LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041519\
Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS040MW319-190410

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\82X041519W.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	1.788	98	104	113	rBV	124789	180884	4.64%	0.703%
2	2.391	196	203	211	rBV	50683	105330	2.70%	0.409%
3	2.842	268	277	293	rBV	575088	1295314	33.19%	5.032%
4	3.172	323	331	342	rVB2	15986	41557	1.06%	0.161%
5	4.147	480	491	503	rVB3	13601	42984	1.10%	0.167%
6	4.312	503	518	533	rBV	401542	1229844	31.52%	4.778%
7	4.562	544	559	575	rBV2	37162	137205	3.52%	0.533%
8	5.238	658	670	685	rVB2	20770	74616	1.91%	0.290%
9	5.500	700	713	724	rBV	143040	414755	10.63%	1.611%
10	5.659	729	739	746	rVV	269500	792470	20.31%	3.079%
11	5.726	747	750	763	rVB2	120953	300124	7.69%	1.166%
12	5.952	775	787	797	rBV2	91917	289738	7.42%	1.126%
13	6.061	797	805	824	rVB	177661	464907	11.91%	1.806%
14	6.348	841	852	868	rVB	1290786	3902289	100.00%	15.160%
15	6.860	926	936	949	rBV	424784	1002704	25.70%	3.895%
16	7.451	1024	1033	1043	rVB	59202	139466	3.57%	0.542%
17	7.573	1043	1053	1060	rBV	101812	213085	5.46%	0.828%
18	7.683	1060	1071	1084	rVB	79417	193636	4.96%	0.752%
19	7.848	1090	1098	1107	rVB2	64851	133999	3.43%	0.521%
20	8.055	1122	1132	1143	rBV	783441	1550798	39.74%	6.025%
21	8.177	1143	1152	1160	rVV	1138572	2204892	56.50%	8.566%
22	8.256	1160	1165	1174	rVB	94273	170199	4.36%	0.661%
23	8.390	1180	1187	1193	rBV	49028	93346	2.39%	0.363%
24	8.713	1225	1240	1254	rBV2	926415	1772337	45.42%	6.885%
25	8.841	1254	1261	1266	rVV	213394	370473	9.49%	1.439%
26	9.036	1288	1293	1300	rVB	97008	160215	4.11%	0.622%
27	9.164	1305	1314	1319	rBV3	44979	81462	2.09%	0.316%
28	9.567	1374	1380	1385	rBV3	68296	110555	2.83%	0.430%
29	9.676	1393	1398	1402	rVV	82066	128064	3.28%	0.498%
30	9.713	1402	1404	1414	rVB3	27587	53266	1.36%	0.207%
31	9.890	1426	1433	1445	rVB3	40081	80390	2.06%	0.312%
32	10.109	1464	1469	1475	rBV	822095	1100735	28.21%	4.276%
33	10.182	1475	1481	1488	rVV	156028	233522	5.98%	0.907%
34	10.335	1500	1506	1515	rVV2	231652	387261	9.92%	1.505%

LSC Area Percent Report

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Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS040MW319-190410

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\82X041519W.M
Title : SW846 8260

35	10.439	1520	1523	1530	rVB3	36252	57066	1.46%	0.222%
36	10.512	1530	1535	1544	rVB	54875	80825	2.07%	0.314%
37	10.658	1545	1559	1564	rBV3	94333	208738	5.35%	0.811%
38	10.810	1576	1584	1585	rBV2	40534	74692	1.91%	0.290%
39	10.835	1585	1588	1595	rVB	119673	163085	4.18%	0.634%
40	10.914	1595	1601	1607	rBV3	71995	119480	3.06%	0.464%
41	11.066	1620	1626	1632	rVB2	42961	78625	2.01%	0.305%
42	11.134	1632	1637	1642	rBV	668615	842713	21.60%	3.274%
43	11.182	1642	1645	1649	rVV	53273	69671	1.79%	0.271%
44	11.280	1657	1661	1665	rVB2	50500	64775	1.66%	0.252%
45	11.670	1722	1725	1732	rVB2	49618	69652	1.78%	0.271%
46	11.768	1733	1741	1745	rBV	98349	126545	3.24%	0.492%
47	11.920	1760	1766	1768	rBV	101849	139319	3.57%	0.541%
48	11.944	1768	1770	1776	rVB	47769	55478	1.42%	0.216%
49	12.078	1786	1792	1798	rBV	779293	987525	25.31%	3.837%
50	12.231	1811	1817	1822	rBV	221214	267479	6.85%	1.039%
51	12.298	1822	1828	1833	rVV	156805	200850	5.15%	0.780%
52	12.365	1834	1839	1849	rVB2	58436	93774	2.40%	0.364%
53	12.456	1849	1854	1860	rBV	58279	75312	1.93%	0.293%
54	12.664	1880	1888	1891	rBV	453389	546352	14.00%	2.123%
55	12.700	1891	1894	1898	rVV	225491	280900	7.20%	1.091%
56	12.755	1898	1903	1910	rVV2	458754	701270	17.97%	2.724%
57	12.895	1918	1926	1931	rVV	103784	146968	3.77%	0.571%
58	12.975	1931	1939	1944	rVV	216173	286829	7.35%	1.114%
59	13.084	1952	1957	1963	rBV3	29356	45405	1.16%	0.176%
60	13.188	1971	1974	1978	rVV	32924	45570	1.17%	0.177%
61	13.249	1978	1984	1989	rVV2	25749	40297	1.03%	0.157%
62	13.340	1989	1999	2006	rVV2	171486	244134	6.26%	0.948%
63	13.639	2045	2048	2052	rVV2	42182	58387	1.50%	0.227%
64	13.700	2052	2058	2059	rVV2	34306	58792	1.51%	0.228%
65	13.718	2059	2061	2067	rVB2	46108	57220	1.47%	0.222%

