LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
Data File : VX003173.D
Acq On : 05 Jul 2018 15:40
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S10-0143

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\82X062518W.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	592008	862208	59.62%	6.211%
2	1.788	192	197	209	rVB	156678	222130	15.36%	1.600%
3	2.392	291	296	302	rBV2	7308	14781	1.02%	0.106%
4	2.843	361	370	382	rBV	385650	837840	57.93%	6.035%
5	3.166	417	423	435	rVB3	10348	25533	1.77%	0.184%
6	4.306	593	610	621	rBV	107273	334602	23.14%	2.410%
7	4.556	635	651	661	rBV5	20906	79838	5.52%	0.575%
8	5.239	753	763	773	rVB3	7146	24665	1.71%	0.178%
9	5.507	792	807	822	rBV	175948	512691	35.45%	3.693%
10	5.671	823	834	840	rBV	261260	795678	55.02%	5.732%
11	5.952	869	880	889	rVB3	9724	30534	2.11%	0.220%
12	6.074	889	900	908	rBV	182237	478509	33.09%	3.447%
13	6.153	908	913	922	rVB2	28828	69351	4.80%	0.500%
14	6.263	922	931	935	rBV4	14535	42533	2.94%	0.306%
15	6.348	935	945	959	rVB	152205	466458	32.25%	3.360%
16	6.866	1020	1030	1048	rBV	375528	889094	61.48%	6.404%
17	7.452	1119	1126	1136	rVB4	12526	32587	2.25%	0.235%
18	7.683	1152	1164	1172	rBV	20387	49030	3.39%	0.353%
19	7.848	1186	1191	1198	rVB3	7194	15269	1.06%	0.110%
20	7.994	1209	1215	1219	rBV	13829	29510	2.04%	0.213%
21	8.055	1219	1225	1235	rVB	106437	220807	15.27%	1.591%
22	8.183	1237	1246	1255	rBV	422917	847445	58.60%	6.104%
23	8.397	1274	1281	1287	rBV2	13830	26557	1.84%	0.191%
24	8.518	1294	1301	1308	rBV	98674	168006	11.62%	1.210%
25	8.720	1318	1334	1349	rBV	892725	1446179	100.00%	10.417%
26	8.842	1349	1354	1360	rVB	24443	40670	2.81%	0.293%
27	9.043	1381	1387	1394	rVB	28156	45989	3.18%	0.331%
28	9.171	1397	1408	1414	rBV	16791	29362	2.03%	0.212%
29	9.317	1426	1432	1440	rBV	29972	49876	3.45%	0.359%
30	9.445	1447	1453	1458	rBV	16537	24401	1.69%	0.176%
31	9.524	1460	1466	1471	rVV2	61572	95382	6.60%	0.687%
32	9.573	1471	1474	1480	rVB3	11504	17866	1.24%	0.129%
33	9.860	1516	1521	1530	rVB	12861	20186	1.40%	0.145%
34	10.012	1539	1546	1551	rBV	25119	35321	2.44%	0.254%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
Data File : VX003173.D
Acq On : 05 Jul 2018 15:40
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S10-0143

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\82X062518W.M
Title : SW846 8260

35	10.073	1551	1556	1559	rVV	147726	208895	14.44%	1.505%
36	10.116	1559	1563	1571	rVV	781284	1065142	73.65%	7.673%
37	10.189	1571	1575	1581	rVV	13218	25414	1.76%	0.183%
38	10.256	1581	1586	1595	rVV	184805	249920	17.28%	1.800%
39	10.366	1595	1604	1611	rVB2	26197	51914	3.59%	0.374%
40	10.439	1611	1616	1621	rBV3	13605	19516	1.35%	0.141%
41	11.024	1706	1712	1716	rBV	57659	77449	5.36%	0.558%
42	11.079	1716	1721	1726	rVV	44622	59461	4.11%	0.428%
43	11.140	1726	1731	1741	rVV	776674	1003865	69.41%	7.231%
44	11.225	1741	1745	1753	rVB6	7690	19148	1.32%	0.138%
45	11.366	1763	1768	1771	rBV	49185	62860	4.35%	0.453%
46	11.457	1778	1783	1787	rBV	11495	15156	1.05%	0.109%
47	11.512	1787	1792	1797	rVB	18502	24156	1.67%	0.174%
48	11.670	1809	1818	1826	rBV	294285	372317	25.74%	2.682%
49	11.774	1826	1835	1838	rVV3	9614	19955	1.38%	0.144%
50	11.811	1838	1841	1845	rVB	12137	15035	1.04%	0.108%
51	11.951	1860	1864	1872	rVB	26879	42474	2.94%	0.306%
52	12.030	1872	1877	1880	rBV2	38279	49514	3.42%	0.357%
53	12.079	1880	1885	1892	rVV	898687	1176030	81.32%	8.471%
54	12.146	1892	1896	1900	rVB	14255	18336	1.27%	0.132%
55	12.237	1907	1911	1915	rVB	13731	16226	1.12%	0.117%
56	12.304	1915	1922	1930	rVV	43547	68382	4.73%	0.493%
57	12.378	1930	1934	1942	rVB3	19624	33166	2.29%	0.239%
58	12.463	1942	1948	1952	rBV	13735	19257	1.33%	0.139%
59	12.518	1952	1957	1964	rVB3	14370	24137	1.67%	0.174%
60	12.670	1978	1982	1985	rBV	19081	20954	1.45%	0.151%
61	12.762	1993	1997	2003	rVB3	40688	66980	4.63%	0.482%
62	12.902	2015	2020	2025	rVB2	17099	24039	1.66%	0.173%
63	12.993	2025	2035	2039	rVV2	9147	16230	1.12%	0.117%
64	13.353	2088	2094	2099	rBV3	16856	27543	1.90%	0.198%
65	13.481	2110	2115	2121	rBV	50023	66710	4.61%	0.481%
66	13.841	2166	2174	2184	rVB	24134	41362	2.86%	0.298%

