LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011408.D
Acq On : 09 Aug 2019 14:32
Operator : JC/SP
Sample : K4279-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0669

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\82X080119W.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	1.398	35	40	43	rBV	19254	19051	2.12%	0.236%
2	1.593	65	72	77	rBV6	4712	9387	1.05%	0.116%
3	1.782	98	103	112	rBV	107117	149145	16.62%	1.846%
4	1.995	132	138	146	rVB	45113	66183	7.37%	0.819%
5	2.391	193	203	209	rBV	24901	51559	5.74%	0.638%
6	2.836	269	276	280	rBV	27958	62427	6.96%	0.773%
7	2.885	280	284	286	rVV2	29616	54150	6.03%	0.670%
8	2.928	286	291	302	rVB	62379	133467	14.87%	1.652%
9	3.166	321	330	343	rVB	63080	142263	15.85%	1.761%
10	3.519	381	388	394	rBV4	5681	11935	1.33%	0.148%
11	4.397	522	532	543	rVB	68298	195038	21.73%	2.414%
12	5.488	700	711	719	rBV	104636	308910	34.42%	3.823%
13	5.574	719	725	731	rVV4	55109	171440	19.10%	2.122%
14	5.653	731	738	762	rVB	205061	609243	67.88%	7.541%
15	5.933	773	784	793	rBV10	7712	26777	2.98%	0.331%
16	6.055	795	804	810	rVV2	112147	288230	32.11%	3.568%
17	6.135	810	817	831	rVV	214813	571423	63.67%	7.073%
18	6.263	831	838	846	rVV6	8315	29489	3.29%	0.365%
19	6.354	846	853	861	rVV7	9406	28973	3.23%	0.359%
20	6.458	861	870	880	rVB6	7953	23122	2.58%	0.286%
21	6.854	923	935	945	rBV	282499	670894	74.75%	8.304%
22	7.458	1024	1034	1043	rVB3	33314	82044	9.14%	1.015%
23	7.842	1090	1097	1105	rBV7	4928	11068	1.23%	0.137%
24	8.177	1146	1152	1161	rBV6	6754	15346	1.71%	0.190%
25	8.665	1226	1232	1233	rBV3	7806	11198	1.25%	0.139%
26	8.713	1234	1240	1249	rVB	586450	897538	100.00%	11.109%
27	9.037	1288	1293	1299	rVB2	15320	24639	2.75%	0.305%
28	9.677	1393	1398	1402	rBV2	8328	13341	1.49%	0.165%
29	10.109	1463	1469	1475	rBV	580939	767194	85.48%	9.496%
30	10.250	1485	1492	1497	rVV	90598	118498	13.20%	1.467%
31	10.353	1500	1509	1516	rBV6	7662	20753	2.31%	0.257%
32	10.634	1549	1555	1564	rBV8	5896	14525	1.62%	0.180%
33	10.835	1585	1588	1596	rVB6	6451	9618	1.07%	0.119%
34	10.914	1596	1601	1606	rBV8	5291	9984	1.11%	0.124%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011408.D
Acq On : 09 Aug 2019 14:32
Operator : JC/SP
Sample : K4279-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0669

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\82X080119W.M
Title : SW846 8260

