LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
Data File : VX013474.D
Acq On : 20 Nov 2019 14:02
Operator : JC/SP
Sample : K5958-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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	38	rBV	3587825	4231030	6.77%	0.975%
2	5.484	743	754	764	rBV	402752	1162438	1.86%	0.268%
3	5.642	771	780	794	rVB	679153	1897225	3.03%	0.437%
4	6.045	838	846	858	rBV	452644	1175618	1.88%	0.271%
5	6.843	968	977	990	rBV	1100123	2591835	4.15%	0.597%
6	8.709	1277	1283	1291	rVB	2336666	3732599	5.97%	0.860%
7	9.032	1331	1336	1343	rVB	424821	665235	1.06%	0.153%
8	9.556	1416	1422	1427	rBV3	327846	672072	1.07%	0.155%
9	9.672	1436	1441	1445	rBV	691119	1058760	1.69%	0.244%
10	9.885	1468	1476	1484	rBV3	815918	1811743	2.90%	0.417%
11	10.105	1508	1512	1517	rBV	2385104	3088234	4.94%	0.712%
12	10.178	1517	1524	1528	rVV3	476074	847747	1.36%	0.195%
13	10.239	1528	1534	1540	rVV2	934032	1795758	2.87%	0.414%
14	10.330	1540	1549	1550	rVV2	1404435	2229424	3.57%	0.514%
15	10.367	1550	1555	1558	rVV2	2567072	5431048	8.69%	1.251%
16	10.404	1558	1561	1573	rVB	1514152	2693147	4.31%	0.621%
17	10.507	1573	1578	1583	rBV	1131458	1639049	2.62%	0.378%
18	10.635	1592	1599	1607	rBV3	3936921	7972004	12.75%	1.837%
19	10.721	1607	1613	1617	rBV2	1838187	3049519	4.88%	0.703%
20	10.763	1617	1620	1623	rVB2	748078	871376	1.39%	0.201%
21	10.830	1623	1631	1635	rBV2	8458633	12877653	20.60%	2.967%
22	10.904	1635	1643	1647	rBV3	6459719	10894444	17.43%	2.510%
23	10.946	1647	1650	1655	rVB2	3143074	4179061	6.68%	0.963%
24	11.013	1655	1661	1665	rBV	19343614	24454123	39.11%	5.634%
25	11.056	1665	1668	1669	rBV3	924437	1060328	1.70%	0.244%
26	11.080	1669	1672	1676	rVB2	1681158	2200986	3.52%	0.507%
27	11.129	1676	1680	1684	rVB3	2646114	3905271	6.25%	0.900%
28	11.178	1684	1688	1692	rBV	2013307	2591714	4.15%	0.597%
29	11.269	1696	1703	1712	rVB3	4935234	8967090	14.34%	2.066%
30	11.355	1712	1717	1721	rBV	29266656	37100861	59.34%	8.548%
31	11.391	1721	1723	1727	rVB3	1061558	1220099	1.95%	0.281%
32	11.446	1727	1732	1735	rBV2	4840141	6690698	10.70%	1.542%
33	11.483	1735	1738	1742	rVB	3386770	3863850	6.18%	0.890%
34	11.531	1742	1746	1750	rVB3	2256368	3508057	5.61%	0.808%

LSC Area Percent Report

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Operator : JC/SP
Sample : K5958-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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	11.574	1750	1753	1758	rVB5	761444	1011736	1.62%	0.233%
36	11.678	1763	1770	1775	rBV4	2391808	5115015	8.18%	1.179%
37	11.733	1775	1779	1781	rBV2	1687043	2068643	3.31%	0.477%
38	11.763	1781	1784	1787	rBV	8107480	9097353	14.55%	2.096%
39	11.806	1787	1791	1800	rVB	47662777	62521131	100.00%	14.405%
40	11.885	1800	1804	1805	rBV	1422614	1482244	2.37%	0.342%
41	11.916	1805	1809	1811	rBV	5495223	6959269	11.13%	1.603%
42	11.940	1811	1813	1818	rVB	11744646	13663255	21.85%	3.148%
43	11.995	1818	1822	1825	rBV	2913697	3427672	5.48%	0.790%
44	12.025	1825	1827	1830	rVB2	663077	662526	1.06%	0.153%
45	12.074	1830	1835	1840	rVB4	2735392	4825205	7.72%	1.112%
46	12.135	1840	1845	1851	rBV	1686292	2306021	3.69%	0.531%
47	12.226	1855	1860	1866	rVB	4554751	6657340	10.65%	1.534%
48	12.294	1866	1871	1877	rBV	25469870	32556727	52.07%	7.501%
49	12.367	1877	1883	1885	rBV	7156649	11282766	18.05%	2.600%
50	12.458	1893	1898	1905	rBV2	4626094	6353745	10.16%	1.464%
51	12.519	1905	1908	1913	rVB4	814791	1496039	2.39%	0.345%
52	12.580	1914	1918	1920	rBV	2628775	3405400	5.45%	0.785%
53	12.604	1920	1922	1926	rVV	3095989	3834804	6.13%	0.884%
54	12.665	1927	1932	1935	rVV	16851188	20850191	33.35%	4.804%
55	12.696	1935	1937	1941	rVV	3977104	4569631	7.31%	1.053%
56	12.757	1941	1947	1953	rVB2	10995222	18555381	29.68%	4.275%
57	12.891	1962	1969	1973	rVB2	2311015	4266314	6.82%	0.983%
58	12.970	1973	1982	1986	rBV	7385900	10861814	17.37%	2.503%
59	13.013	1986	1989	1996	rVB2	2531872	3456178	5.53%	0.796%
60	13.074	1996	1999	2006	rVB2	1070464	1648245	2.64%	0.380%
61	13.147	2006	2011	2015	rBV2	896605	1307577	2.09%	0.301%
62	13.190	2015	2018	2021	rBV2	869651	961510	1.54%	0.222%
63	13.220	2021	2023	2026	rVB	751547	678247	1.08%	0.156%
64	13.342	2038	2043	2049	rVB2	7101895	10278237	16.44%	2.368%
65	13.476	2061	2065	2074	rVB	1253908	1777625	2.84%	0.410%
66	13.635	2087	2091	2095	rVB4	568981	780965	1.25%	0.180%
67	13.714	2102	2104	2113	rVB3	421293	778327	1.24%	0.179%
68	13.830	2119	2123	2130	rVB	1164363	1669752	2.67%	0.385%
69	14.836	2283	2288	2294	rBV	589330	715125	1.14%	0.165%