Sum of corrected areas: 25740150

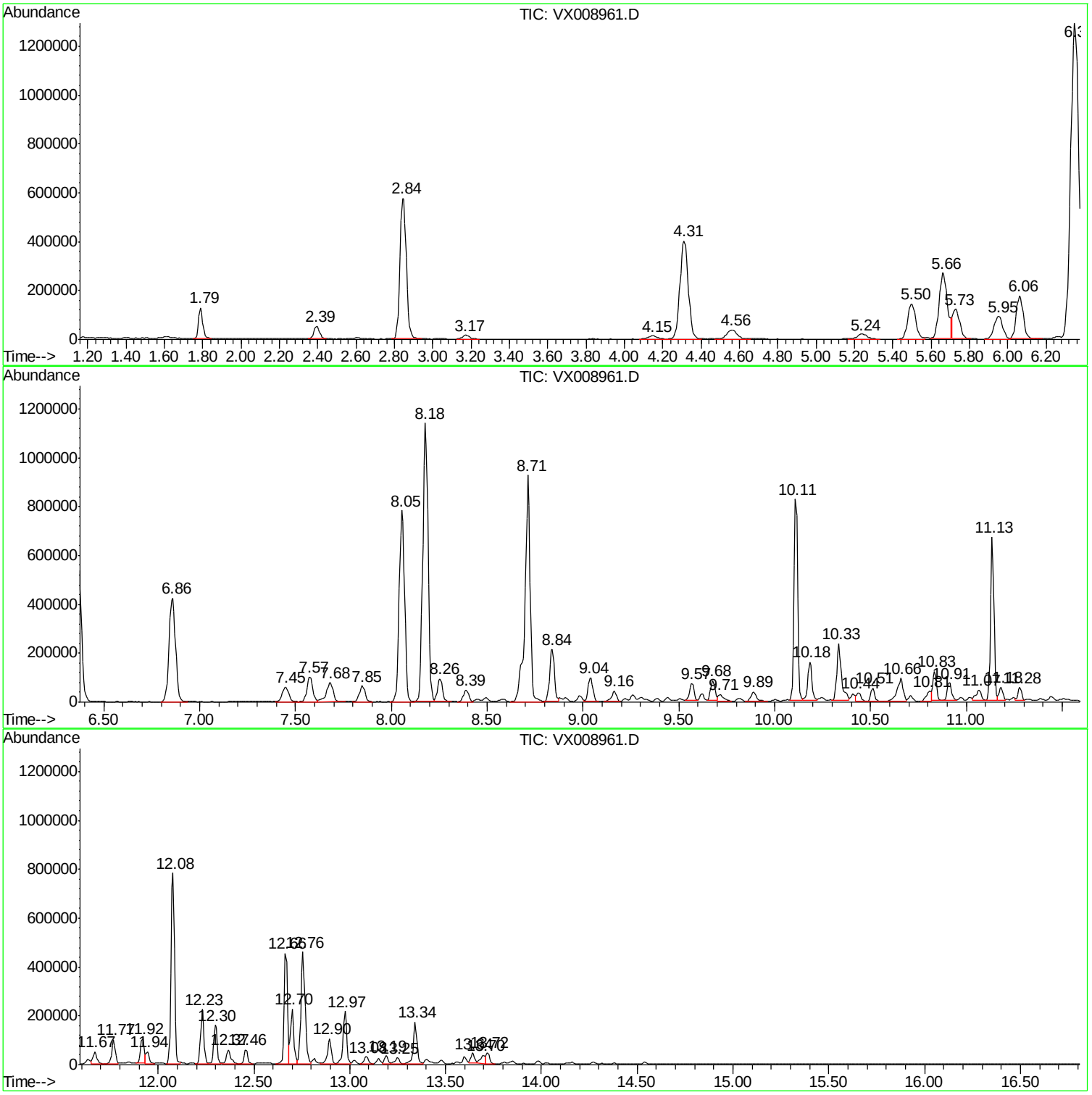
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041519\
Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS040MW319-190410

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041519\
Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS040MW319-190410

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260

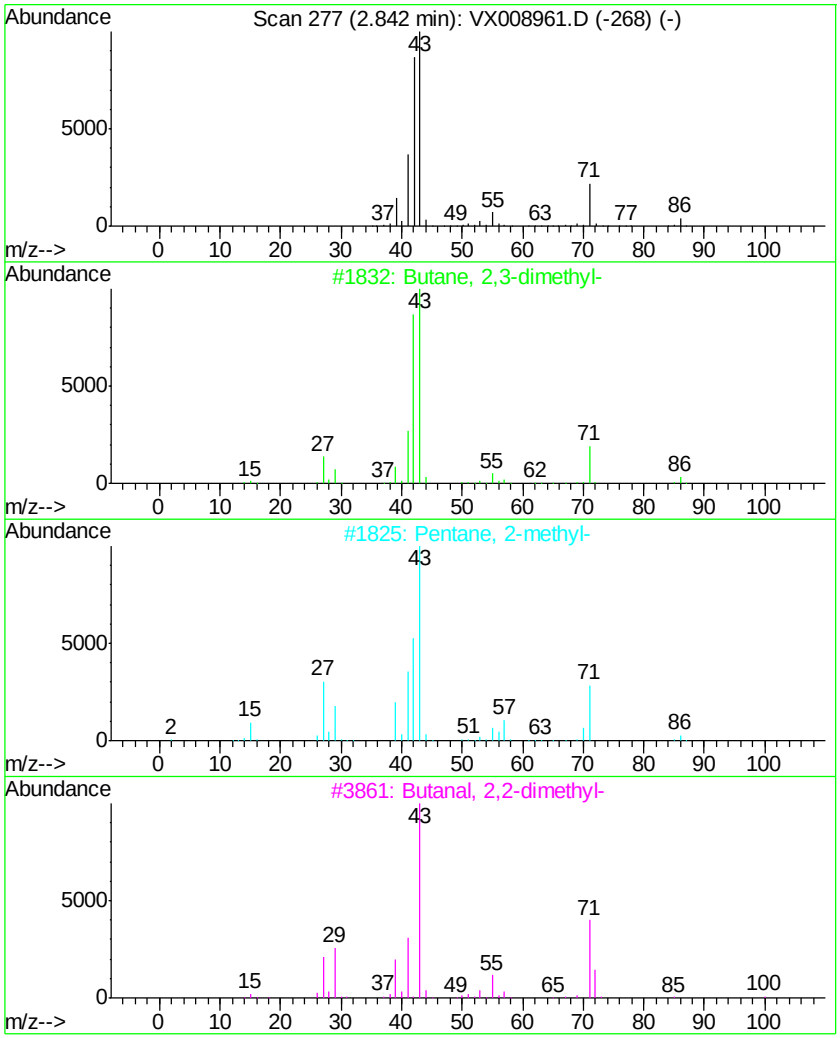
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

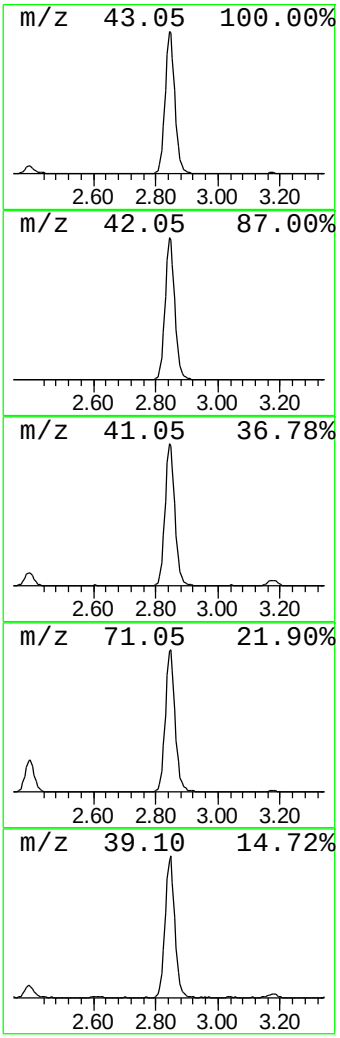
****

Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.84	81.73 ug/l	1295310	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	Butanal, 2,2-dimethyl-	100	C6H12O	002094-75-9	10
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	9
5	Oxalic acid, pentyl propyl ester	202	C10H18O4	1000309-25-7	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041519\
Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS040MW319-190410

