LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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\82X103119W.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	1.070	26	30	43	rBV	3008589	3496768	3.05%	0.699%
2	5.490	743	755	765	rBV2	398938	1161533	1.01%	0.232%
3	5.648	772	781	797	rVB	679656	1892780	1.65%	0.378%
4	6.051	835	847	858	rBV	442886	1176706	1.03%	0.235%
5	6.849	967	978	989	rBV	1090856	2567989	2.24%	0.513%
6	8.709	1278	1283	1292	rVB	2378801	3672985	3.20%	0.734%
7	10.105	1508	1512	1518	rVB	2185481	2993709	2.61%	0.598%
8	10.245	1529	1535	1541	rBV	7188089	9452256	8.24%	1.888%
9	10.355	1541	1553	1559	rVV	7923410	12318133	10.73%	2.461%
10	10.635	1592	1599	1607	rBV3	1464478	3224703	2.81%	0.644%
11	10.830	1623	1631	1635	rBV2	3306214	4992497	4.35%	0.997%
12	10.910	1635	1644	1647	rBV3	2684012	4350683	3.79%	0.869%
13	11.013	1655	1661	1665	rBV	13353998	16626800	14.49%	3.322%
14	11.135	1676	1681	1685	rVB	2370718	3155160	2.75%	0.630%
15	11.178	1685	1688	1692	rVB	996641	1180389	1.03%	0.236%
16	11.275	1696	1704	1712	rVB2	1865175	3301442	2.88%	0.660%
17	11.355	1712	1717	1722	rBV	21774026	27345849	23.82%	5.463%
18	11.434	1725	1730	1731	rVV	10933052	14906274	12.99%	2.978%
19	11.452	1731	1733	1736	rVV	14236276	15157344	13.21%	3.028%
20	11.501	1736	1741	1750	rVB	20176685	27752153	24.18%	5.544%
21	11.672	1763	1769	1776	rBV7	1214666	2588931	2.26%	0.517%
22	11.763	1781	1784	1787	rVV	3230144	4371206	3.81%	0.873%
23	11.812	1787	1792	1801	rVB2	83057997	114780899	100.00%	22.931%
24	11.916	1801	1809	1811	rBV	3531375	5484437	4.78%	1.096%
25	11.940	1811	1813	1818	rVV	6473479	7756421	6.76%	1.550%
26	11.995	1818	1822	1824	rVV	1141391	1549946	1.35%	0.310%
27	12.025	1824	1827	1830	rVV	3064398	3809068	3.32%	0.761%
28	12.062	1830	1833	1840	rVV2	4528720	7541578	6.57%	1.507%
29	12.141	1840	1846	1851	rVV	35177976	43837896	38.19%	8.758%
30	12.227	1855	1860	1866	rVB	2772788	3667858	3.20%	0.733%
31	12.294	1866	1871	1879	rBV	20893591	30631454	26.69%	6.119%
32	12.367	1879	1883	1891	rVB3	9968664	17332160	15.10%	3.463%
33	12.458	1891	1898	1903	rBV	2910129	3995051	3.48%	0.798%
34	12.513	1903	1907	1913	rVB	1521276	2083242	1.81%	0.416%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

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\82X103119W.M
Title : SW846 8260

35	12.580	1913	1918	1920	rBV	5227371	6629156	5.78%	1.324%
36	12.604	1920	1922	1927	rVV	5661666	6686280	5.83%	1.336%
37	12.665	1927	1932	1935	rVV	12377685	14850964	12.94%	2.967%
38	12.696	1935	1937	1942	rVV	3829074	4341169	3.78%	0.867%
39	12.751	1942	1946	1954	rVB2	8708884	14789543	12.89%	2.955%
40	12.897	1964	1970	1974	rVB3	3525787	5114873	4.46%	1.022%
41	12.970	1974	1982	1986	rVV	5283558	7603284	6.62%	1.519%
42	13.013	1986	1989	1996	rVB	7185570	8593059	7.49%	1.717%
43	13.080	1996	2000	2005	rBV3	827109	1353875	1.18%	0.270%
44	13.220	2020	2023	2026	rVB	1093150	1197786	1.04%	0.239%
45	13.342	2038	2043	2049	rVB2	8347170	11619819	10.12%	2.321%
46	13.476	2060	2065	2071	rVB	2228935	2818577	2.46%	0.563%
47	13.830	2115	2123	2130	rVB	3723601	4804308	4.19%	0.960%

