LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

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\82X061518W.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	1.075	76	80	94	rBV	1135600	1374919	18.33%	2.342%
2	1.301	113	117	130	rBV2	904416	1243309	16.57%	2.118%
3	1.404	130	134	140	rVB	1912054	1855505	24.73%	3.160%
4	1.794	192	198	215	rVB	5305321	7501878	100.00%	12.777%
5	2.002	227	232	247	rVB	1075756	1595614	21.27%	2.718%
6	2.124	247	252	257	rBV	73938	106947	1.43%	0.182%
7	2.270	271	276	288	rVB	737737	1163785	15.51%	1.982%
8	2.398	290	297	310	rVB	225285	458528	6.11%	0.781%
9	2.843	353	370	375	rBV2	286683	780882	10.41%	1.330%
10	2.892	375	378	379	rVV	253099	336984	4.49%	0.574%
11	2.934	379	385	403	rVB	1237619	2738856	36.51%	4.665%
12	3.172	415	424	440	rVB	329022	749692	9.99%	1.277%
13	3.520	474	481	491	rVB	40460	91146	1.21%	0.155%
14	3.818	521	530	539	rVB	115562	280894	3.74%	0.478%
15	3.922	539	547	554	rBV2	107176	280426	3.74%	0.478%
16	3.995	554	559	566	rVB	38212	90576	1.21%	0.154%
17	4.196	582	592	601	rBV2	105221	275219	3.67%	0.469%
18	4.404	615	626	637	rVV	762121	2199207	29.32%	3.746%
19	4.532	637	647	664	rVB	114213	342864	4.57%	0.584%
20	5.306	749	774	789	rBV	139432	466332	6.22%	0.794%
21	5.507	793	807	813	rVV	146749	437599	5.83%	0.745%
22	5.580	813	819	827	rVV	191666	589237	7.85%	1.004%
23	5.666	827	833	862	rVB2	223647	865785	11.54%	1.475%
24	6.074	890	900	909	rBV	162107	409806	5.46%	0.698%
25	6.306	923	938	943	rBV2	102253	418363	5.58%	0.713%
26	6.464	957	964	974	rVB2	48671	139583	1.86%	0.238%
27	6.867	1020	1030	1038	rBV	318829	813739	10.85%	1.386%
28	6.946	1039	1043	1054	rVB4	60703	159248	2.12%	0.271%
29	7.257	1087	1094	1104	rVB2	63472	143580	1.91%	0.245%
30	7.464	1115	1128	1139	rBV3	147262	429113	5.72%	0.731%
31	7.738	1167	1173	1186	rVB	39526	76509	1.02%	0.130%
32	7.958	1197	1209	1216	rBV3	52938	171792	2.29%	0.293%
33	8.055	1216	1225	1237	rVB	33582	92690	1.24%	0.158%
34	8.214	1237	1251	1257	rBV2	166550	381518	5.09%	0.650%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

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\82X061518W.M
Title : SW846 8260

35	8.513	1294	1300	1305	rBV	48041	82651	1.10%	0.141%
36	8.574	1305	1310	1319	rVB3	146554	280435	3.74%	0.478%
37	8.720	1328	1334	1340	rBV	777227	1194276	15.92%	2.034%
38	8.787	1340	1345	1352	rVB	1119849	1696785	22.62%	2.890%
39	8.915	1362	1366	1374	rVB	54743	85736	1.14%	0.146%
40	9.226	1412	1417	1427	rVB	83977	135577	1.81%	0.231%
41	10.116	1553	1563	1568	rBV	693407	929803	12.39%	1.584%
42	10.256	1581	1586	1591	rVB	1195986	1484797	19.79%	2.529%
43	10.366	1598	1604	1609	rVB	853120	1141676	15.22%	1.944%
44	10.701	1655	1659	1666	rVB	228021	284860	3.80%	0.485%
45	11.024	1706	1712	1720	rBV	661202	847206	11.29%	1.443%
46	11.140	1726	1731	1736	rVB	726111	882792	11.77%	1.504%
47	11.366	1755	1768	1773	rBV	1223041	1582113	21.09%	2.695%
48	11.457	1777	1783	1788	rVB	144187	180077	2.40%	0.307%
49	11.671	1811	1818	1828	rBV	789796	980914	13.08%	1.671%
50	11.921	1854	1859	1861	rBV	68450	89797	1.20%	0.153%
51	11.951	1861	1864	1870	rVB	102925	126314	1.68%	0.215%
52	12.079	1880	1885	1889	rBV	809134	1056595	14.08%	1.800%
53	12.116	1889	1891	1895	rVB	86408	100964	1.35%	0.172%
54	12.305	1916	1922	1928	rBV	2946844	3577920	47.69%	6.094%
55	12.372	1928	1933	1940	rVV2	352479	535324	7.14%	0.912%
56	12.463	1943	1948	1954	rVV2	210530	281640	3.75%	0.480%
57	12.524	1954	1958	1964	rVB2	208362	282897	3.77%	0.482%
58	12.670	1976	1982	1985	rBV	105680	144104	1.92%	0.245%
59	12.707	1985	1988	1992	rVV	246900	292613	3.90%	0.498%
60	12.756	1992	1996	2004	rVB	1436280	1893240	25.24%	3.225%
61	12.981	2025	2033	2037	rBV	948070	1109796	14.79%	1.890%
62	13.024	2037	2040	2045	rVV	90080	115053	1.53%	0.196%
63	13.091	2045	2051	2058	rVB3	65002	113119	1.51%	0.193%
64	13.195	2058	2068	2070	rBV3	82089	137657	1.83%	0.234%
65	13.231	2070	2074	2083	rVV	821061	1043051	13.90%	1.777%
66	13.353	2083	2094	2099	rVV2	1879035	2481944	33.08%	4.227%
67	13.402	2099	2102	2111	rVV3	153415	247182	3.29%	0.421%
68	13.487	2111	2116	2121	rVB	231052	303924	4.05%	0.518%
69	13.603	2131	2135	2138	rVV	184939	271493	3.62%	0.462%
70	13.640	2138	2141	2145	rVV2	172997	258746	3.45%	0.441%
71	13.701	2145	2151	2153	rVV2	107310	204683	2.73%	0.349%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

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\82X061518W.M
Title : SW846 8260