Sum of corrected areas: 13882431

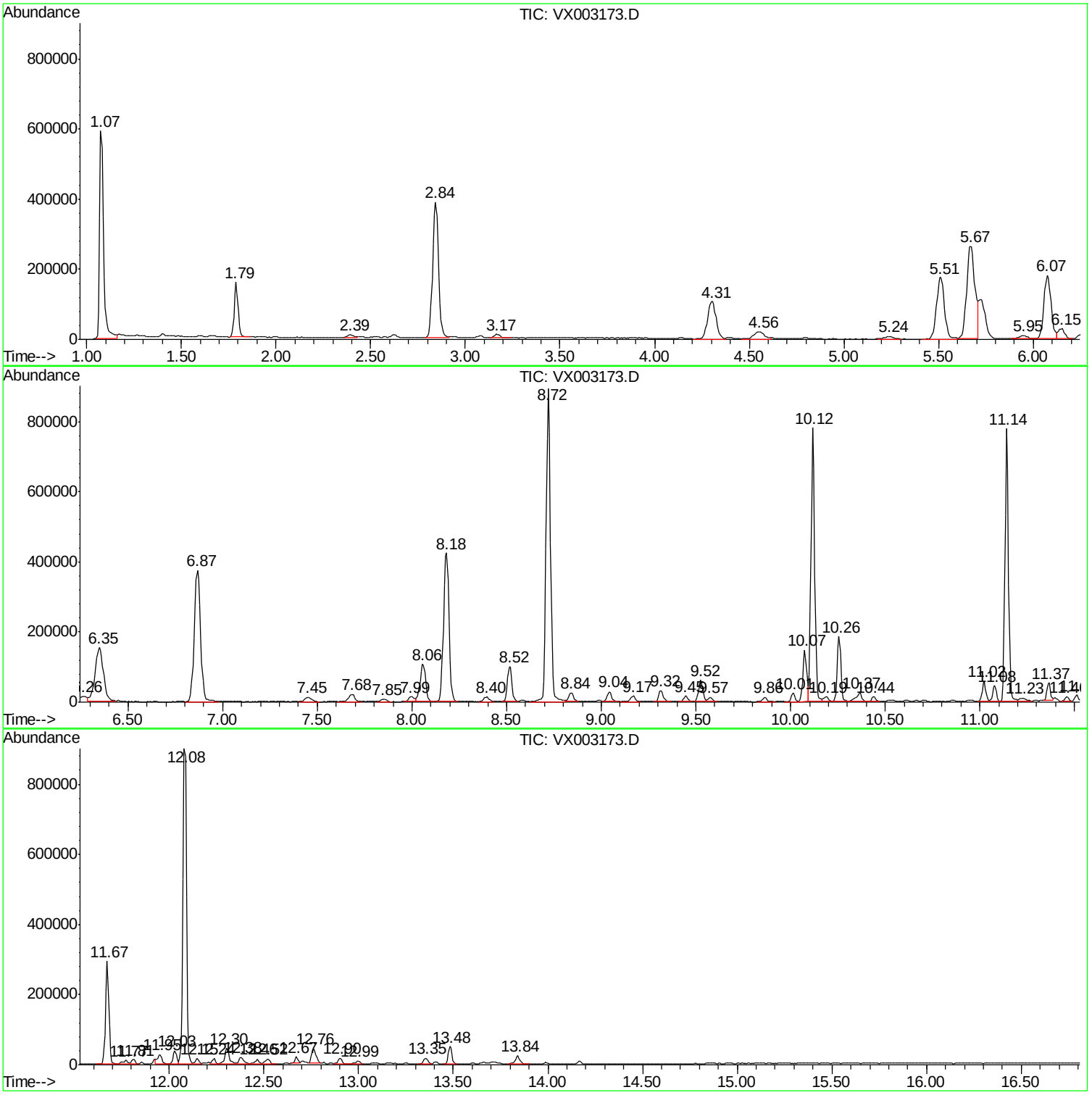
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
Data File : VX003173.D
Acq On : 05 Jul 2018 15:40
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S10-0143

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.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\VX070518\
Data File : VX003173.D
Acq On : 05 Jul 2018 15:40
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S10-0143

