LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
Data File : VX010857.D
Acq On : 12 Jul 2019 23:49
Operator : JC/SP
Sample : K3791-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0598

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\82X061919W.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	114	rBV	163371	239758	2.25%	0.599%
2	2.001	133	139	149	rVB	143731	203458	1.91%	0.508%
3	2.891	280	285	289	rBV	75233	144770	1.36%	0.362%
4	3.172	322	331	343	rBV	123001	285433	2.67%	0.713%
5	4.403	524	533	547	rVB	157905	462506	4.33%	1.155%
6	5.500	698	713	719	rBV	135207	395880	3.71%	0.989%
7	5.580	719	726	733	rVV	259355	813430	7.62%	2.031%
8	5.665	733	740	746	rVV	240343	726278	6.80%	1.814%
9	5.726	746	750	766	rVB3	127232	355928	3.33%	0.889%
10	5.933	772	784	796	rBV6	73198	248079	2.32%	0.620%
11	6.061	796	805	819	rVB	138694	358182	3.36%	0.894%
12	6.269	826	839	844	rBV3	53167	174833	1.64%	0.437%
13	6.348	844	852	862	rVV	187321	583215	5.46%	1.456%
14	6.458	862	870	884	rVB2	48018	138190	1.29%	0.345%
15	6.860	926	936	947	rBV	349875	833071	7.80%	2.080%
16	7.464	1021	1035	1046	rBV2	276666	655758	6.14%	1.638%
17	8.055	1121	1132	1143	rVB	193444	418079	3.92%	1.044%
18	8.177	1143	1152	1160	rBV	327829	640920	6.00%	1.601%
19	8.665	1225	1232	1235	rBV4	77070	145336	1.36%	0.363%
20	8.713	1235	1240	1249	rVB	762606	1222920	11.46%	3.054%
21	9.036	1288	1293	1300	rVB	102338	168587	1.58%	0.421%
22	10.109	1464	1469	1476	rBV	757069	998933	9.36%	2.495%
23	10.250	1486	1492	1499	rBV	2142131	2777168	26.02%	6.935%
24	10.359	1501	1510	1516	rBV	7912516	10673914	100.00%	26.656%
25	10.695	1560	1565	1576	rVB	1185723	1552553	14.55%	3.877%
26	11.018	1612	1618	1631	rVB	393342	495118	4.64%	1.236%
27	11.134	1631	1637	1642	rBV	700515	867873	8.13%	2.167%
28	11.359	1668	1674	1681	rBV	202934	246129	2.31%	0.615%
29	11.432	1681	1686	1688	rBV	593124	824556	7.72%	2.059%
30	11.506	1693	1698	1705	rVB	377974	465649	4.36%	1.163%
31	11.664	1718	1724	1733	rBV	949637	1178467	11.04%	2.943%
32	11.804	1742	1747	1757	rVB	2534316	2930167	27.45%	7.318%
33	11.944	1767	1770	1775	rVB	104658	127376	1.19%	0.318%
34	12.072	1786	1791	1797	rVB	866959	1166787	10.93%	2.914%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3791-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0598

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\82X061919W.M
Title : SW846 8260

35	12.140	1797	1802	1807	rBV	456307	542017	5.08%	1.354%
36	12.298	1822	1828	1835	rBV2	615734	866546	8.12%	2.164%
37	12.371	1835	1840	1849	rVB3	163387	272768	2.56%	0.681%
38	12.518	1859	1864	1869	rVB	94808	120310	1.13%	0.300%
39	12.609	1876	1879	1883	rVV	169355	199907	1.87%	0.499%
40	12.664	1884	1888	1892	rVV	115740	132992	1.25%	0.332%
41	12.975	1931	1939	1942	rBV	174762	252363	2.36%	0.630%
42	13.017	1942	1946	1952	rVB	154815	194794	1.82%	0.486%
43	13.341	1996	1999	2004	rVB2	168254	245634	2.30%	0.613%
44	13.475	2017	2021	2030	rVB	93720	149189	1.40%	0.373%
45	13.633	2044	2047	2052	rBV4	79247	133634	1.25%	0.334%
46	13.834	2071	2080	2087	rBV	931633	1292946	12.11%	3.229%
47	13.981	2097	2104	2108	rBV2	77995	127750	1.20%	0.319%
48	14.286	2147	2154	2161	rVB2	108878	199788	1.87%	0.499%
49	14.535	2190	2195	2204	rBV2	107169	170460	1.60%	0.426%
50	14.810	2237	2240	2242	rBV	110096	110037	1.03%	0.275%
51	15.554	2356	2362	2367	rBV2	287072	450966	4.22%	1.126%
52	15.682	2379	2383	2387	rBV	119414	201798	1.89%	0.504%
53	15.718	2387	2389	2396	rVB	92876	149360	1.40%	0.373%
54	16.456	2503	2510	2516	rVB2	195015	392192	3.67%	0.979%
55	16.688	2544	2548	2553	rVB	82522	143306	1.34%	0.358%
56	16.748	2553	2558	2563	rVB	96598	174862	1.64%	0.437%