Sum of corrected areas: 434012106

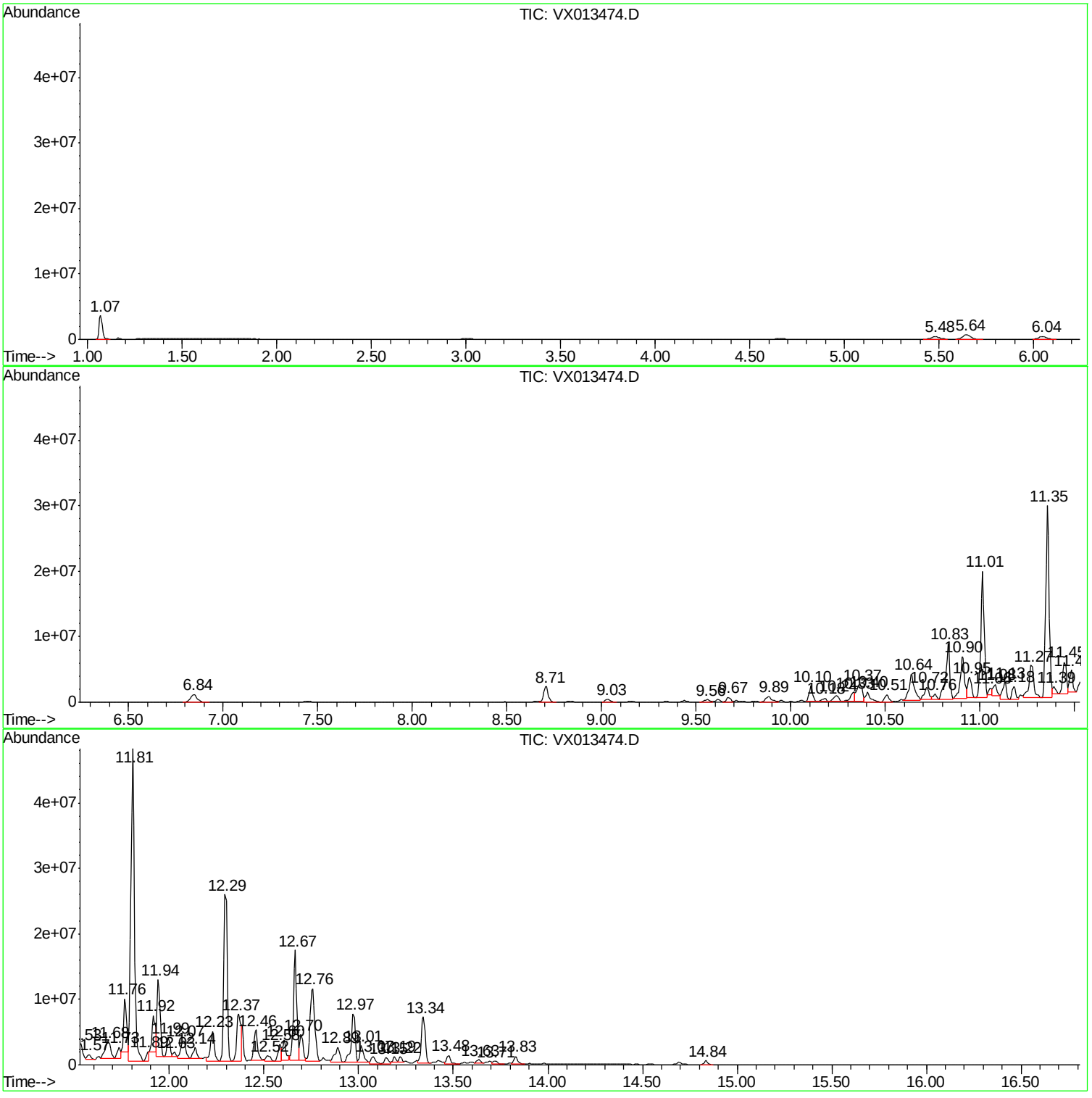
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013474.D
Acq On : 20 Nov 2019 14:02
Operator : JC/SP
Sample : K5958-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1

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 : VX013474.D
Acq On : 20 Nov 2019 14:02
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Sample : K5958-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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

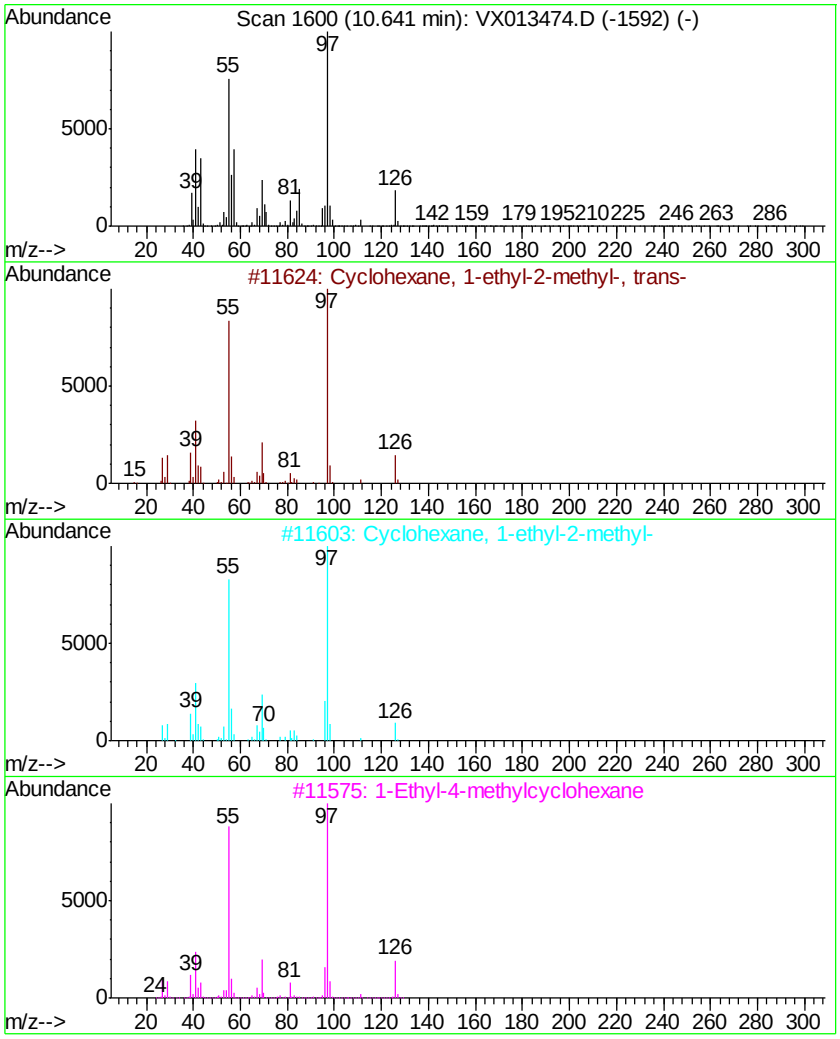
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