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260

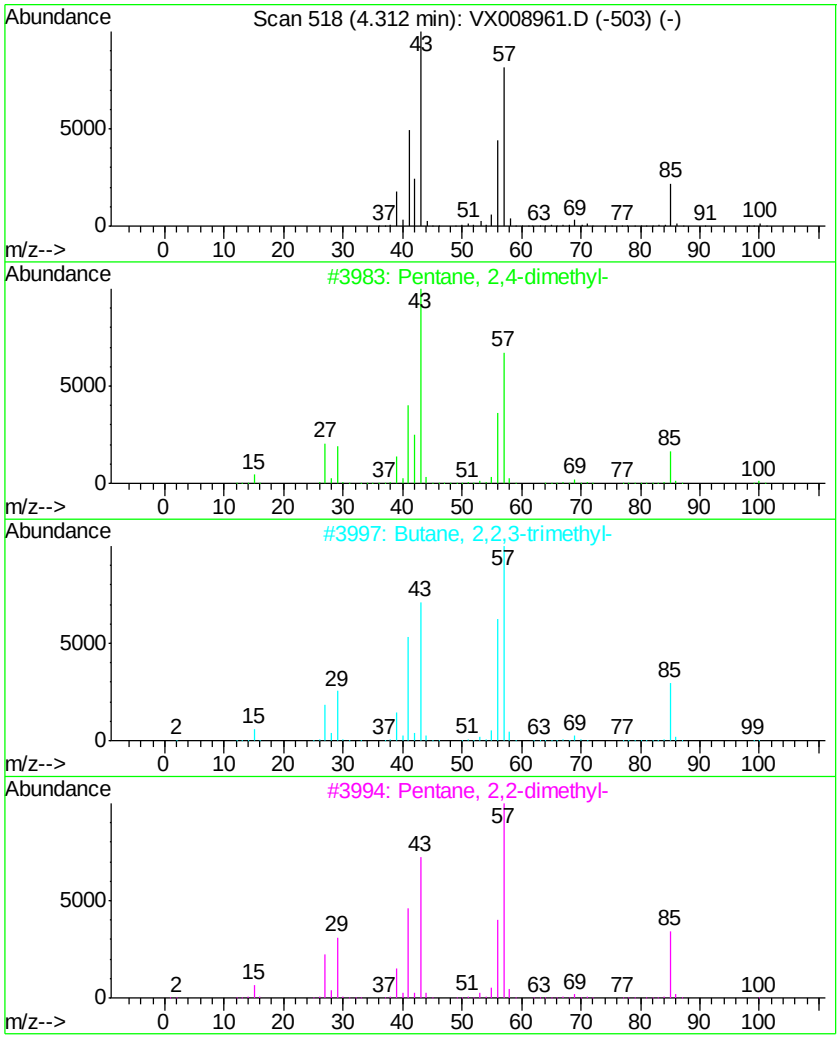
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

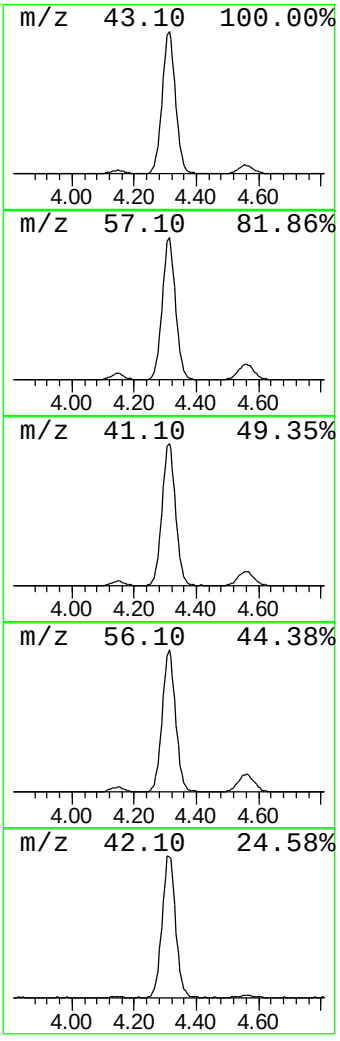
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.31	77.60 ug/l	1229840	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	50
5	2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041519\
Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS040MW319-190410

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260

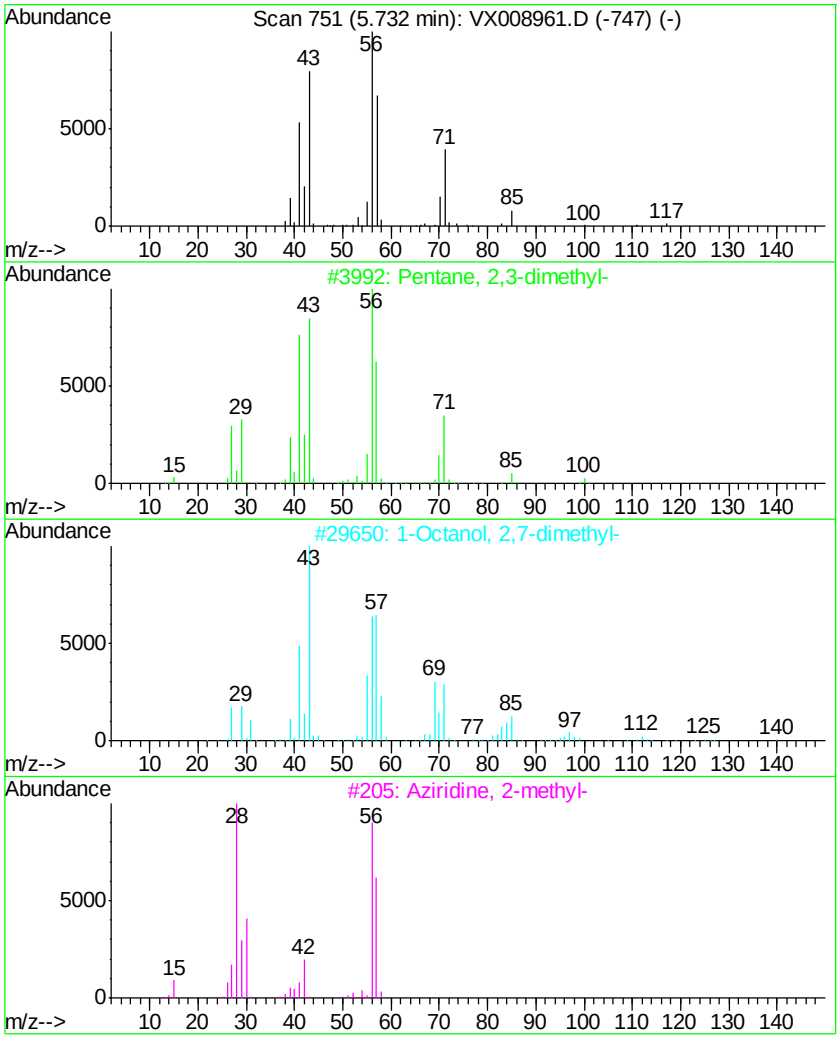
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