Sum of corrected areas: 40042920

LSC Report - Integrated Chromatogram

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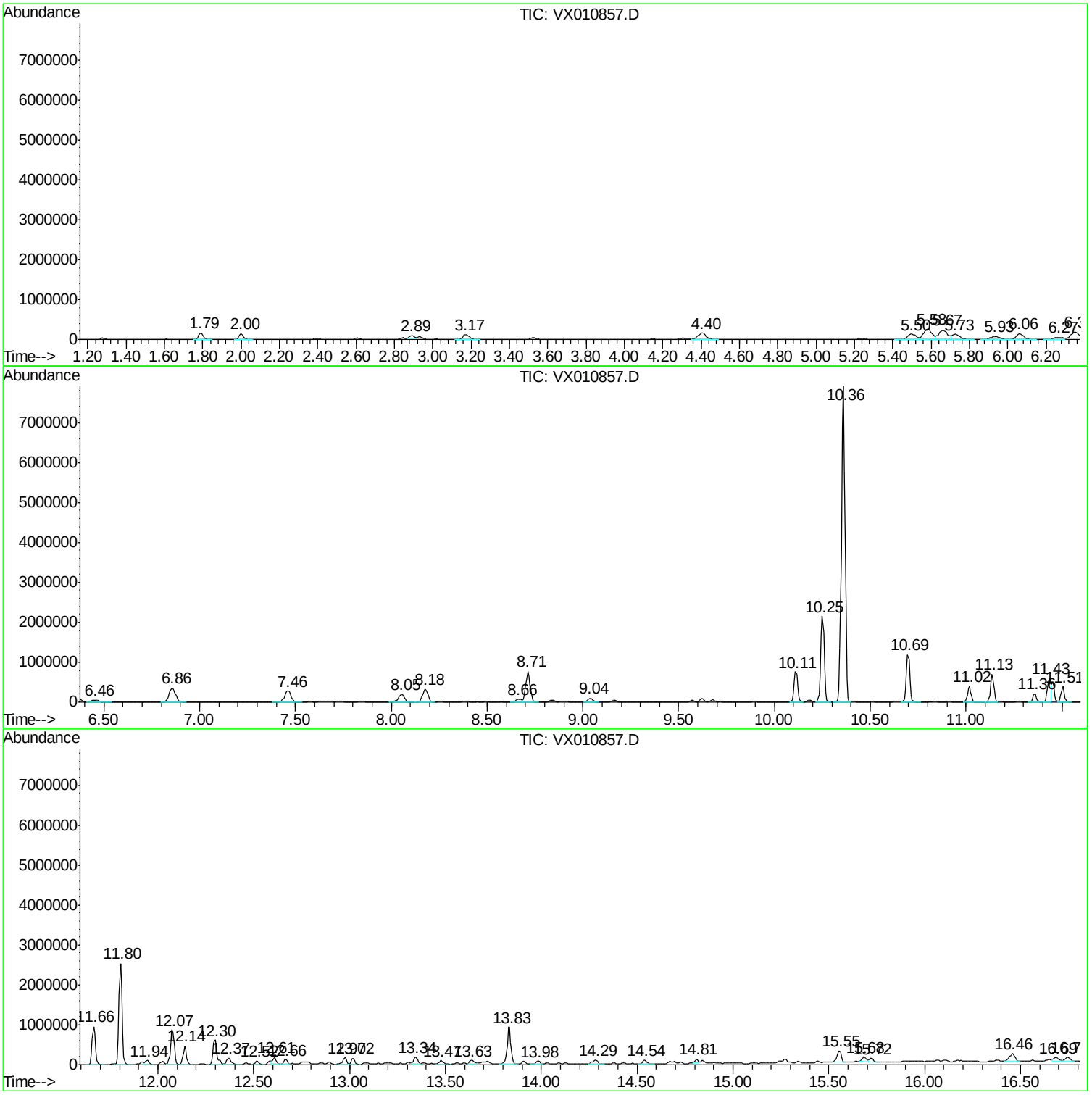
Data File : VX010857.D
Acq On : 12 Jul 2019 23:49
Operator : JC/SP
Sample : K3791-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FL-0598

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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\VX071219\
Data File : VX010857.D
Acq On : 12 Jul 2019 23:49
Operator : JC/SP
Sample : K3791-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0598

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

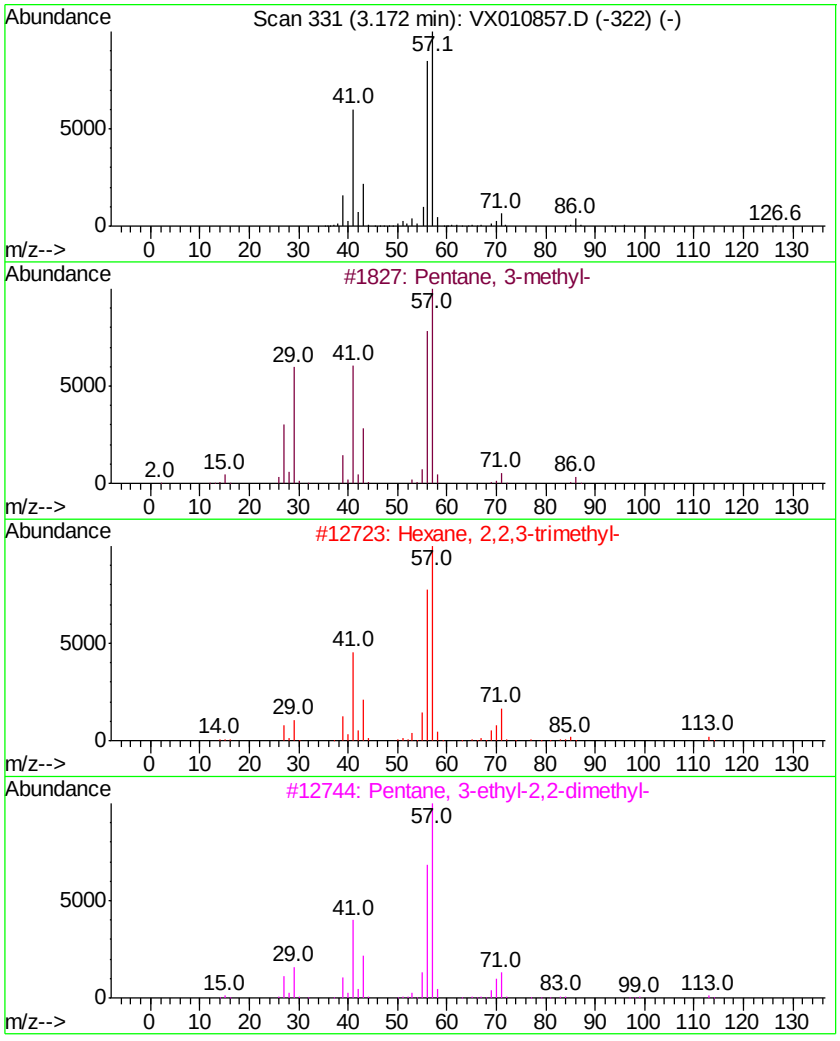
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