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

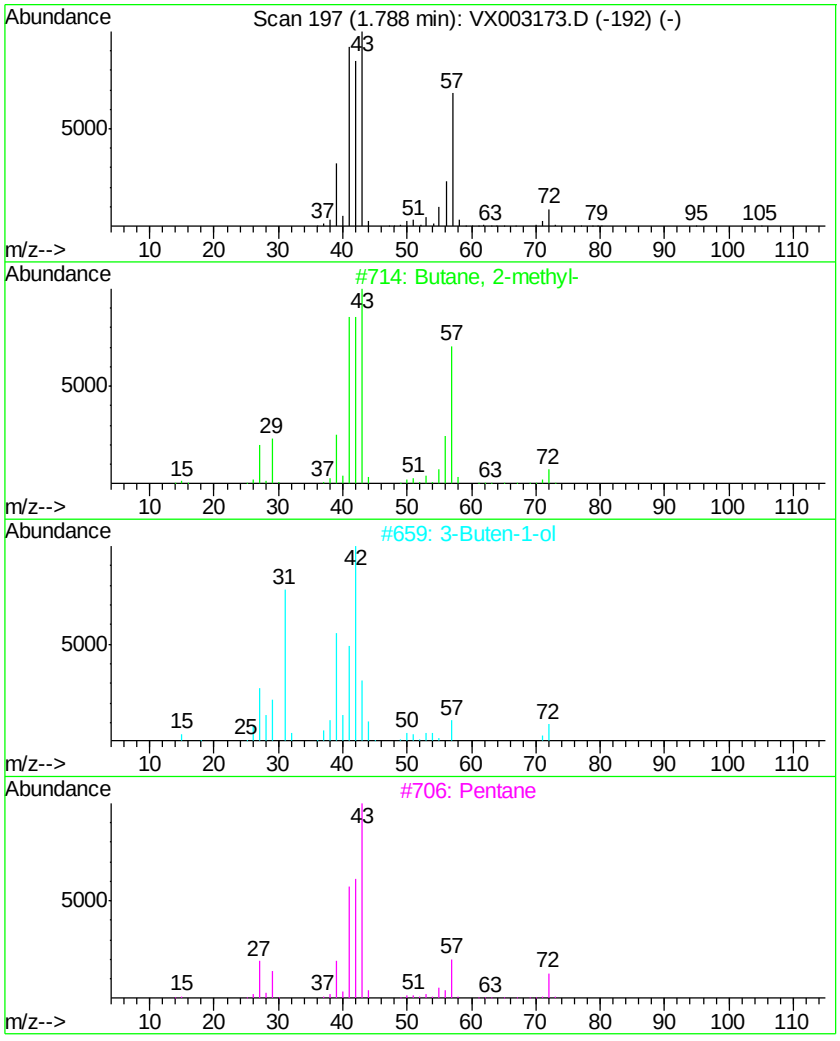
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

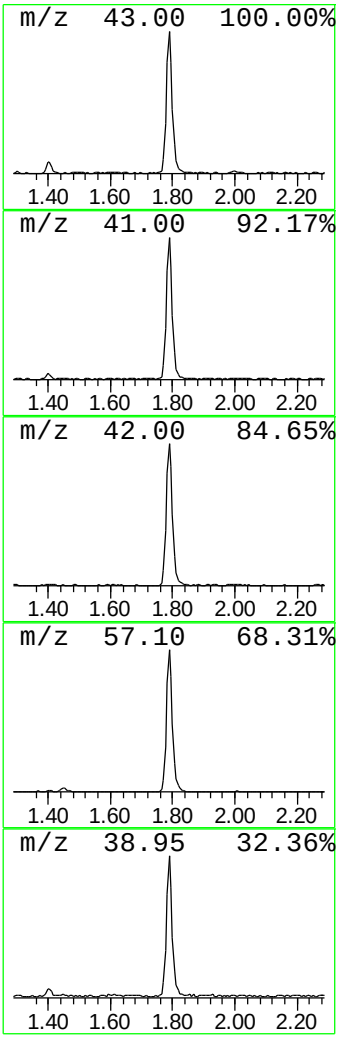
****

Peak Number 2 Butane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	13.96 ug/l	222130	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	3-Buten-1-ol	72	C4H8O	000627-27-0	37
3	Pentane	72	C5H12	000109-66-0	33
4	1-Butene	56	C4H8	000106-98-9	10
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070518\
Data File : VX003173.D
Acq On : 05 Jul 2018 15:40
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S10-0143

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

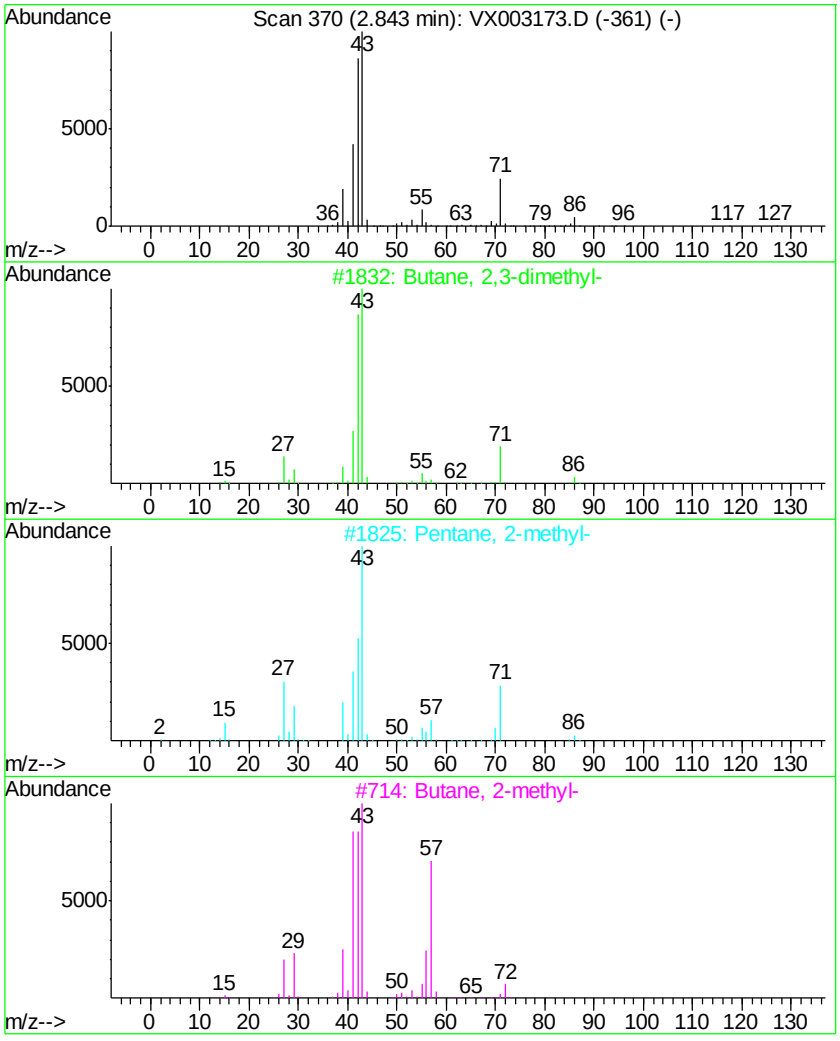
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