72	13.725	2153	2155	2162	rVB2	178576	253686	3.38%	0.432%
73	13.841	2164	2174	2183	rBV	1392243	1831219	24.41%	3.119%
74	13.932	2183	2189	2193	rBV	109024	155046	2.07%	0.264%
75	13.987	2193	2198	2202	rVV2	69063	96055	1.28%	0.164%
76	14.030	2202	2205	2209	rVB	63709	76036	1.01%	0.130%
77	14.140	2218	2223	2229	rBV	78680	107648	1.43%	0.183%
78	14.280	2241	2246	2251	rBV2	79729	127278	1.70%	0.217%
79	14.384	2258	2263	2268	rBV	80905	114063	1.52%	0.194%
80	14.432	2268	2271	2276	rVB	72847	87713	1.17%	0.149%
81	14.847	2333	2339	2349	rVB2	249719	345103	4.60%	0.588%

Sum of corrected areas: 58713726

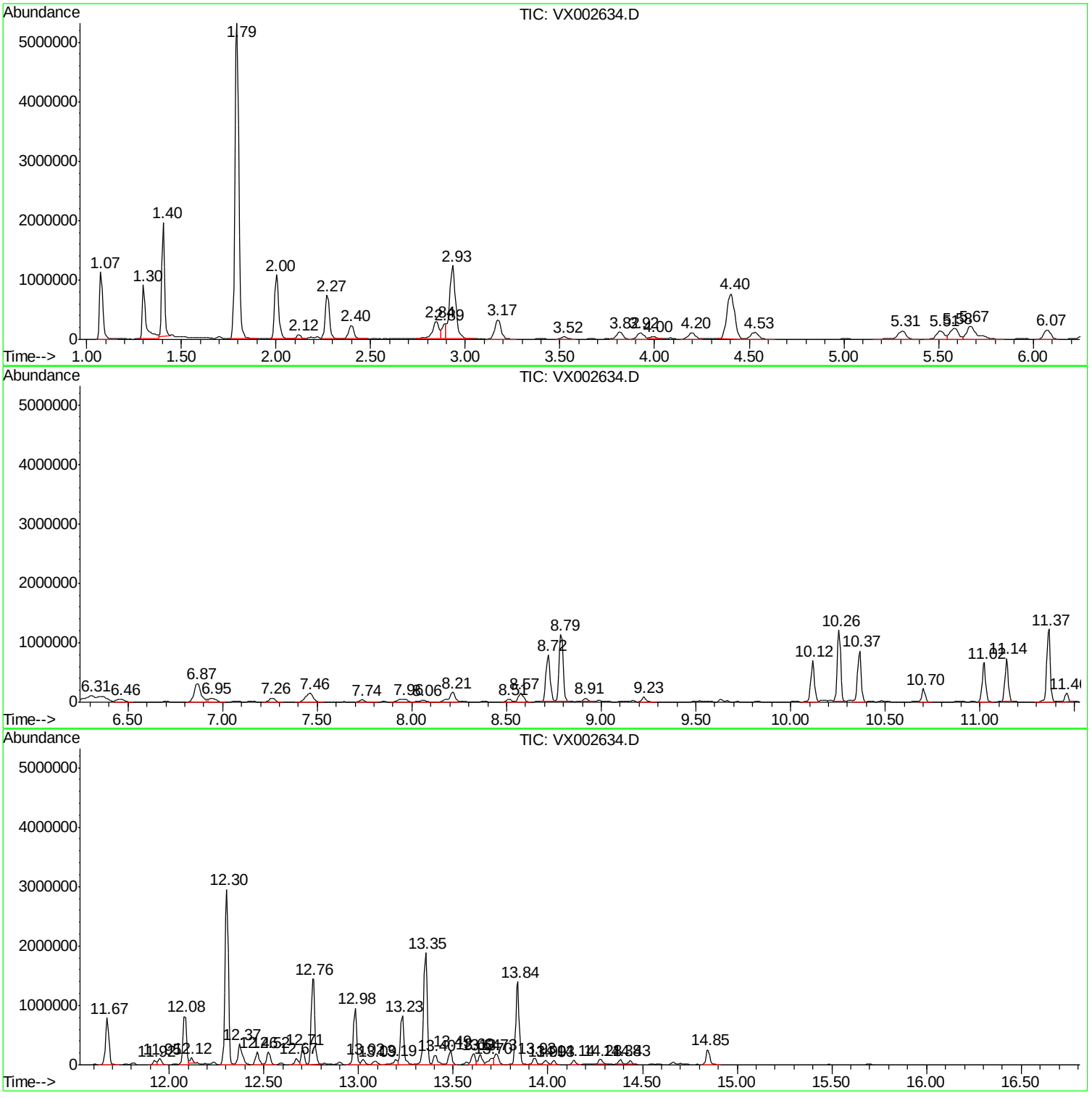
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.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\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260

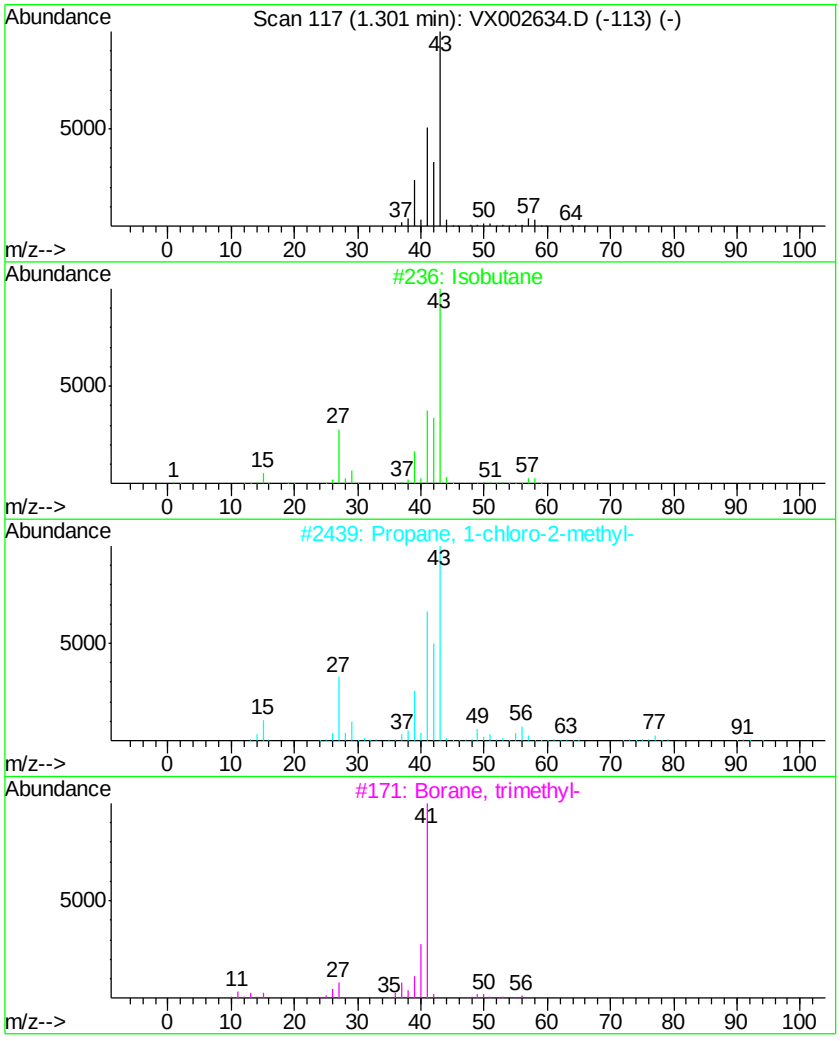
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