Sum of corrected areas: 500558993

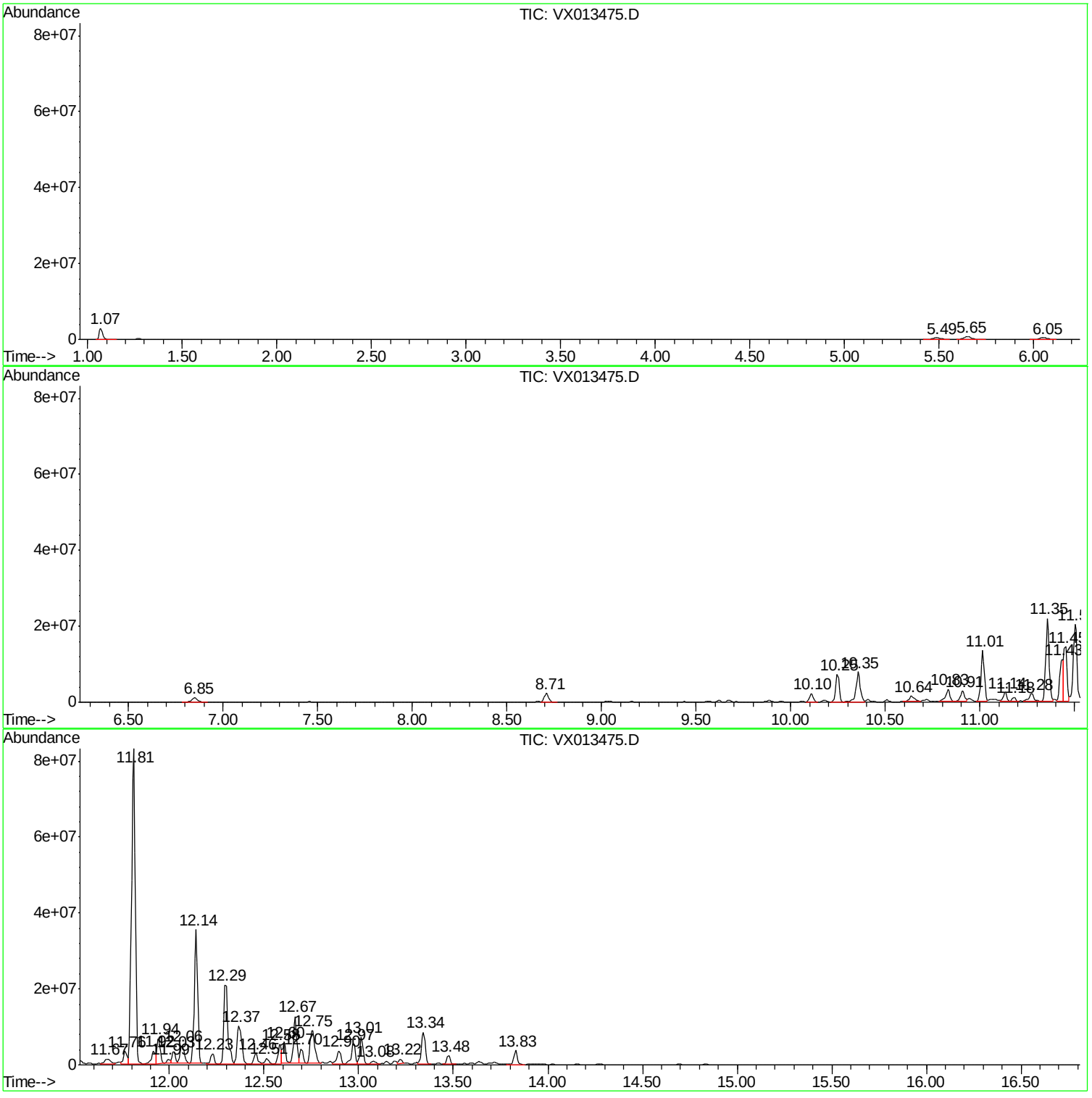
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.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\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260

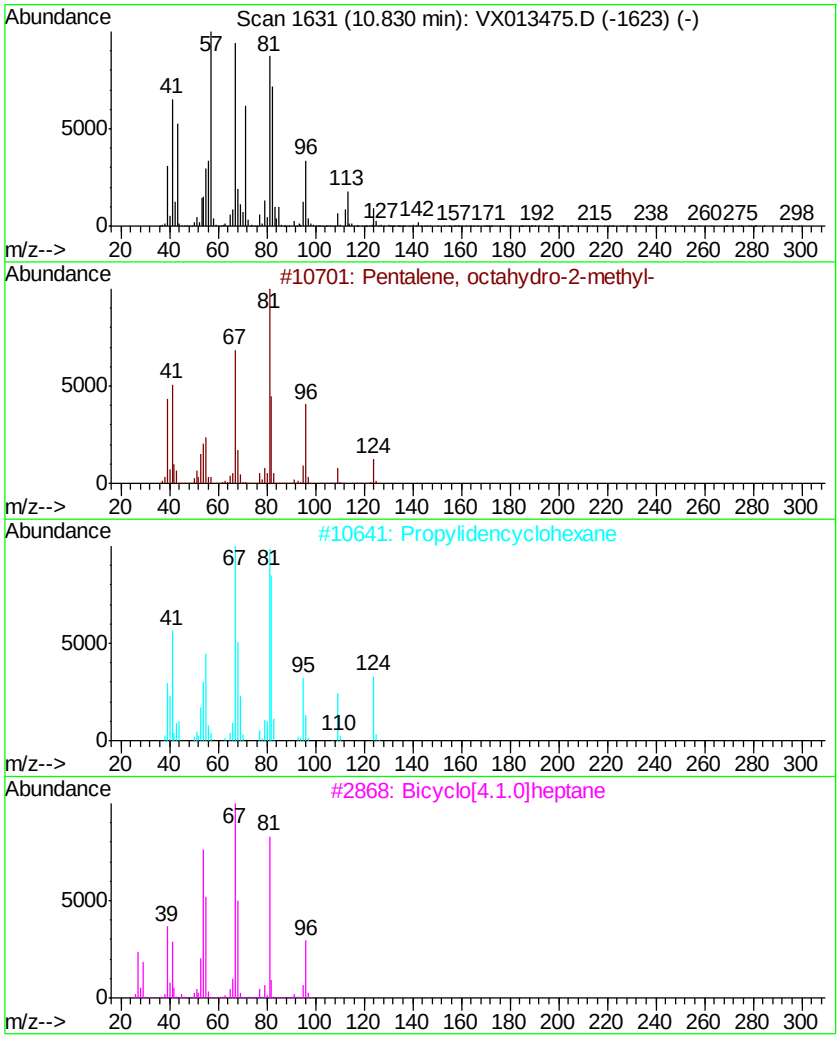
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