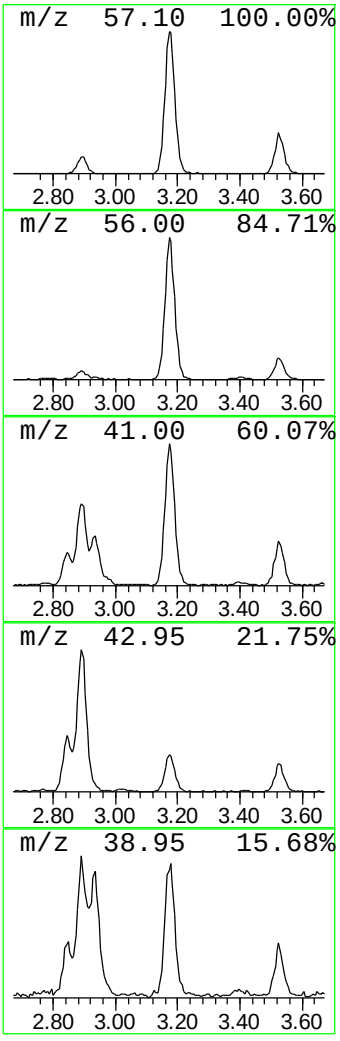
****

Peak Number 1 Pentane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	19.65 ug/l	285433	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
4	Butane, 1-chloro-	92	C4H9Cl	000109-69-3	42
5	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071219\
Data File : VX010857.D
Acq On : 12 Jul 2019 23:49
Operator : JC/SP
Sample : K3791-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0598

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

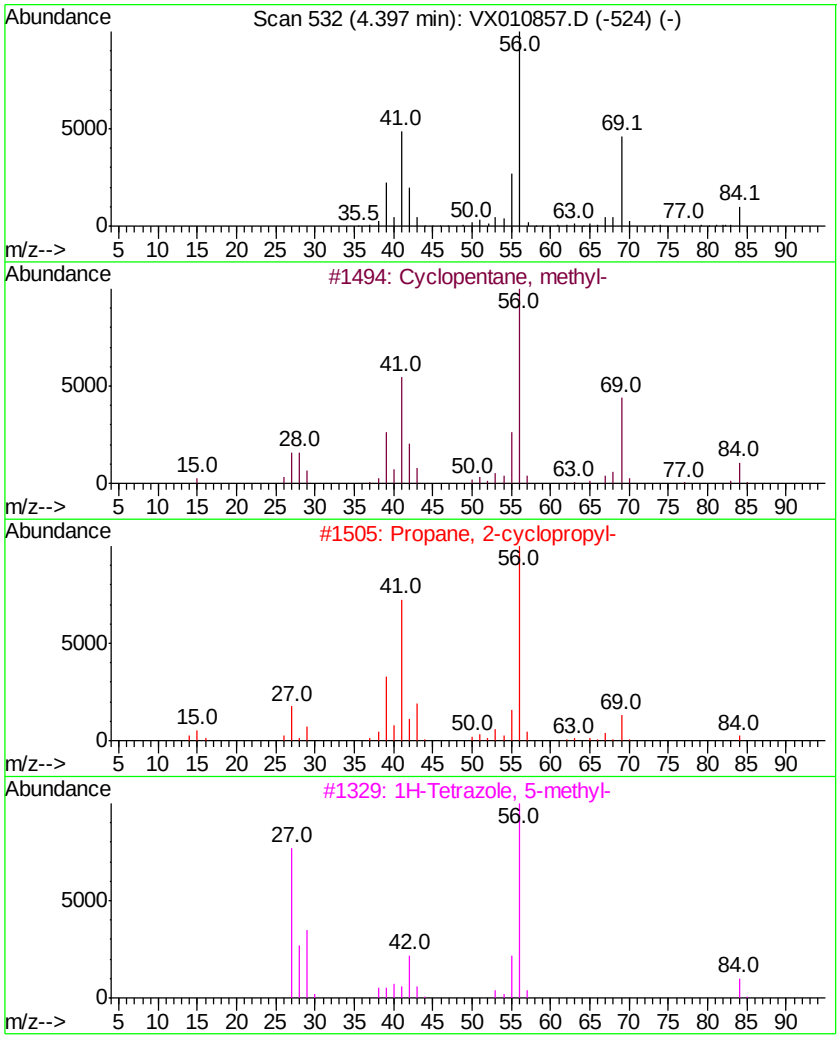
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

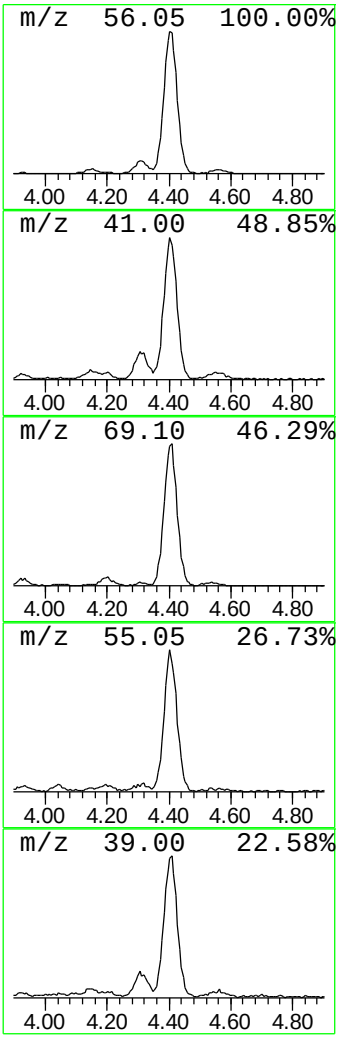
****

Peak Number 2 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	31.84 ug/l	462506	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	64
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071219\
Data File : VX010857.D
Acq On : 12 Jul 2019 23:49
Operator : JC/SP
Sample : K3791-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0598