35	11.018	1613	1618	1623	rBV	56856	75529	8.42%	0.935%
36	11.134	1630	1637	1643	rBV	482578	607931	67.73%	7.525%
37	11.274	1652	1660	1665	rBV10	6890	16029	1.79%	0.198%
38	11.359	1669	1674	1680	rBV	57103	77640	8.65%	0.961%
39	11.664	1717	1724	1735	rBV	13043	28909	3.22%	0.358%
40	11.920	1758	1766	1767	rBV7	4421	9078	1.01%	0.112%
41	11.945	1767	1770	1776	rVB	12811	16621	1.85%	0.206%
42	12.073	1786	1791	1797	rBV	576061	742523	82.73%	9.190%
43	12.140	1797	1802	1807	rVV	169203	206226	22.98%	2.553%
44	12.231	1811	1817	1822	rVB2	7212	10508	1.17%	0.130%
45	12.298	1822	1828	1835	rBV	74591	96332	10.73%	1.192%
46	12.365	1835	1839	1846	rVB3	14685	26924	3.00%	0.333%
47	12.457	1849	1854	1859	rBV	15828	19654	2.19%	0.243%
48	12.518	1859	1864	1869	rBV	29582	39413	4.39%	0.488%
49	12.664	1881	1888	1891	rBV	18362	26667	2.97%	0.330%
50	12.700	1891	1894	1899	rVV2	13495	19851	2.21%	0.246%
51	12.755	1899	1903	1910	rVB3	20863	37391	4.17%	0.463%
52	12.902	1922	1927	1931	rVB3	21026	29809	3.32%	0.369%
53	12.975	1931	1939	1943	rVV	19185	28430	3.17%	0.352%
54	13.017	1943	1946	1953	rVB4	5112	10077	1.12%	0.125%
55	13.194	1971	1975	1977	rBV3	7694	9028	1.01%	0.112%
56	13.347	1995	2000	2004	rVV2	49389	71874	8.01%	0.890%
57	13.475	2014	2021	2028	rVB	25800	37385	4.17%	0.463%
58	13.639	2044	2048	2052	rBV5	8904	15346	1.71%	0.190%
59	13.694	2052	2057	2058	rVV5	5551	9265	1.03%	0.115%
60	13.719	2058	2061	2069	rVB4	9475	14774	1.65%	0.183%
61	13.834	2071	2080	2088	rBV	51177	83468	9.30%	1.033%
62	13.908	2088	2092	2097	rVB4	6567	10389	1.16%	0.129%
63	13.981	2097	2104	2108	rBV5	9007	14994	1.67%	0.186%
64	14.273	2147	2152	2161	rVB7	7141	15389	1.71%	0.190%
65	14.536	2191	2195	2201	rVB3	11909	15563	1.73%	0.193%
66	14.694	2215	2221	2224	rBV	11435	15315	1.71%	0.190%
67	14.834	2240	2244	2248	rBV	16082	22091	2.46%	0.273%