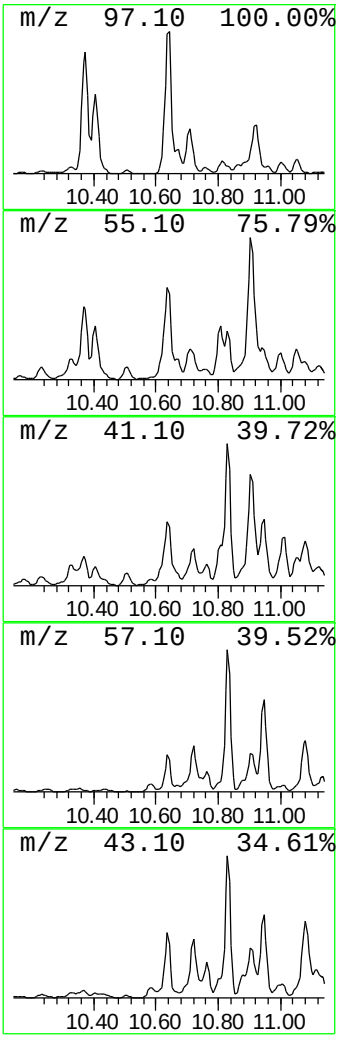
****

Peak Number 2 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	129.07 ug/l	7972000	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	70
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	70
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	70
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	62
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013474.D
Acq On : 20 Nov 2019 14:02
Operator : JC/SP
Sample : K5958-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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

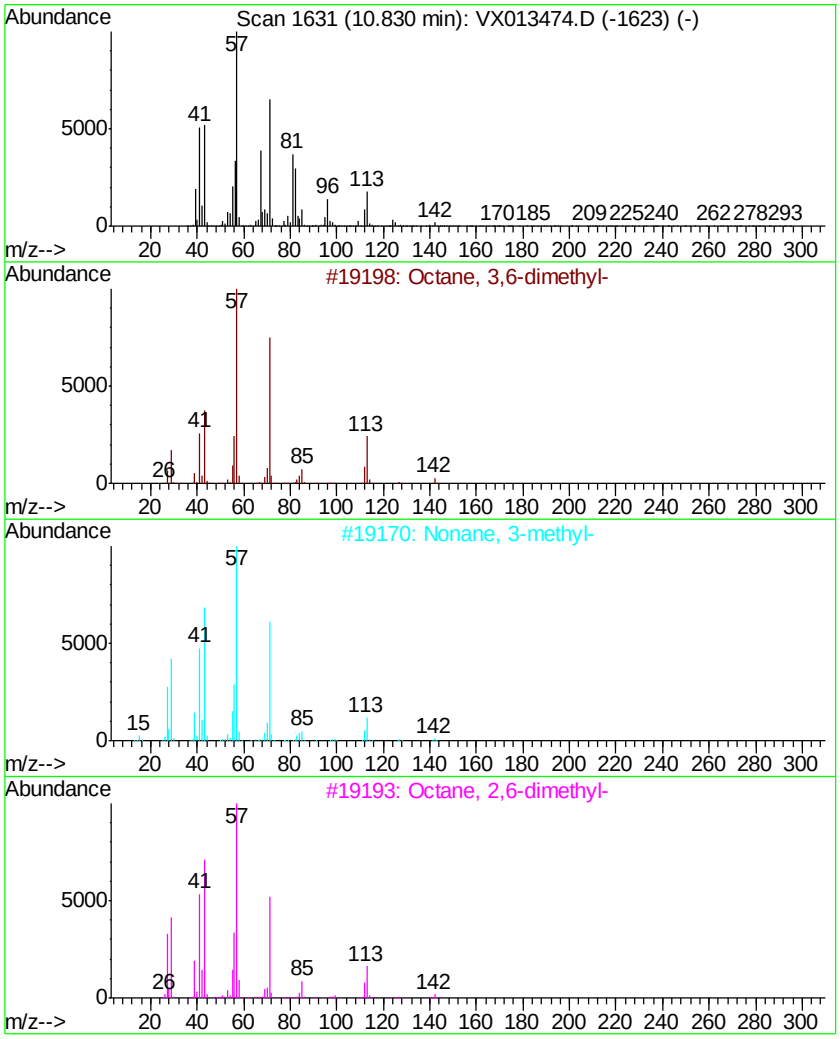
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

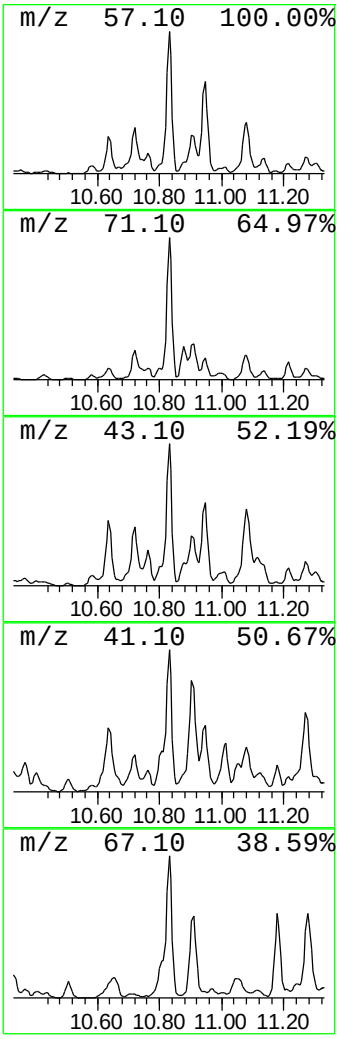
****

Peak Number 3 Octane, 3,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	208.50 ug/l	12877700	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	55
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	55
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	55
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	38
5	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013474.D
Acq On : 20 Nov 2019 14:02
Operator : JC/SP
Sample : K5958-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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

