LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-8

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\82X080618W.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	69	80	94	rBV	1432698	1884753	100.00%	10.575%
2	1.337	118	123	129	rBV3	24122	76240	4.05%	0.428%
3	1.794	193	198	210	rVB	50215	81243	4.31%	0.456%
4	2.398	291	297	309	rVB3	16189	34545	1.83%	0.194%
5	2.599	323	330	340	rVB	15669	31068	1.65%	0.174%
6	2.849	363	371	376	rBV	61759	138500	7.35%	0.777%
7	2.934	381	385	394	rVB	33369	69911	3.71%	0.392%
8	3.044	394	403	417	rBV	266003	604160	32.06%	3.390%
9	3.196	417	428	443	rVB	249879	632437	33.56%	3.549%
10	3.867	526	538	550	rBV2	13651	40106	2.13%	0.225%
11	4.312	603	611	618	rBV3	8586	24207	1.28%	0.136%
12	4.404	618	626	641	rVB3	27629	91847	4.87%	0.515%
13	5.300	768	773	790	rVB5	7709	27318	1.45%	0.153%
14	5.507	795	807	816	rBV	207301	592599	31.44%	3.325%
15	5.666	824	833	860	rVB	278839	853305	45.27%	4.788%
16	5.934	868	877	889	rVB7	8934	32614	1.73%	0.183%
17	6.074	889	900	906	rBV	218078	563625	29.90%	3.162%
18	6.147	906	912	924	rVB	121165	310897	16.50%	1.744%
19	6.385	924	951	959	rBV3	137464	510490	27.09%	2.864%
20	6.867	1019	1030	1041	rBV	439854	1036027	54.97%	5.813%
21	7.452	1115	1126	1139	rBV5	27447	82411	4.37%	0.462%
22	7.964	1198	1210	1218	rBV5	6887	28909	1.53%	0.162%
23	8.055	1218	1225	1234	rVB	52762	107987	5.73%	0.606%
24	8.177	1237	1245	1256	rBV2	92851	220190	11.68%	1.235%
25	8.513	1294	1300	1306	rBV	41034	73221	3.88%	0.411%
26	8.586	1306	1312	1320	rVB	115345	187666	9.96%	1.053%
27	8.720	1321	1334	1340	rBV	1123019	1750603	92.88%	9.822%
28	8.787	1340	1345	1351	rVB	145484	221664	11.76%	1.244%
29	8.915	1358	1366	1374	rBV	130305	207602	11.01%	1.165%
30	9.226	1412	1417	1427	rVB	14574	27811	1.48%	0.156%
31	9.519	1457	1465	1469	rBV2	28062	48316	2.56%	0.271%
32	9.634	1478	1484	1493	rVB3	22765	40226	2.13%	0.226%
33	10.116	1552	1563	1568	rBV	940029	1355979	71.94%	7.608%
34	10.165	1568	1571	1574	rVV	28329	43221	2.29%	0.243%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-8

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\82X080618W.M
Title : SW846 8260

35	10.207	1574	1578	1581	rVV	113571	149083	7.91%	0.836%
36	10.256	1581	1586	1590	rVV	362587	485882	25.78%	2.726%
37	10.311	1590	1595	1598	rVV3	21696	43637	2.32%	0.245%
38	10.360	1598	1603	1609	rVB	284751	373842	19.84%	2.098%
39	10.701	1654	1659	1666	rVB	118053	153964	8.17%	0.864%
40	10.848	1677	1683	1690	rBV2	31536	65191	3.46%	0.366%
41	10.957	1695	1701	1705	rVV4	13433	25835	1.37%	0.145%
42	11.018	1705	1711	1716	rVV	87342	121576	6.45%	0.682%
43	11.140	1725	1731	1736	rVV	974221	1185399	62.89%	6.651%
44	11.226	1740	1745	1751	rVB2	33814	71403	3.79%	0.401%
45	11.329	1757	1762	1764	rBV	39016	52188	2.77%	0.293%
46	11.360	1764	1767	1772	rVV	83297	114379	6.07%	0.642%
47	11.439	1775	1780	1781	rVV	67031	88003	4.67%	0.494%
48	11.457	1781	1783	1787	rVV	62949	68830	3.65%	0.386%
49	11.506	1787	1791	1798	rVB	39882	59789	3.17%	0.335%
50	11.671	1810	1818	1823	rBV	104480	133087	7.06%	0.747%
51	11.811	1836	1841	1846	rBV	241654	293799	15.59%	1.648%
52	11.921	1854	1859	1862	rBV2	46479	73939	3.92%	0.415%
53	12.079	1880	1885	1891	rBV	1164024	1411099	74.87%	7.918%
54	12.146	1891	1896	1903	rBV	84595	119596	6.35%	0.671%
55	12.299	1914	1921	1929	rBV	226858	314372	16.68%	1.764%
56	12.372	1929	1933	1943	rVB2	27218	48550	2.58%	0.272%
57	12.463	1943	1948	1953	rBV2	13550	19508	1.04%	0.109%
58	12.518	1953	1957	1963	rVB	21287	27716	1.47%	0.156%
59	12.585	1963	1968	1971	rBV	15084	22427	1.19%	0.126%
60	12.670	1977	1982	1985	rBV2	18442	23093	1.23%	0.130%
61	12.756	1992	1996	2004	rVB2	24453	39794	2.11%	0.223%
62	12.902	2013	2020	2025	rVB3	14181	22966	1.22%	0.129%
63	12.981	2025	2033	2036	rBV2	17326	30153	1.60%	0.169%
64	13.018	2036	2039	2046	rVB	21462	26944	1.43%	0.151%
65	13.353	2089	2094	2099	rVB2	41318	56093	2.98%	0.315%
66	13.835	2165	2173	2179	rBV	53012	68578	3.64%	0.385%