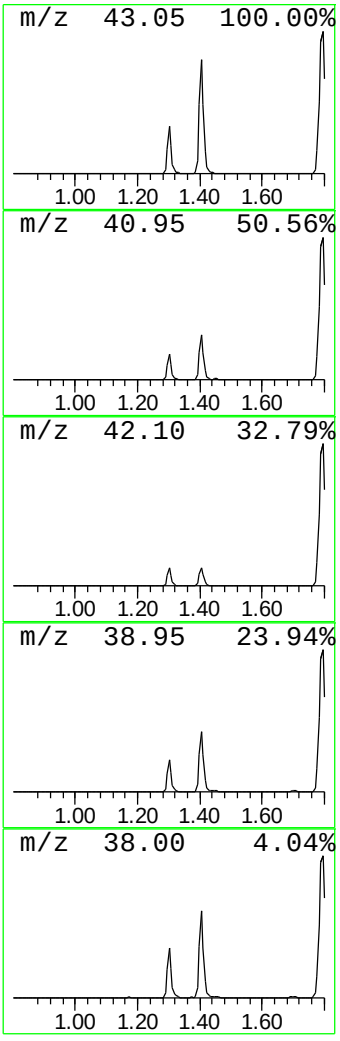
****

Peak Number 2 Isobutane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	71.80 ug/l	1243310	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	9
3	Borane, trimethyl-	56	C3H9B	000593-90-8	4
4	Isobutyl nitrite	103	C4H9NO2	000542-56-3	4
5	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260

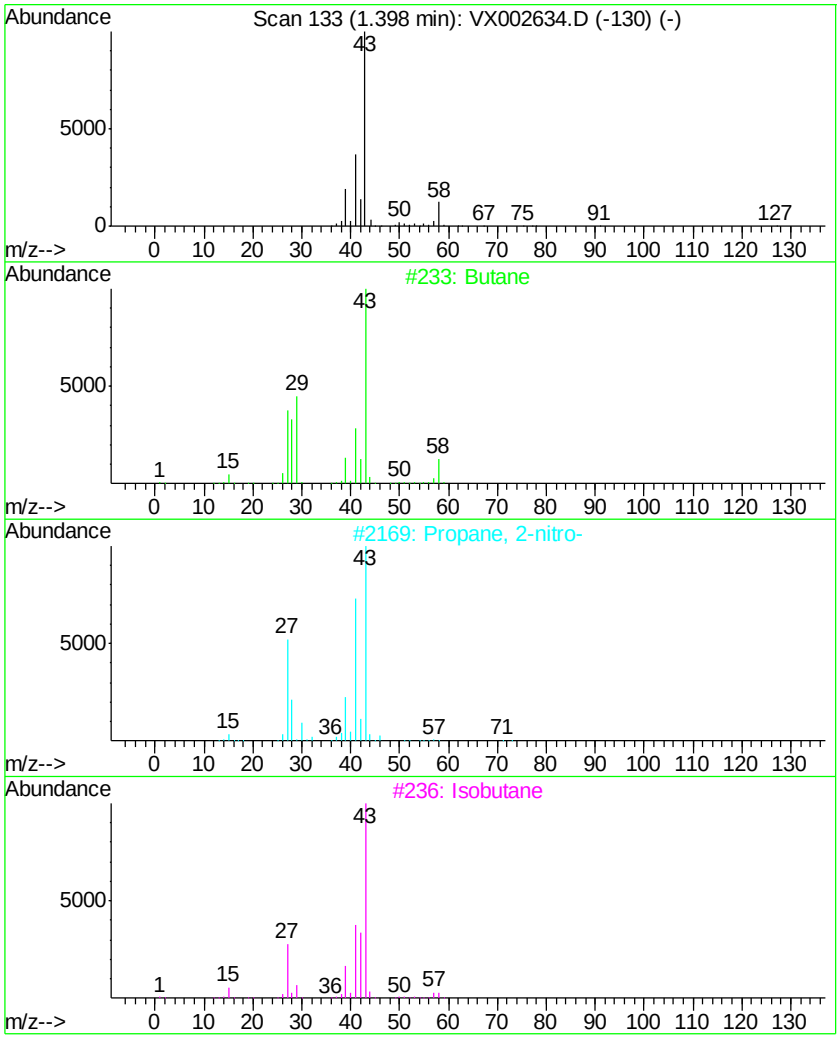
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