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

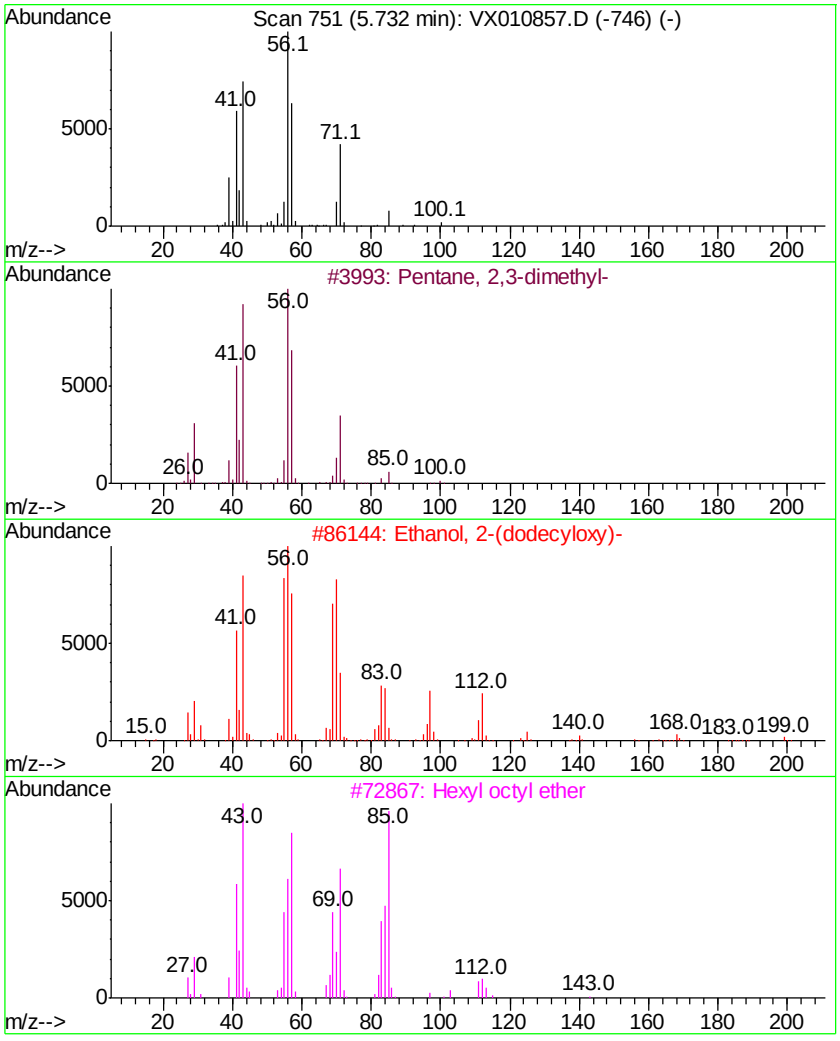
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

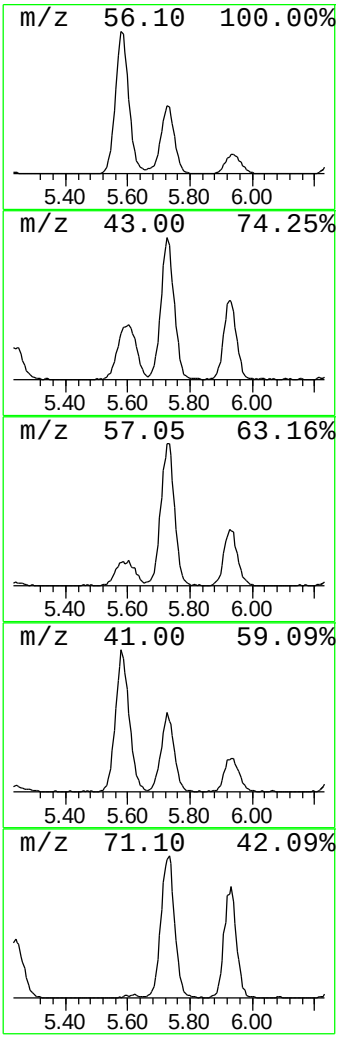
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	24.50 ug/l	355928	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	64
3	Hexyl octyl ether	214	C14H30O	017071-54-4	47
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	38
5	Heptane	100	C7H16	000142-82-5	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071219\
Data File : VX010857.D
Acq On : 12 Jul 2019 23:49
Operator : JC/SP
Sample : K3791-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0598

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

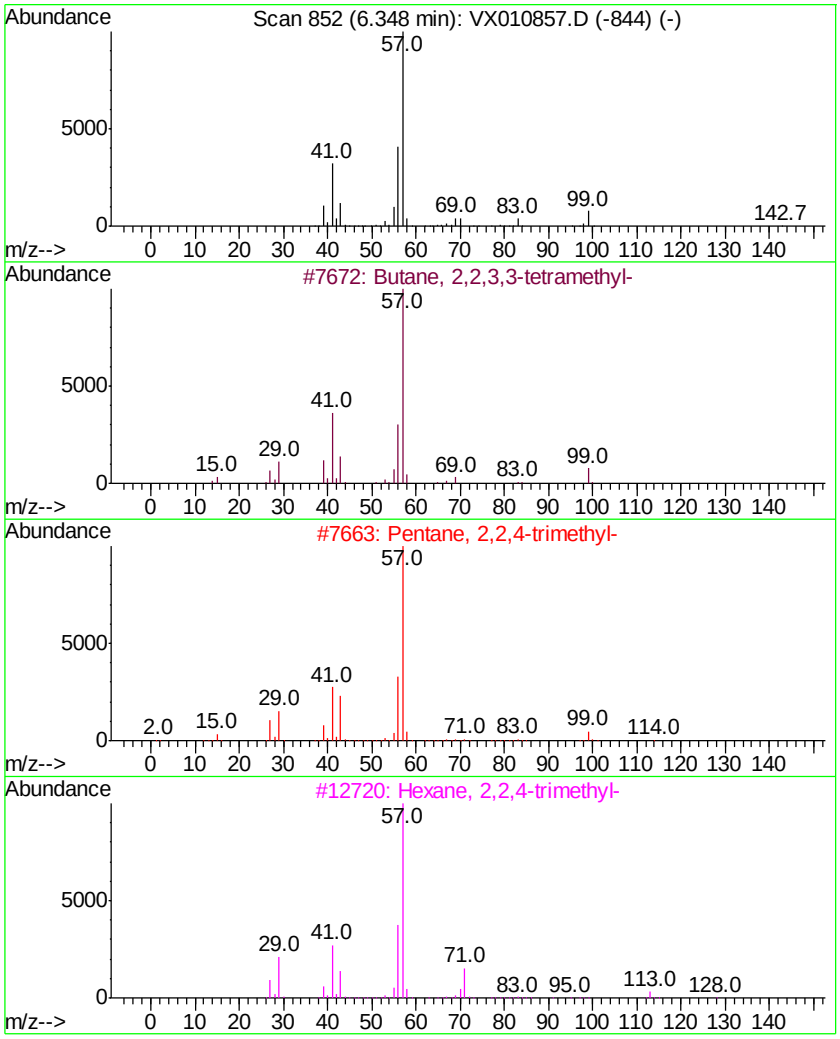
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