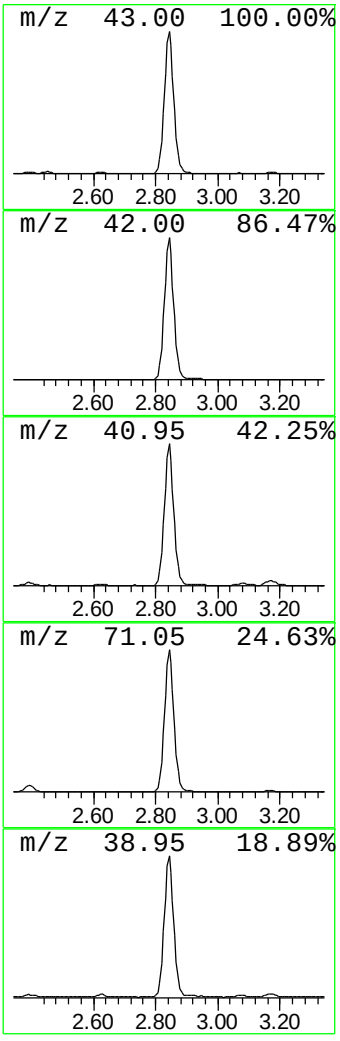
****

Peak Number 3 Butane, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.84	52.65 ug/l	837840	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	Butane, 2-methyl-	72	C5H12	000078-78-4	36
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	28
5	Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	16





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070518\
Data File : VX003173.D
Acq On : 05 Jul 2018 15:40
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S10-0143

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

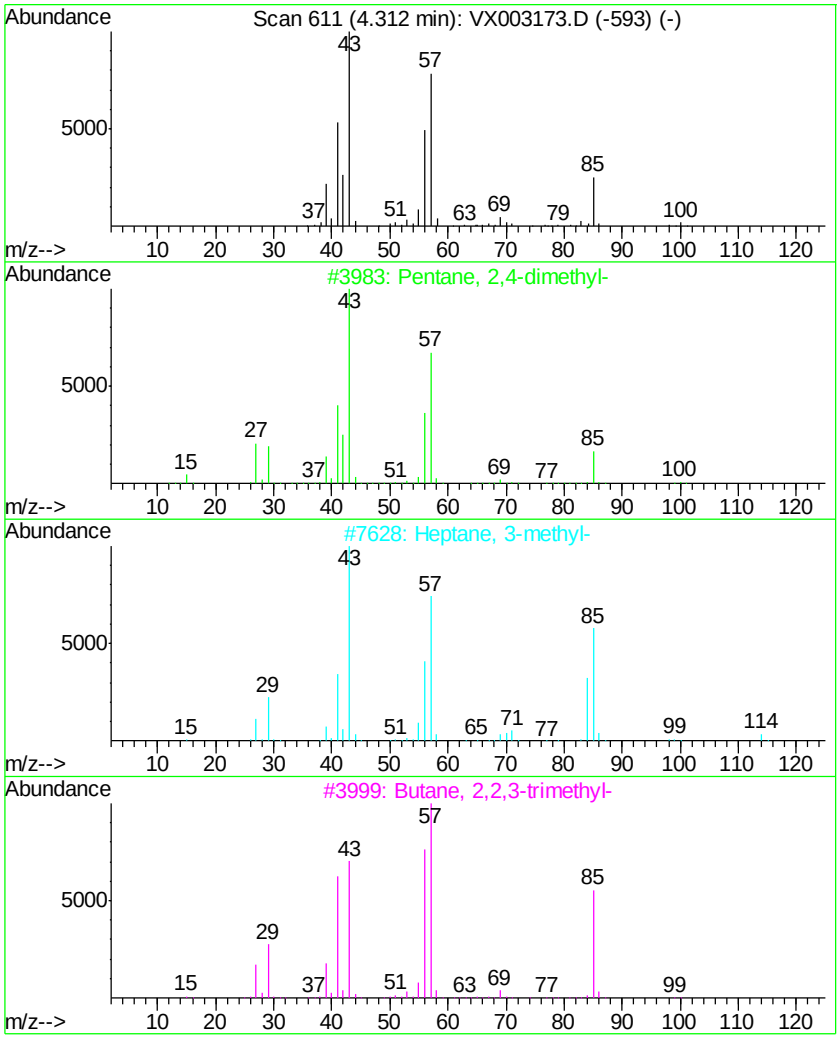
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

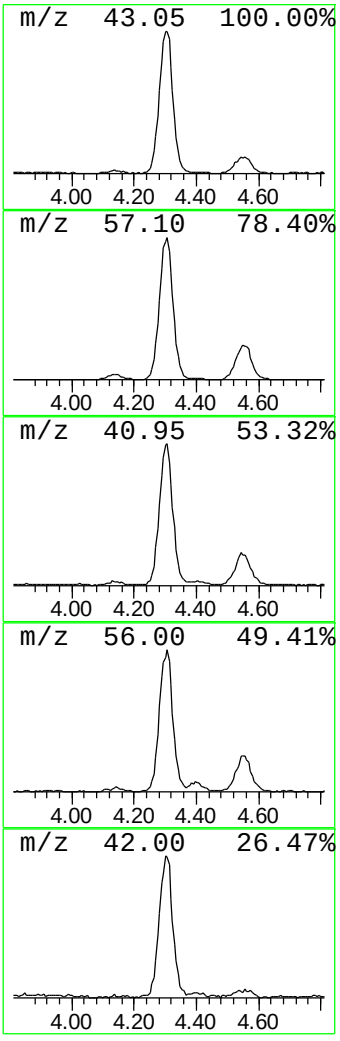
****

Peak Number 4 Pentane, 2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.31	21.03 ug/l	334602	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	86
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	72
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
4	n-Hexane	86	C6H14	000110-54-3	53
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070518\
Data File : VX003173.D
Acq On : 05 Jul 2018 15:40
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S10-0143