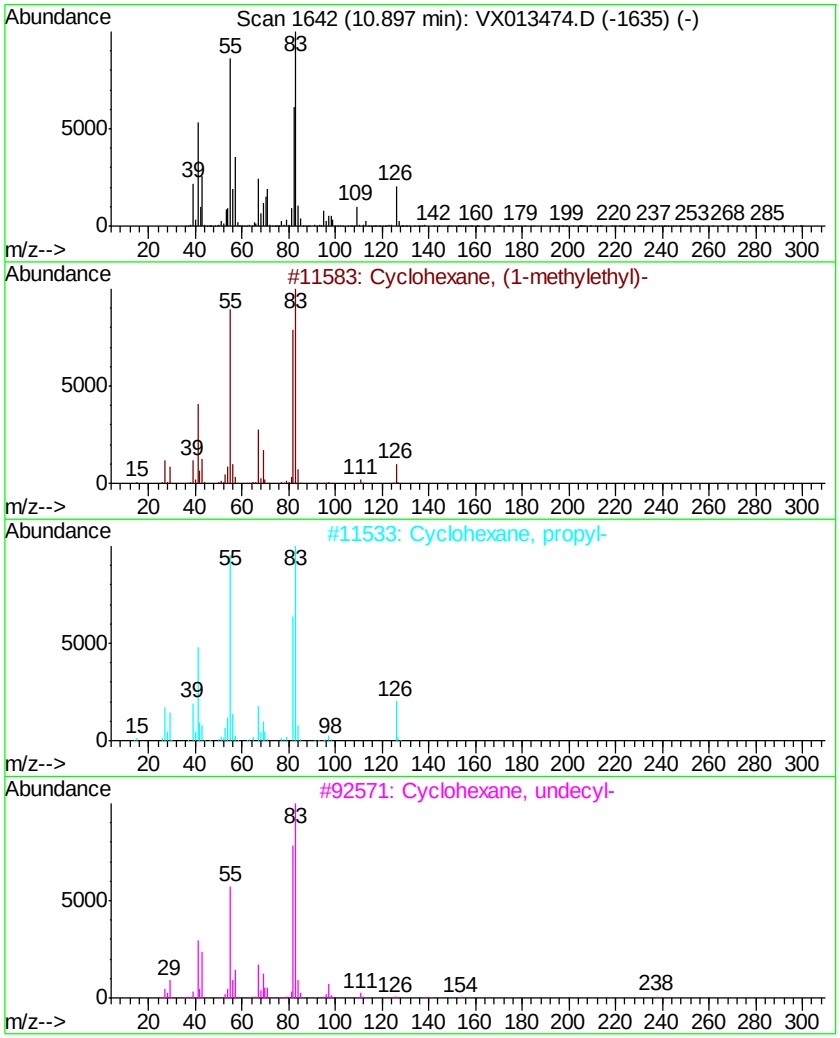
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

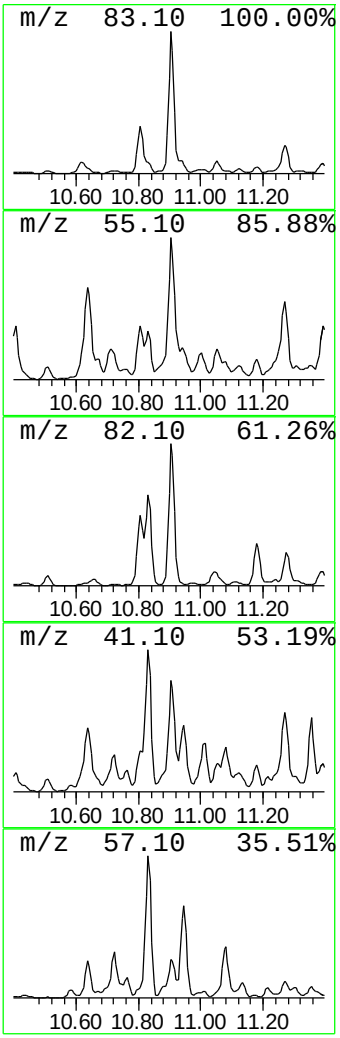
****

Peak Number 4 Cyclohexane, (1-methylethyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	176.39 ug/l	10894400	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	76
3	Cyclohexane, undecyl-	238	C17H34	054105-66-7	62
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	53
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013474.D
Acq On : 20 Nov 2019 14:02
Operator : JC/SP
Sample : K5958-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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

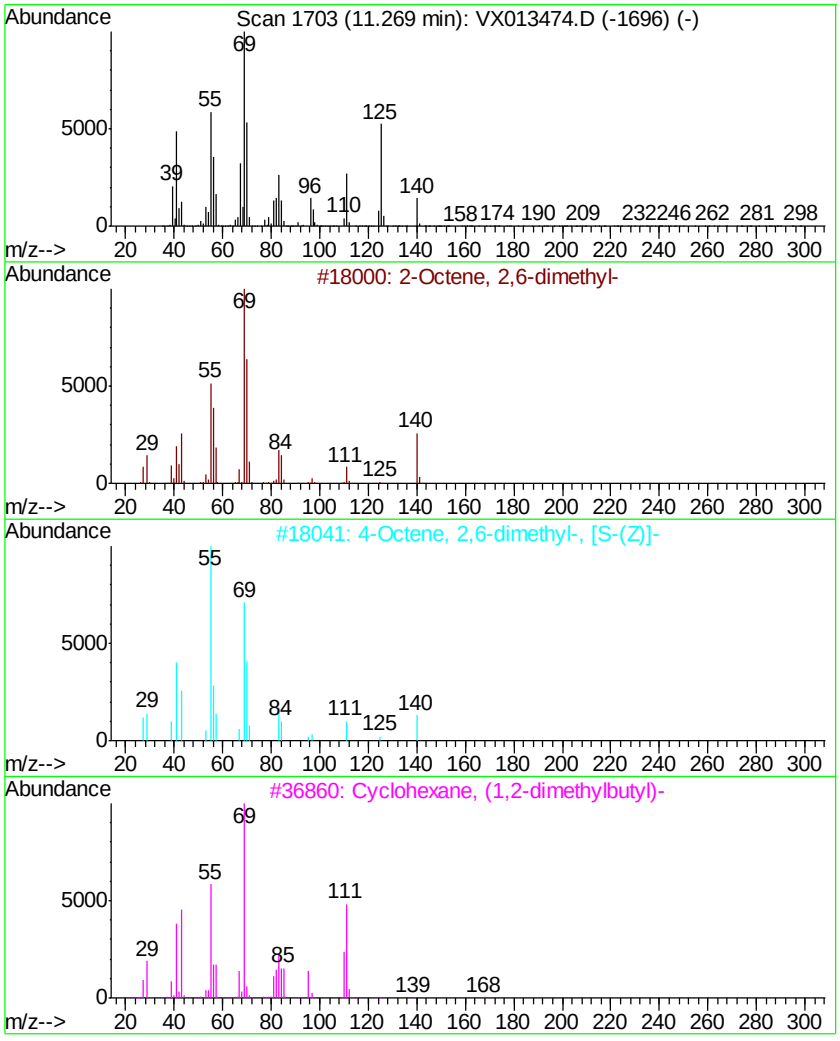
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

