LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\624X032520W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.167	205	210	217	rBV	127539	196905	5.52%	0.676%
2	2.429	246	253	262	rVB2	202763	369104	10.36%	1.268%
3	2.576	270	277	280	rBV2	19561	37772	1.06%	0.130%
4	3.002	340	347	359	rBV	907269	1936007	54.32%	6.649%
5	3.173	369	375	381	rVB3	22109	48975	1.37%	0.168%
6	4.648	604	617	632	rBV	1115194	3564321	100.00%	12.241%
7	4.758	632	635	644	rVB6	19489	48715	1.37%	0.167%
8	4.984	660	672	681	rBV2	264119	771412	21.64%	2.649%
9	5.093	681	690	706	rVB	1188593	3553472	99.70%	12.204%
10	6.032	836	844	853	rBV	280030	737793	20.70%	2.534%
11	6.118	853	858	866	rVB2	59539	148131	4.16%	0.509%
12	6.313	881	890	897	rVB4	48501	120842	3.39%	0.415%
13	6.429	901	909	918	rBV4	34531	102719	2.88%	0.353%
14	6.837	965	976	988	rBV	609042	1464223	41.08%	5.029%
15	7.715	1114	1120	1129	rBV	117999	225481	6.33%	0.774%
16	7.959	1153	1160	1168	rBV4	42899	86608	2.43%	0.297%
17	8.550	1249	1257	1261	rBV5	22164	43148	1.21%	0.148%
18	8.599	1261	1265	1269	rBV2	51826	80018	2.24%	0.275%
19	8.697	1275	1281	1288	rBV	1228578	1957869	54.93%	6.724%
20	8.764	1288	1292	1300	rVB2	93902	168426	4.73%	0.578%
21	8.849	1302	1306	1312	rBV	59408	89453	2.51%	0.307%
22	8.940	1317	1321	1326	rVB2	27353	42807	1.20%	0.147%
23	9.288	1372	1378	1381	rVV2	34863	57733	1.62%	0.198%
24	9.422	1391	1400	1406	rBV	96115	160816	4.51%	0.552%
25	9.538	1414	1419	1424	rBV	184849	276514	7.76%	0.950%
26	9.605	1424	1430	1437	rVV9	31675	58187	1.63%	0.200%
27	9.837	1464	1468	1474	rBV5	22484	38473	1.08%	0.132%
28	9.989	1488	1493	1500	rVB	36254	52076	1.46%	0.179%
29	10.099	1500	1511	1514	rBV	1356404	2073219	58.17%	7.120%
30	10.239	1529	1534	1544	rVV	508452	736780	20.67%	2.530%
31	10.343	1546	1551	1557	rVV	268571	393056	11.03%	1.350%
32	10.416	1559	1563	1574	rVB	39171	68422	1.92%	0.235%
33	10.684	1603	1607	1614	rVB	212040	297254	8.34%	1.021%
34	11.001	1654	1659	1665	rVB	105032	145750	4.09%	0.501%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\624X032520W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

35	11.123	1674	1679	1685	rVV	1083794	1388438	38.95%	4.768%
36	11.178	1685	1688	1690	rVV4	25216	40368	1.13%	0.139%
37	11.214	1692	1694	1700	rVV6	29479	42619	1.20%	0.146%
38	11.342	1711	1715	1722	rVB2	71835	103869	2.91%	0.357%
39	11.416	1722	1727	1734	rBV3	51127	106932	3.00%	0.367%
40	11.495	1735	1740	1744	rVB3	39785	55570	1.56%	0.191%
41	11.550	1744	1749	1754	rVB7	30346	39559	1.11%	0.136%
42	11.611	1754	1759	1762	rBV5	32076	43494	1.22%	0.149%
43	11.653	1762	1766	1769	rBV	99551	116524	3.27%	0.400%
44	11.794	1780	1789	1793	rVB	157471	232781	6.53%	0.799%
45	11.836	1793	1796	1804	rBV7	21273	49952	1.40%	0.172%
46	11.928	1804	1811	1820	rVB2	168971	239470	6.72%	0.822%
47	12.007	1820	1824	1827	rBV5	30281	44638	1.25%	0.153%
48	12.050	1827	1831	1832	rVV2	97503	118964	3.34%	0.409%
49	12.080	1833	1836	1841	rVB	461119	580977	16.30%	1.995%
50	12.129	1841	1844	1849	rBV	77659	104812	2.94%	0.360%
51	12.184	1849	1853	1857	rVB7	24964	36995	1.04%	0.127%
52	12.287	1864	1870	1873	rBV	318346	409339	11.48%	1.406%
53	12.373	1879	1884	1890	rVB5	71593	115787	3.25%	0.398%
54	12.452	1892	1897	1903	rBV6	52047	115451	3.24%	0.396%
55	12.580	1913	1918	1926	rVB2	35284	83988	2.36%	0.288%
56	12.653	1926	1930	1934	rVB	51711	57769	1.62%	0.198%
57	12.714	1934	1940	1942	rBV2	55093	86349	2.42%	0.297%
58	12.806	1952	1955	1958	rVB5	29085	38734	1.09%	0.133%
59	12.921	1962	1974	1975	rVV9	71787	174374	4.89%	0.599%
60	12.946	1975	1978	1983	rVV	426540	615273	17.26%	2.113%
61	13.001	1983	1987	1991	rVV5	113568	222664	6.25%	0.765%
62	13.037	1991	1993	2001	rVB7	42539	59237	1.66%	0.203%
63	13.165	2011	2014	2017	rVV2	41575	48644	1.36%	0.167%
64	13.202	2017	2020	2026	rVV6	33256	61411	1.72%	0.211%
65	13.275	2029	2032	2036	rVV5	36139	41566	1.17%	0.143%
66	13.330	2036	2041	2045	rVB	181062	233051	6.54%	0.800%
67	13.379	2045	2049	2052	rBV4	34979	48176	1.35%	0.165%
68	13.464	2059	2063	2067	rBV2	110907	150276	4.22%	0.516%
69	13.513	2067	2071	2074	rVV	322666	426492	11.97%	1.465%
70	13.549	2074	2077	2084	rVB	358634	485418	13.62%	1.667%
71	13.629	2085	2090	2094	rVB7	70817	95957	2.69%	0.330%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041020\
Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\624X032520W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

