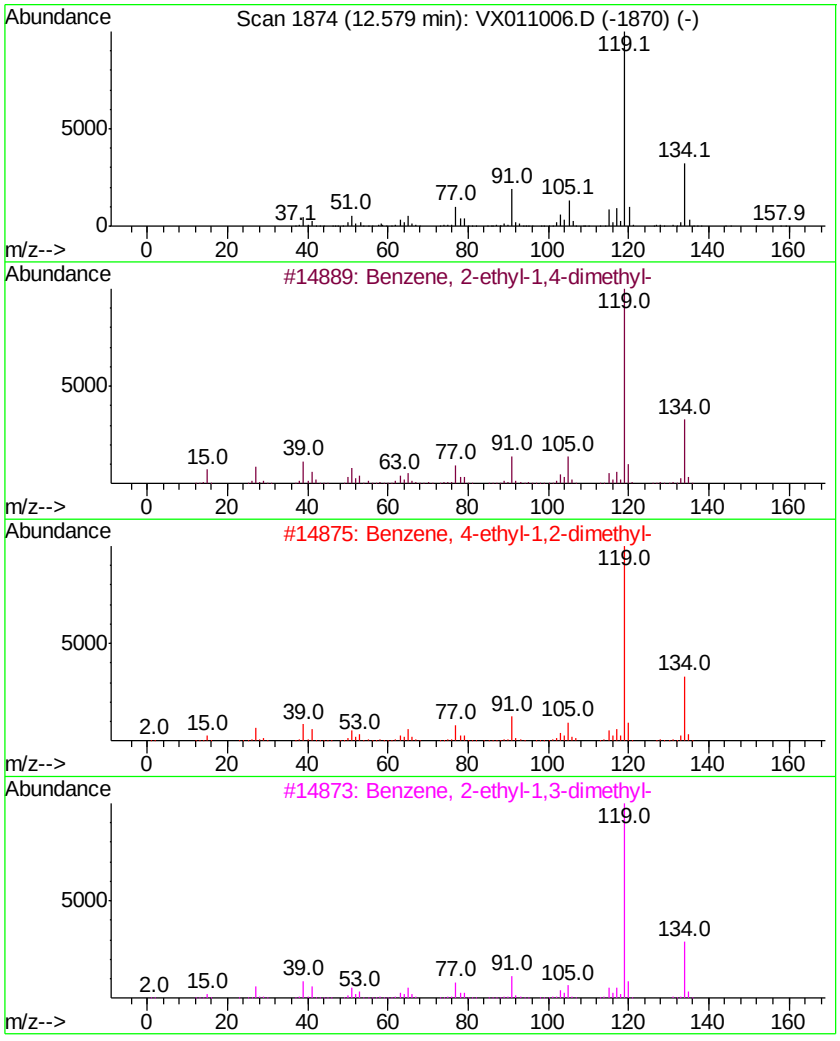
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

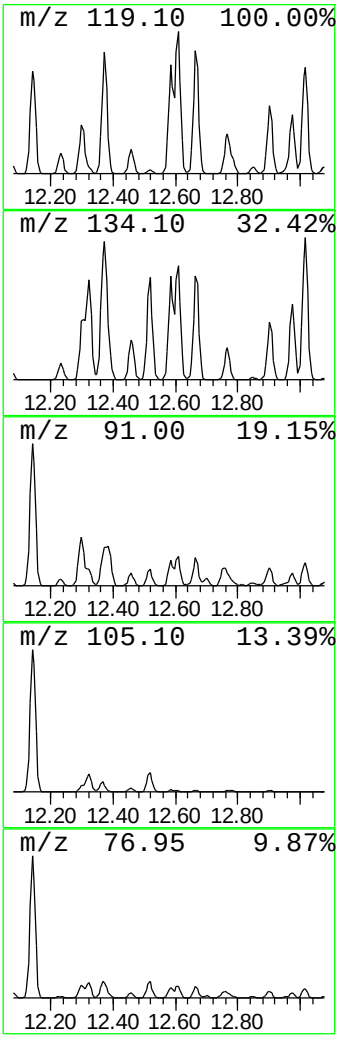
****

Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	21.22 ug/l	621291	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	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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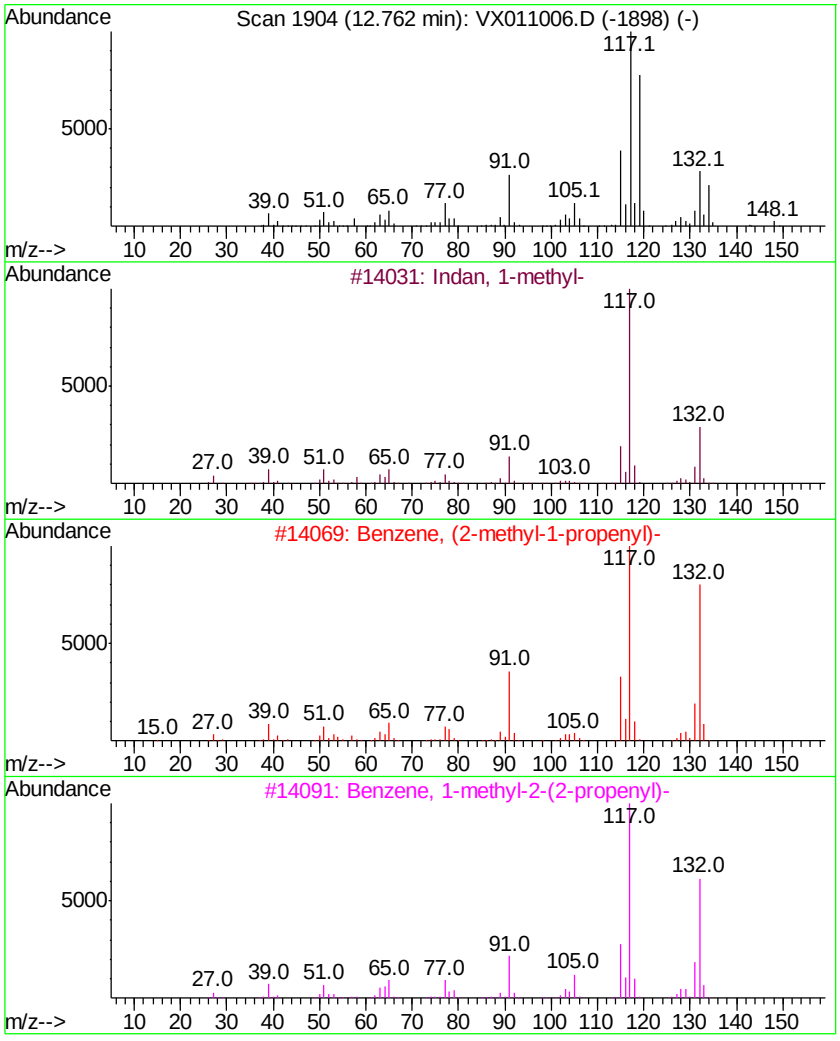
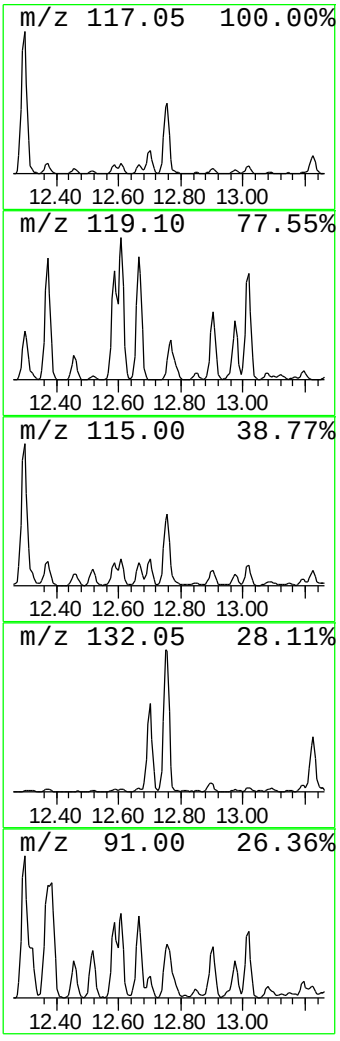
Peak Number 9 Indan, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	25.39 ug/l	743374	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	83
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	76