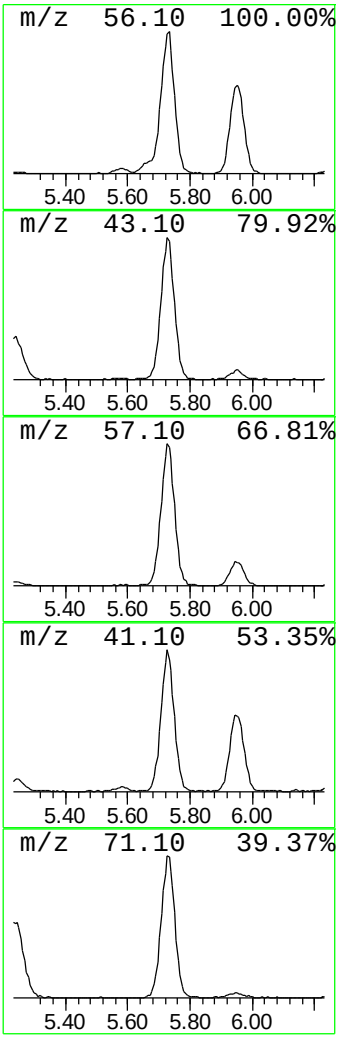
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	18.94 ug/l	300124	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
2	1-Octanol, 2,7-dimethyl-	158	C10H22O	015250-22-3	64
3	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	43
4	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	43
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041519\
Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS040MW319-190410

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260

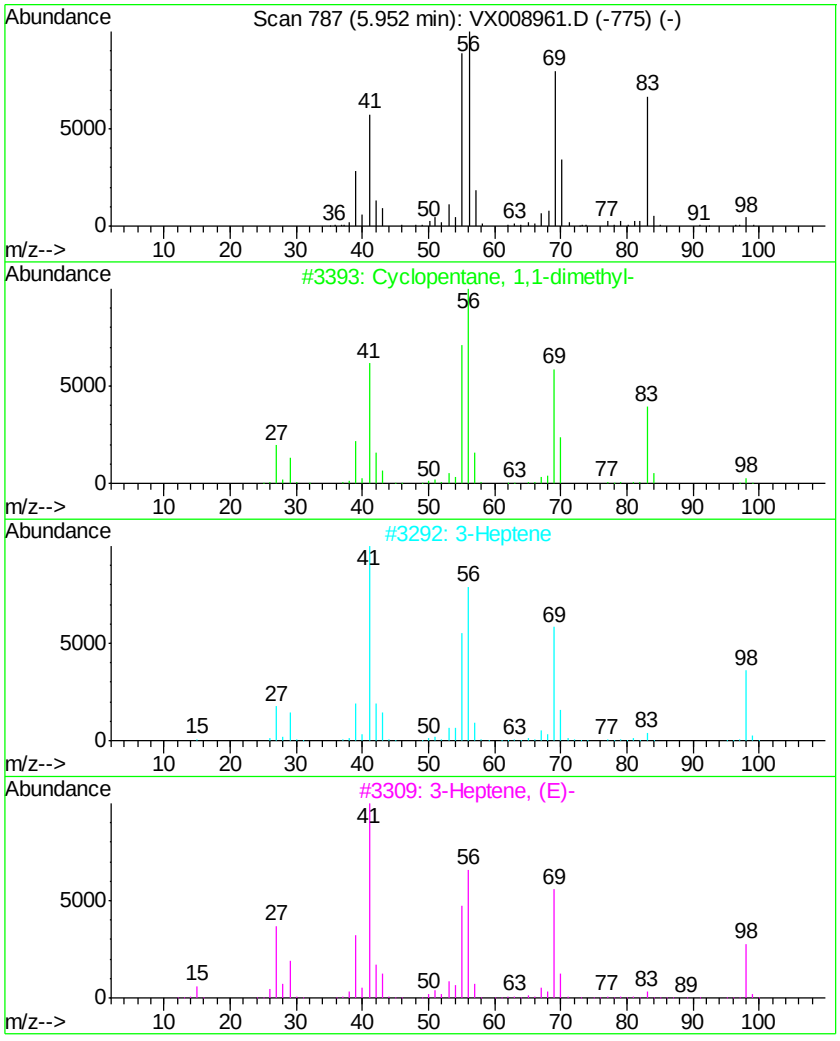
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

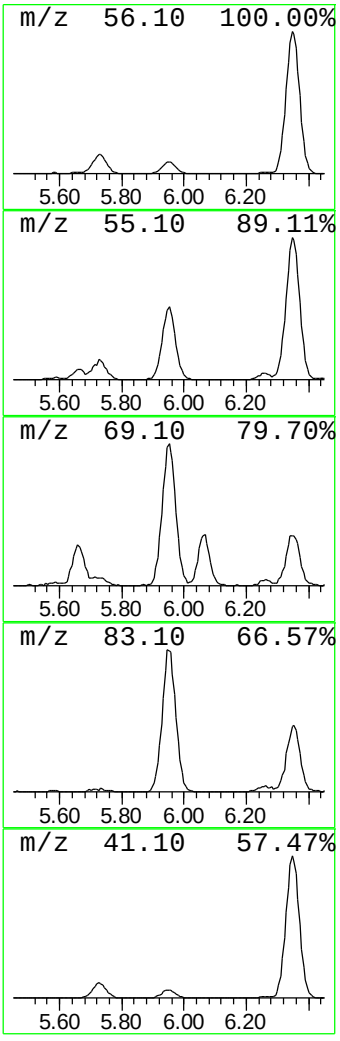
****

Peak Number 4 Cyclopentane, 1,1-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	18.28 ug/l	289738	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	91
2	3-Heptene	98	C7H14	000592-78-9	80
3	3-Heptene, (E)-	98	C7H14	014686-14-7	53
4	2-Heptene, (E)-	98	C7H14	014686-13-6	43
5	3-Methyl-2-hexene	98	C7H14	017618-77-8	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041519\
Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS040MW319-190410