Sum of corrected areas: 17822413

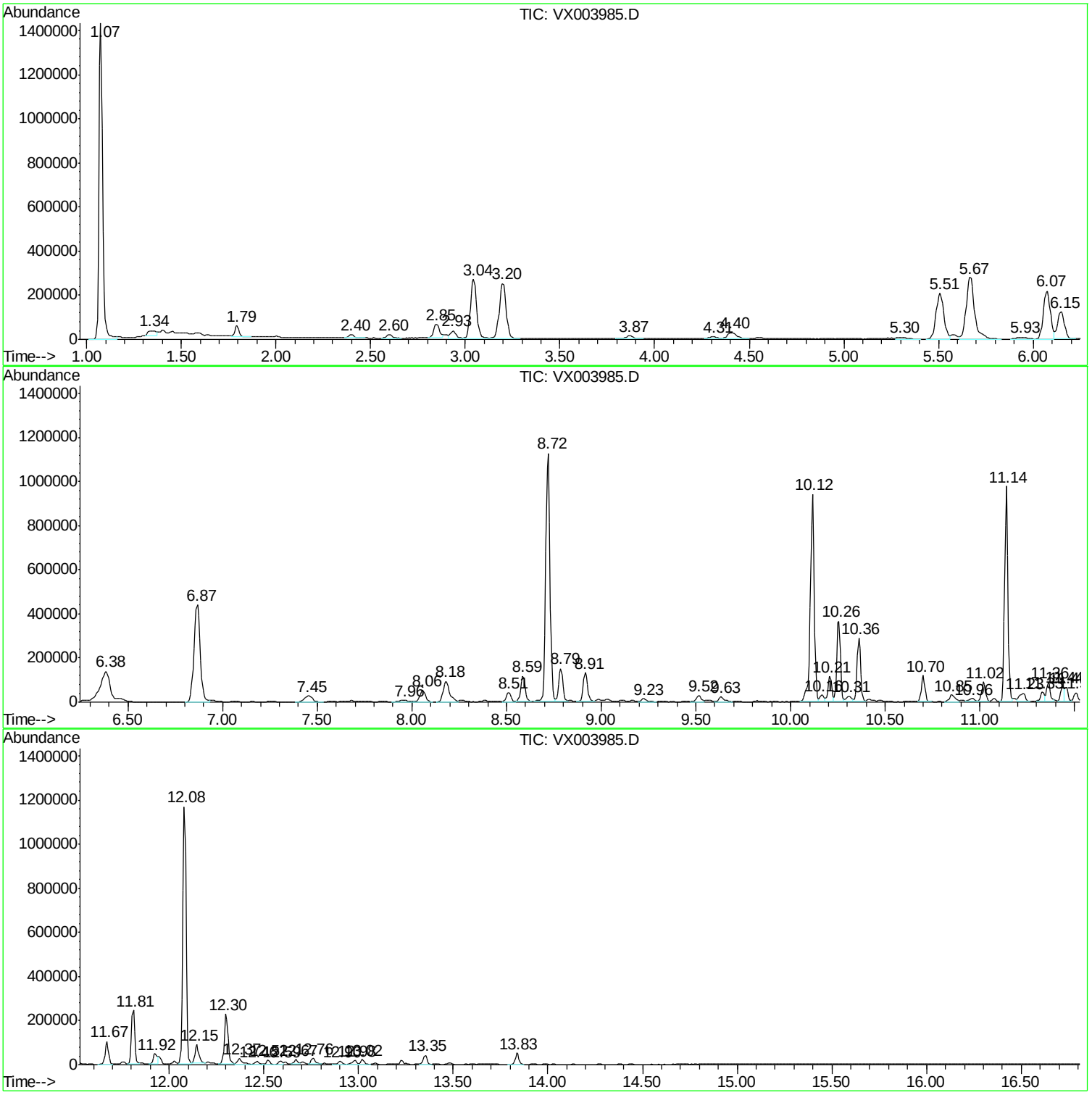
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

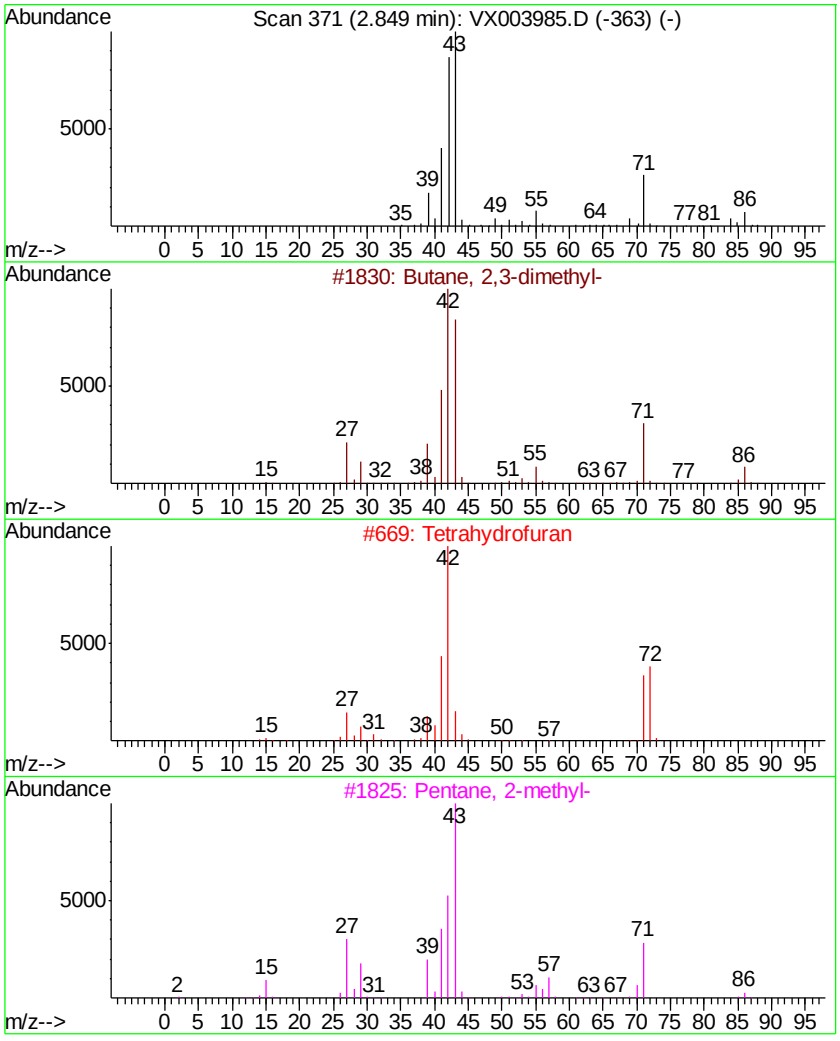
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