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

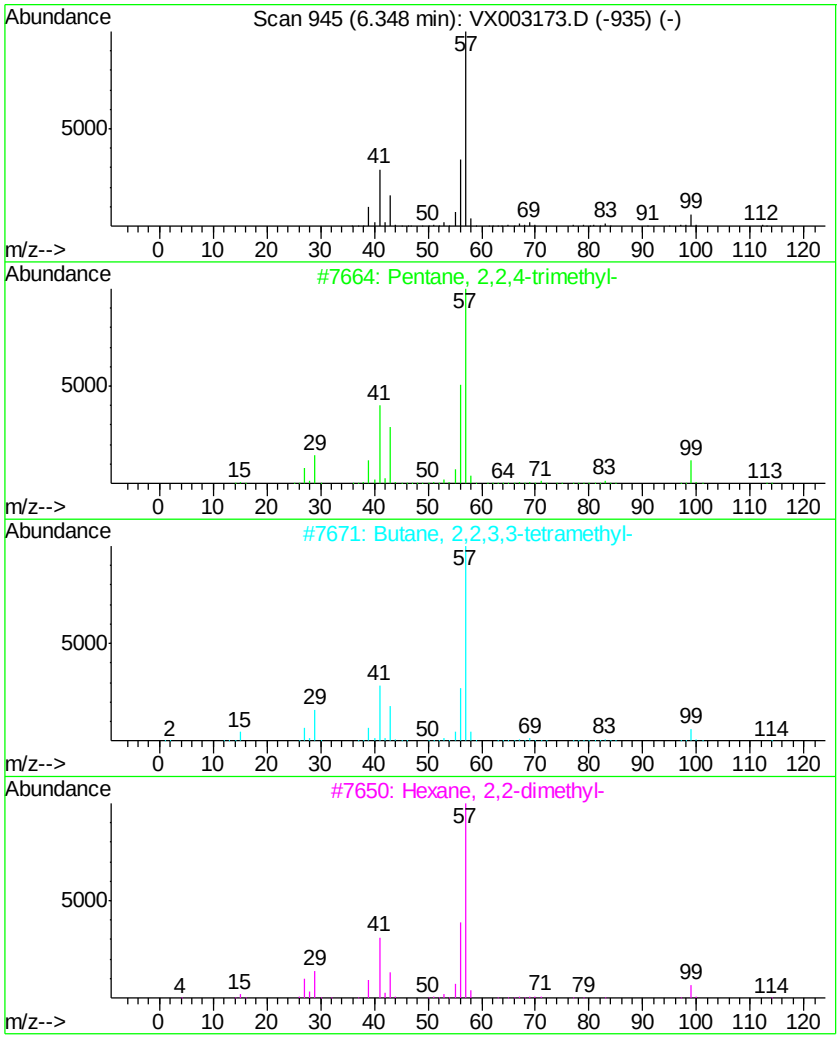
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

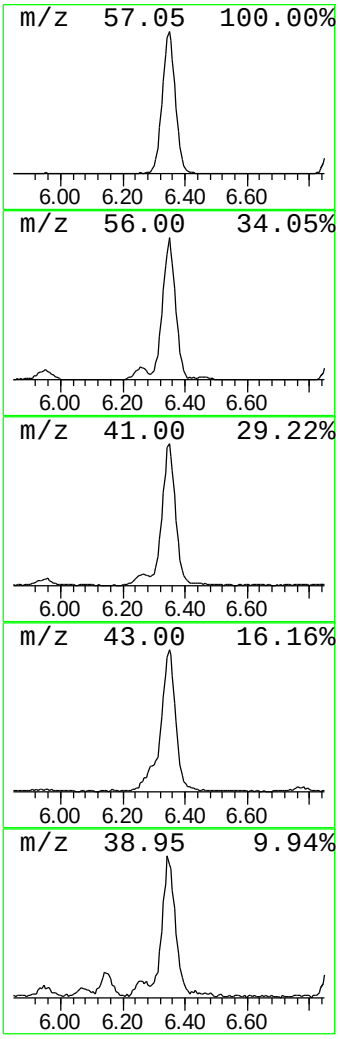
****

Peak Number 6 Pentane, 2,2,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	26.23 ug/l	466458	1,4-Difluorobenzene	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070518\
Data File : VX003173.D
Acq On : 05 Jul 2018 15:40
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S10-0143