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260

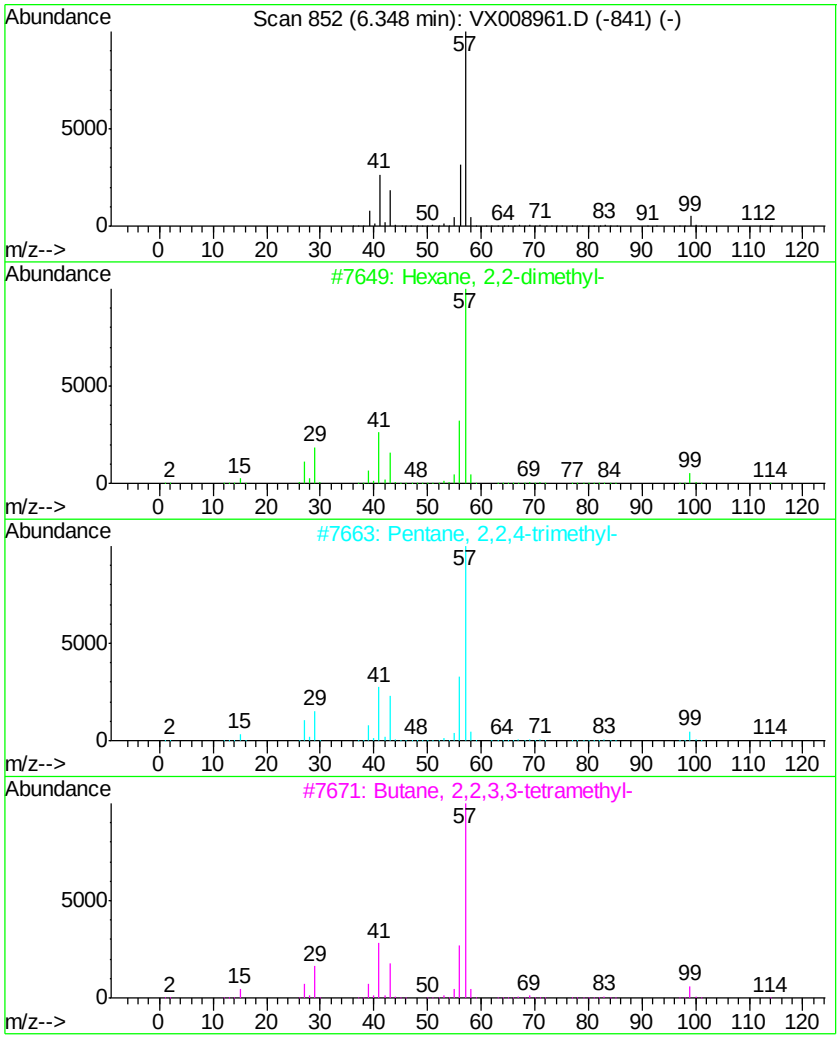
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

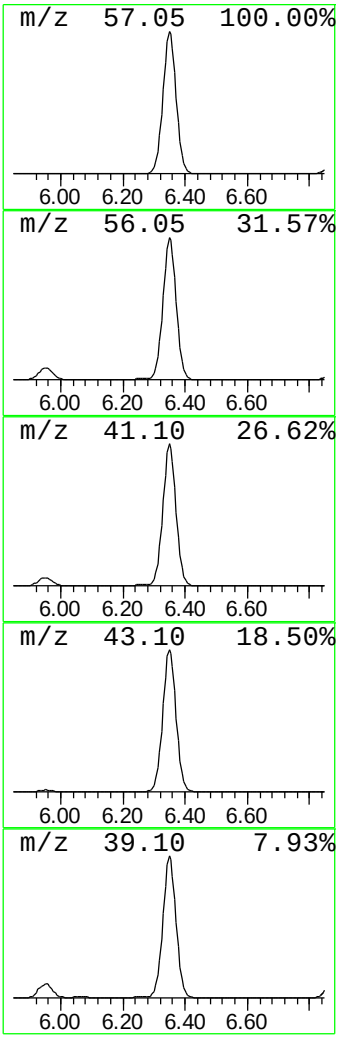
****

Peak Number 5 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	194.59 ug/l	3902290	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	78
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64





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Operator : JC/SP
Sample : K2385-13
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ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS040MW319-190410

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260

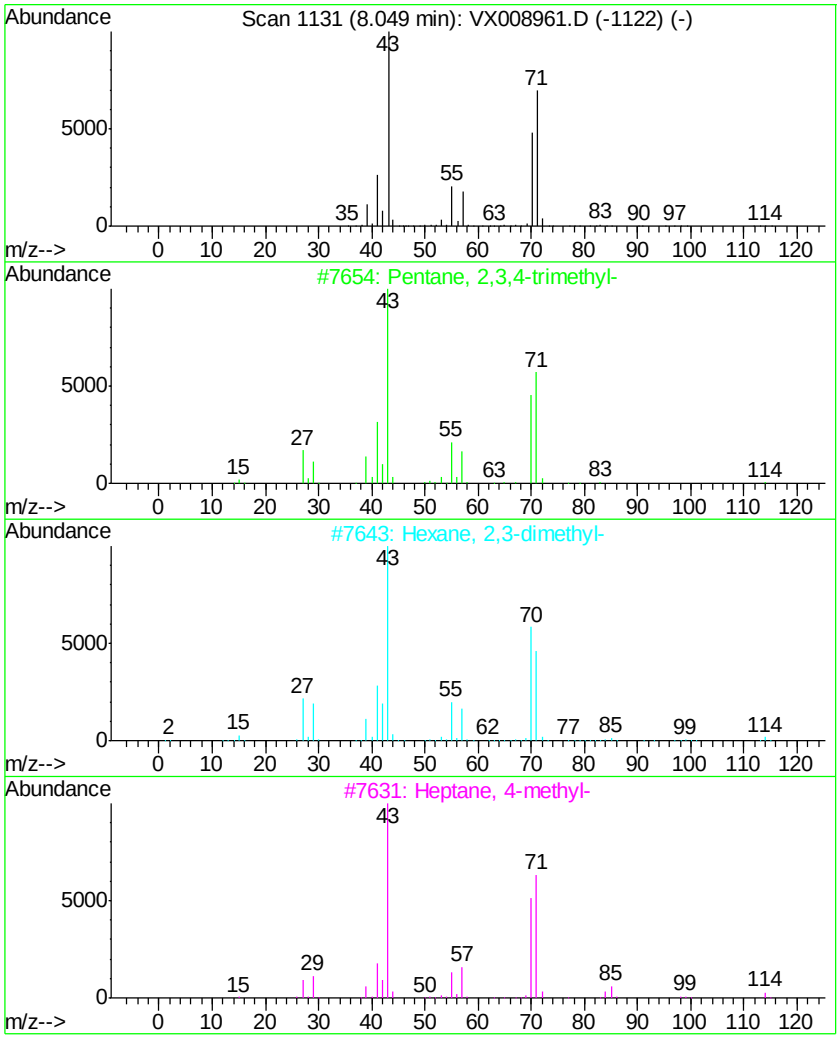
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