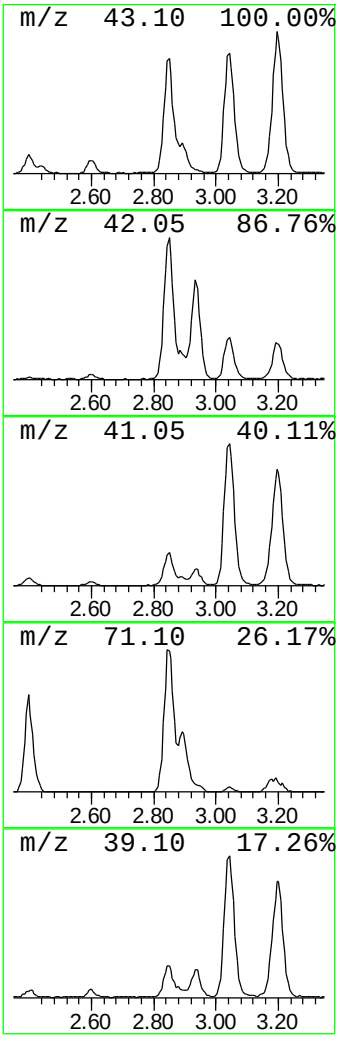
****

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.85	8.12 ug/l	138500	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	87
2	Tetrahydrofuran	72	C4H8O	000109-99-9	28
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	25
4	C2H5C(CH3)2COCH3	114	C7H14O	020669-04-9	10
5	3-Aminopyrrolidine	86	C4H10N2	079286-79-6	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

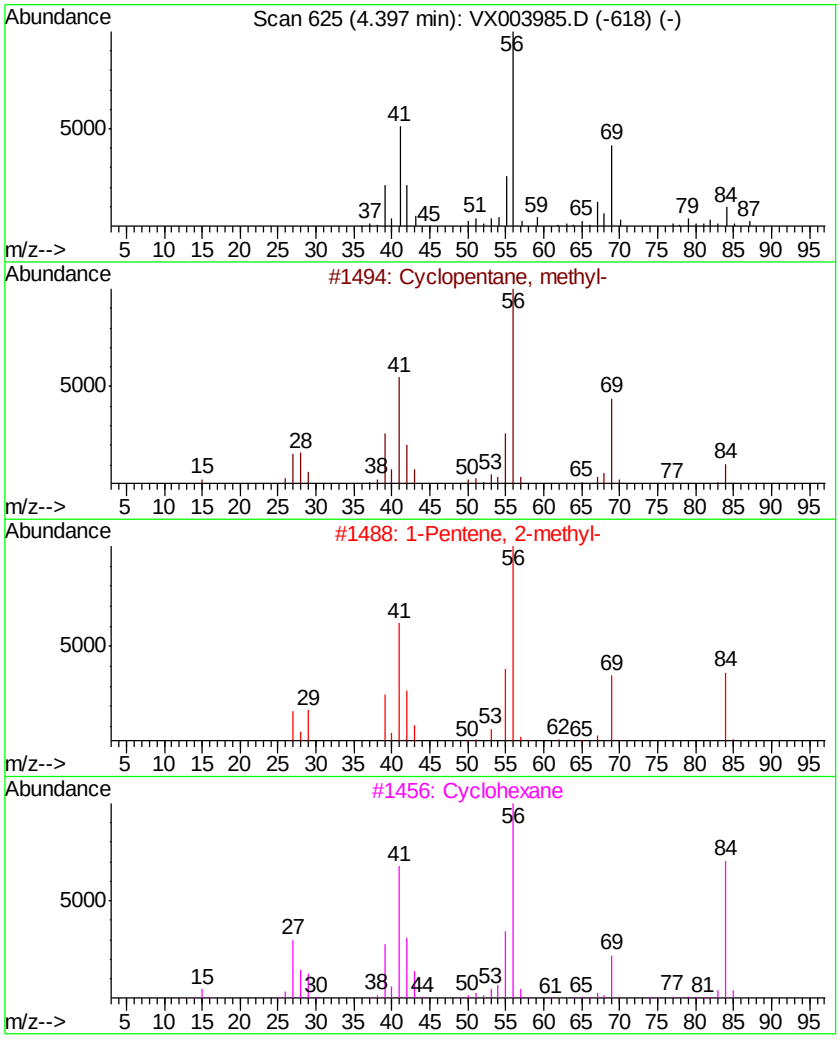
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