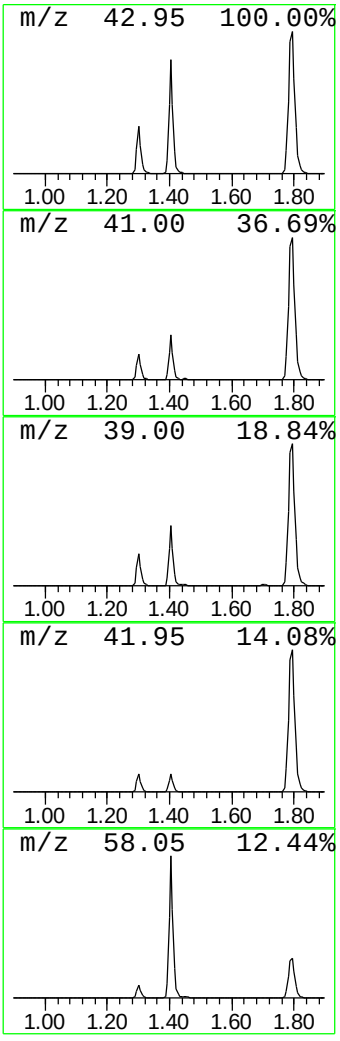
****

Peak Number 3 Butane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	107.16 ug/l	1855510	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	72
2	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9
3	Isobutane	58	C4H10	000075-28-5	9
4	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
5	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260

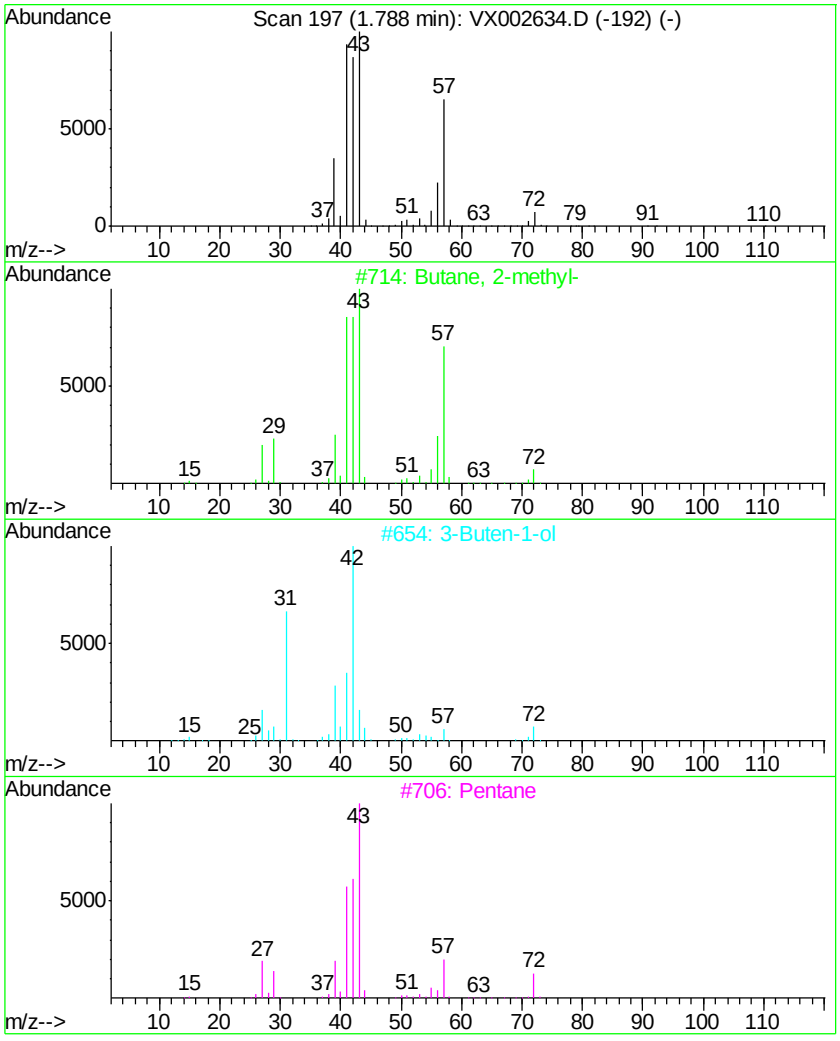
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

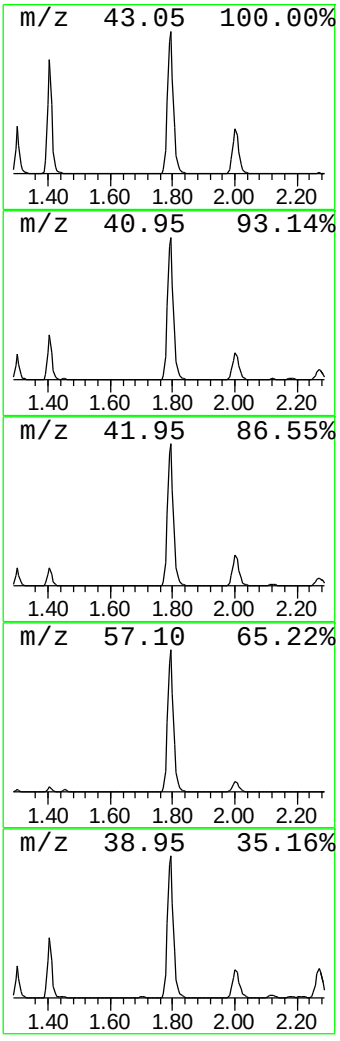
****

Peak Number 4 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	433.24 ug/l	7501880	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	36
4	1-Butene	56	C4H8	000106-98-9	9
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260