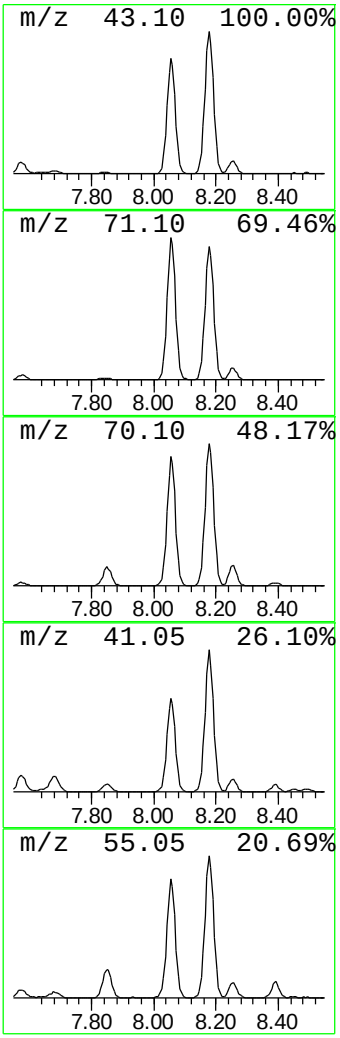
****

Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	77.33 ug/l	1550800	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	83
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041519\
Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS040MW319-190410

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260

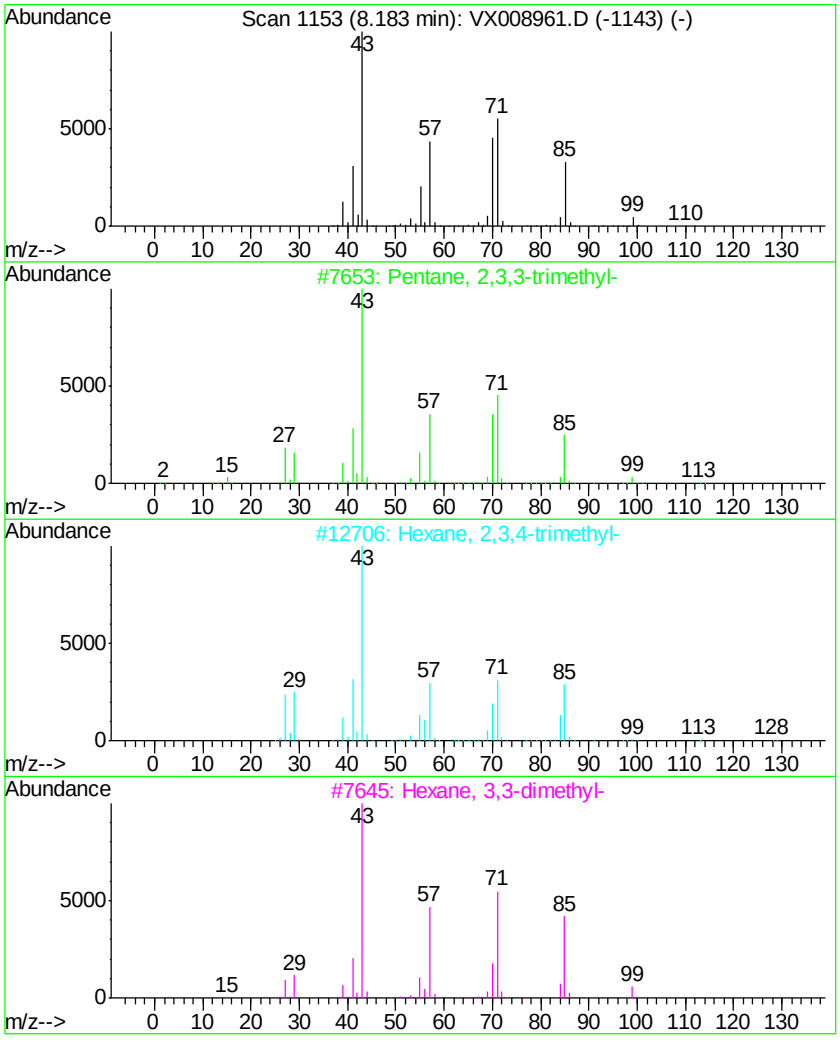
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

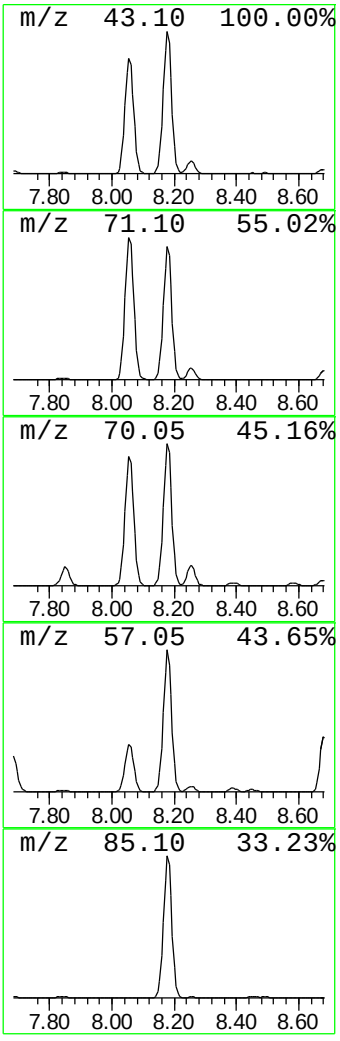
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	109.95 ug/l	2204890	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
4	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	53
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	50





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Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS040MW319-190410