72	13.708	2100	2103	2109	rVB	25479	39339	1.10%	0.135%
73	13.769	2109	2113	2116	rBV5	28455	41057	1.15%	0.141%
74	13.818	2116	2121	2126	rVB	812723	973929	27.32%	3.345%
75	13.909	2129	2136	2141	rBV2	35503	85274	2.39%	0.293%
76	13.976	2141	2147	2153	rBV6	95329	218858	6.14%	0.752%
77	14.141	2168	2174	2179	rBV8	43210	64837	1.82%	0.223%
78	14.281	2192	2197	2201	rVV	37802	58063	1.63%	0.199%
79	14.683	2259	2263	2264	rBV	125546	136956	3.84%	0.470%
80	14.708	2264	2267	2273	rVB	186499	259231	7.27%	0.890%
81	14.769	2273	2277	2281	rBV2	35217	49051	1.38%	0.168%
82	14.823	2281	2286	2293	rVB	86418	123423	3.46%	0.424%

Sum of corrected areas: 29118417

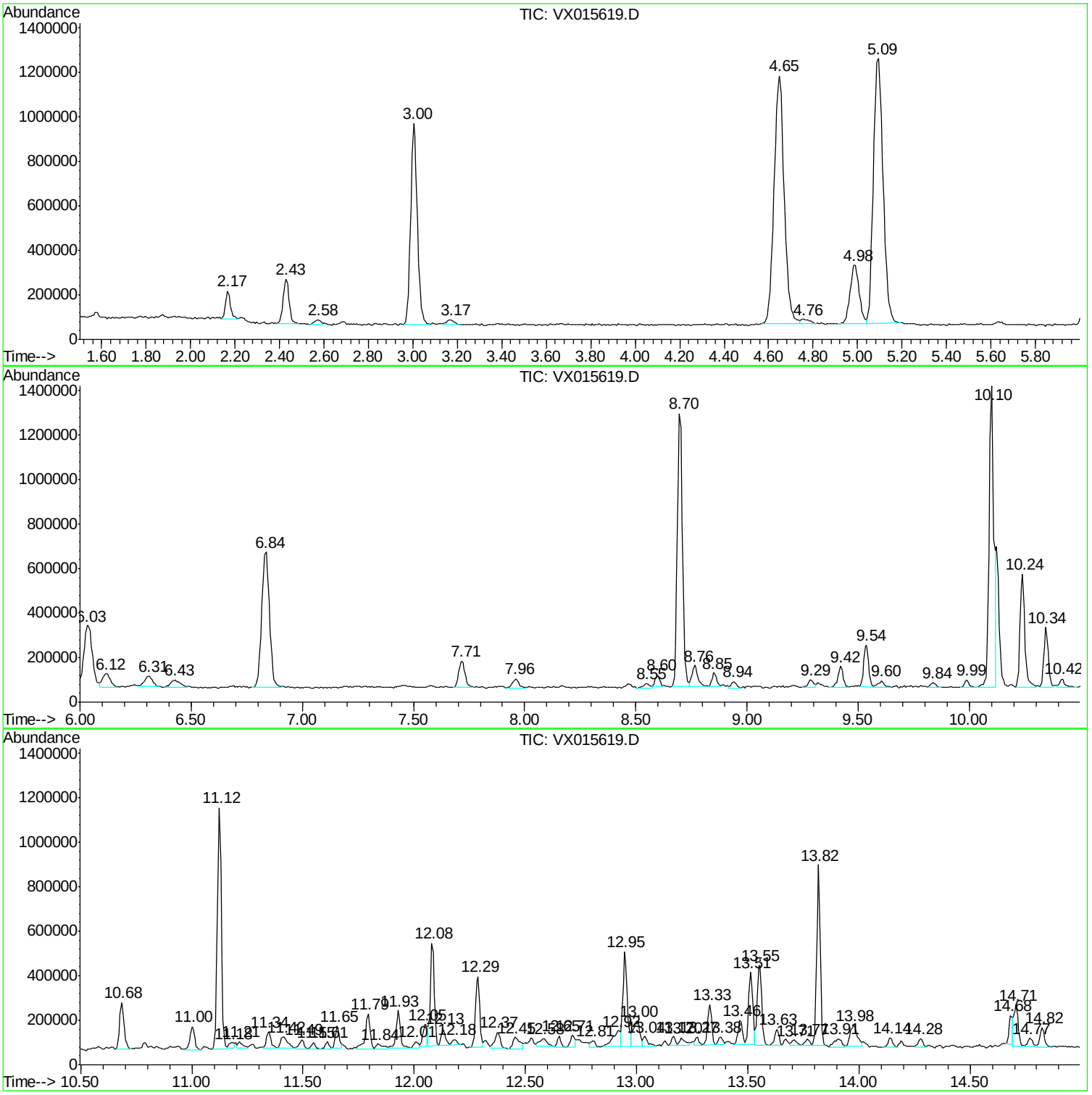
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041020\
Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041020\
Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