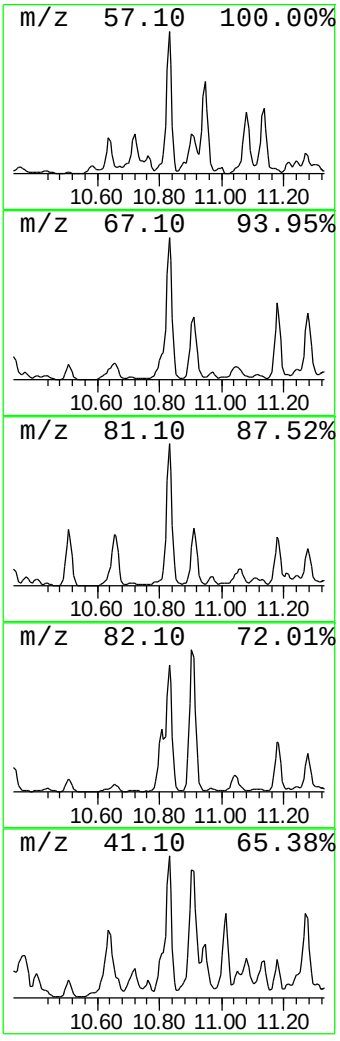
****

Peak Number 2 Pentalene, octahydro-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	83.38 ug/l	4992500	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	50
2	Propylidencyclohexane	124	C9H16	002129-93-3	49
3	Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	49
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	42
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260

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

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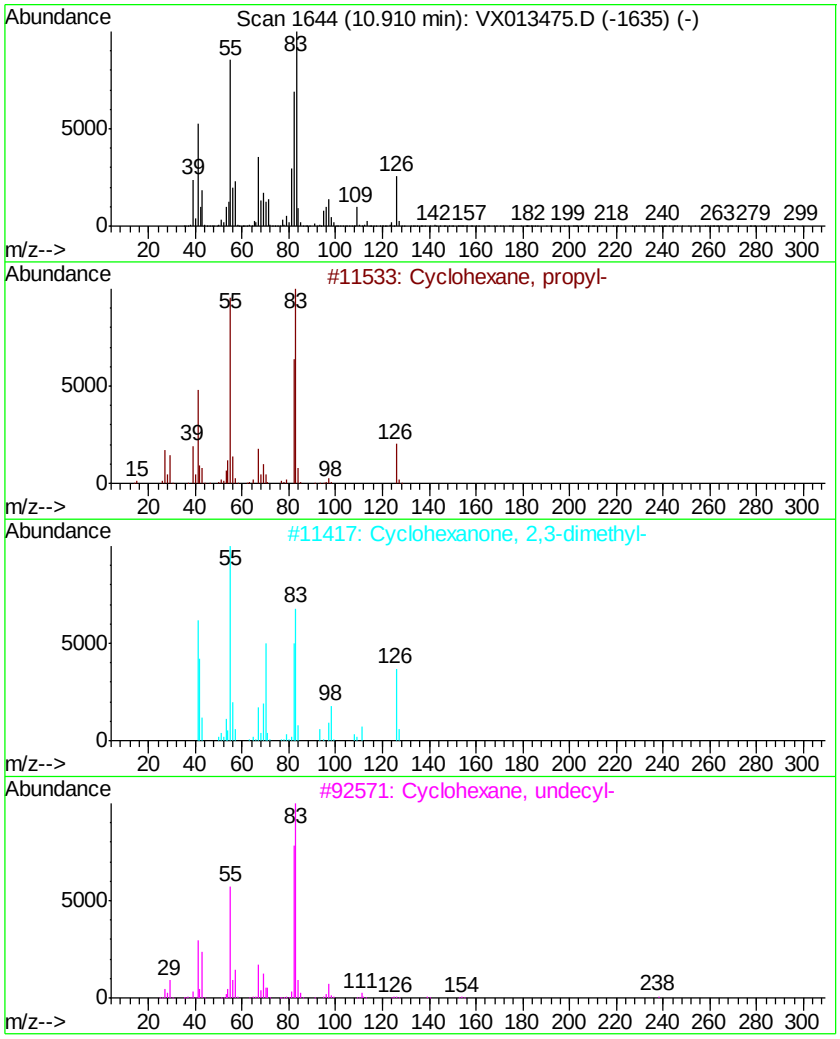
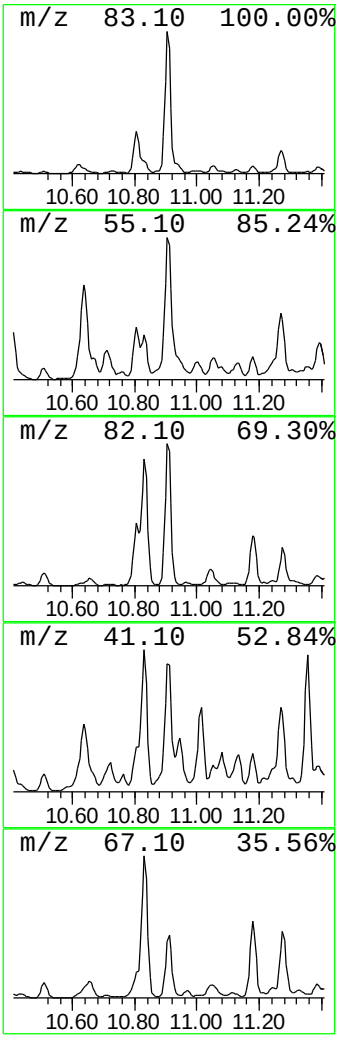
Peak Number 3 Cyclohexane, propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	72.66 ug/l	4350680	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
2	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	80
3	Cyclohexane, undecyl-	238	C17H34	054105-66-7	68
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260