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

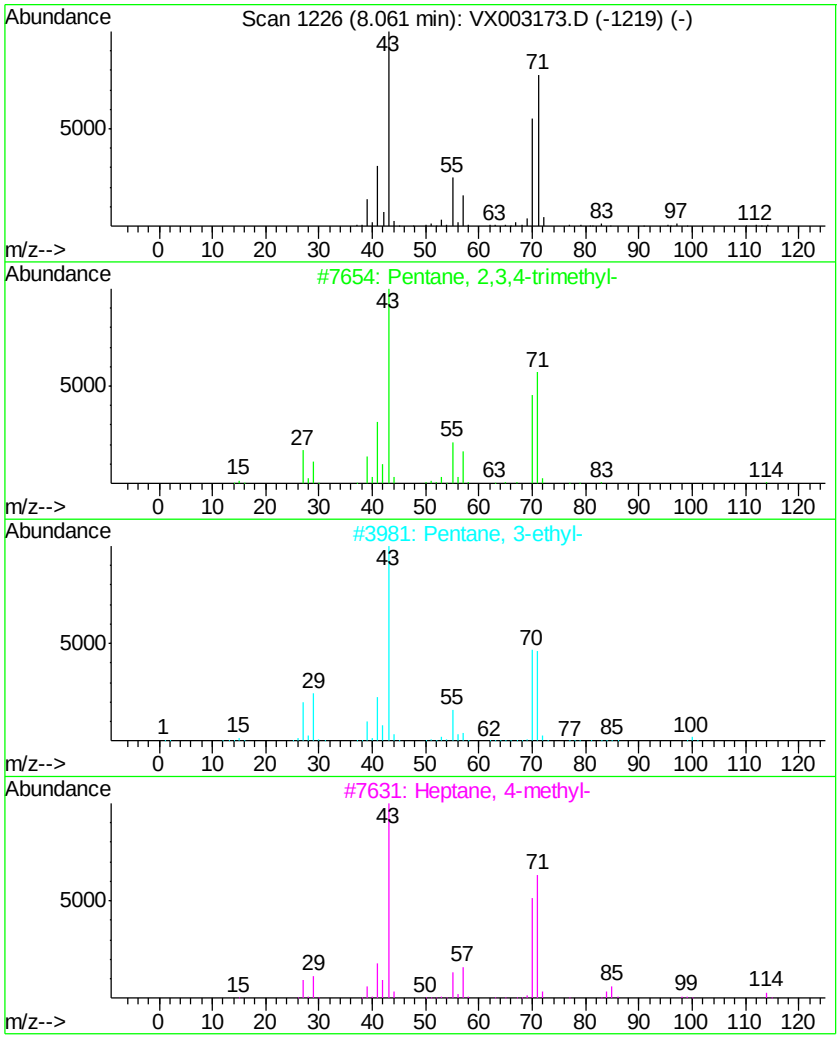
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

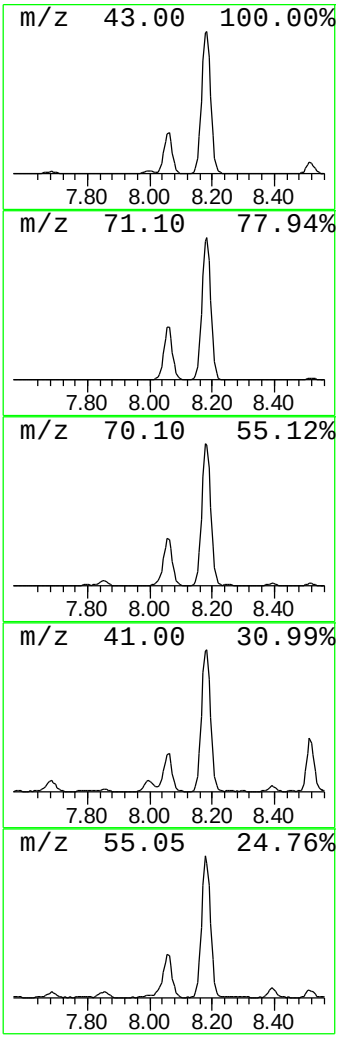
****

Peak Number 7 Pentane, 2,3,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	12.42 ug/l	220807	1,4-Difluorobenzene	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64
5	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070518\
Data File : VX003173.D
Acq On : 05 Jul 2018 15:40
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S10-0143

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

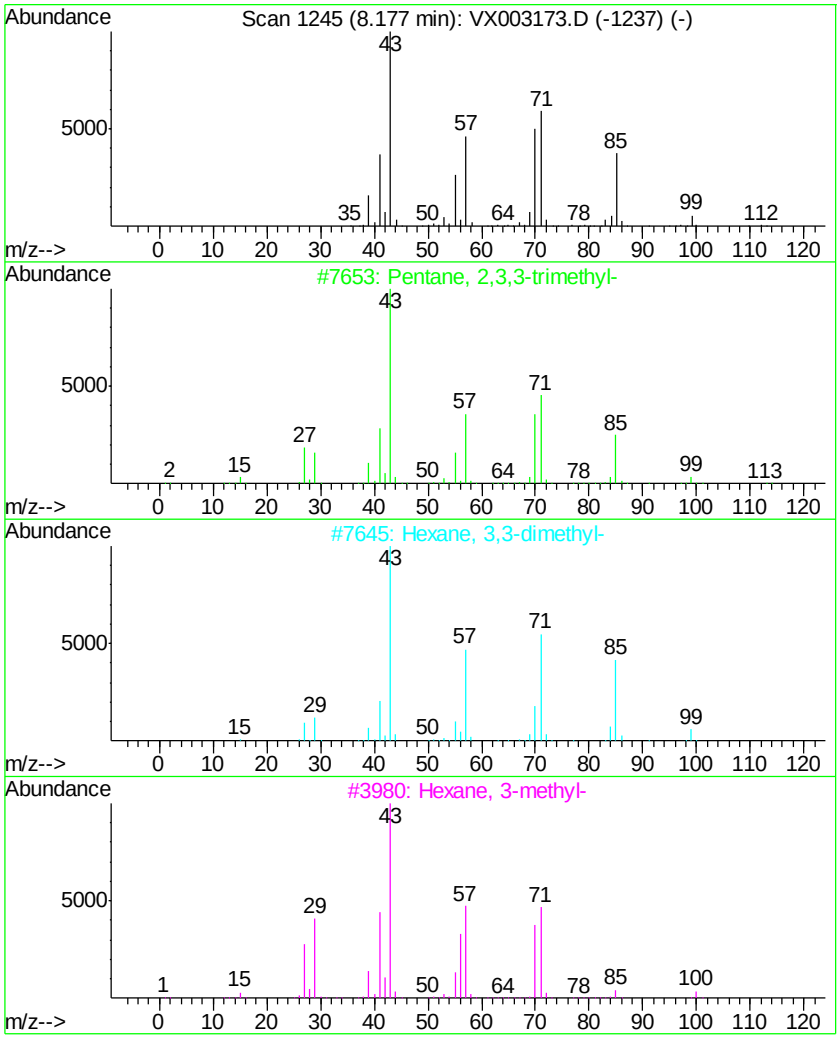
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