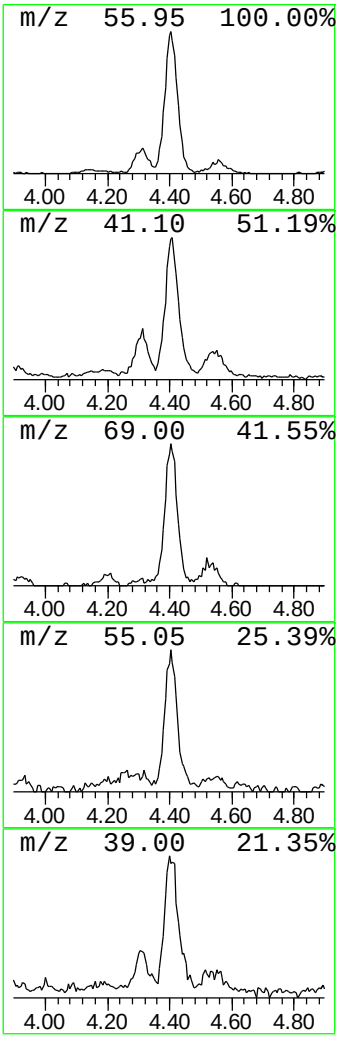
****

Peak Number 3 Cyclopentane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	5.38 ug/l	91847	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
3	Cyclohexane	84	C6H12	000110-82-7	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	59
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

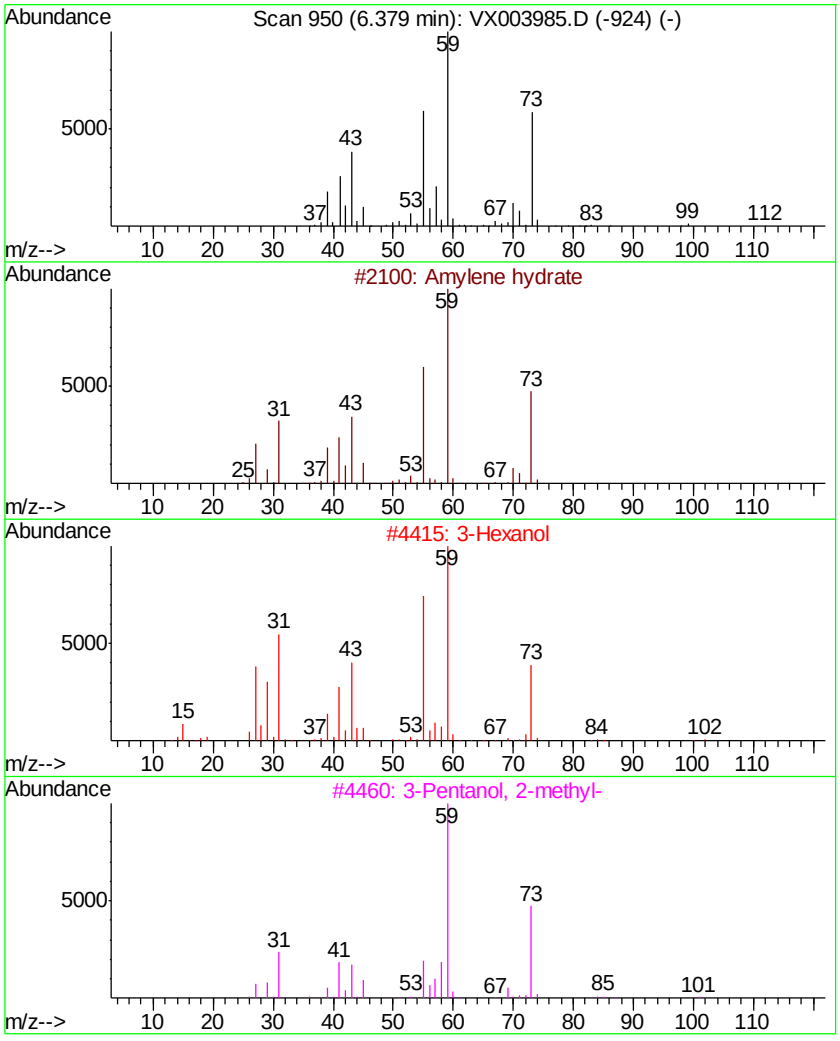
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

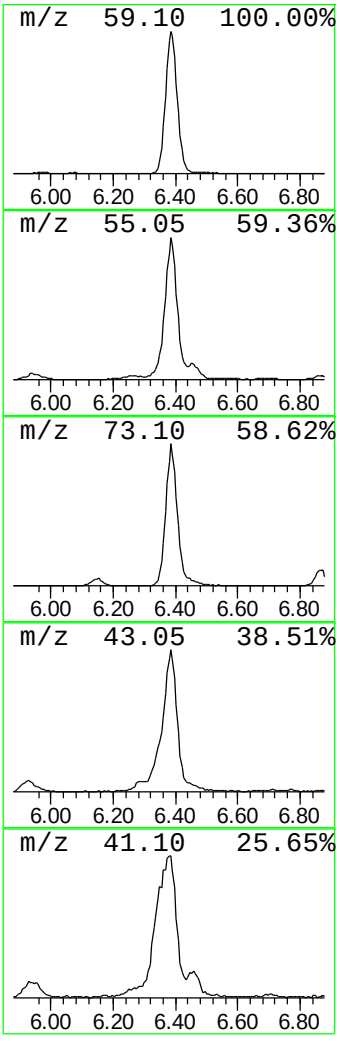
****

Peak Number 4 Amylene hydrate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	24.64 ug/l	510490	1,4-Difluorobenzene	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene hydrate	88	C5H12O	000075-85-4	78
2	3-Hexanol	102	C6H14O	000623-37-0	78
3	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	59
4	Propanoic acid, 2-hydroxy-2-methyl-	104	C4H8O3	000594-61-6	40
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