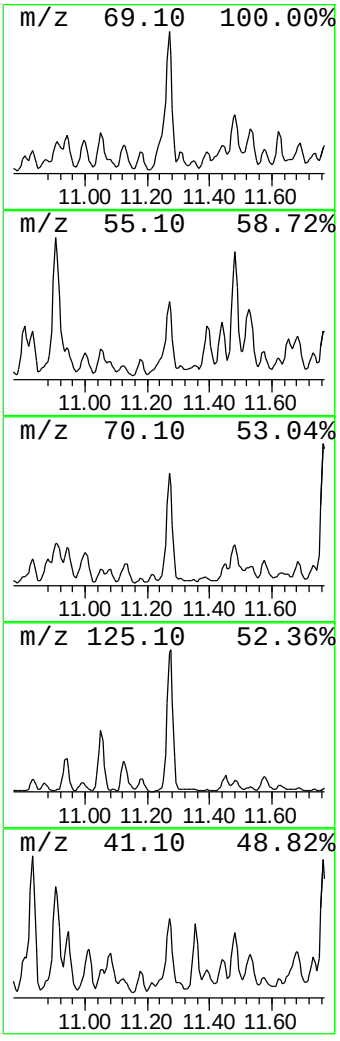
****

Peak Number 5 2-Octene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	92.92 ug/l	8967090	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	58
3	Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	49
4	Nonane, 3-methylene-	140	C10H20	051655-64-2	49
5	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	47





Library Search Compound Report

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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

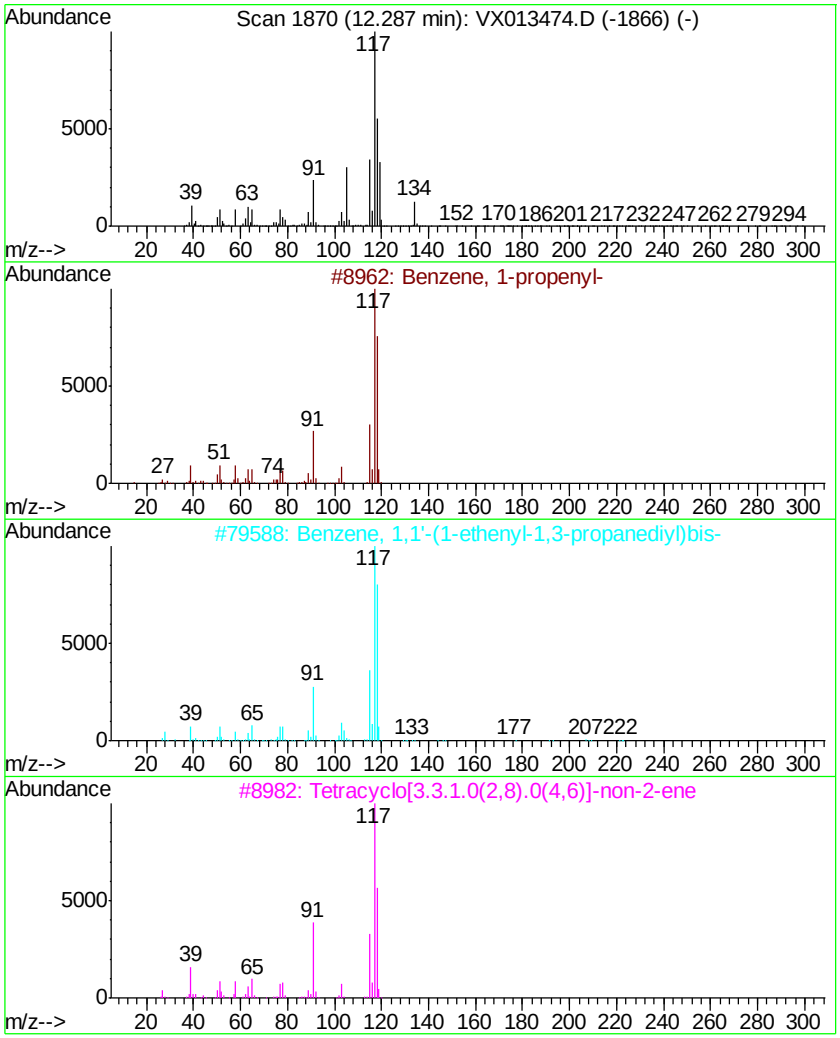
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

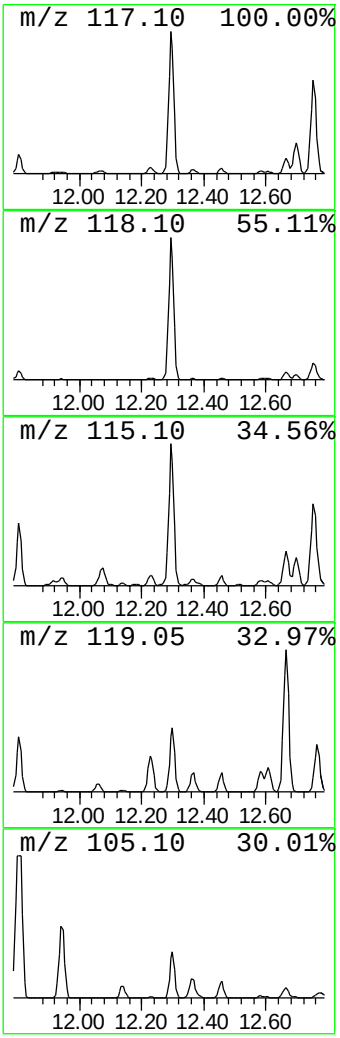
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	337.36 ug/l	32556700	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90
2	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	58
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	55
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55