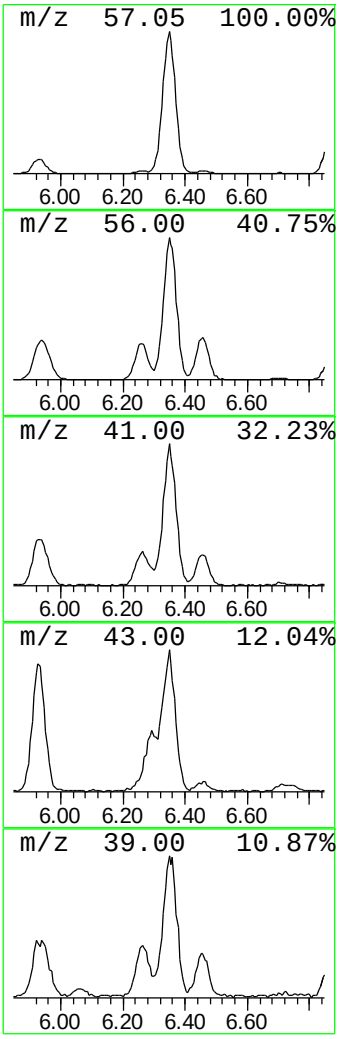
****

Peak Number 4 Butane, 2,2,3,3-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	35.00 ug/l	583215	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	59
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071219\
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Acq On : 12 Jul 2019 23:49
Operator : JC/SP
Sample : K3791-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0598

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

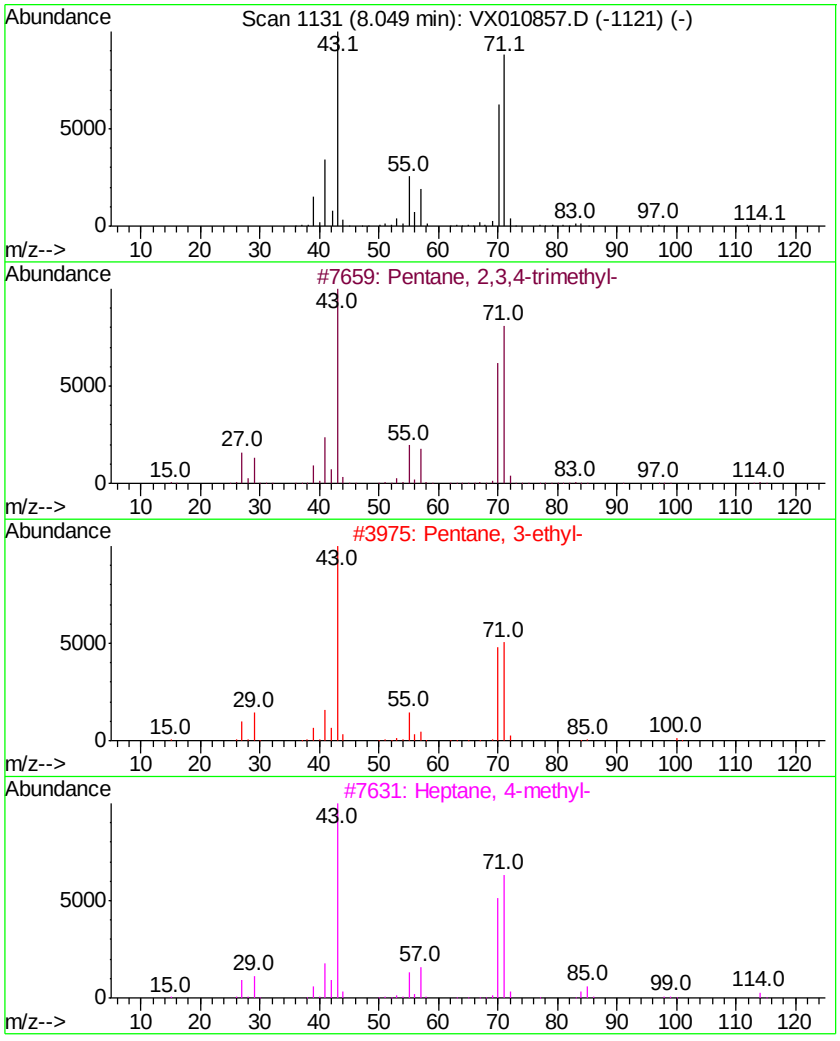
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

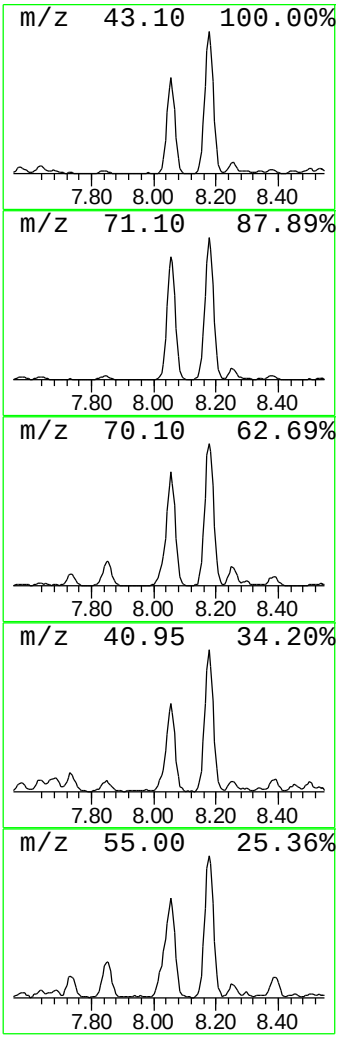
****

Peak Number 5 Pentane, 2,3,4-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	25.09 ug/l	418079	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	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
5	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78