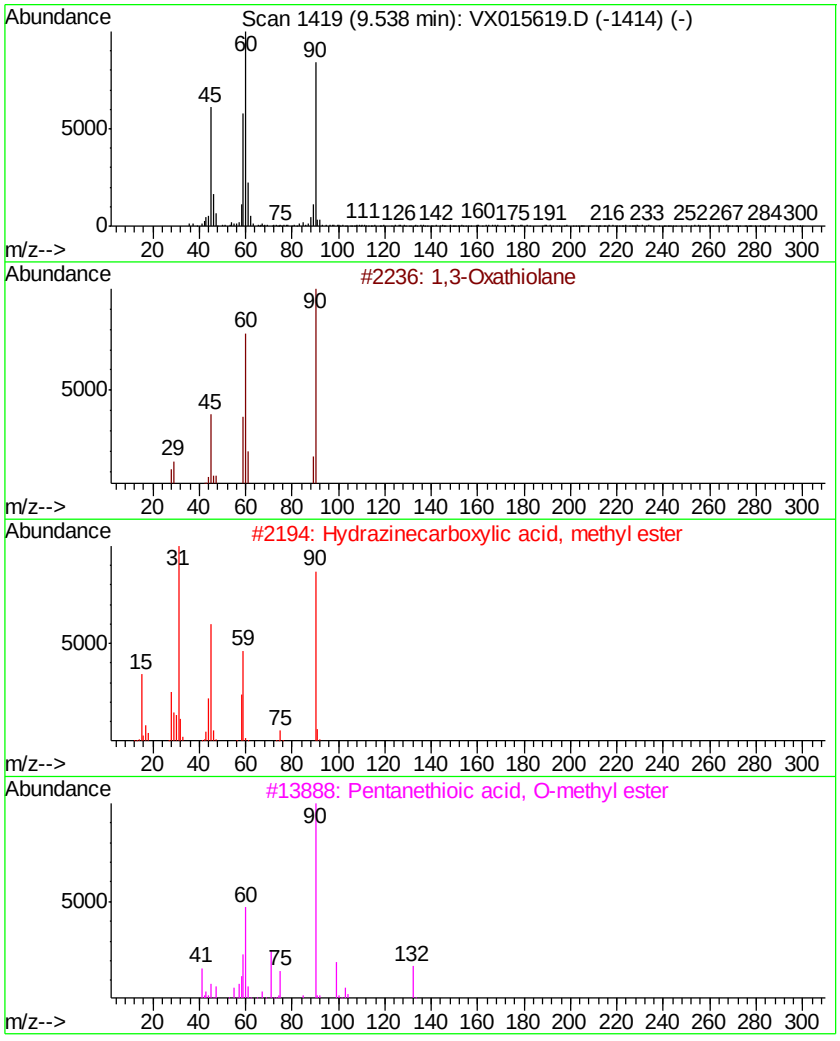
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

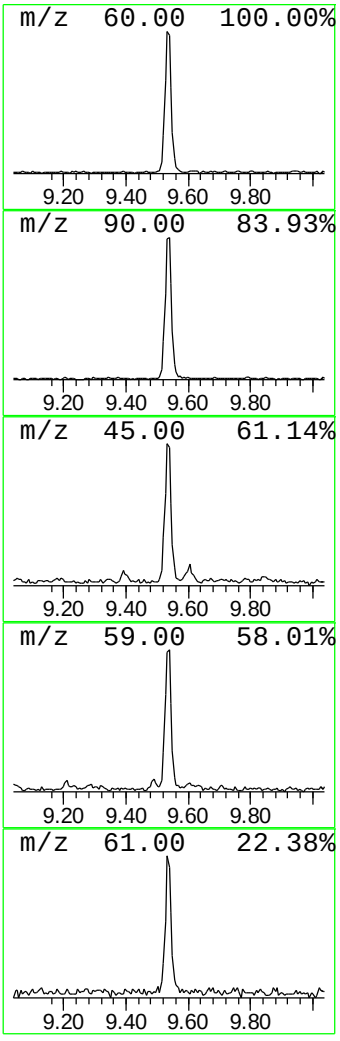
****

Peak Number 3 1,3-Oxathiolane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	4.00 ug/l	276514	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Oxathiolane	90	C3H6OS	002094-97-5	64
2	Hydrazinecarboxylic acid, methyl...	90	C2H6N2O2	006294-89-9	45
3	Pentanethioic acid, O-methyl ester	132	C6H12OS	055283-58-4	40
4	2,3-Dimercaptopropan-1-ol	124	C3H8OS2	000059-52-9	39
5	Hydrazinecarboxylic acid, methyl...	90	C2H6N2O2	006294-89-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041020\
Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

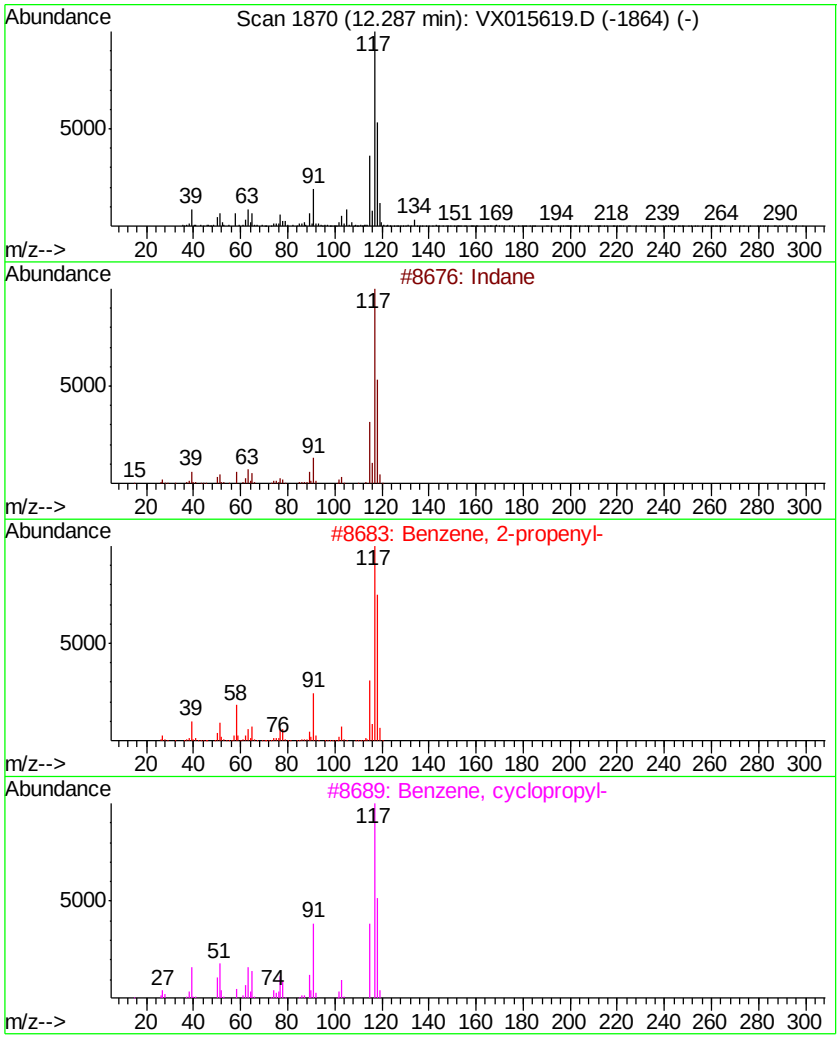
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