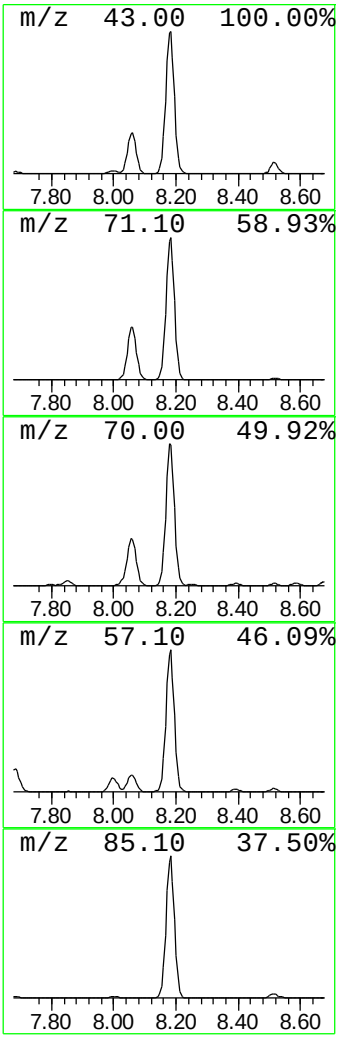
****

Peak Number 8 Pentane, 2,3,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	47.66 ug/l	847445	1,4-Difluorobenzene	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	58
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070518\
Data File : VX003173.D
Acq On : 05 Jul 2018 15:40
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S10-0143

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

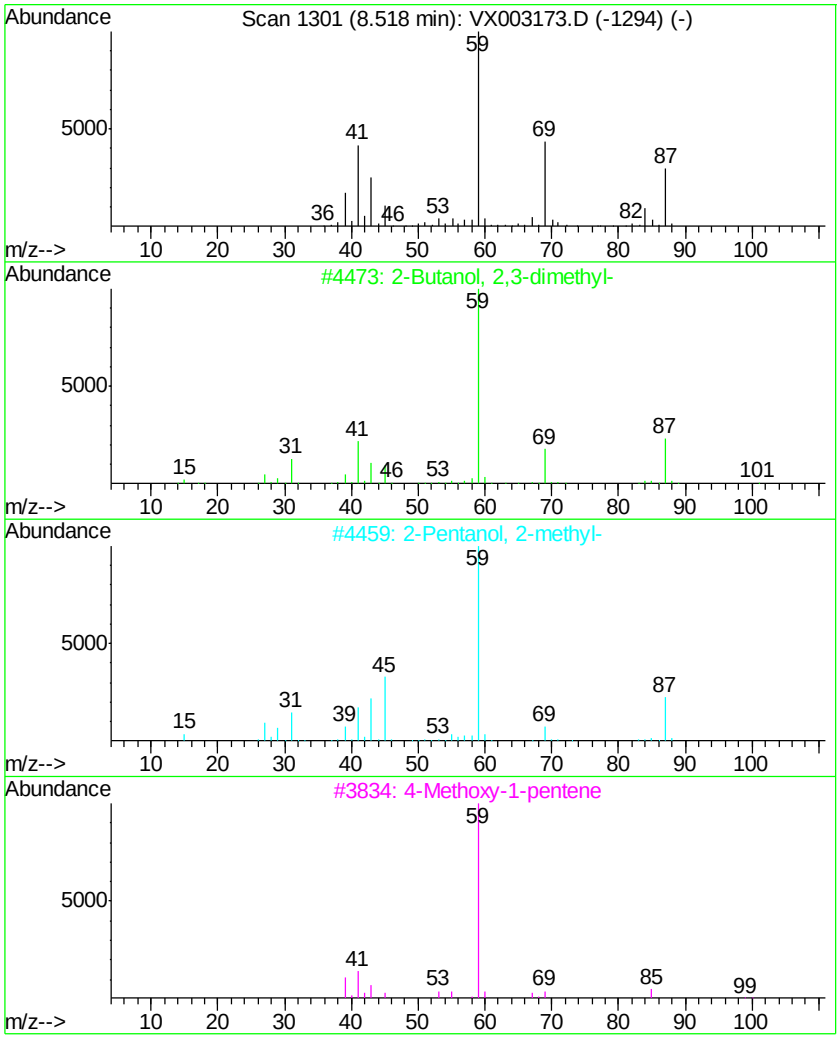
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

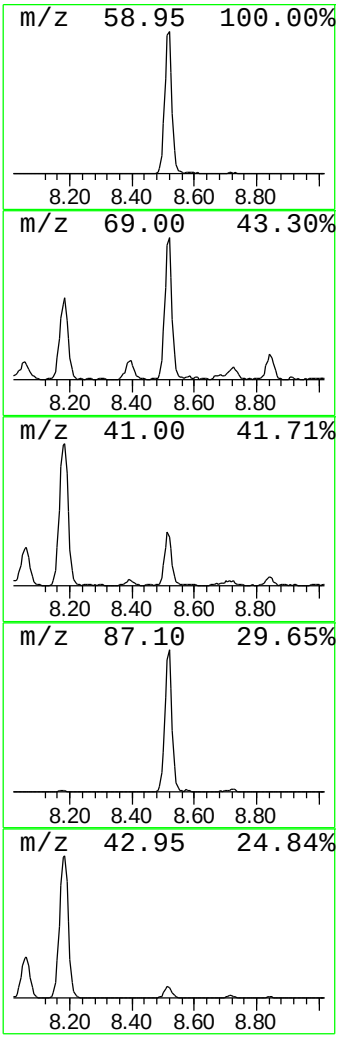
****

Peak Number 9 2-Butanol, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	7.89 ug/l	168006	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	78
2	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	64
3	4-Methoxy-1-pentene	100	C6H12O	098386-09-5	40
4	3-Heptanol	116	C7H16O	000589-82-2	38
5	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070518\
Data File : VX003173.D
Acq On : 05 Jul 2018 15:40
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S10-0143