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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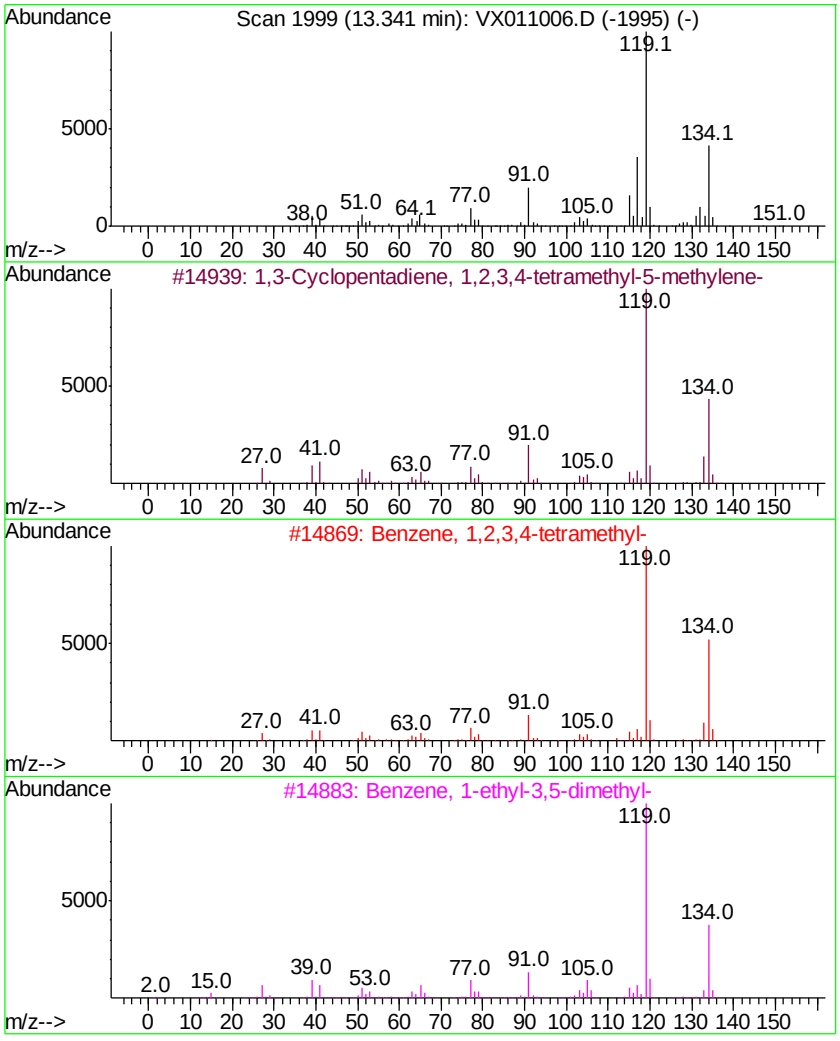
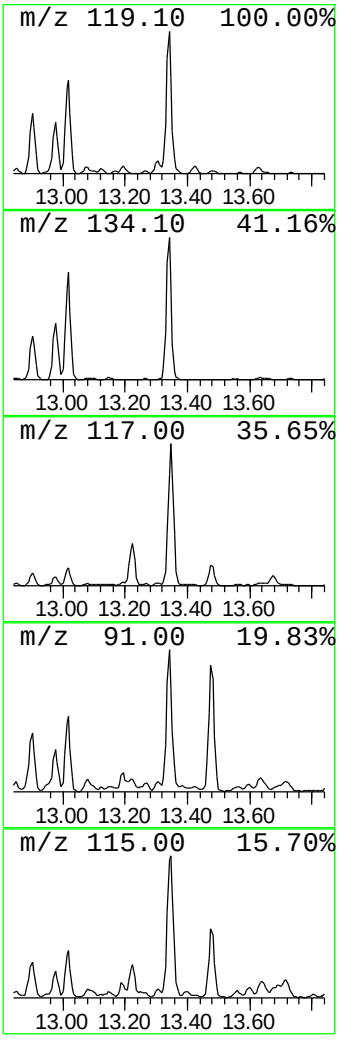
Peak Number 10 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	39.43 ug/l	1154210	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
4	o-Cymene	134	C10H14	000527-84-4	81
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072019\
Data File : VX011006.D
Acq On : 19 Jul 2019 16:38
Operator : JC/SP
Sample : K3884-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0622

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.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
Cyclopentane, met...	4.40	74.3	ug/l	826162	1	5.67	555694	50.0
Cyclopentane, 1,2...	6.46	23.3	ug/l	399576	2	6.86	857177	50.0
Benzene, 1-ethyl-...	11.43	294.8	ug/l	8631400	4	12.08	1463740	50.0
Benzene, 1-ethyl-...	11.66	215.4	ug/l	6307000	4	12.08	1463740	50.0
Benzene, 1,2,3-tr...	12.14	188.3	ug/l	5512190	4	12.08	1463740	50.0
Benzene, 2-propenyl-	12.30	46.2	ug/l	1353450	4	12.08	1463740	50.0
Benzene, 1-methyl...	12.52	21.5	ug/l	629768	4	12.08	1463740	50.0
Benzene, 2-ethyl-...	12.58	21.2	ug/l	621291	4	12.08	1463740	50.0
Indan, 1-methyl-	12.76	25.4	ug/l	743374	4	12.08	1463740	50.0
1,3-Cyclopentadie...	13.34	39.4	ug/l	1154210	4	12.08	1463740	50.0