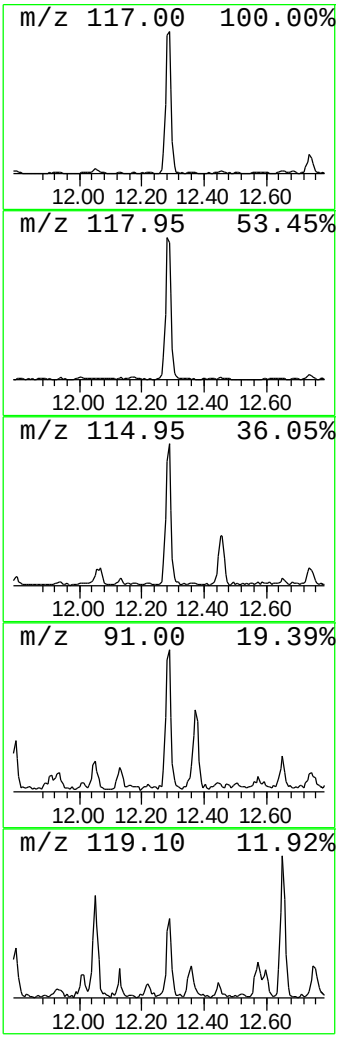
****

Peak Number 4 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	5.92 ug/l	409339	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041020\
Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

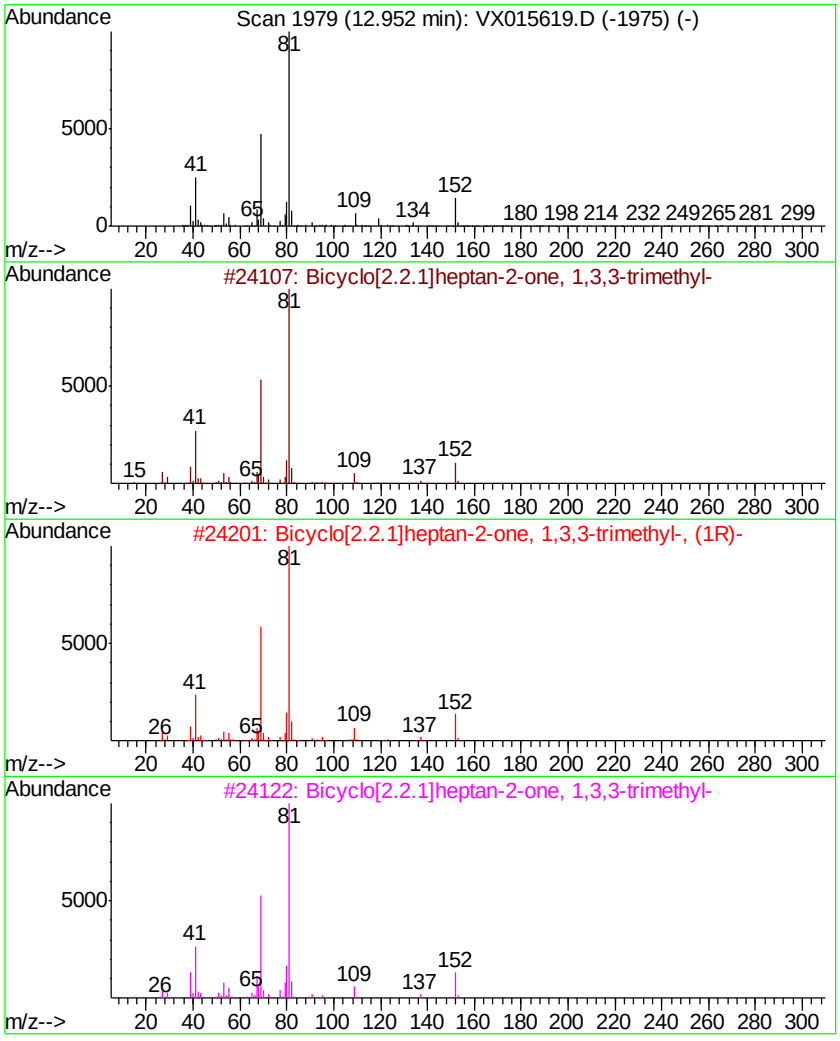
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

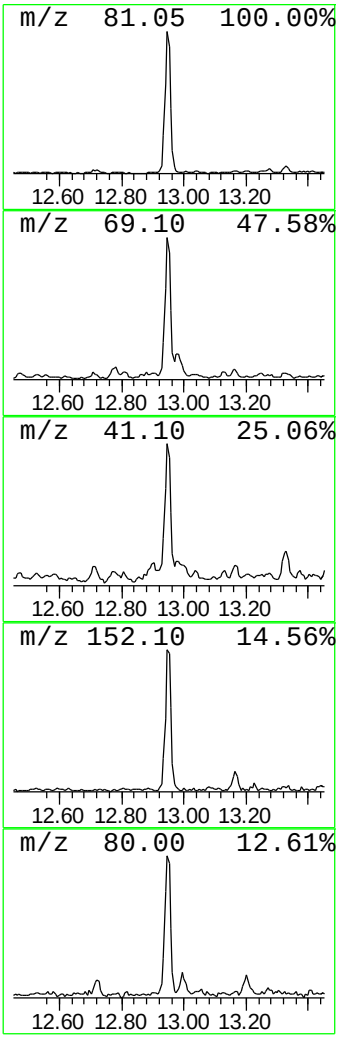
****

Peak Number 5 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	8.90 ug/l	615273	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	91
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	007787-20-4	91
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	91
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041020\
Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