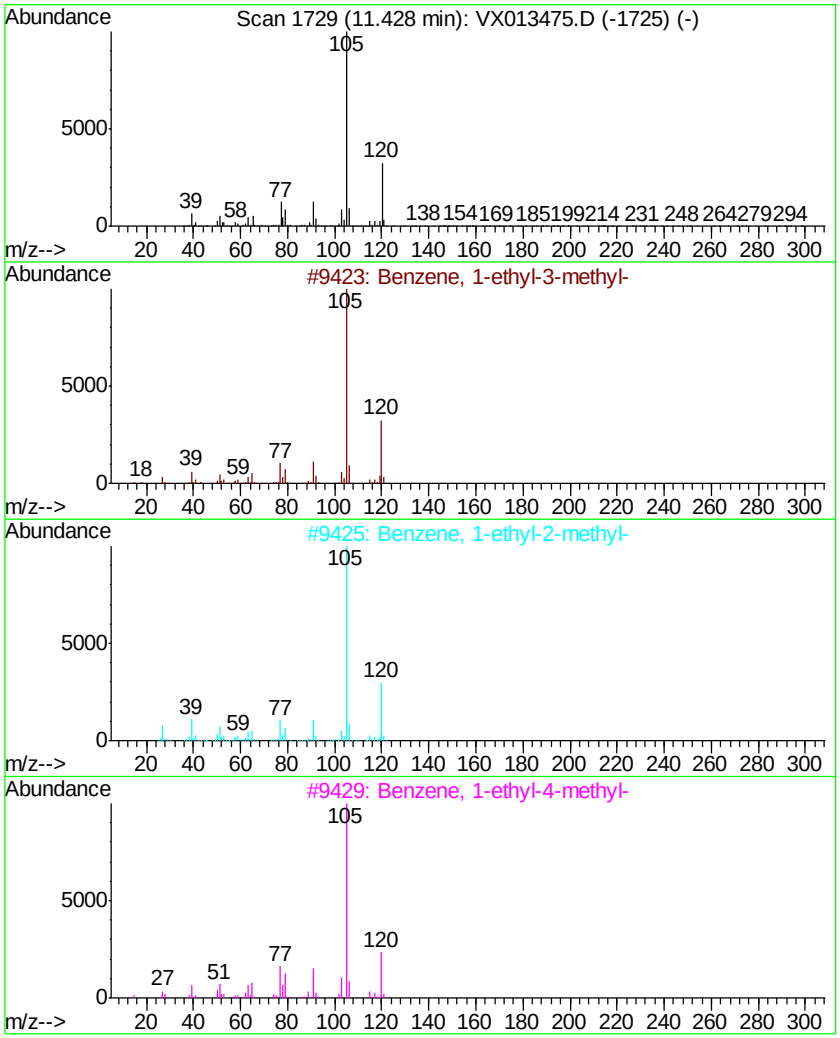
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

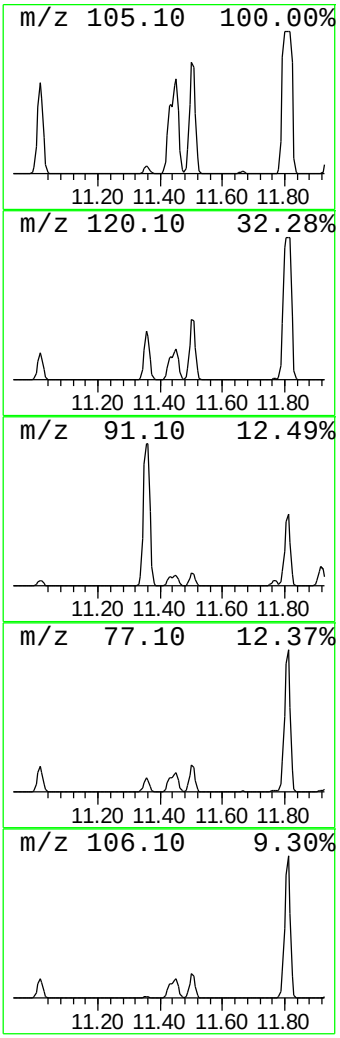
****

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	98.83 ug/l	14906300	1,4-Dichlorobenzene-d4	12.07

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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260

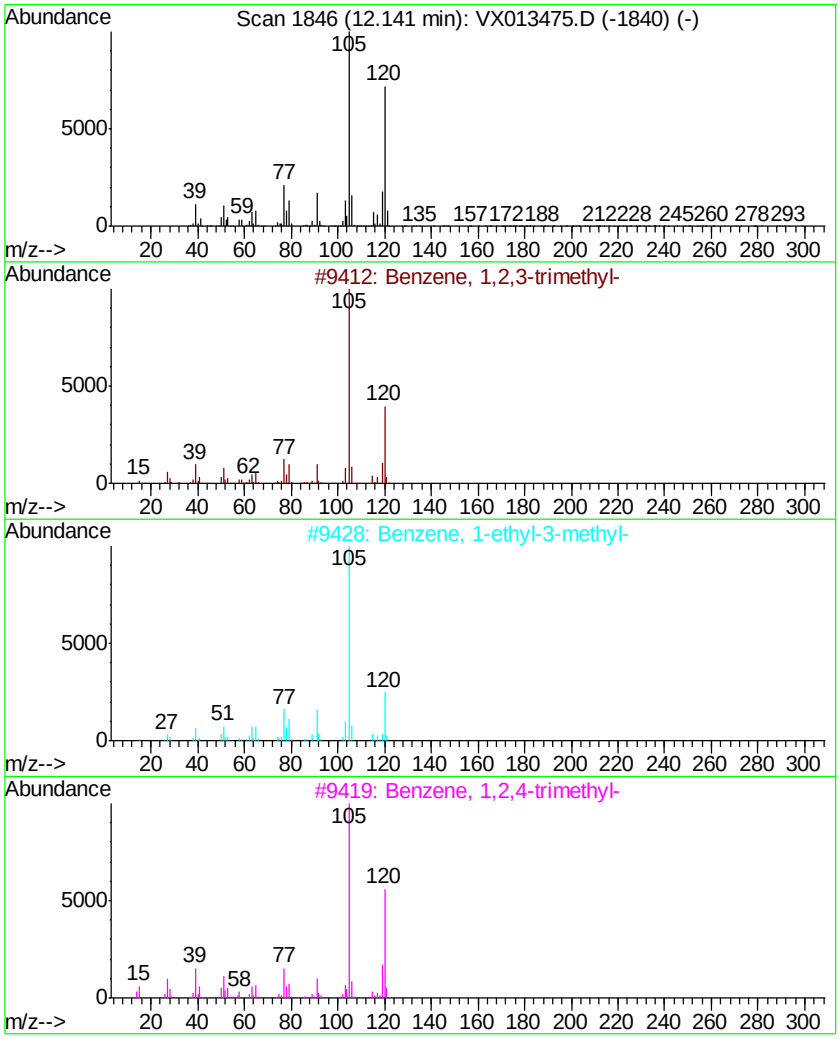
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