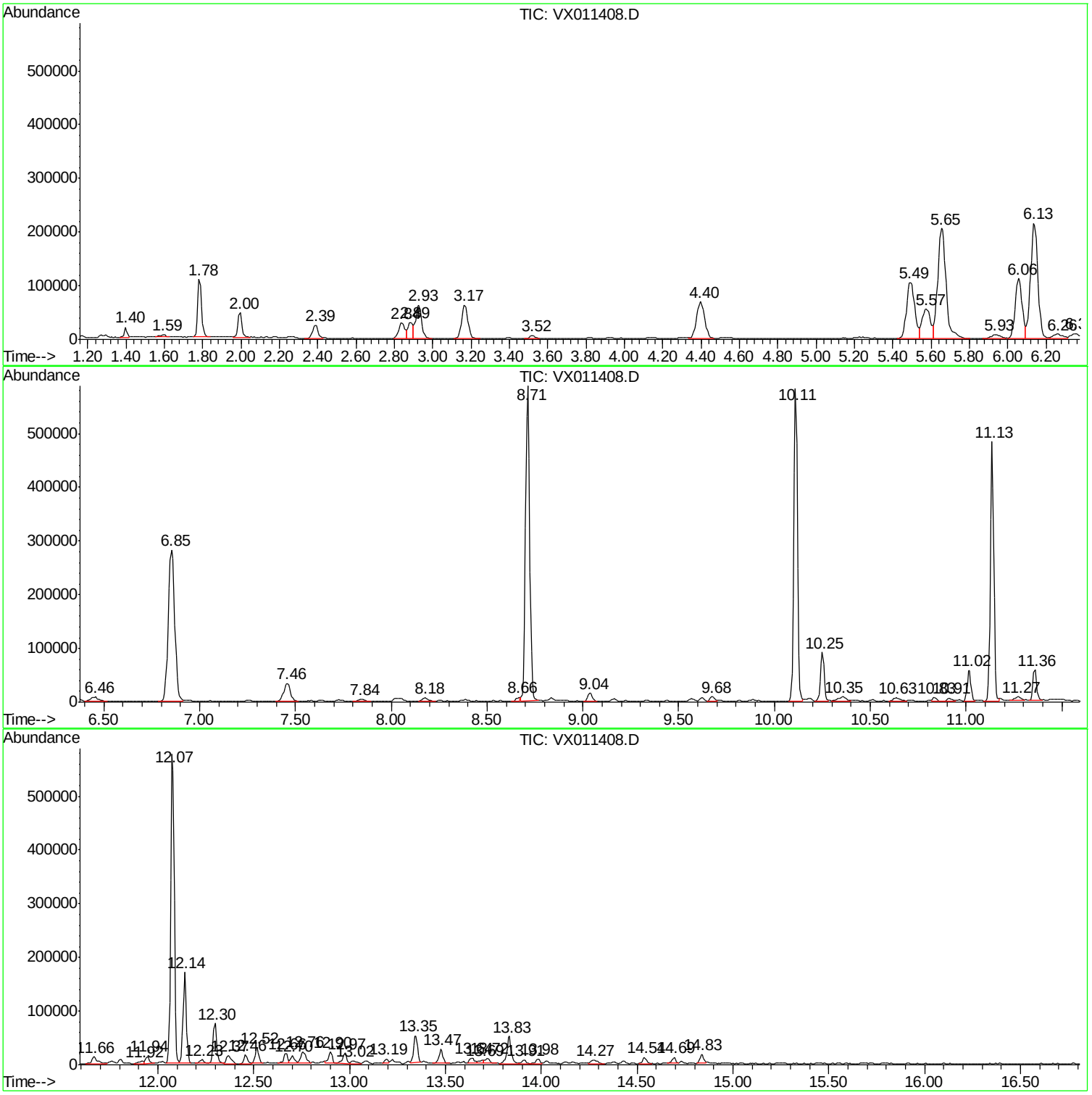
Sum of corrected areas: 8079275

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011408.D
Acq On : 09 Aug 2019 14:32
Operator : JC/SP
Sample : K4279-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0669

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.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\VX080919\
Data File : VX011408.D
Acq On : 09 Aug 2019 14:32
Operator : JC/SP
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument : MSVOA_X
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