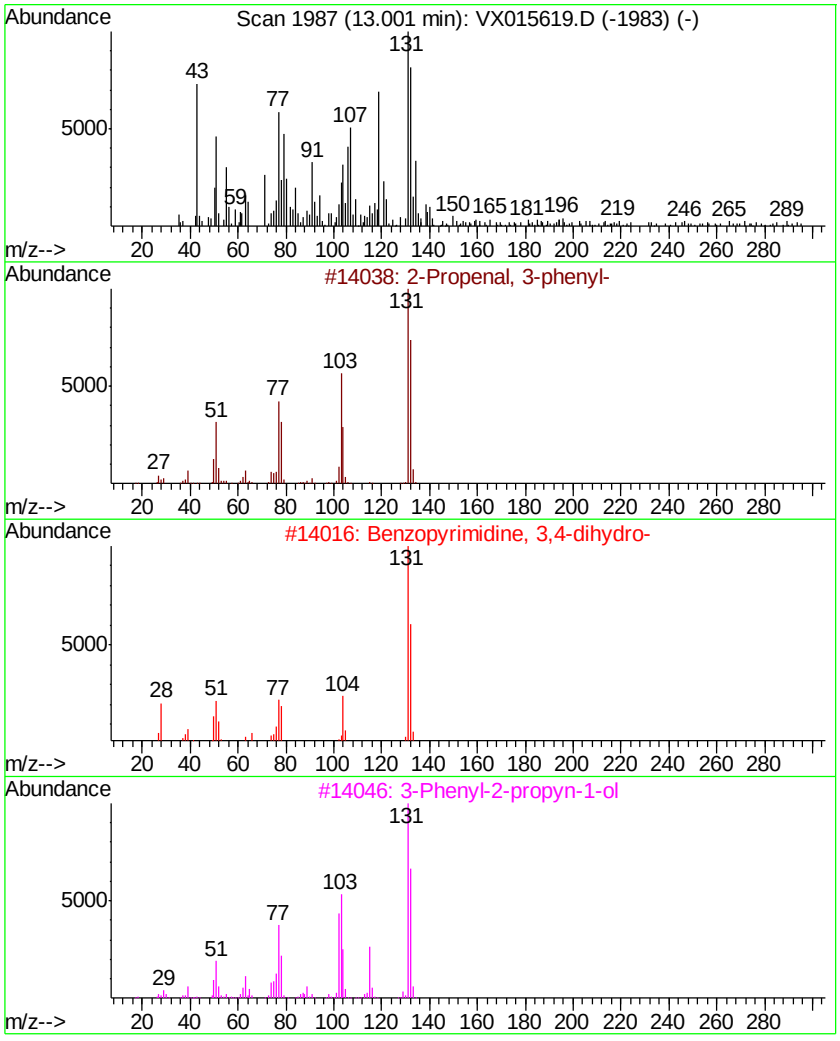
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

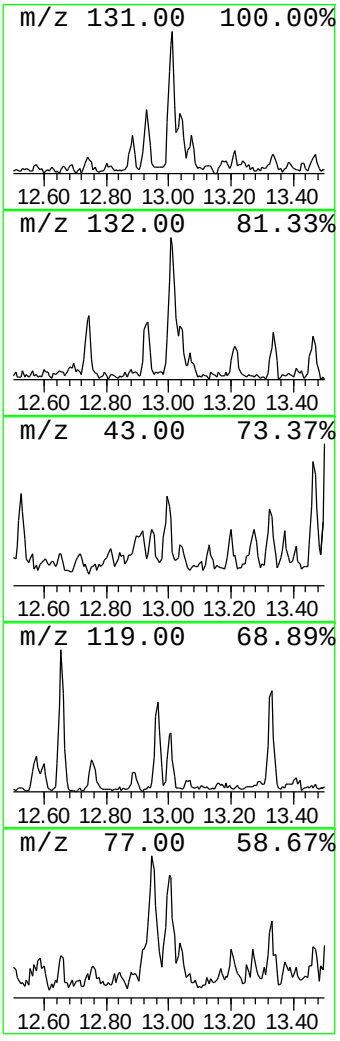
****

Peak Number 6 unknown13.00 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	3.22 ug/l	222664	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	46
2	Benzopyrimidine, 3,4-dihydro-	132	C8H8N2	001904-64-9	41
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	41
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	38
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041020\
Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