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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0598

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

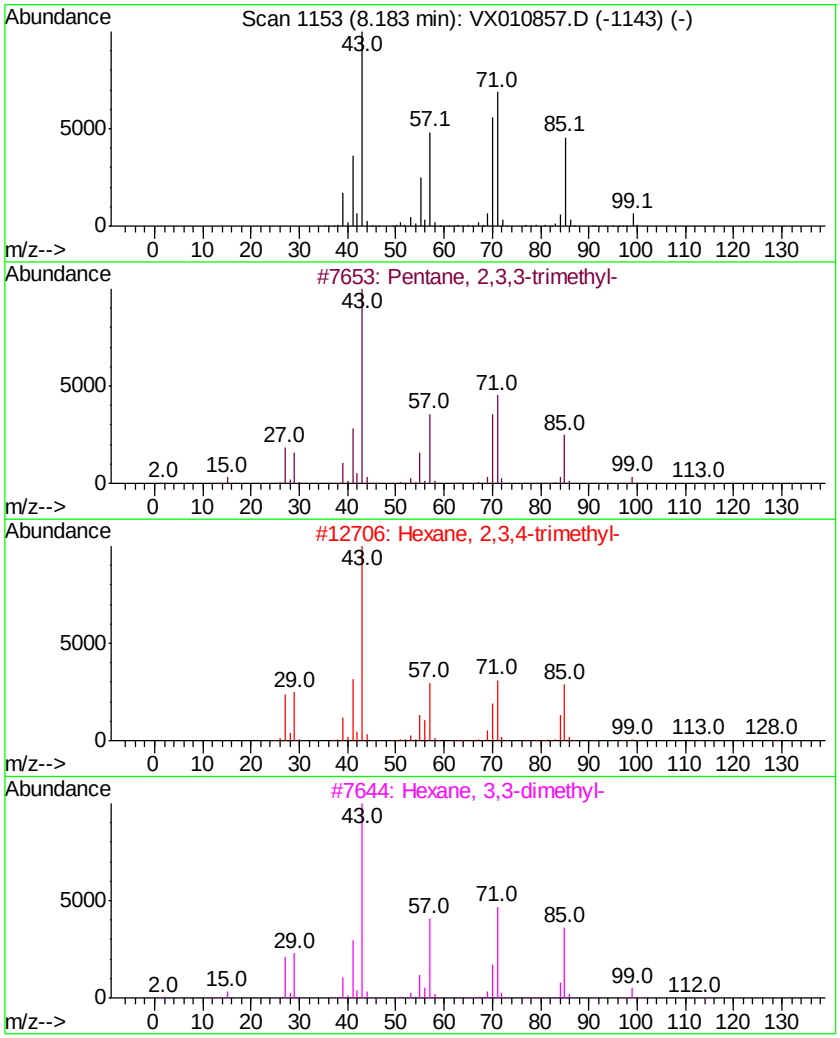
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

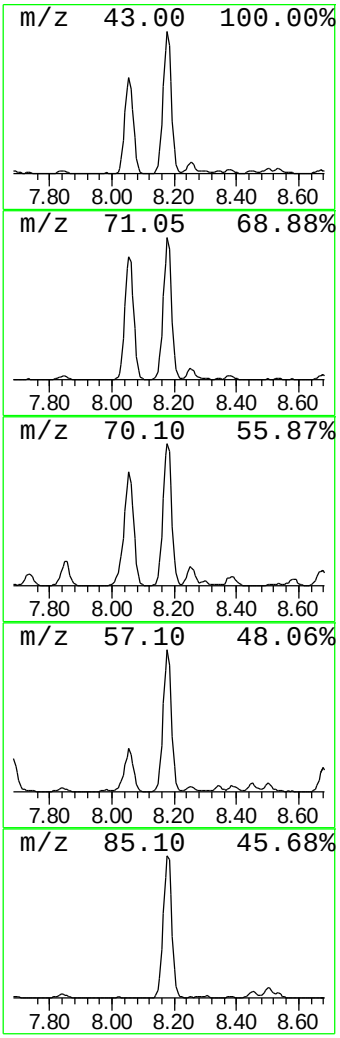
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	38.47 ug/l	640920	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	64
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	50





Library Search Compound Report

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ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0598

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

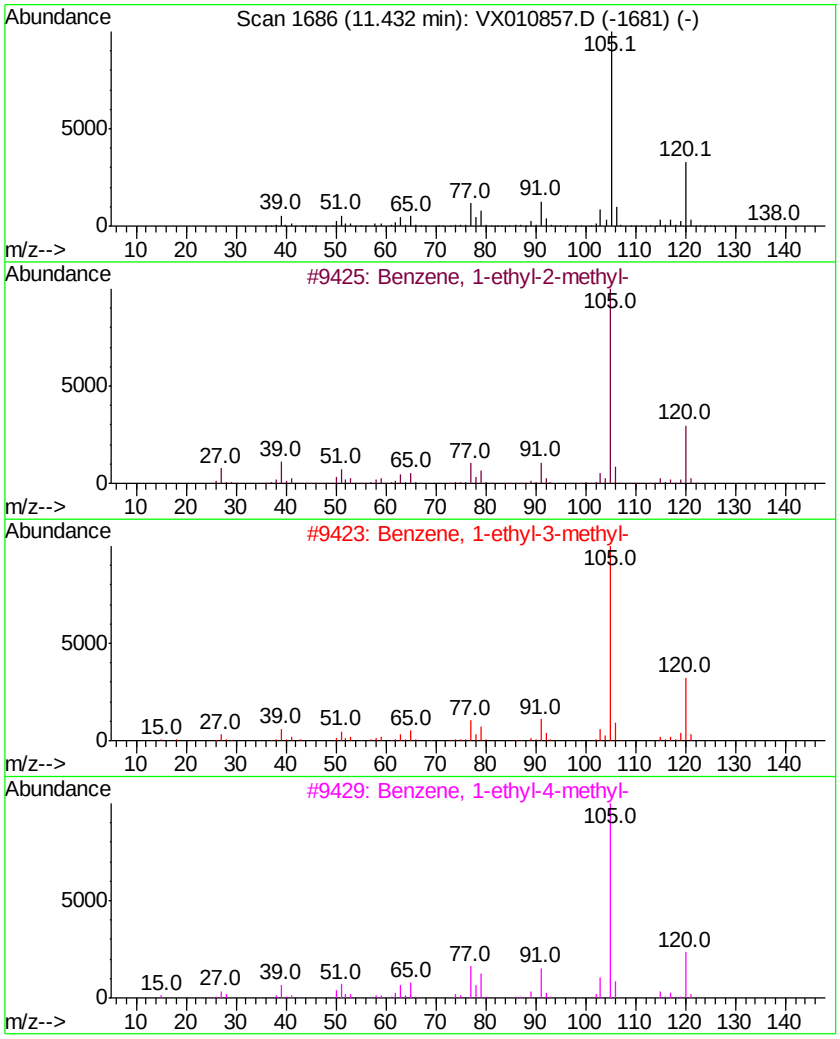
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