Library Search Compound Report

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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

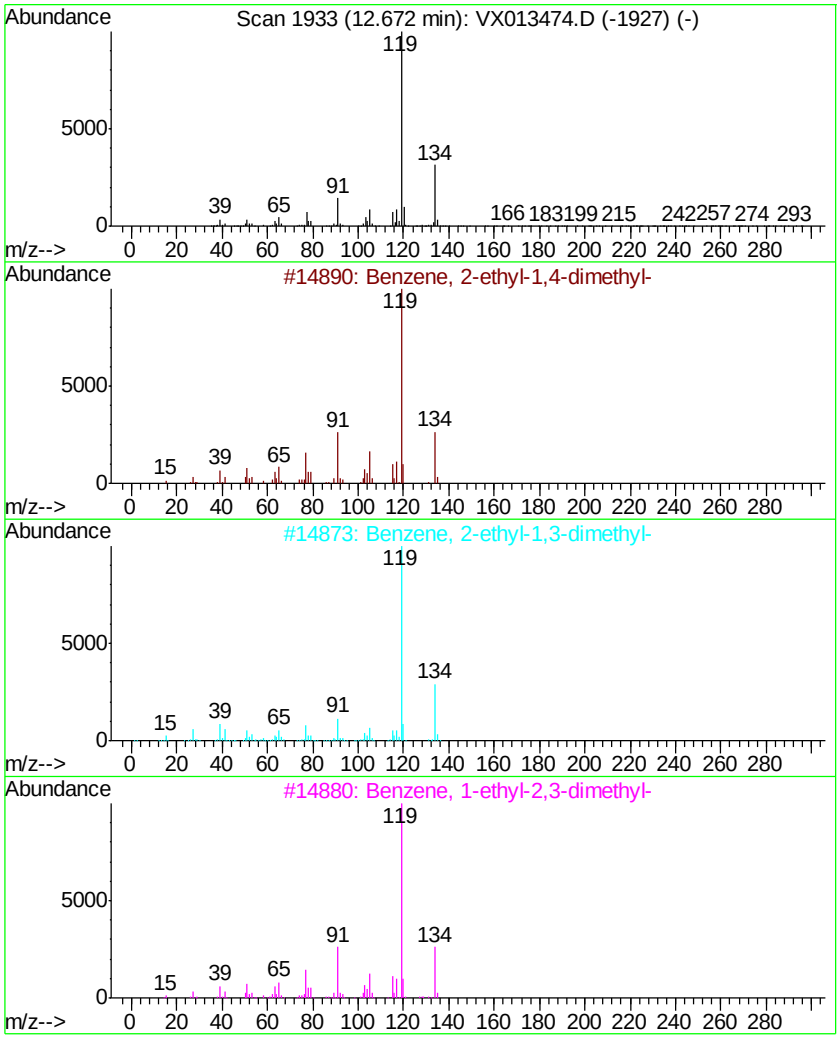
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

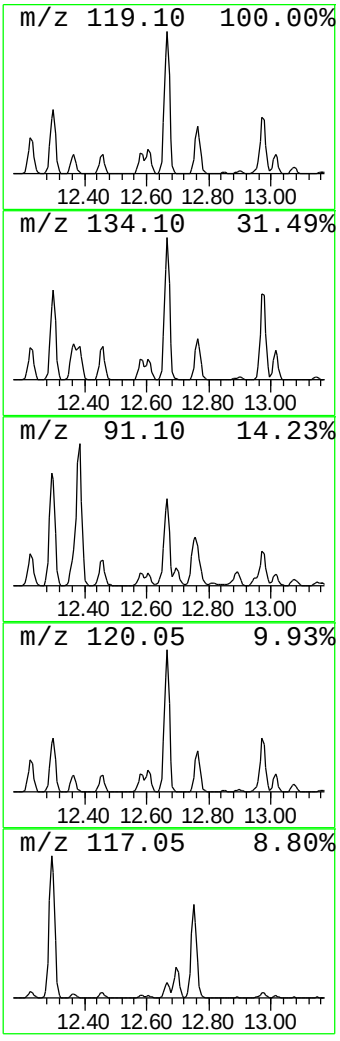
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	216.06 ug/l	20850200	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, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013474.D
Acq On : 20 Nov 2019 14:02
Operator : JC/SP
Sample : K5958-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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