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260

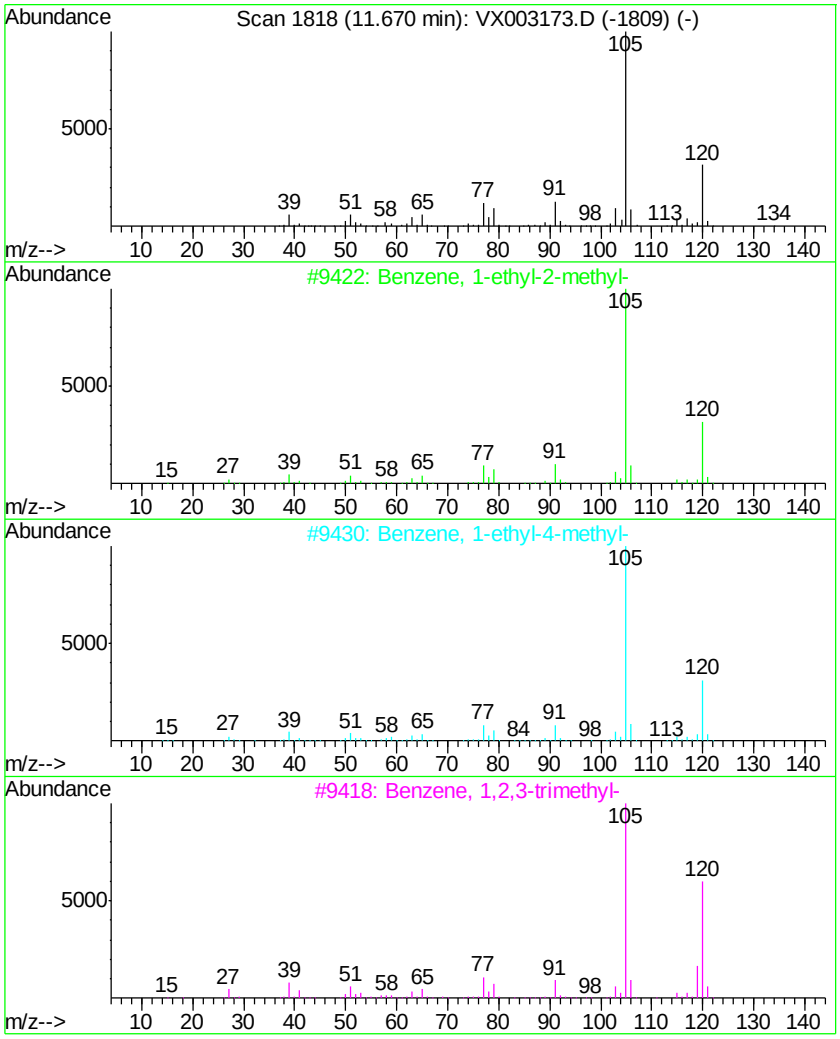
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

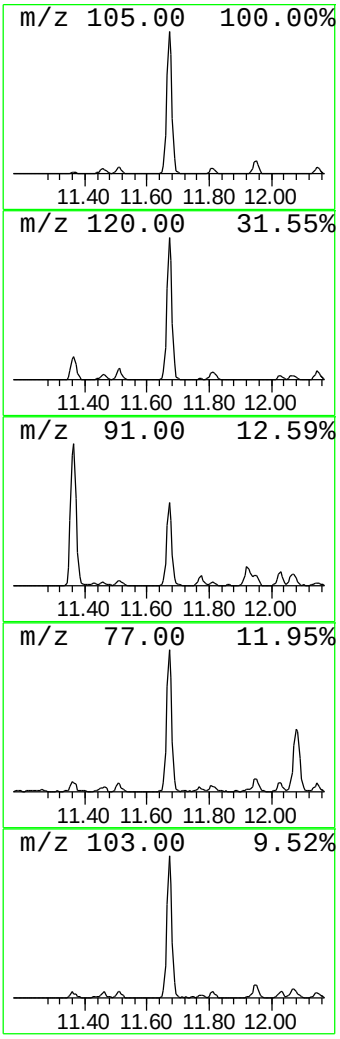
****

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	15.83 ug/l	372317	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	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070518\
Data File : VX003173.D
Acq On : 05 Jul 2018 15:40
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S10-0143

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.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
Butane, 2-methyl-	1.79	14.0	ug/l	222130	1	5.67	795678	50.0
Butane, 2,3-dimet...	2.84	52.6	ug/l	837840	1	5.67	795678	50.0
Pentane, 2,4-dime...	4.31	21.0	ug/l	334602	1	5.67	795678	50.0
Pentane, 2,2,4-tr...	6.35	26.2	ug/l	466458	2	6.87	889094	50.0
Pentane, 2,3,4-tr...	8.06	12.4	ug/l	220807	2	6.87	889094	50.0
Pentane, 2,3,3-tr...	8.18	47.7	ug/l	847445	2	6.87	889094	50.0
2-Butanol, 2,3-di...	8.52	7.9	ug/l	168006	3	10.12	1065140	50.0
Benzene, 1-ethyl-...	11.67	15.8	ug/l	372317	4	12.08	1176030	50.0