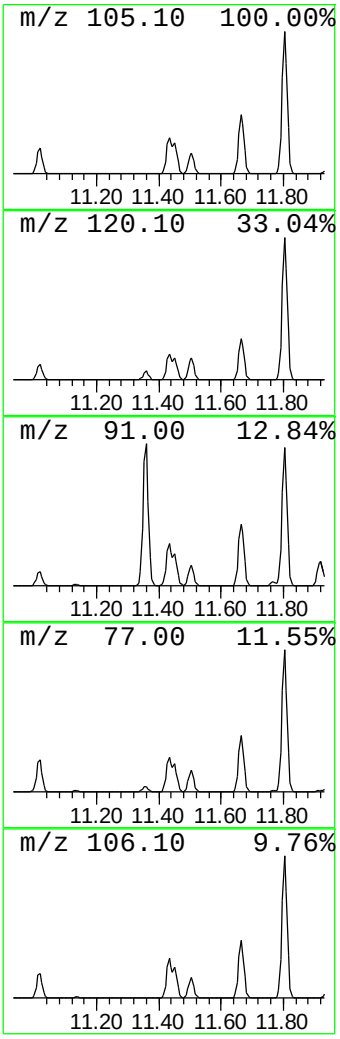
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	35.33 ug/l	824556	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-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

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Data File : VX010857.D
Acq On : 12 Jul 2019 23:49
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ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0598

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

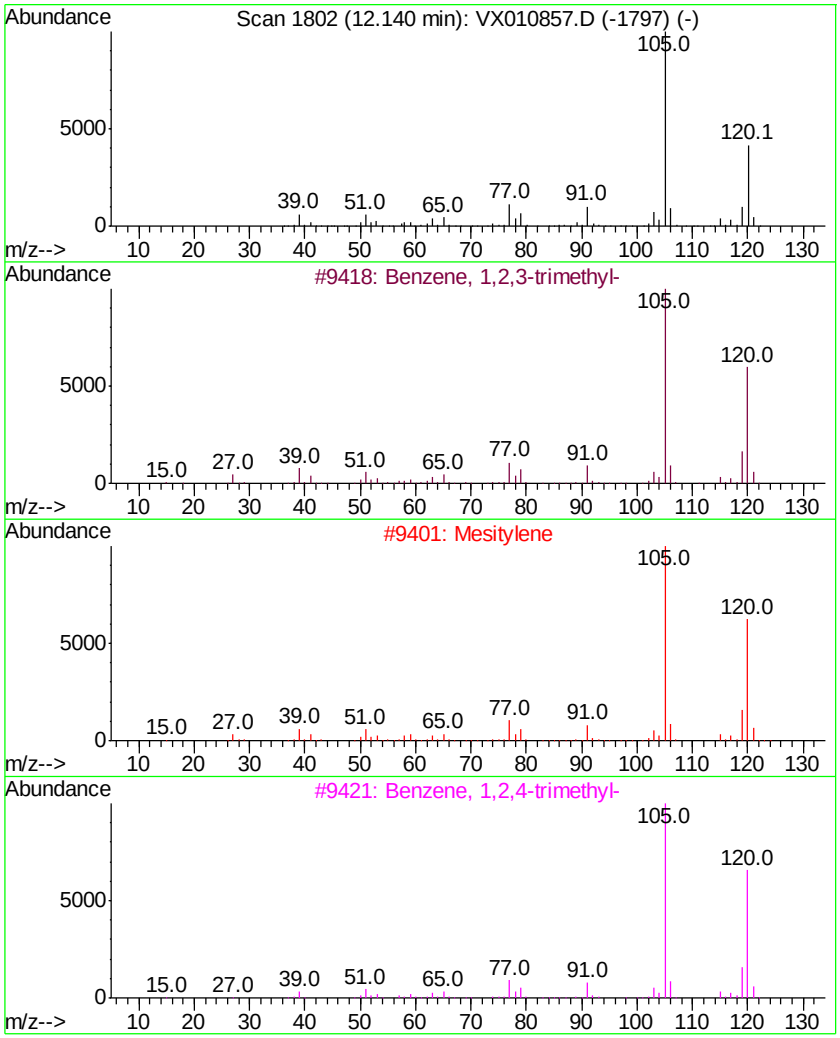
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