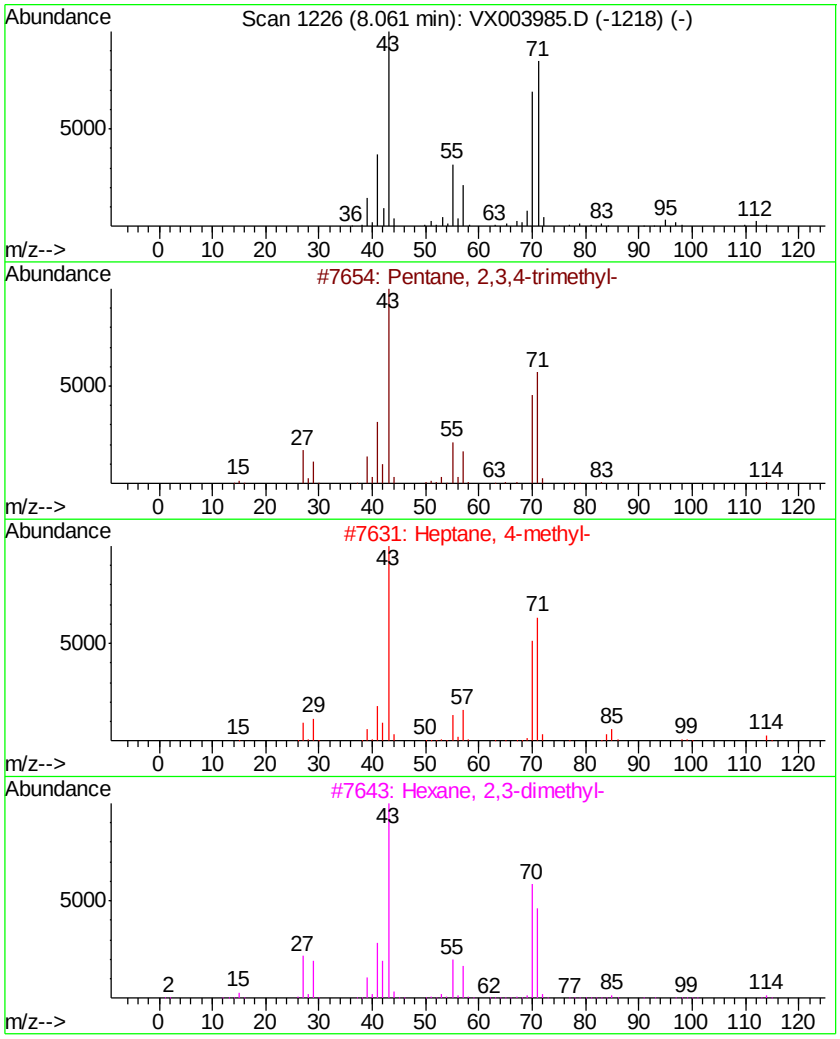
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

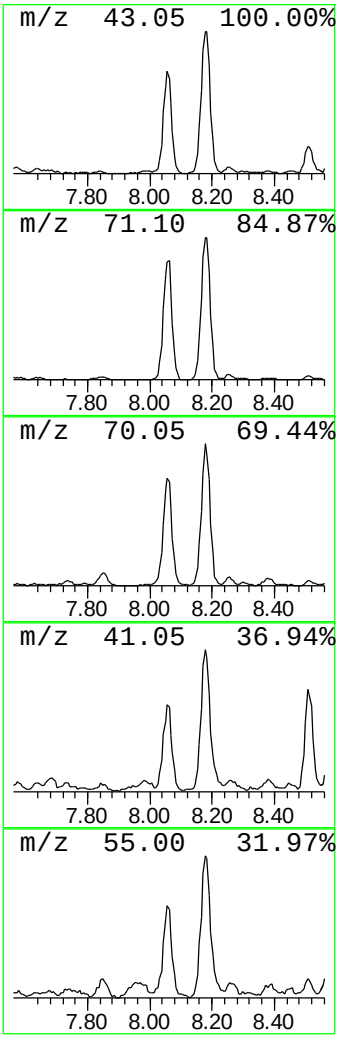
****

Peak Number 5 Pentane, 2,3,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	5.21 ug/l	107987	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	90
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	78
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