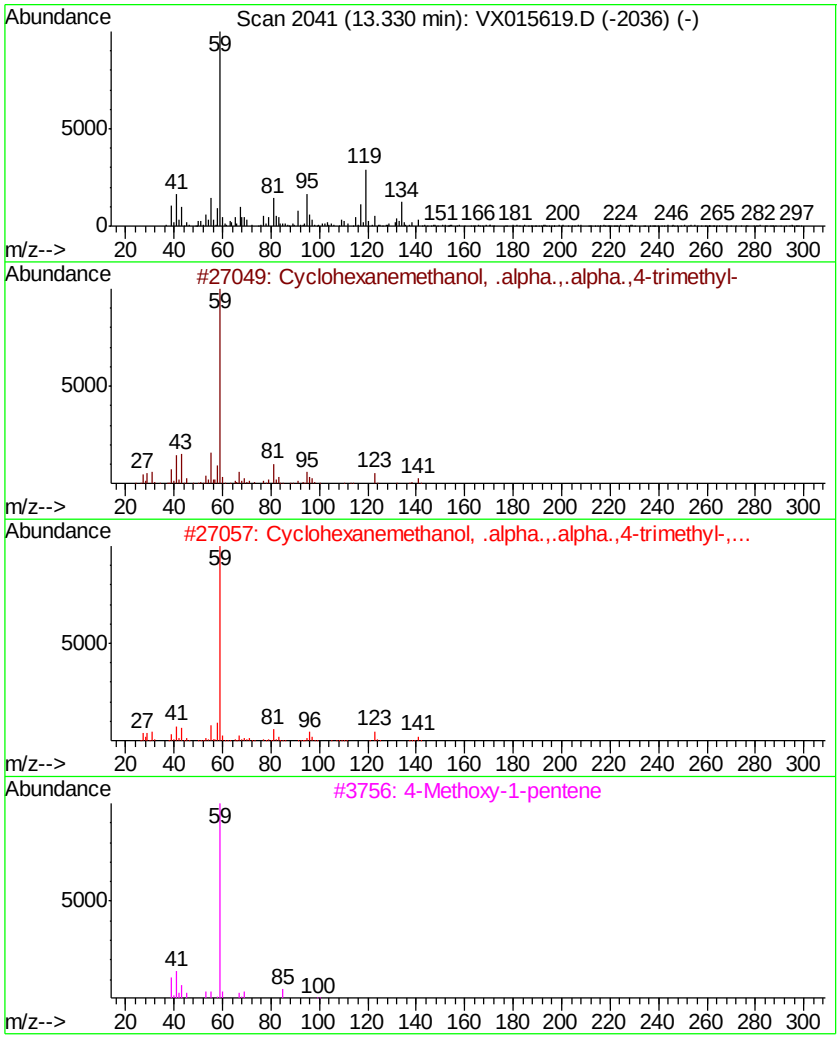
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

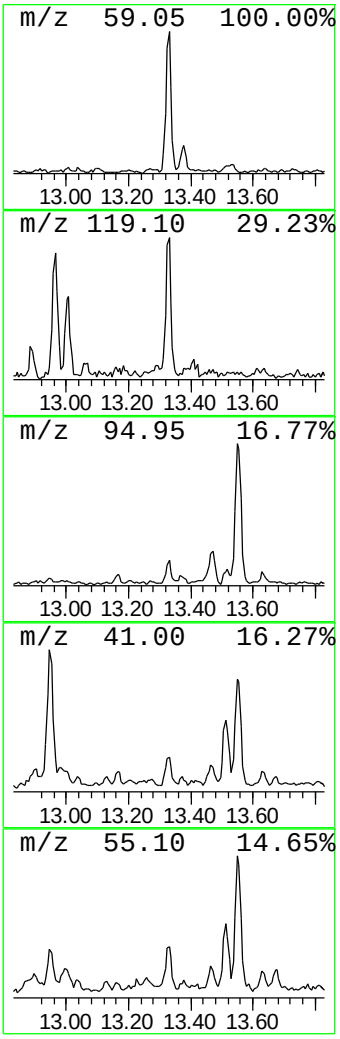
****

Peak Number 7 Cyclohexanemethanol, .alpha... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	3.37 ug/l	233051	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	50
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	50
3	4-Methoxy-1-pentene	100	C6H12O	098386-09-5	43
4	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	005114-00-1	38
5	3-(2-Hydroxy-2-methyl-propyl)-cy...	168	C10H16O2	1000185-60-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041020\
Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

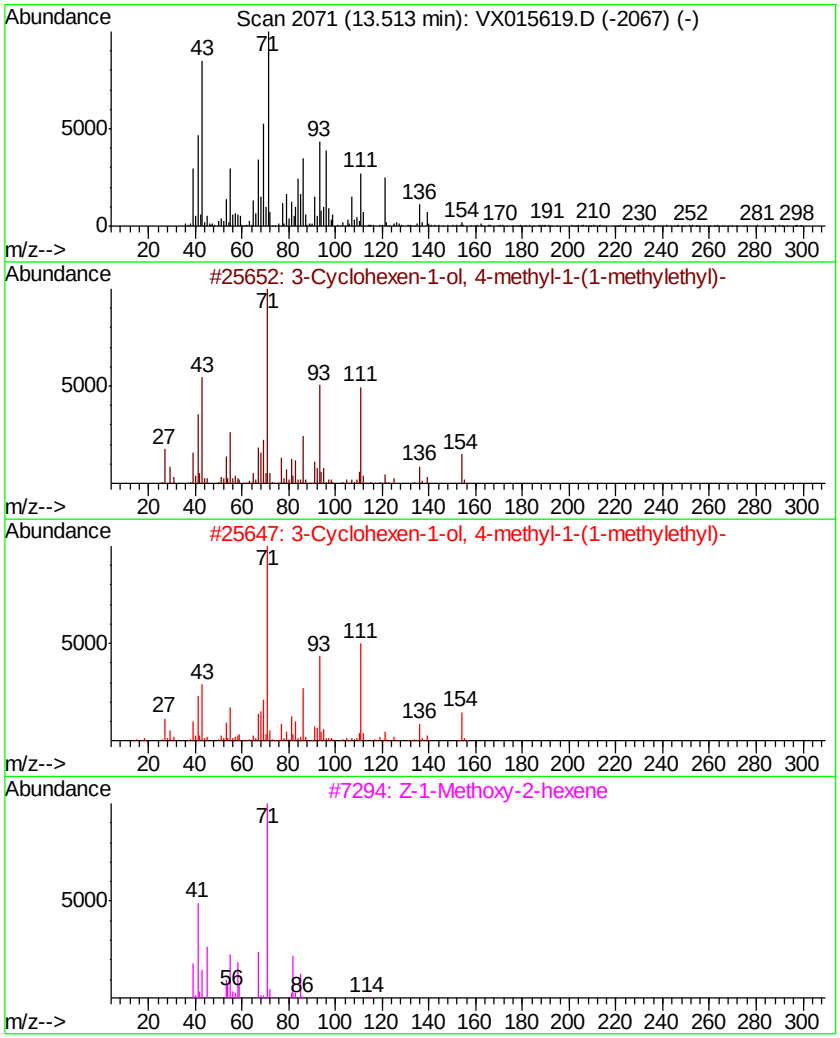
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