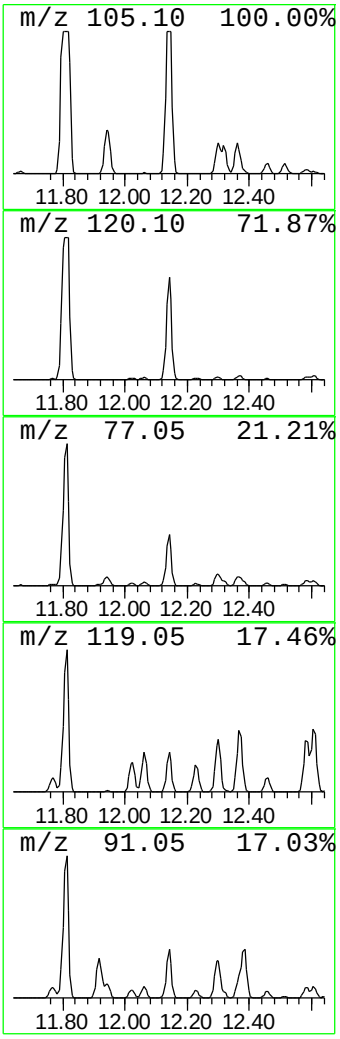
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	290.64 ug/l	43837900	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260

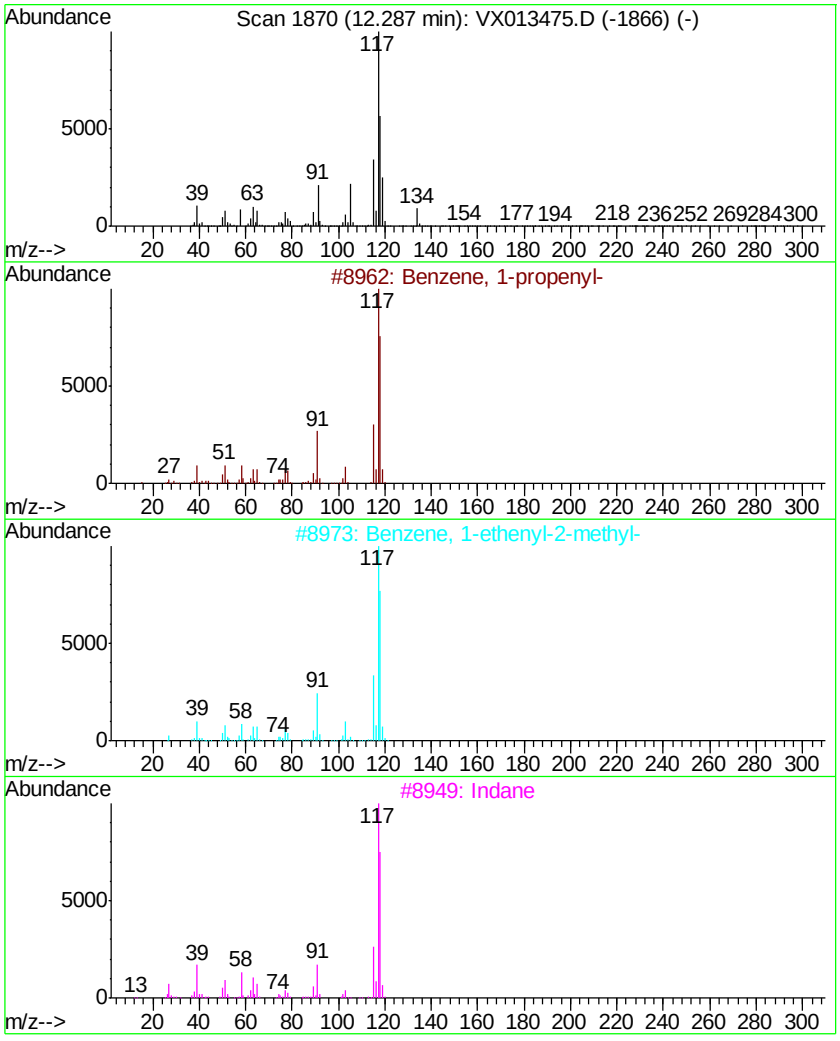
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

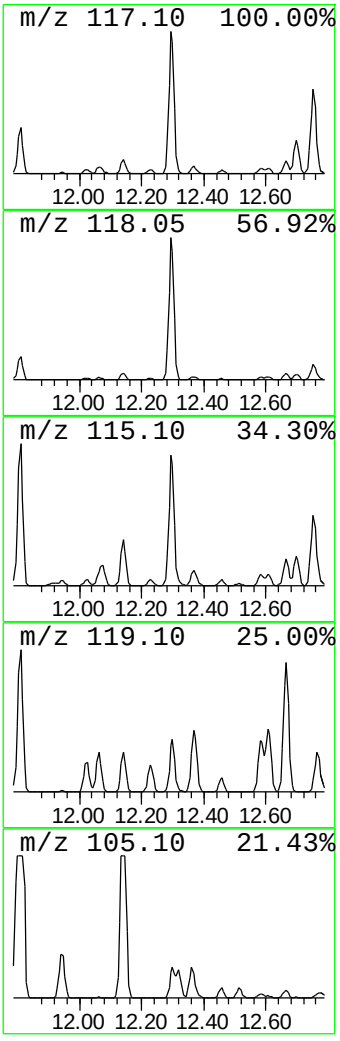
****

Peak Number 6 Benzene, 1-propenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	203.08 ug/l	30631500	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	92
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	91
3	Indane	118	C9H10	000496-11-7	70
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260