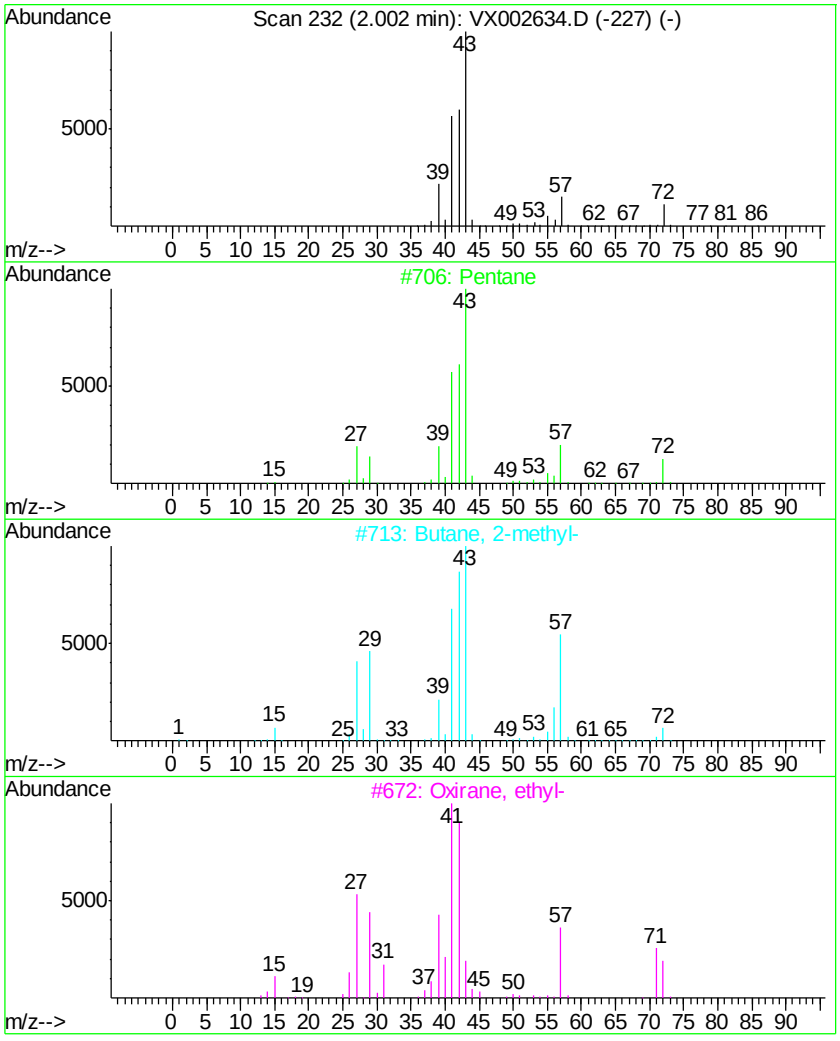
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

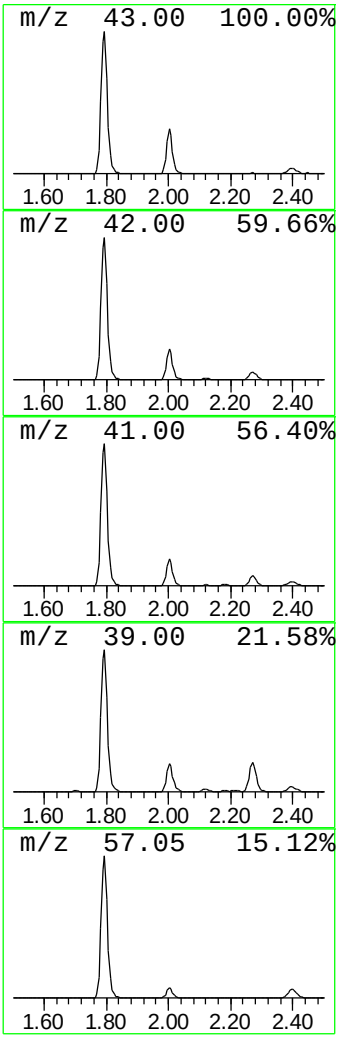
****

Peak Number 5 Pentane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	92.15 ug/l	1595610	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	45
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	43
4	Butanal, 2,2-dimethyl-	100	C6H12O	002094-75-9	9
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260

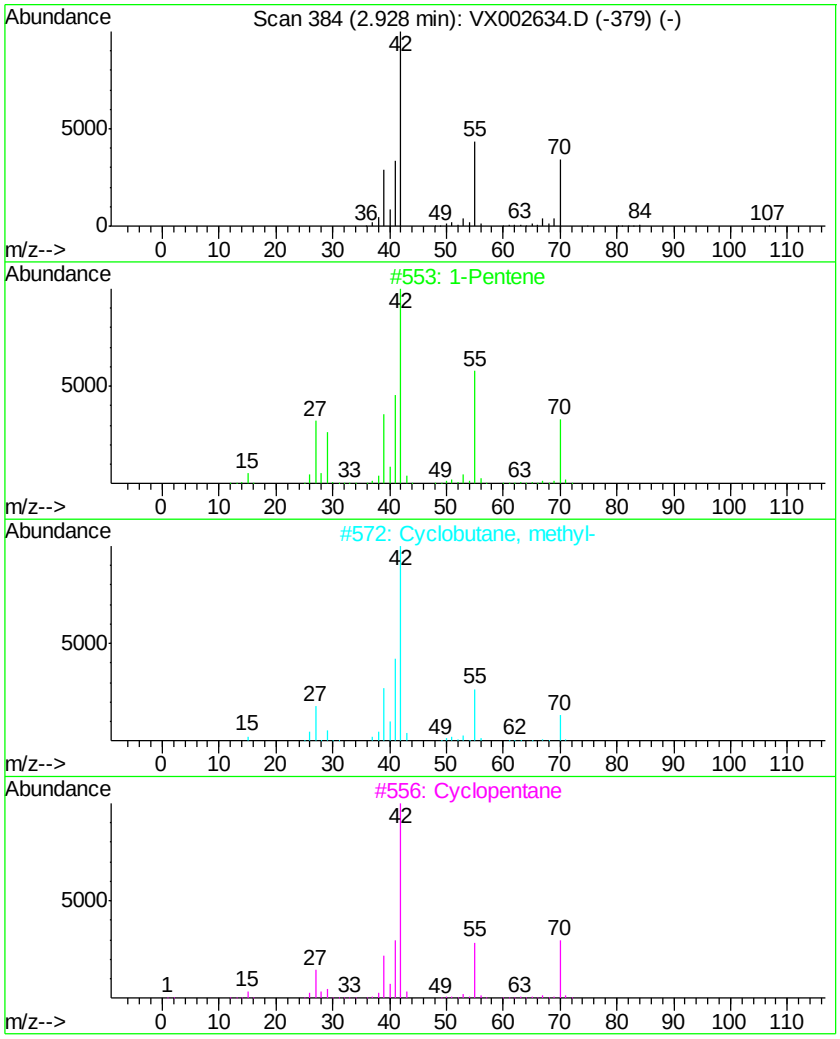
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