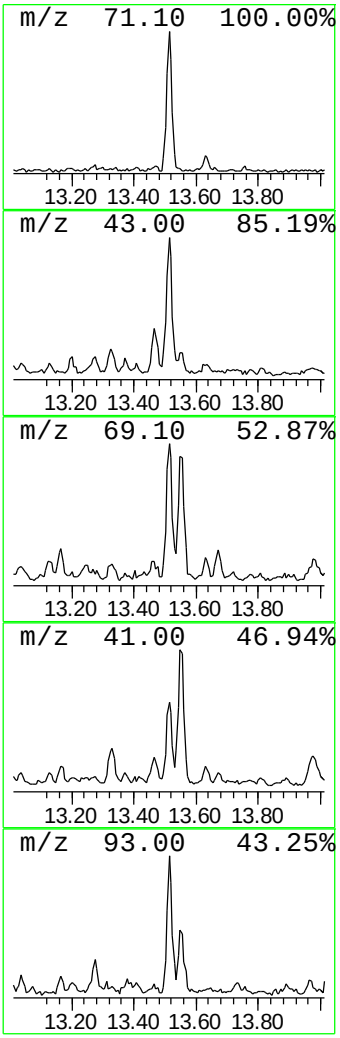
****

Peak Number 8 3-Cyclohexen-1-ol, 4-methyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	6.17 ug/l	426492	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	000562-74-3	53
2	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	000562-74-3	50
3	Z-1-Methoxy-2-hexene	114	C7H14O	1000279-60-9	35
4	1-Hexadecen-3-ol, 3,5,11,15-tetr...	296	C20H40O	1000262-55-5	27
5	1-Propene, 3-methoxy-2-methyl-	86	C5H10O	022418-49-1	25