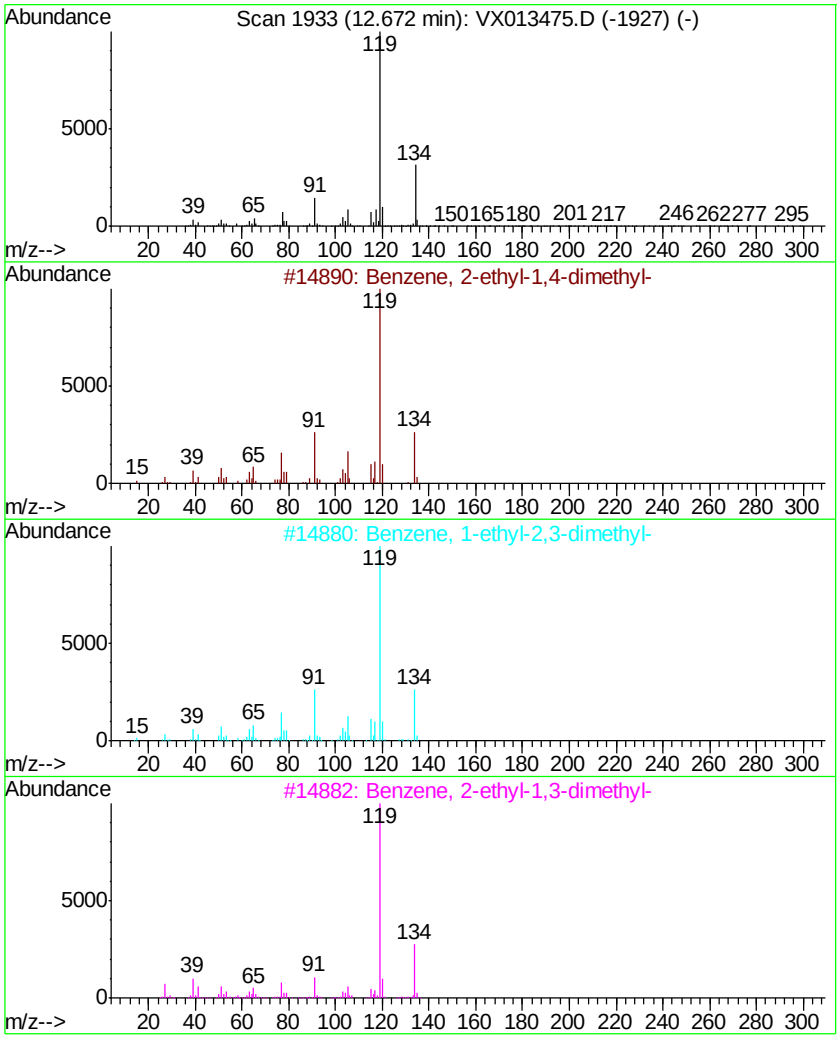
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

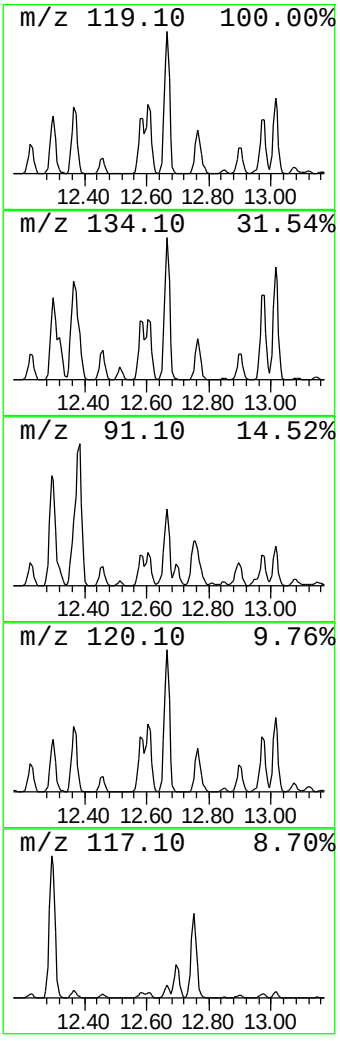
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	98.46 ug/l	14851000	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260

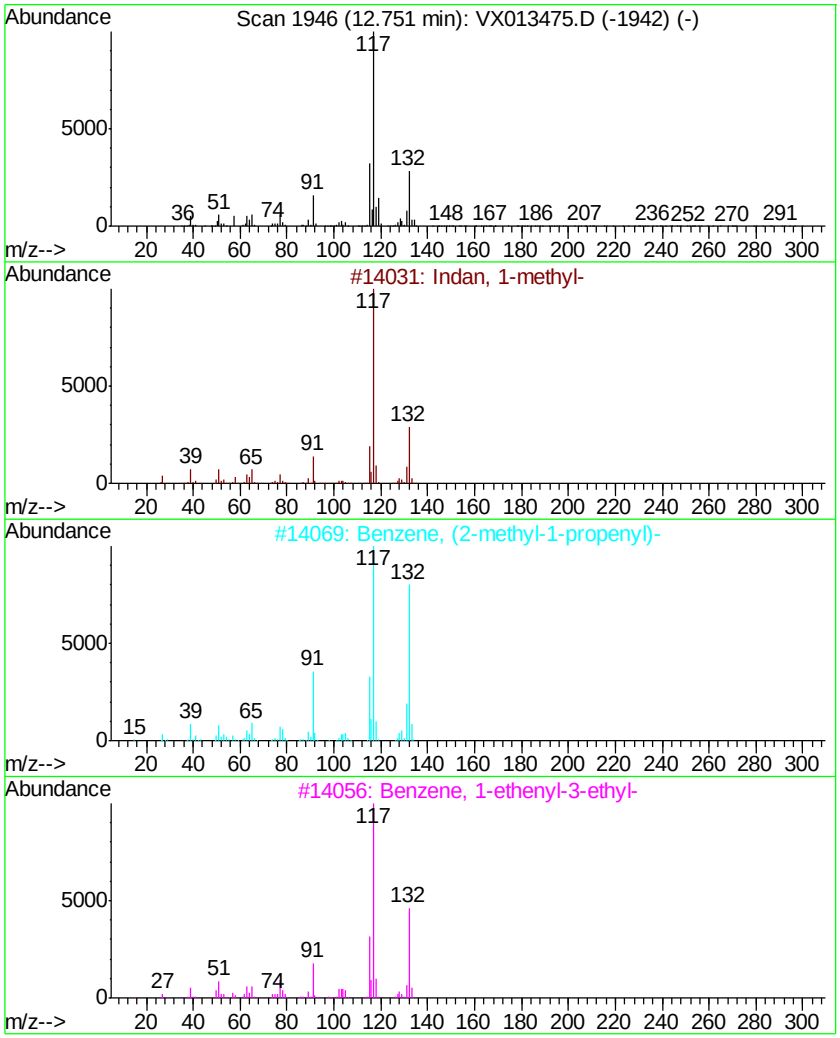
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