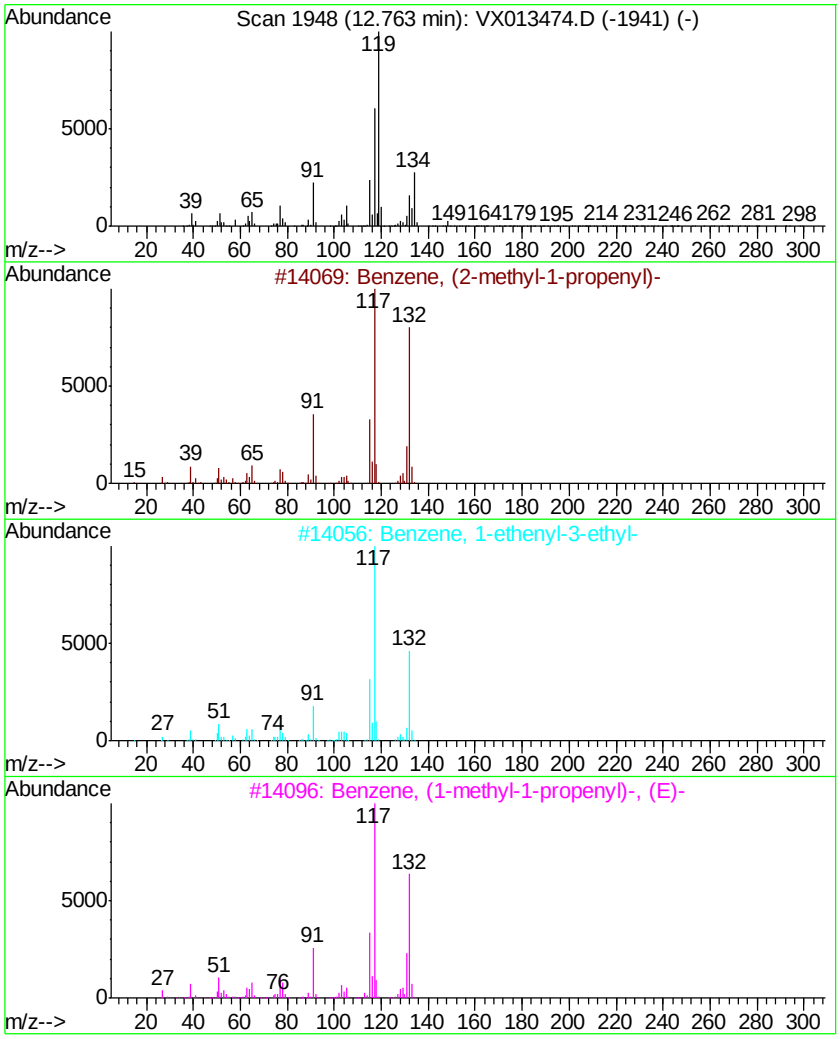
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

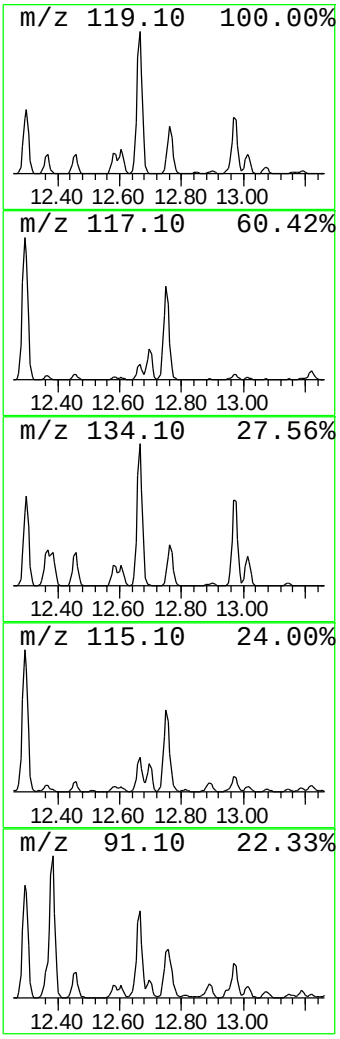
****

Peak Number 8 Benzene, (2-methyl-1-propen... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	192.28 ug/l	18555400	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013474.D
Acq On : 20 Nov 2019 14:02
Operator : JC/SP
Sample : K5958-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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

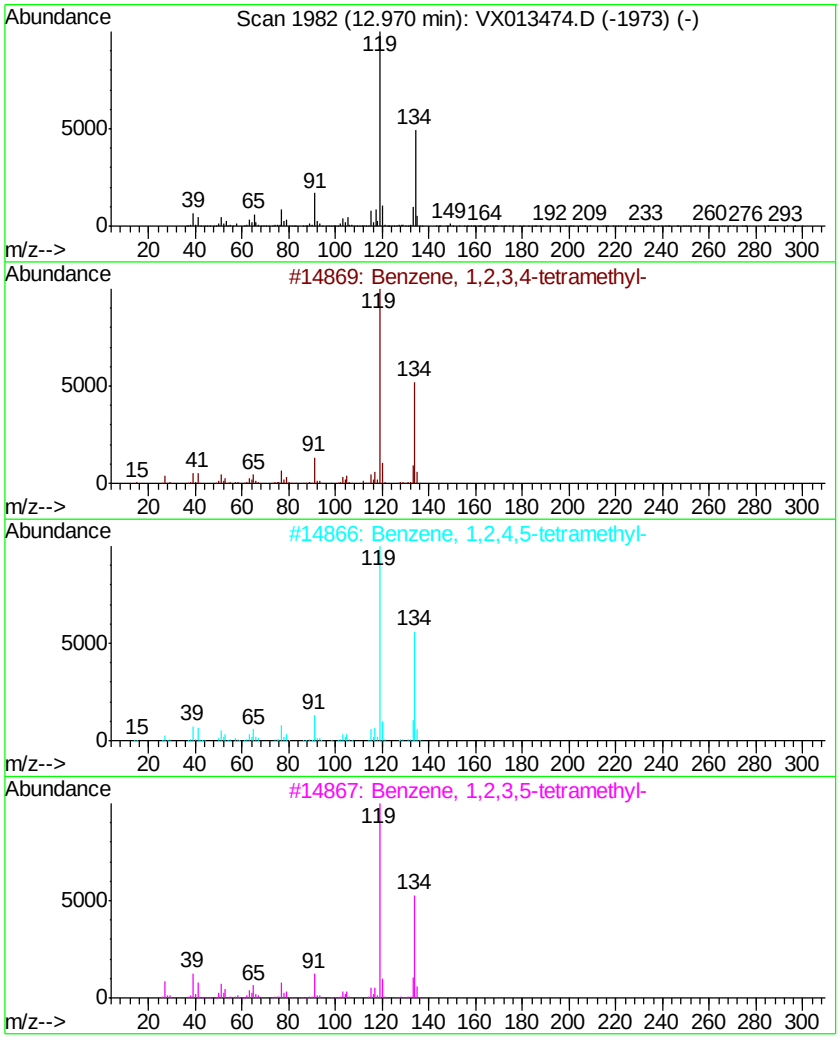
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