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260

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

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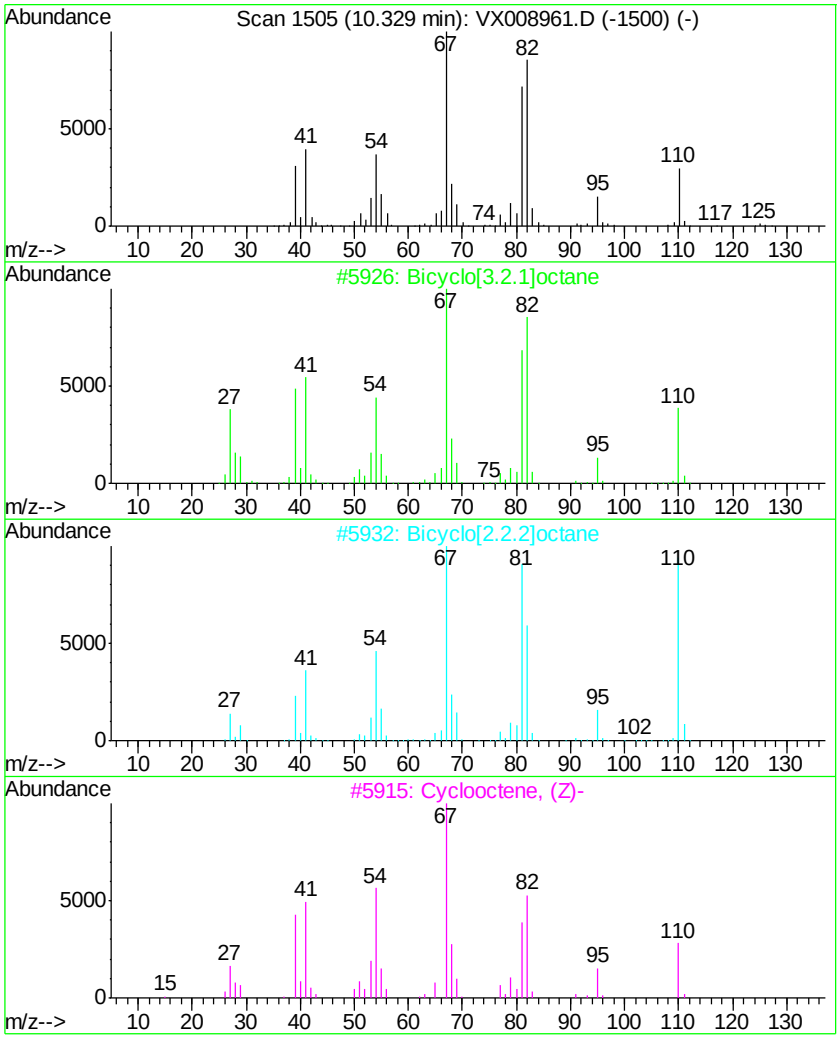
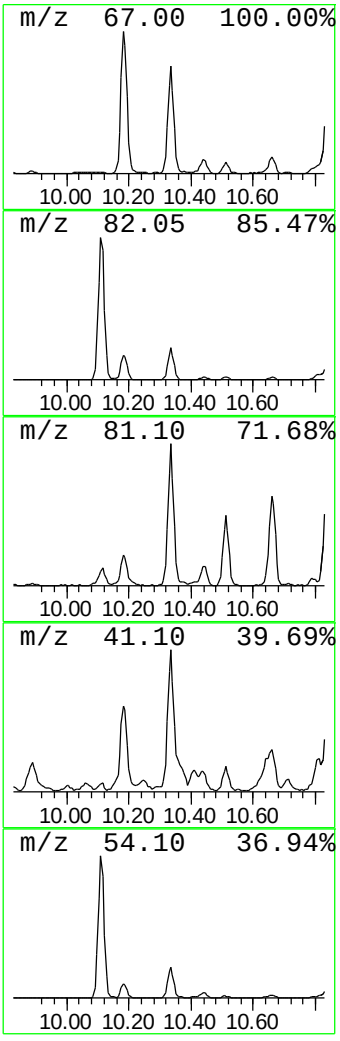
Peak Number 8 Bicyclo[3.2.1]octane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	17.59 ug/l	387261	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	95
2	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	87
3	Cyclooctene, (Z)-	110	C8H14	000931-87-3	64
4	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	55
5	1,3-Butadiene, 2,3-dimethyl-	82	C6H10	000513-81-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041519\
Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS040MW319-190410

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260

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

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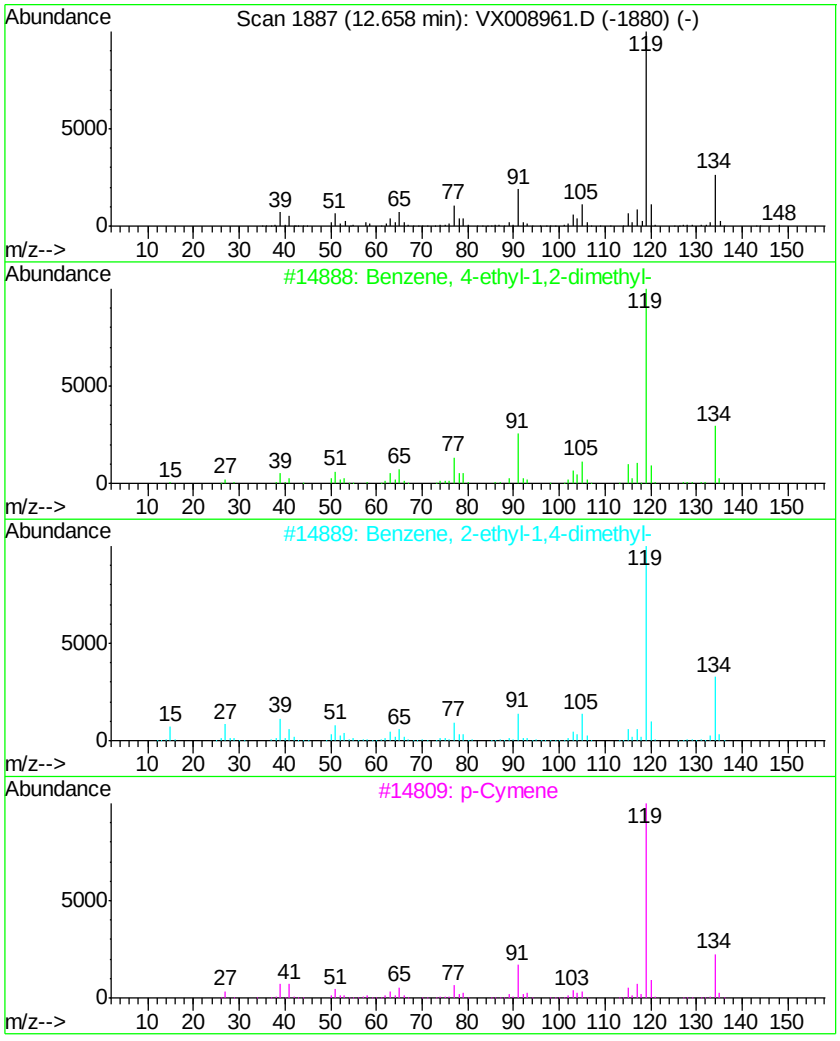
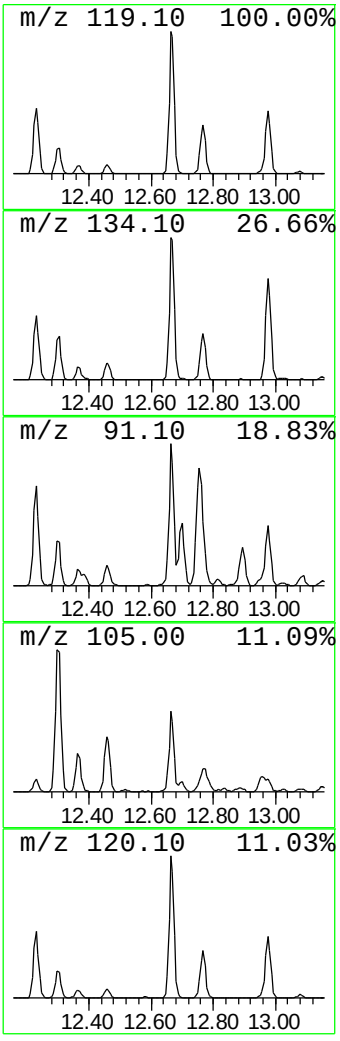
Peak Number 9 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	27.66 ug/l	546352	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041519\
Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SS040MW319-190410