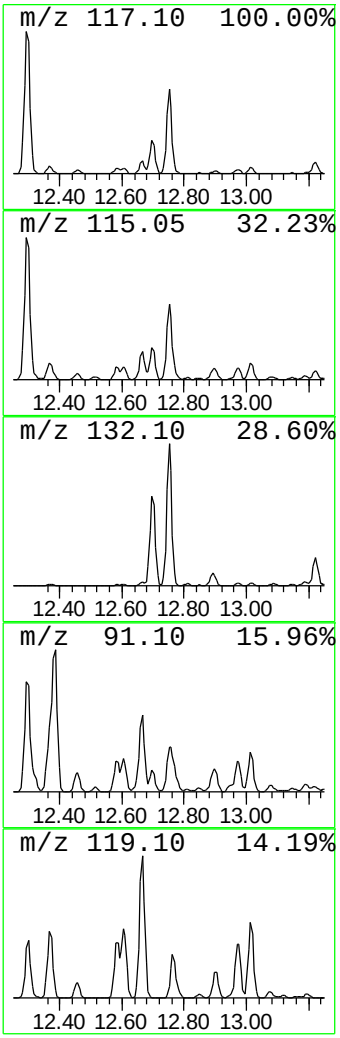
****

Peak Number 8 Indan, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	98.05 ug/l	14789500	1,4-Dichlorobenzene-d4	12.07

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	90
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260

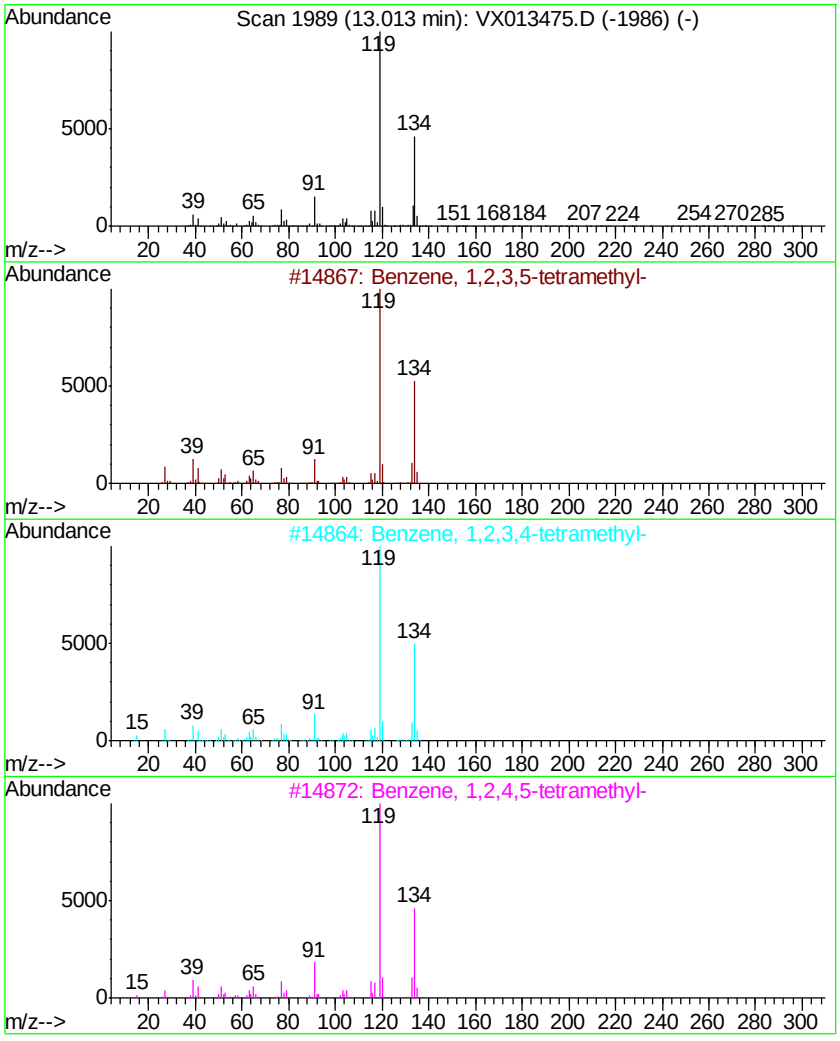
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

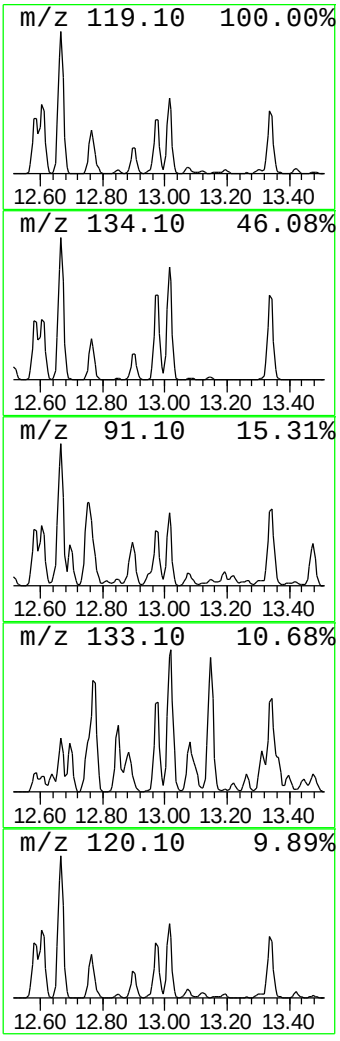
****

Peak Number 9 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	56.97 ug/l	8593060	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260