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Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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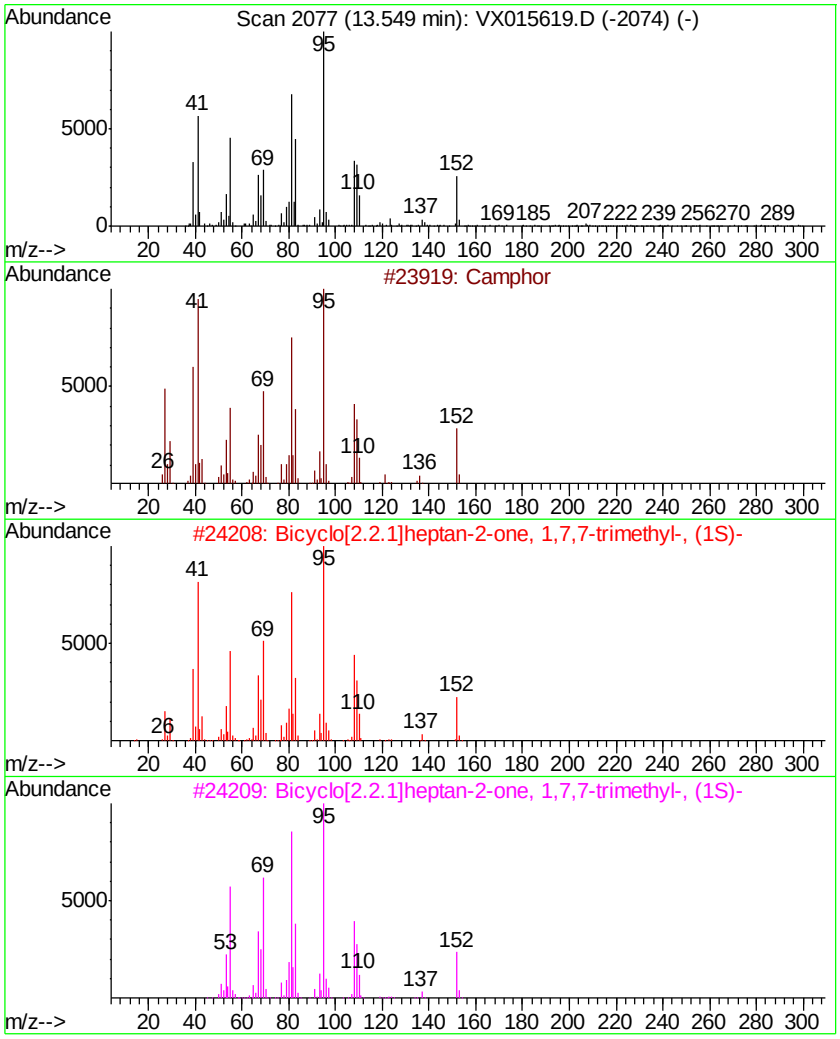
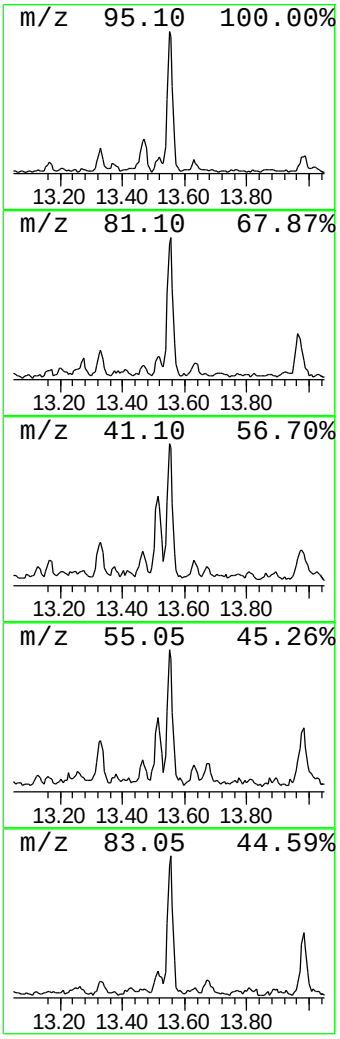
Peak Number 9 Camphor Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	7.02 ug/l	485418	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	91
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	86
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	86
4	Camphor	152	C10H16O	000076-22-2	83
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041020\
Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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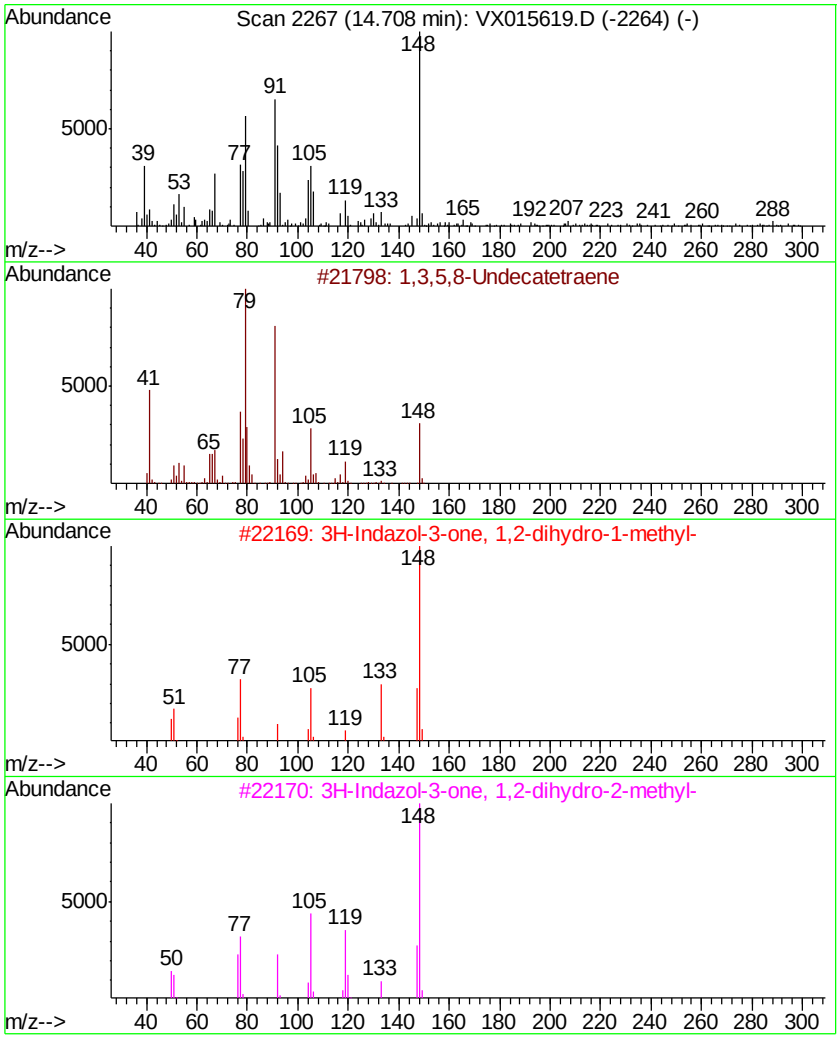
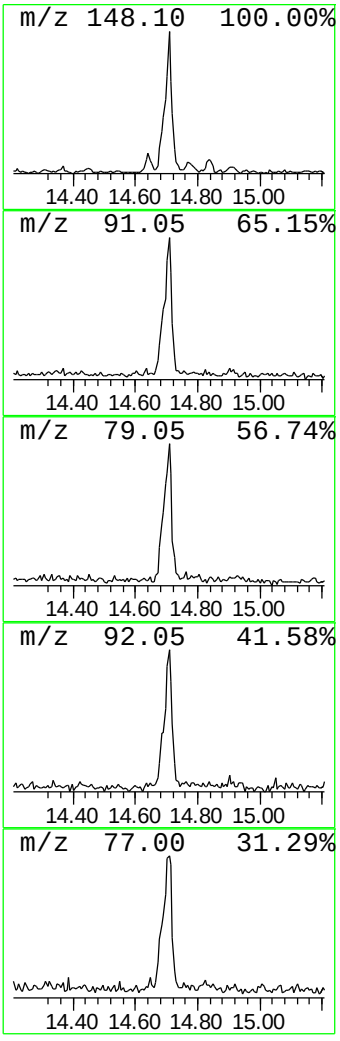
Peak Number 10 1,3,5,8-Undecatetraene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	3.75 ug/l	259231	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5,8-Undecatetraene	148	C11H16	050277-31-1	50
2	3H-Indazol-3-one, 1,2-dihydro-1-...	148	C8H8N2O	001006-19-5	38
3	3H-Indazol-3-one, 1,2-dihydro-2-...	148	C8H8N2O	001848-40-4	38
4	1H-Benzotriazole, 7-amino-1-methyl-	148	C7H8N4	013183-01-2	35
5	7-Methyl-1,2,3,5,8,8a-hexahydron...	148	C11H16	107914-88-5	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041020\
Data File : VX015619.D
Acq On : 10 Apr 2020 14:26
Operator : JC/SP
Sample : L2209-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 400408744.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1,3-Oxathiolane	9.54	4.0	ug/l	276514	3	10.10	2073220	30.0
Indane	12.29	5.9	ug/l	409339	3	10.10	2073220	30.0
Bicyclo[2.2.1]hep...	12.95	8.9	ug/l	615273	3	10.10	2073220	30.0
unknown13.00	13.00	3.2	ug/l	222664	3	10.10	2073220	30.0
Cyclohexanemethan...	13.33	3.4	ug/l	233051	3	10.10	2073220	30.0
3-Cyclohexen-1-ol...	13.51	6.2	ug/l	426492	3	10.10	2073220	30.0
Camphor	13.55	7.0	ug/l	485418	3	10.10	2073220	30.0
1,3,5,8-Undecatet...	14.71	3.8	ug/l	259231	3	10.10	2073220	30.0