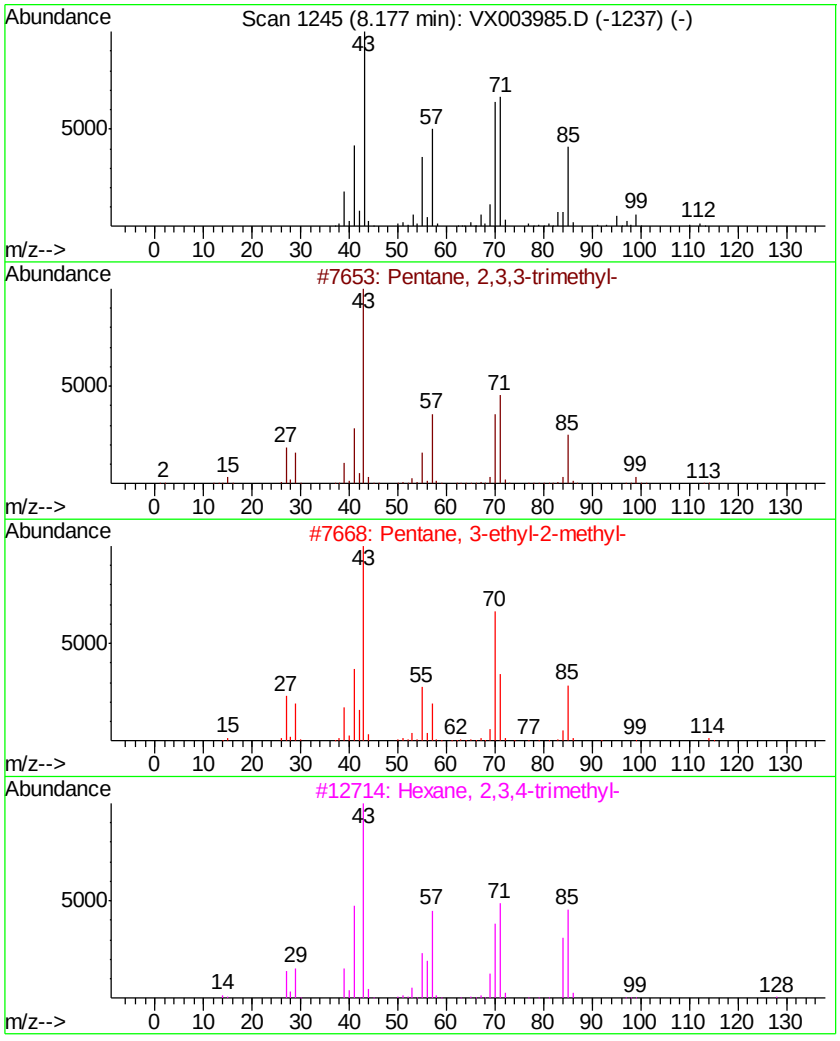
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

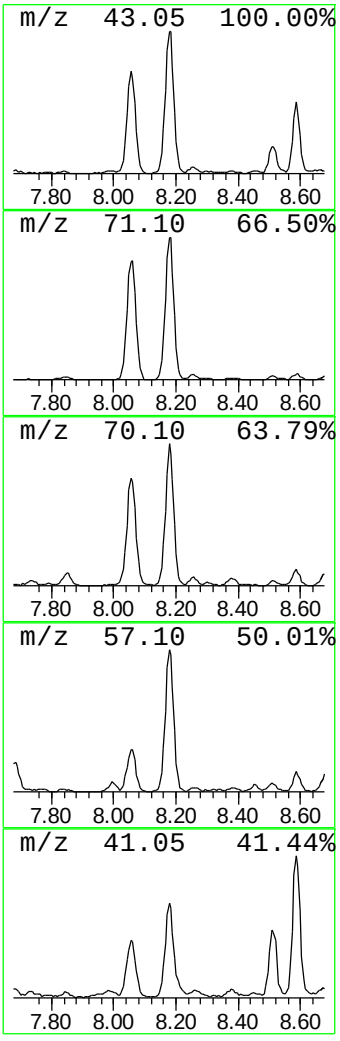
****

Peak Number 6 Pentane, 2,3,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	10.63 ug/l	220190	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	83
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5	Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

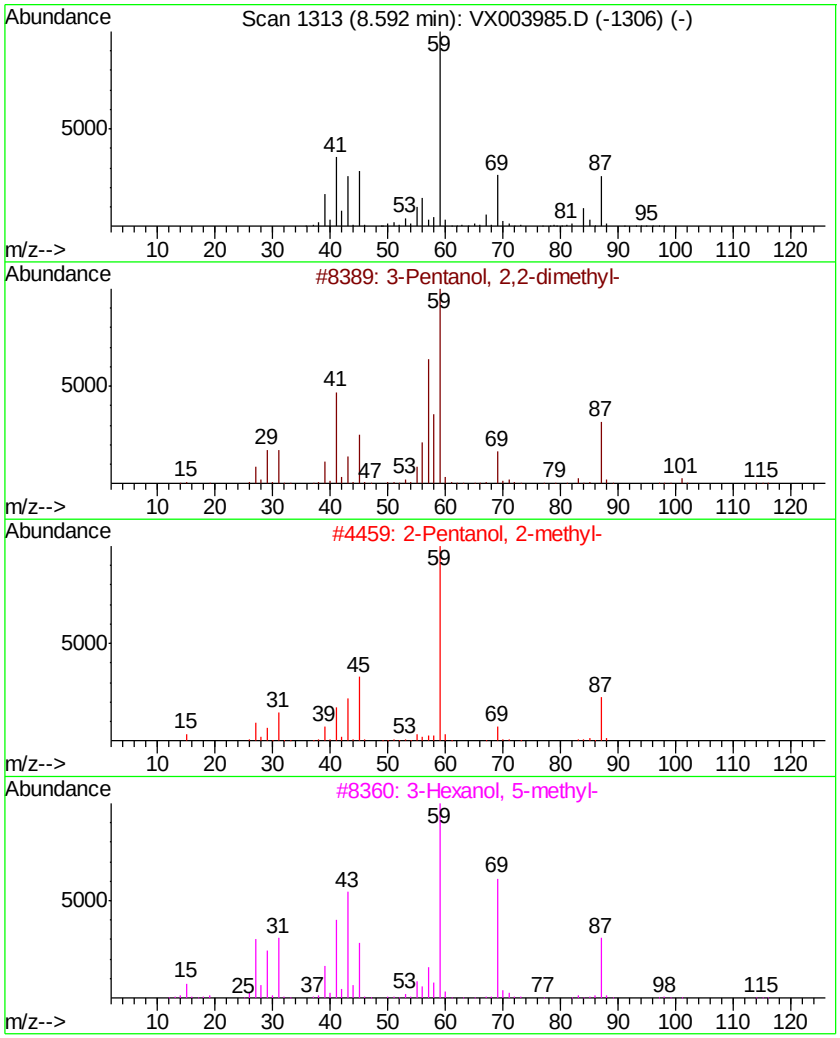
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