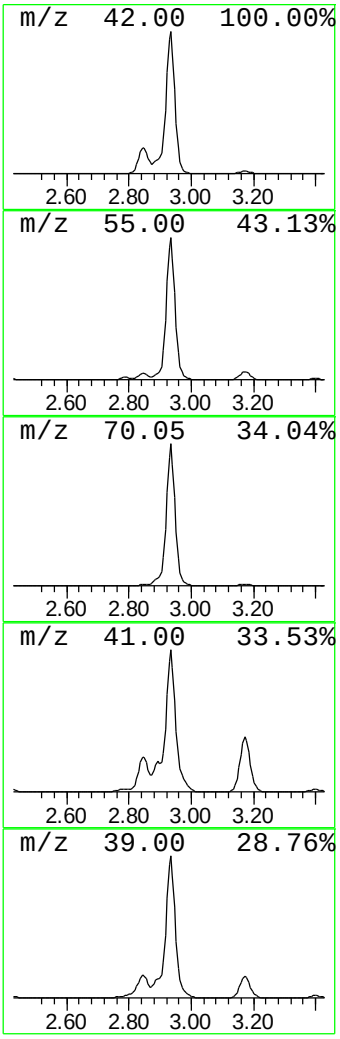
****

Peak Number 6 1-Pentene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	158.17 ug/l	2738860	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	86
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	86
3	Cyclopentane	70	C5H10	000287-92-3	72
4	1-Pentanol	88	C5H12O	000071-41-0	50
5	Cyclobutanone	70	C4H6O	001191-95-3	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260

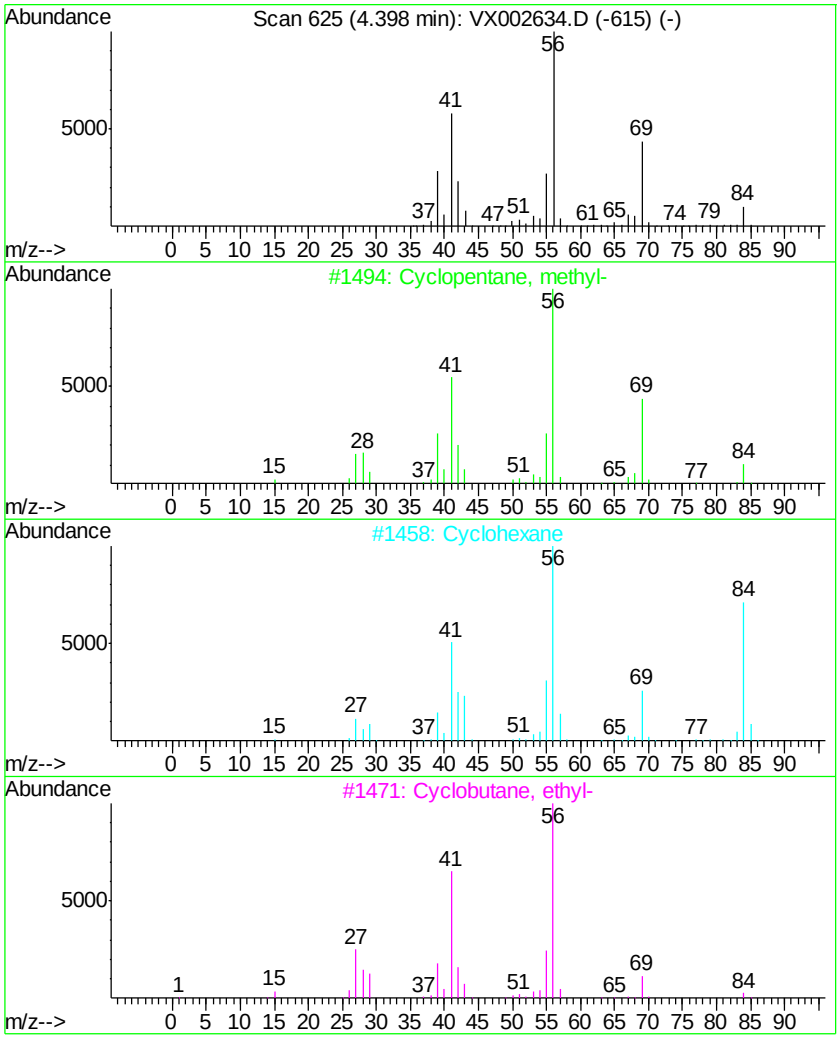
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

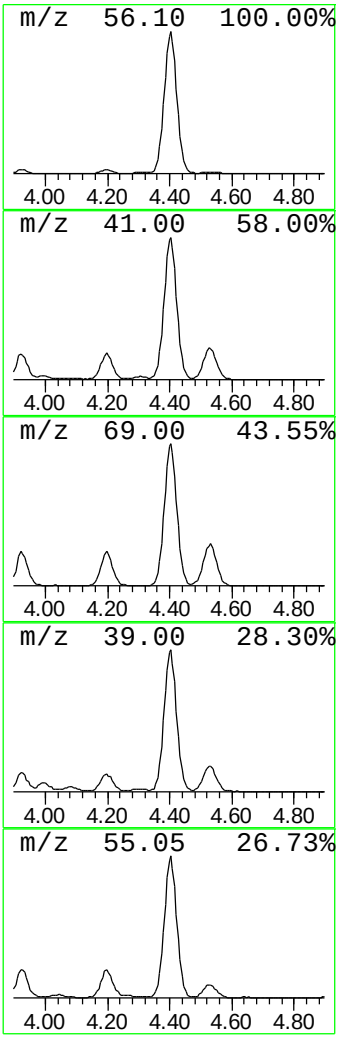
****

Peak Number 7 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	127.01 ug/l	2199210	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	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	59
5	Cyclobutane	56	C4H8	000287-23-0	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260