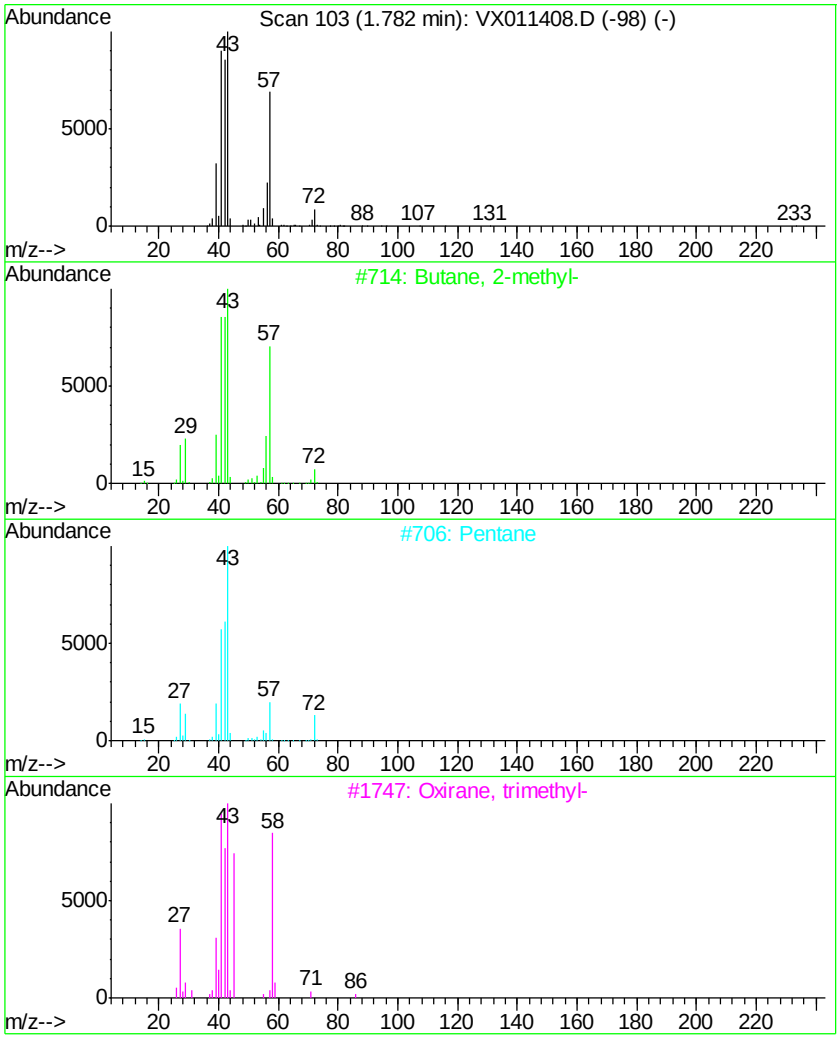
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

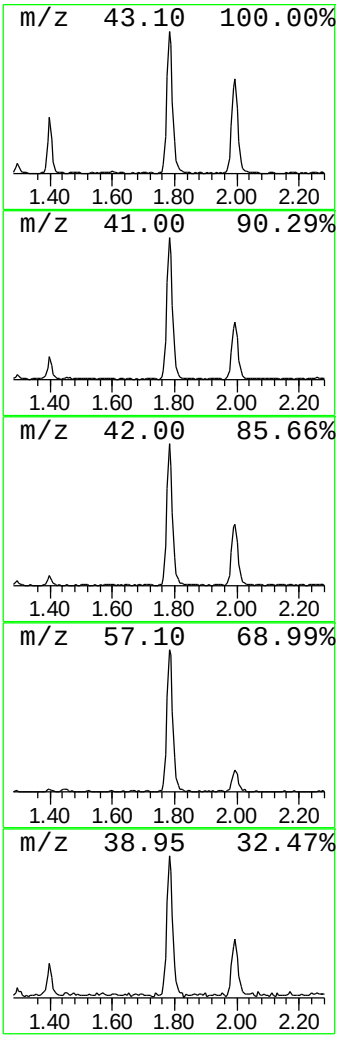
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	12.24 ug/l	149145	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Pentane	72	C5H12	000109-66-0	59
3	Oxirane, trimethyl-	86	C5H10O	005076-19-7	38
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	36
5	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	12





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011408.D
Acq On : 09 Aug 2019 14:32
Operator : JC/SP
Sample : K4279-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0669

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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