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260

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

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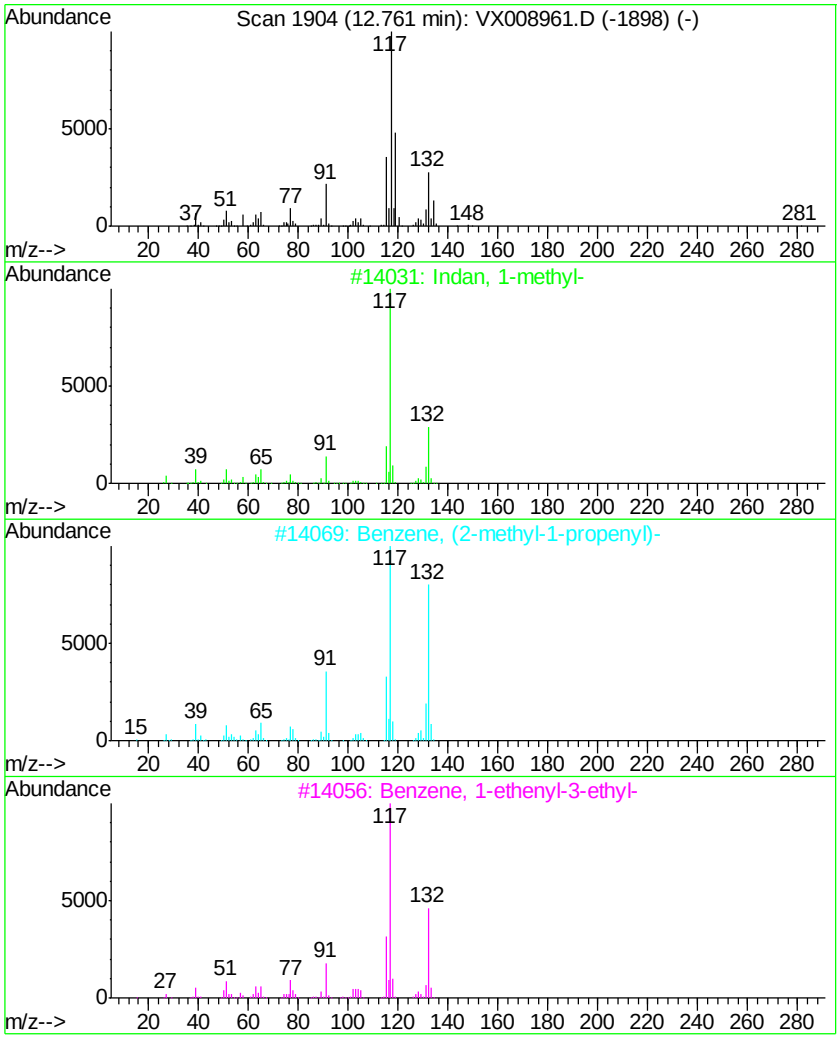
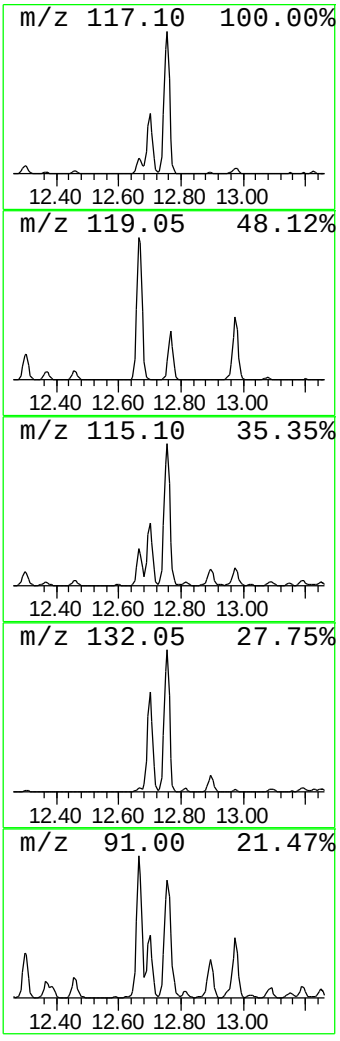
Peak Number 10 Indan, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	35.51 ug/l	701270	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041519\
Data File : VX008961.D
Acq On : 15 Apr 2019 15:36
Operator : JC/SP
Sample : K2385-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS040MW319-190410

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.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...	2.84	81.7	ug/l	1295310	1	5.67	792470	50.0
Pentane, 2,4-dime...	4.31	77.6	ug/l	1229840	1	5.67	792470	50.0
Pentane, 2,3-dime...	5.73	18.9	ug/l	300124	1	5.67	792470	50.0
Cyclopentane, 1,1...	5.95	18.3	ug/l	289738	1	5.67	792470	50.0
Hexane, 2,2-dimet...	6.35	194.6	ug/l	3902290	2	6.86	1002700	50.0
Pentane, 2,3,4-tr...	8.05	77.3	ug/l	1550800	2	6.86	1002700	50.0
Pentane, 2,3,3-tr...	8.18	110.0	ug/l	2204890	2	6.86	1002700	50.0
Bicyclo[3.2.1]octane	10.33	17.6	ug/l	387261	3	10.11	1100740	50.0
Benzene, 4-ethyl-...	12.66	27.7	ug/l	546352	4	12.08	987525	50.0
Indan, 1-methyl-	12.76	35.5	ug/l	701270	4	12.08	987525	50.0