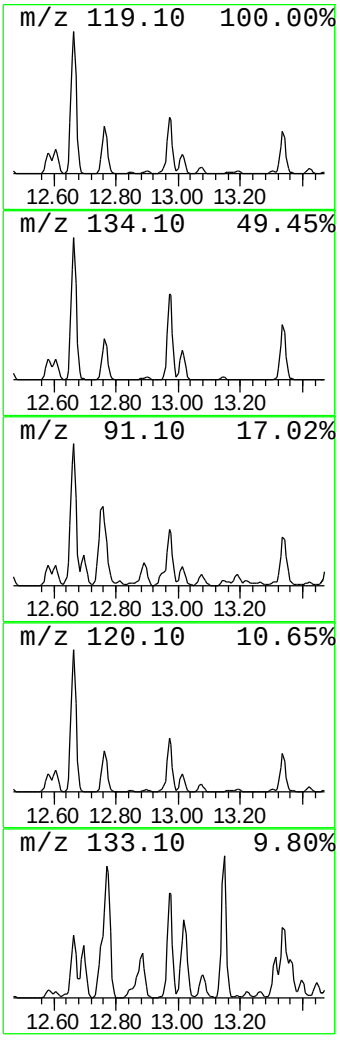
****

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	112.55 ug/l	10861800	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013474.D
Acq On : 20 Nov 2019 14:02
Operator : JC/SP
Sample : K5958-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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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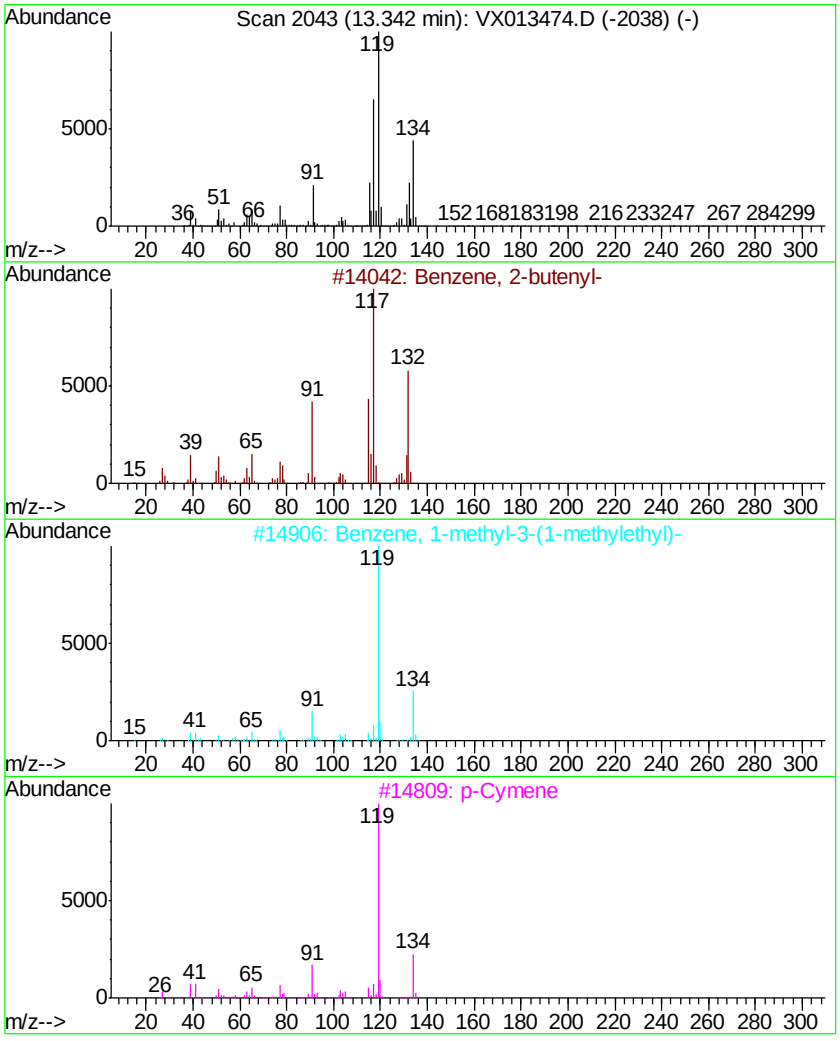
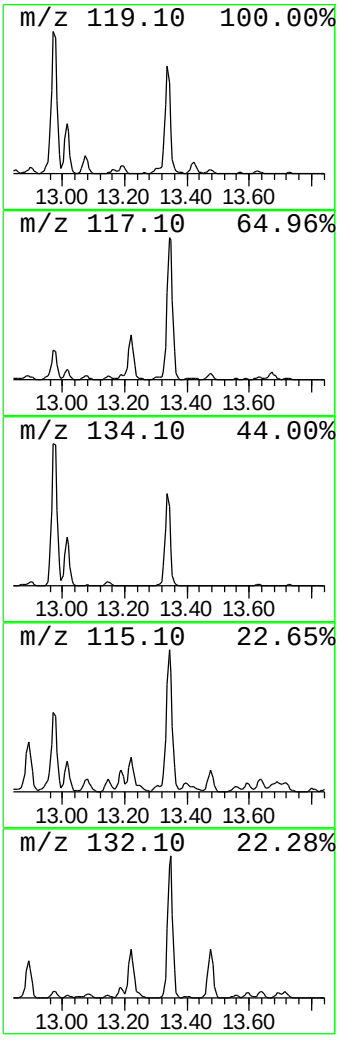
Peak Number 10 Benzene, 2-butenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	106.51 ug/l	10278200	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	81
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
3	p-Cymene	134	C10H14	000099-87-6	60
4	o-Cymene	134	C10H14	000527-84-4	60
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013474.D
Acq On : 20 Nov 2019 14:02
Operator : JC/SP
Sample : K5958-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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
Cyclohexane, 1-et...	10.64	129.1	ug/l	7972000	3	10.10	3088230	50.0
Octane, 3,6-dimet...	10.83	208.5	ug/l	12877700	3	10.10	3088230	50.0
Cyclohexane, (1-m...	10.90	176.4	ug/l	10894400	3	10.10	3088230	50.0
2-Octene, 2,6-dim...	11.27	92.9	ug/l	8967090	4	12.07	4825210	50.0
Benzene, 1-propenyl-	12.29	337.4	ug/l	32556700	4	12.07	4825210	50.0
Benzene, 2-ethyl-...	12.67	216.1	ug/l	20850200	4	12.07	4825210	50.0
Benzene, (2-methy...	12.76	192.3	ug/l	18555400	4	12.07	4825210	50.0
Benzene, 1,2,3,4-...	12.97	112.6	ug/l	10861800	4	12.07	4825210	50.0
Benzene, 2-butenyl-	13.34	106.5	ug/l	10278200	4	12.07	4825210	50.0