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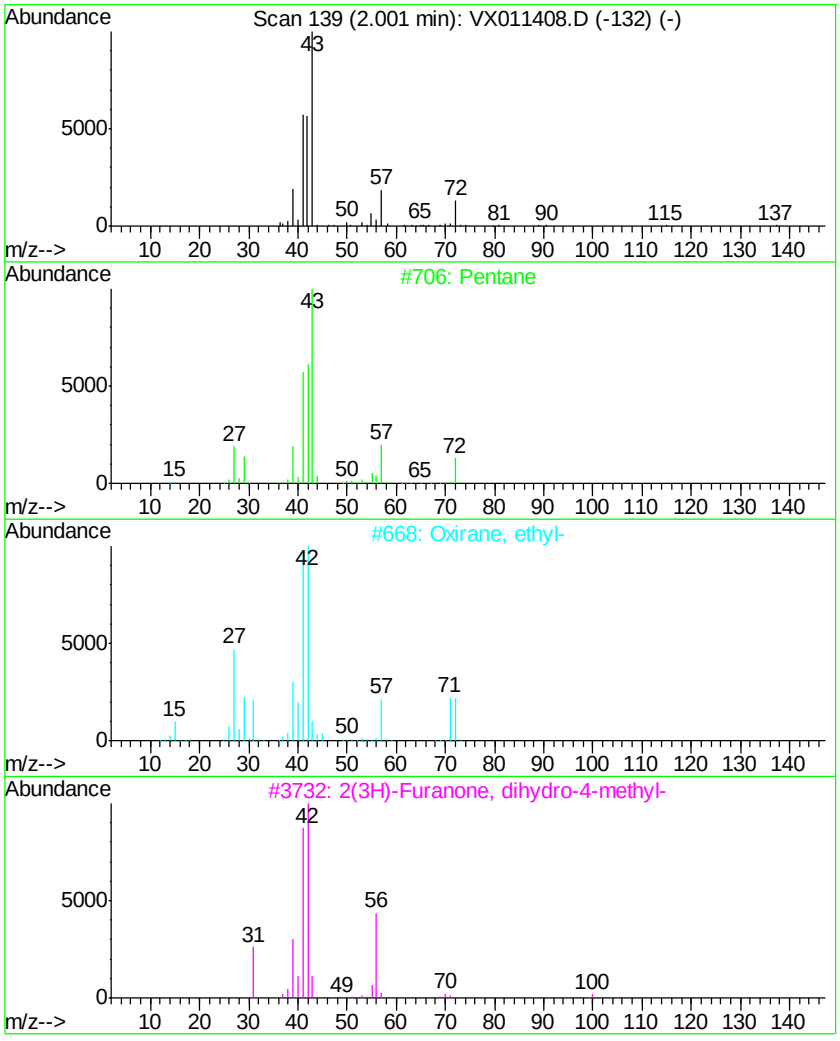
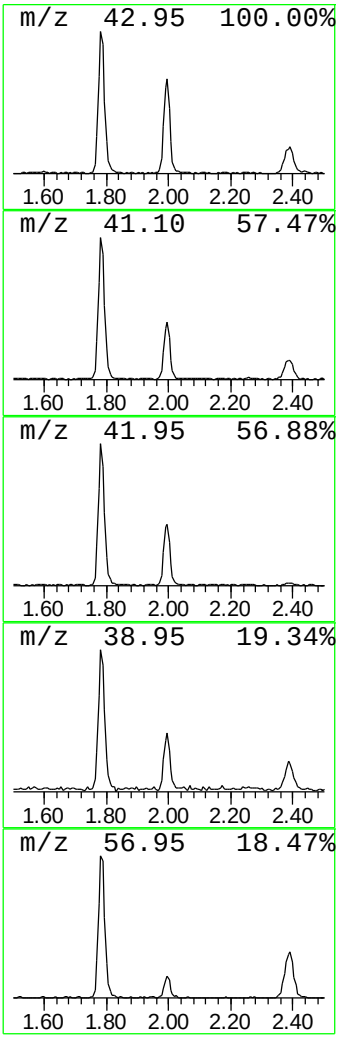
Peak Number 2 Pentane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	5.43 ug/l	66183	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	40
3	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	37
4	Butane, 2-methyl-	72	C5H12	000078-78-4	33
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011408.D
Acq On : 09 Aug 2019 14:32
Operator : JC/SP
Sample : K4279-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0669