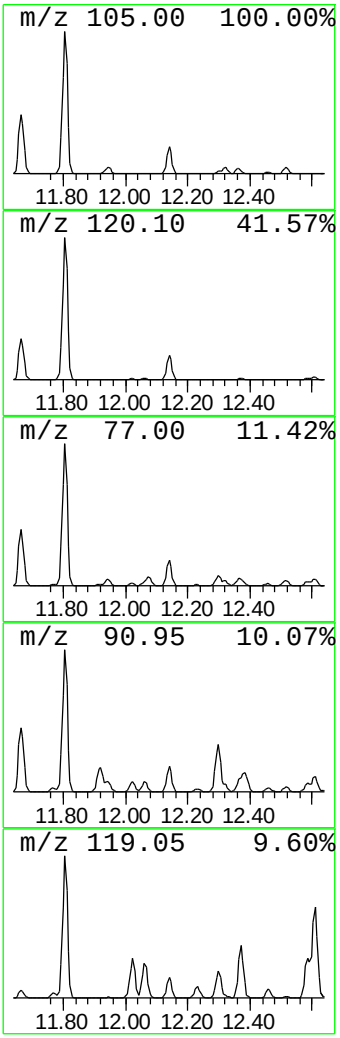
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	23.23 ug/l	542017	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
Data File : VX010857.D
Acq On : 12 Jul 2019 23:49
Operator : JC/SP
Sample : K3791-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0598

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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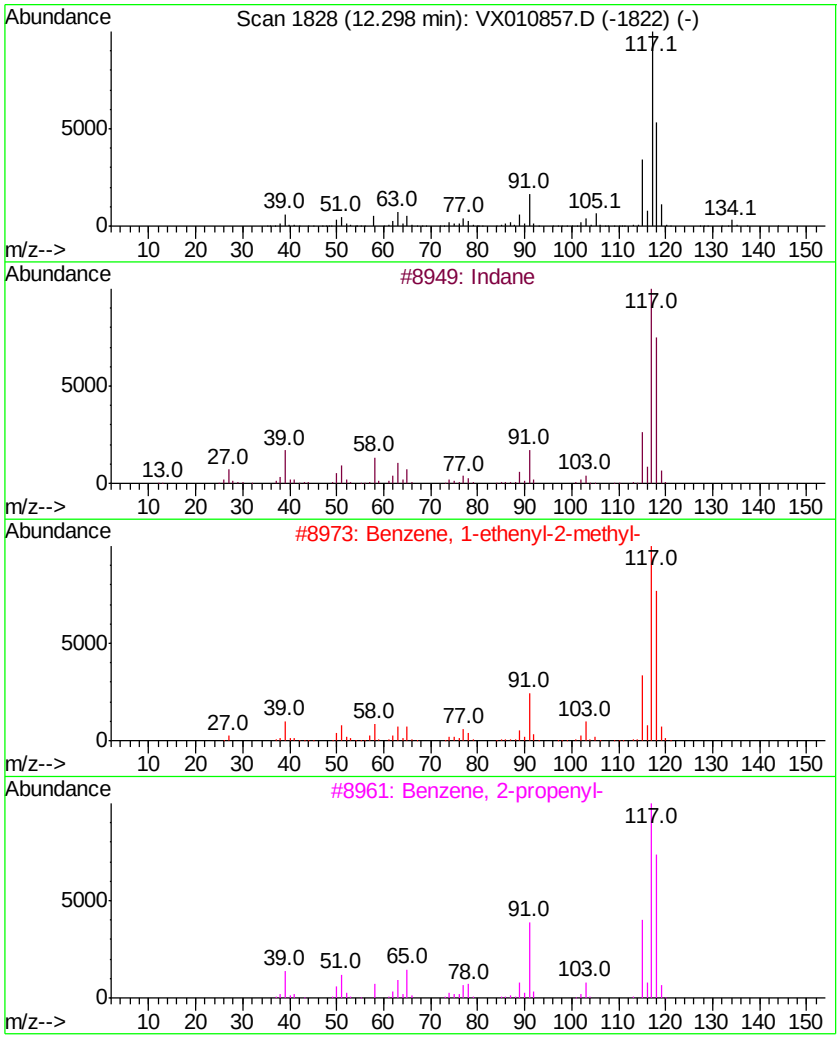
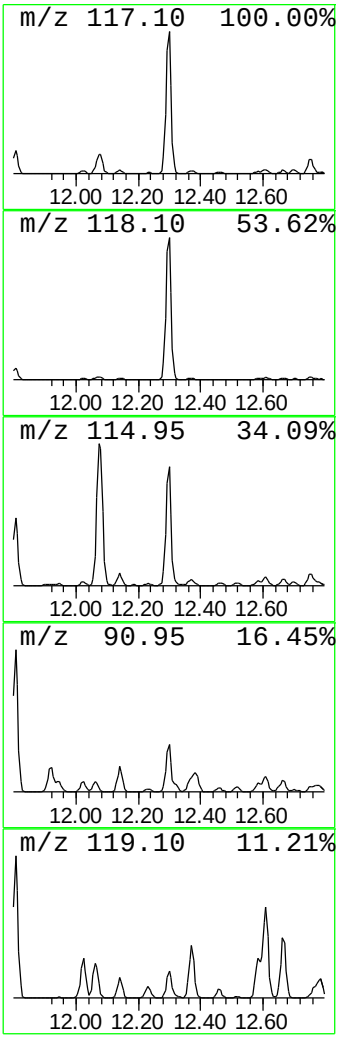
Peak Number 10 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	37.13 ug/l	866546	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Deltacyclene	118	C9H10	007785-10-6	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071219\
Data File : VX010857.D
Acq On : 12 Jul 2019 23:49
Operator : JC/SP
Sample : K3791-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0598

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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
Pentane, 3-methyl-	3.17	19.6	ug/l	285433	1	5.67	726278	50.0
Cyclopentane, met...	4.40	31.8	ug/l	462506	1	5.67	726278	50.0
Pentane, 2,3-dime...	5.73	24.5	ug/l	355928	1	5.67	726278	50.0
Butane, 2,2,3,3-t...	6.35	35.0	ug/l	583215	2	6.86	833071	50.0
Pentane, 2,3,4-tr...	8.05	25.1	ug/l	418079	2	6.86	833071	50.0
Pentane, 2,3,3-tr...	8.18	38.5	ug/l	640920	2	6.86	833071	50.0
Benzene, 1-ethyl-...	11.43	35.3	ug/l	824556	4	12.08	1166790	50.0
Benzene, 1,2,3-tr...	12.14	23.2	ug/l	542017	4	12.08	1166790	50.0
Indane	12.30	37.1	ug/l	866546	4	12.08	1166790	50.0