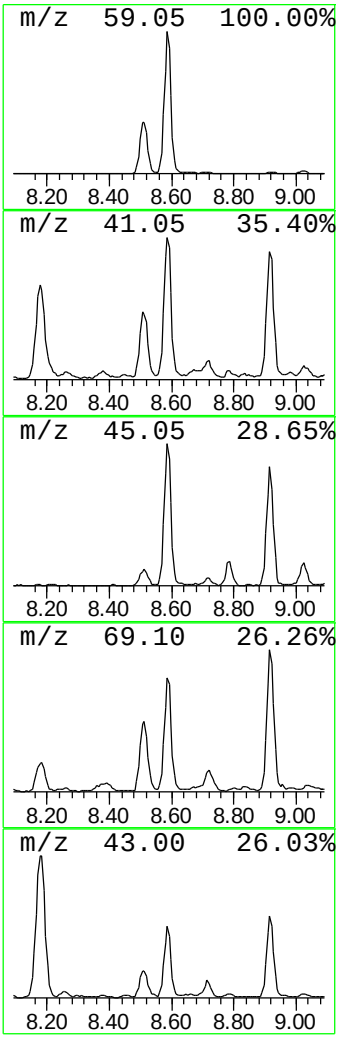
****

Peak Number 7 3-Pentanol, 2,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	6.92 ug/l	187666	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	72
2	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	72
3	3-Hexanol, 5-methyl-	116	C7H16O	000623-55-2	56
4	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	50
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

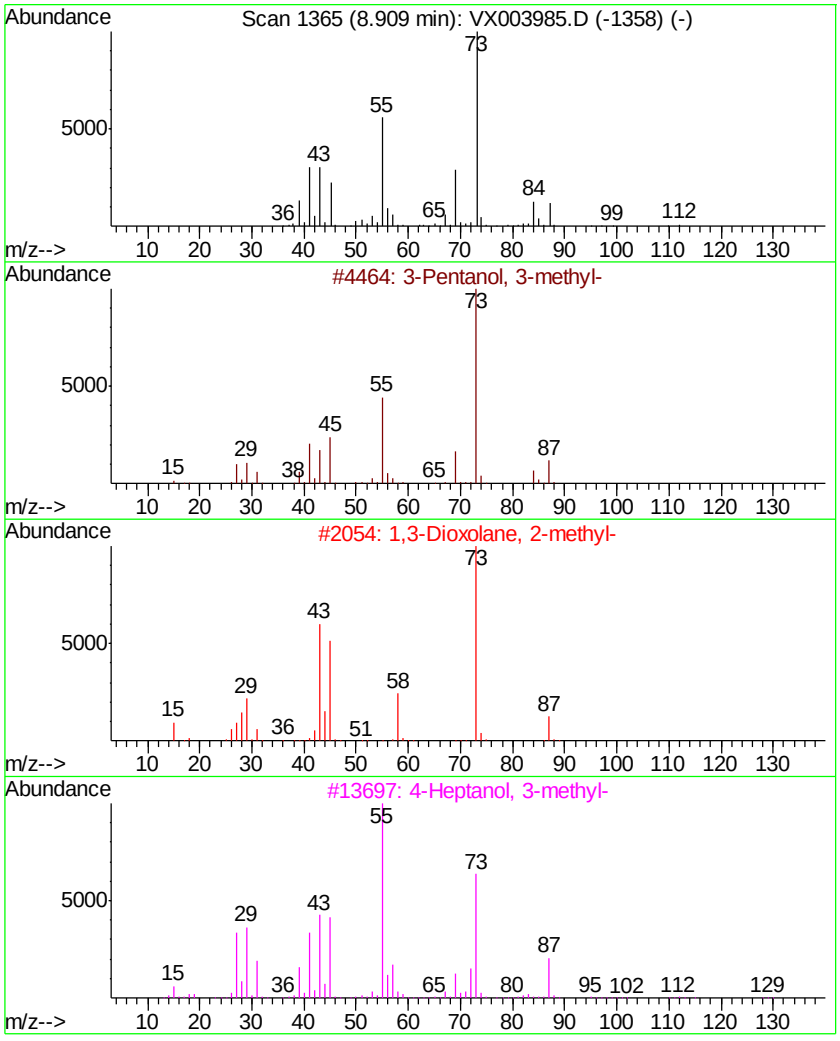
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

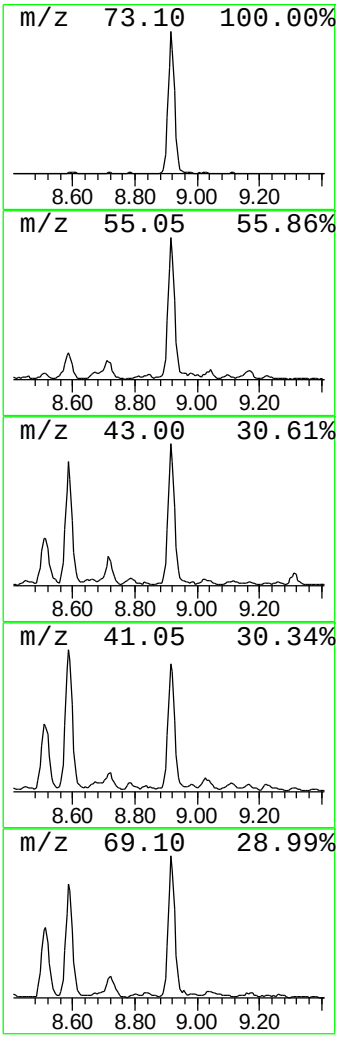
****

Peak Number 8 3-Pentanol, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	7.66 ug/l	207602	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	78
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	47
3	4-Heptanol, 3-methyl-	130	C8H18O	001838-73-9	42
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	37
5	3,4-Dimethyl-5-hexen-3-ol	128	C8H16O	001569-45-5	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260