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

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

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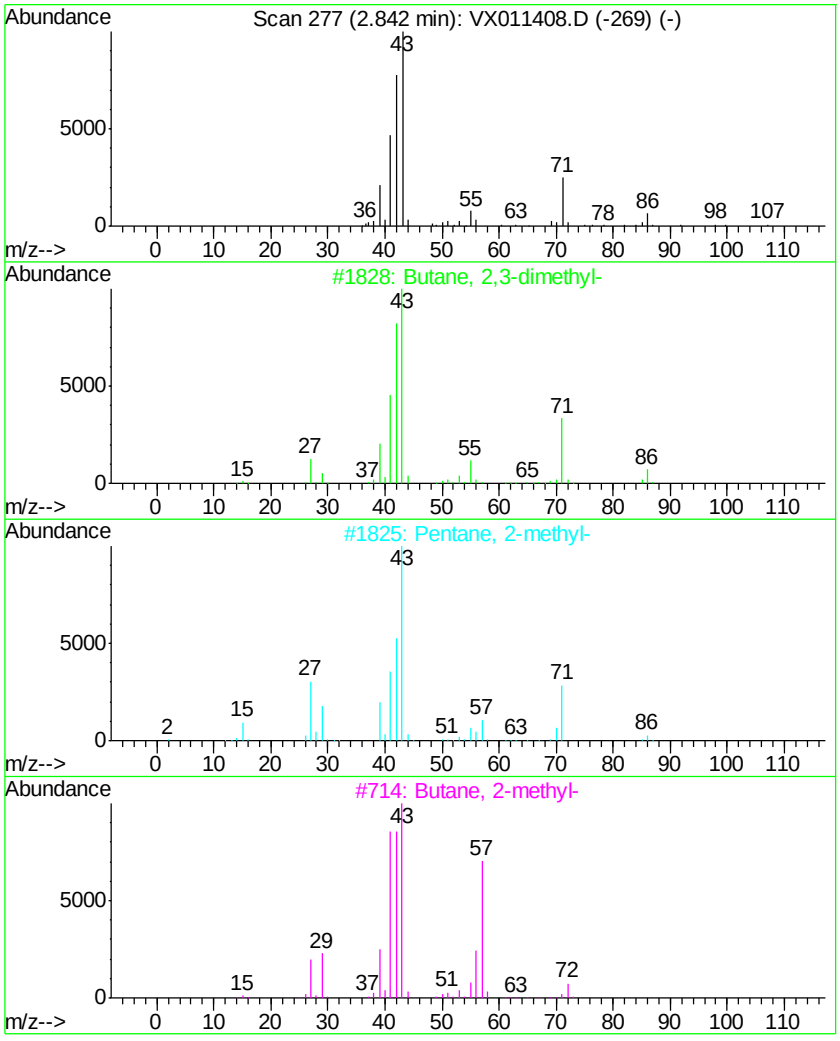
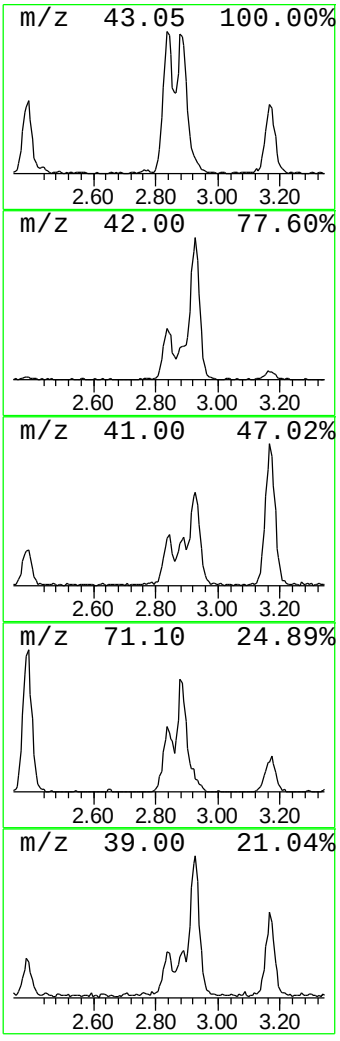
Peak Number 3 Butane, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.84	5.12 ug/l	62427	Pentafluorobenzene	5.65