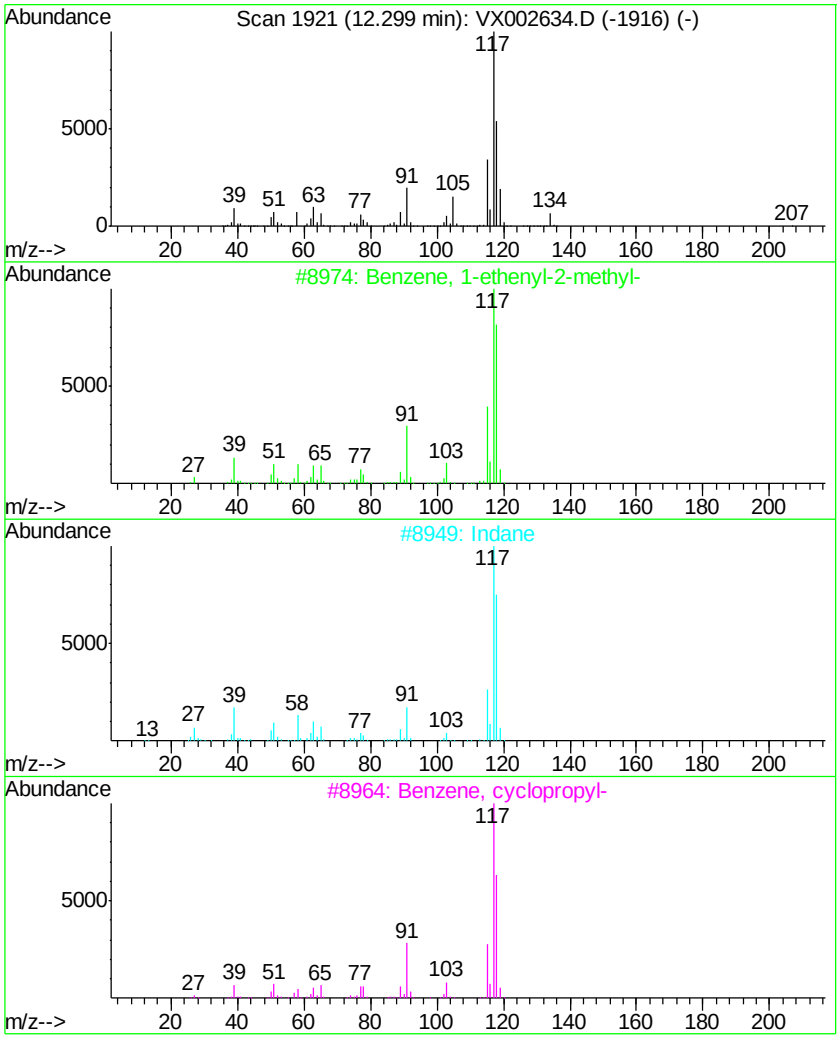
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

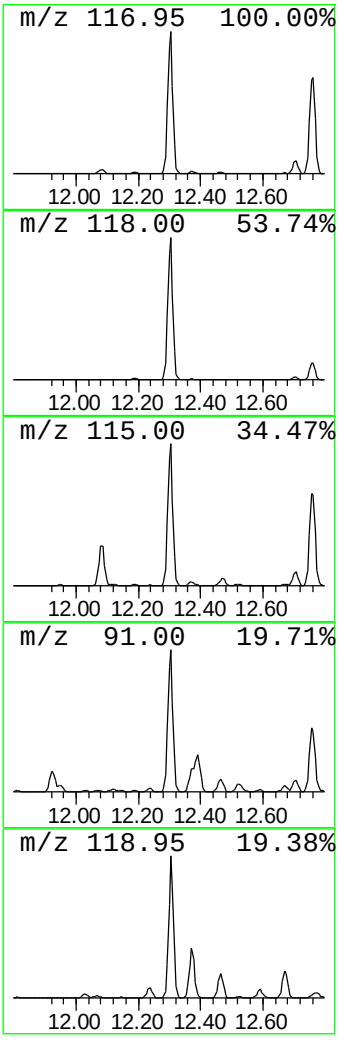
****

Peak Number 8 Benzene, 1-ethenyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	169.31 ug/l	3577920	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	83
2	Indane	118	C9H10	000496-11-7	70
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260

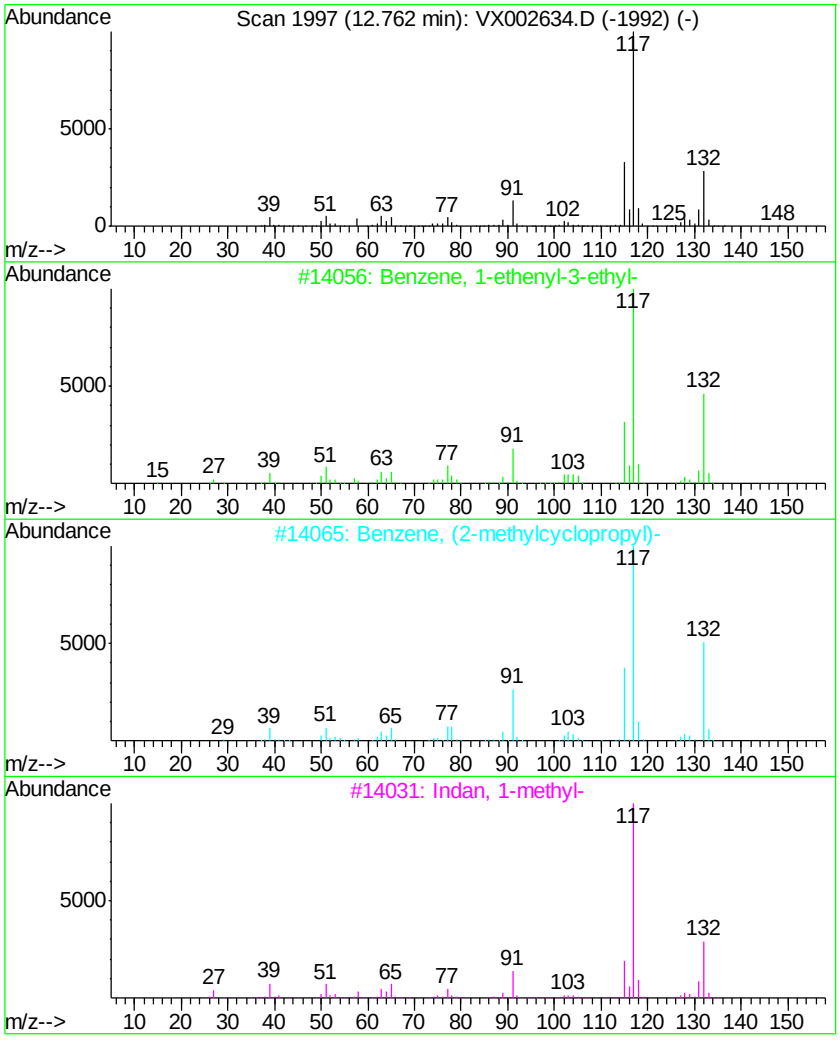
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