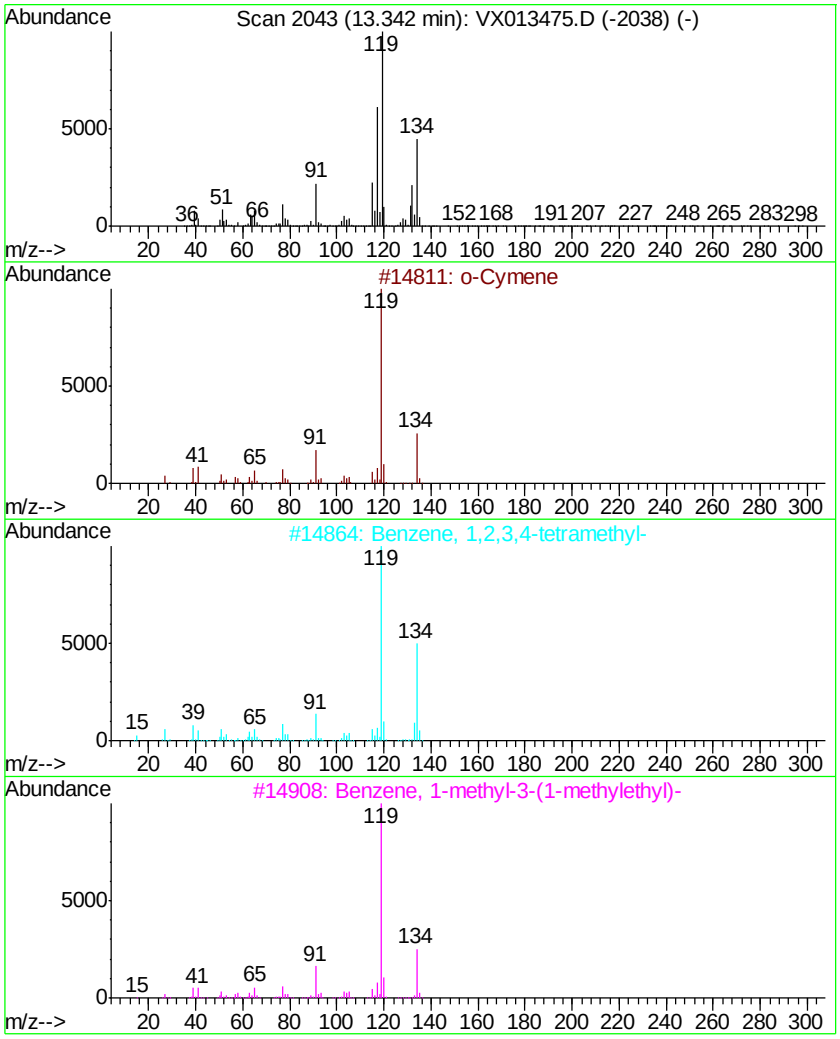
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

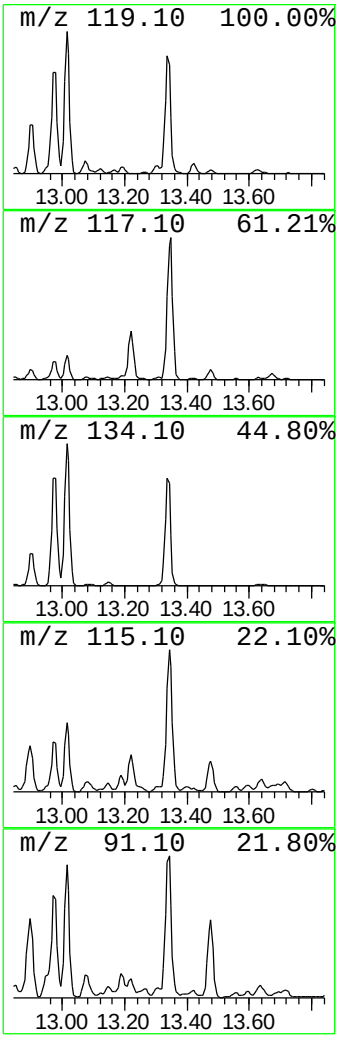
****

Peak Number 10 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	77.04 ug/l	11619800	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	60
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
5	p-Cymene	134	C10H14	000099-87-6	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013475.D
Acq On : 20 Nov 2019 14:25
Operator : JC/SP
Sample : K5958-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.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
Pentalene, octahy...	10.83	83.4	ug/l	4992500	3	10.11	2993710	50.0
Cyclohexane, propyl-	10.91	72.7	ug/l	4350680	3	10.11	2993710	50.0
Benzene, 1-ethyl-...	11.43	98.8	ug/l	14906300	4	12.07	7541580	50.0
Benzene, 1,2,3-tr...	12.14	290.6	ug/l	43837900	4	12.07	7541580	50.0
Benzene, 1-propenyl-	12.29	203.1	ug/l	30631500	4	12.07	7541580	50.0
Benzene, 2-ethyl-...	12.67	98.5	ug/l	14851000	4	12.07	7541580	50.0
Indan, 1-methyl-	12.75	98.0	ug/l	14789500	4	12.07	7541580	50.0
Benzene, 1,2,3,5-...	13.01	57.0	ug/l	8593060	4	12.07	7541580	50.0
o-Cymene	13.34	77.0	ug/l	11619800	4	12.07	7541580	50.0