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	47
3	Butane, 2-methyl-	72	C5H12	000078-78-4	38
4	Pentane	72	C5H12	000109-66-0	36
5	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011408.D
Acq On : 09 Aug 2019 14:32
Operator : JC/SP
Sample : K4279-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0669

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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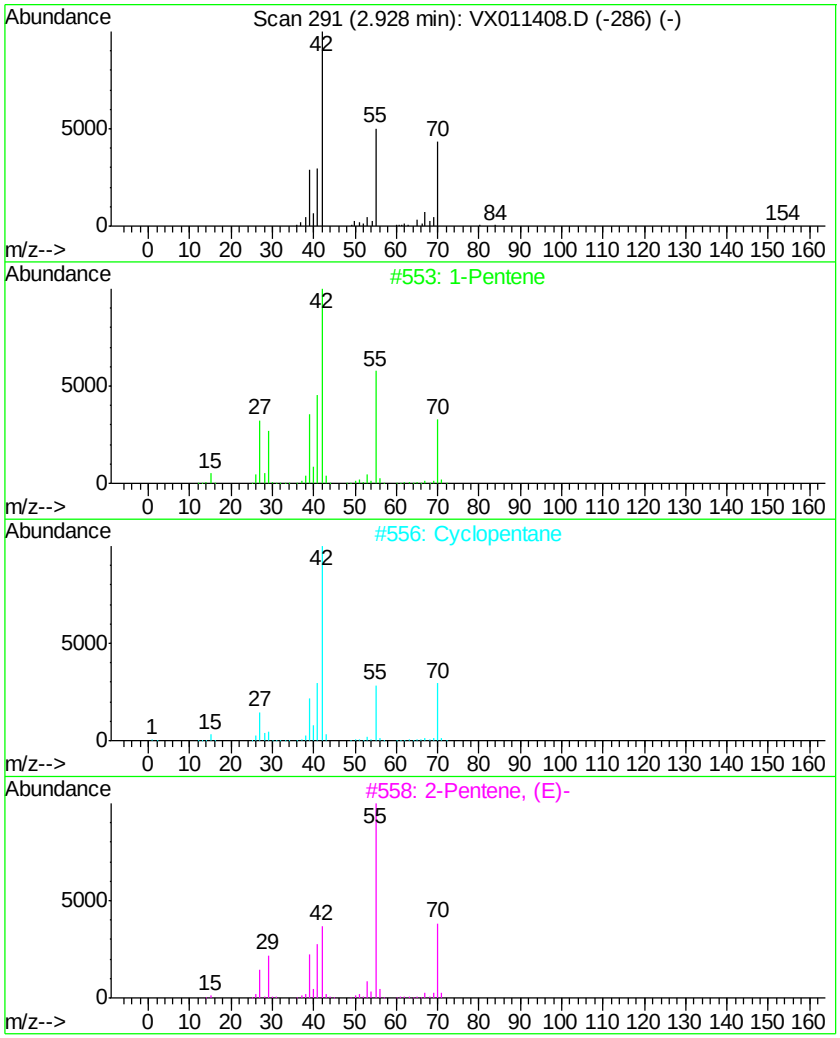
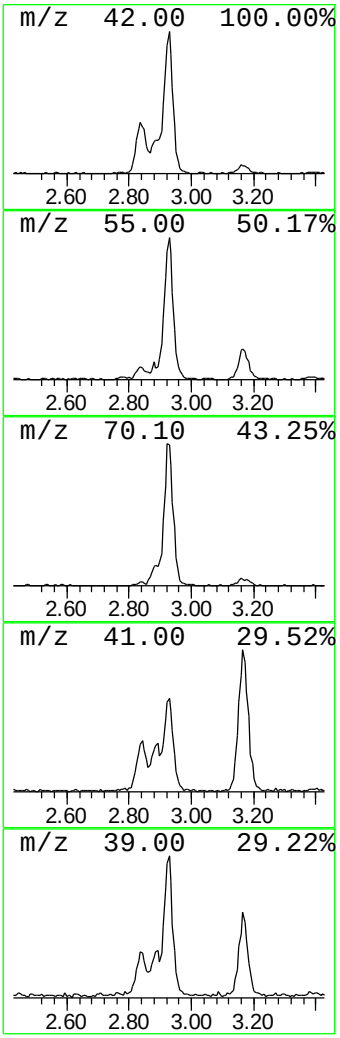
Peak Number 4 1-Pentene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	10.95 ug/l	133467	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	64
2	Cyclopentane	70	C5H10	000287-92-3	64
3	2-Pentene, (E)-	70	C5H10	000646-04-8	43
4	3-Buten-1-ol	72	C4H8O	000627-27-0	37
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011408.D
Acq On : 09 Aug 2019 14:32
Operator : JC/SP
Sample : K4279-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0669