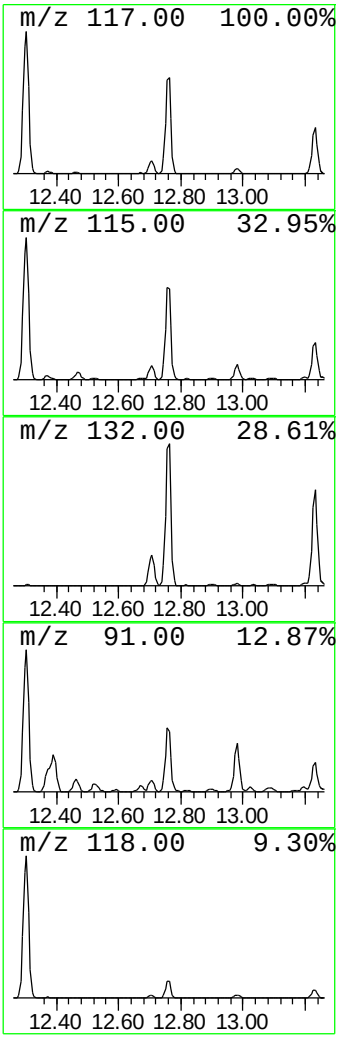
****

Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	89.59 ug/l	1893240	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260

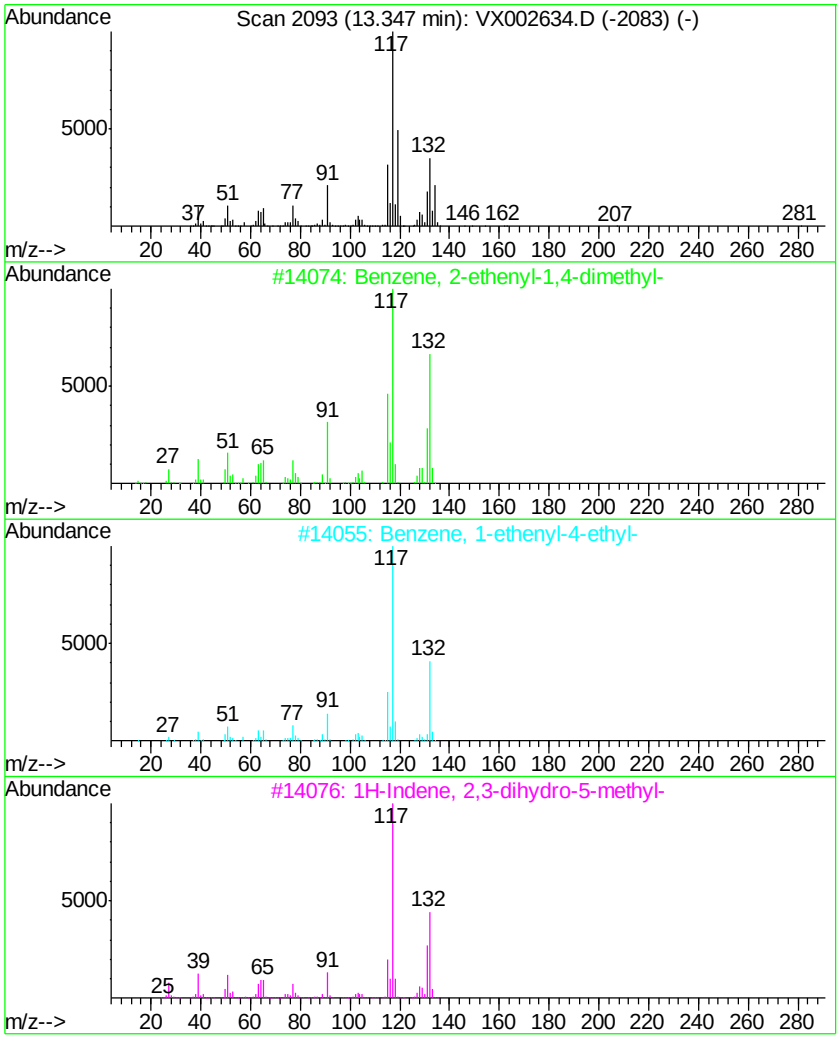
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

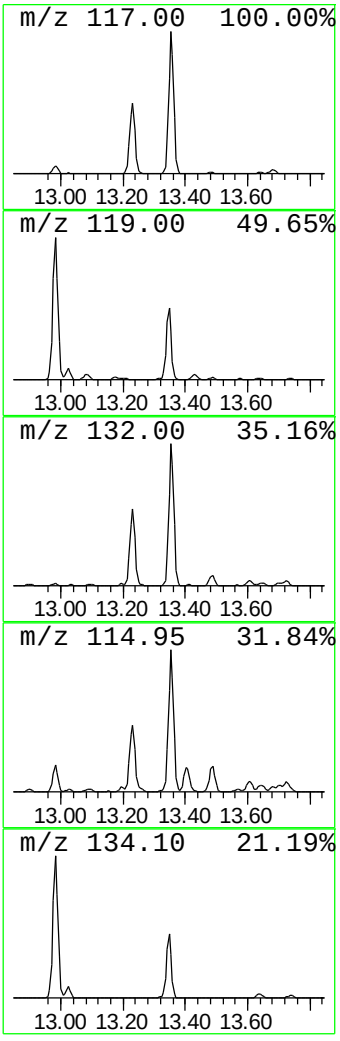
****

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	117.45 ug/l	2481940	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061518\
Data File : VX002634.D
Acq On : 16 Jun 2018 08:58
Operator : JC/MD
Sample : J3449-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-33

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.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
Isobutane	1.30	71.8	ug/l	1243310	1	5.67	865785	50.0
Butane	1.40	107.2	ug/l	1855510	1	5.67	865785	50.0
Butane, 2-methyl-	1.79	433.2	ug/l	7501880	1	5.67	865785	50.0
Pentane	2.00	92.2	ug/l	1595610	1	5.67	865785	50.0
1-Pentene	2.93	158.2	ug/l	2738860	1	5.67	865785	50.0
Cyclopentane, met...	4.40	127.0	ug/l	2199210	1	5.67	865785	50.0
Benzene, 1-etheny...	12.30	169.3	ug/l	3577920	4	12.09	1056600	50.0
Benzene, 1-etheny...	12.76	89.6	ug/l	1893240	4	12.09	1056600	50.0
Benzene, 2-etheny...	13.35	117.5	ug/l	2481940	4	12.09	1056600	50.0