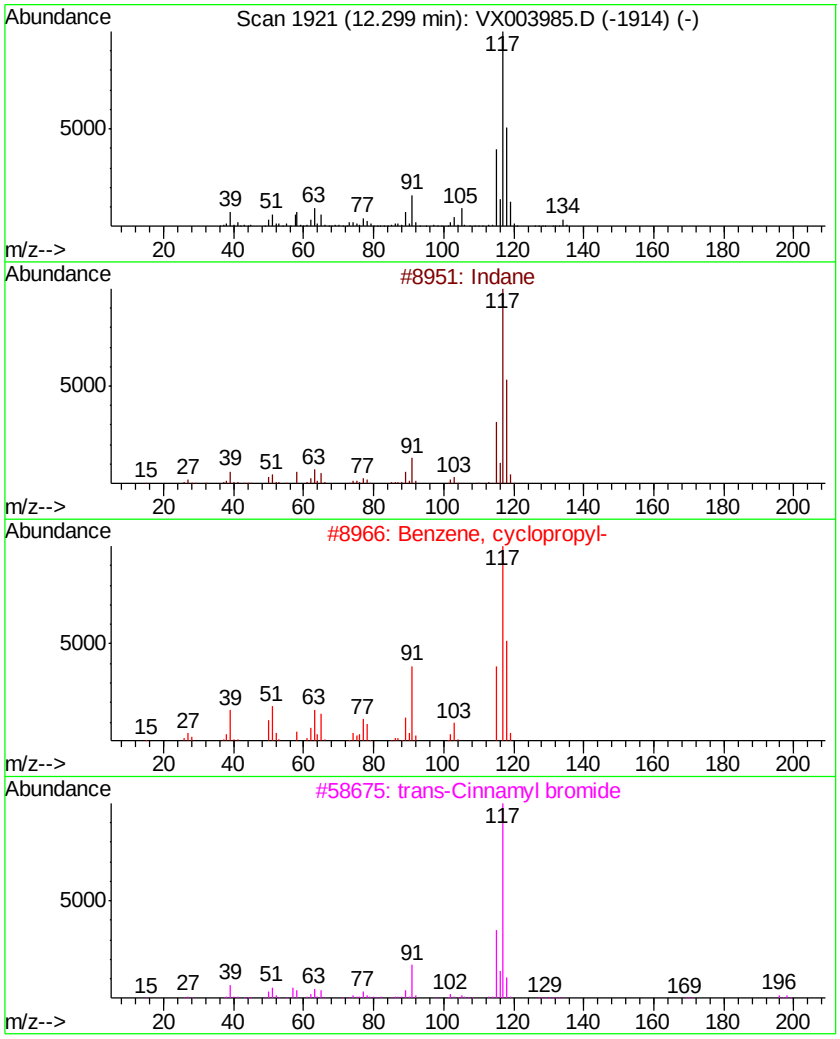
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

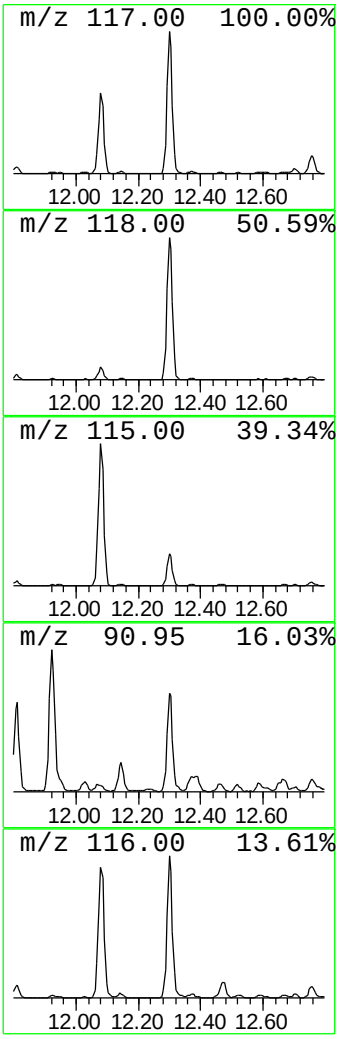
****

Peak Number 9 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	11.14 ug/l	314372	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
3	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	64
4	Deltacyclene	118	C9H10	007785-10-6	62
5	1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.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, 2,3-dimet...	2.85	8.1	ug/l	138500	1	5.67	853305	50.0
Cyclopentane, met...	4.40	5.4	ug/l	91847	1	5.67	853305	50.0
Amylene hydrate	6.38	24.6	ug/l	510490	2	6.87	1036030	50.0
Pentane, 2,3,4-tr...	8.06	5.2	ug/l	107987	2	6.87	1036030	50.0
Pentane, 2,3,3-tr...	8.18	10.6	ug/l	220190	2	6.87	1036030	50.0
3-Pentanol, 2,2-d...	8.59	6.9	ug/l	187666	3	10.12	1355980	50.0
3-Pentanol, 3-met...	8.91	7.7	ug/l	207602	3	10.12	1355980	50.0
Indane	12.30	11.1	ug/l	314372	4	12.08	1411100	50.0