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

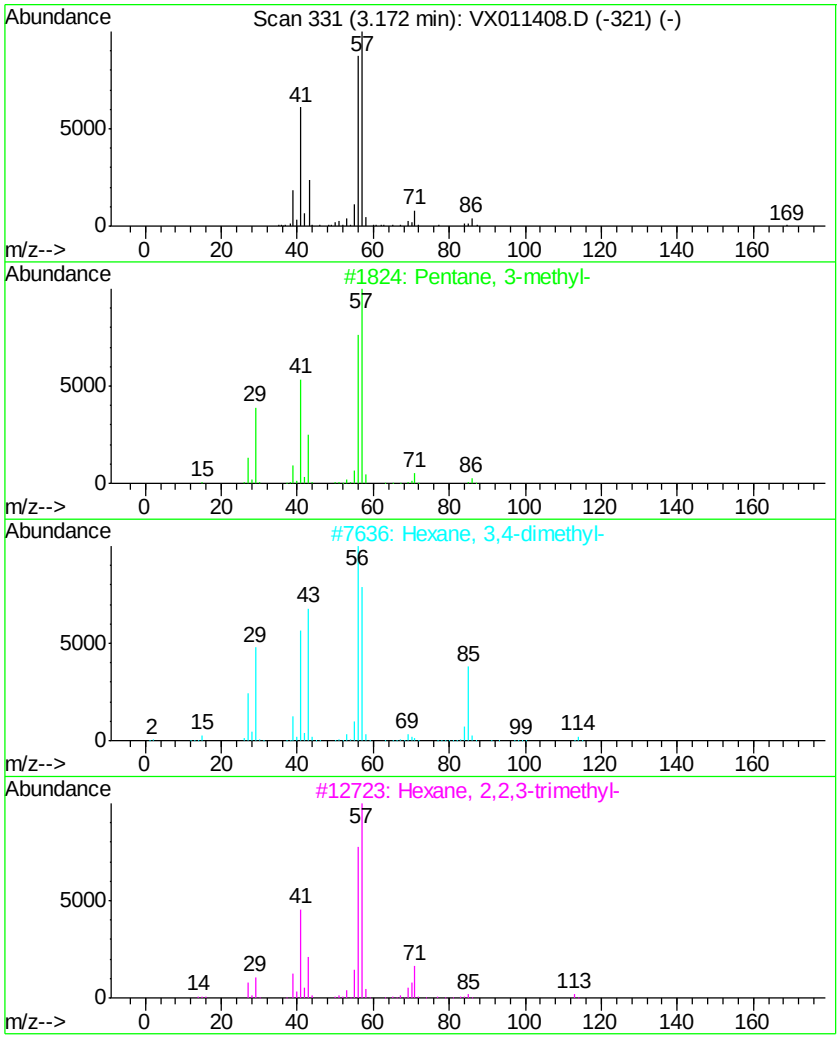
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

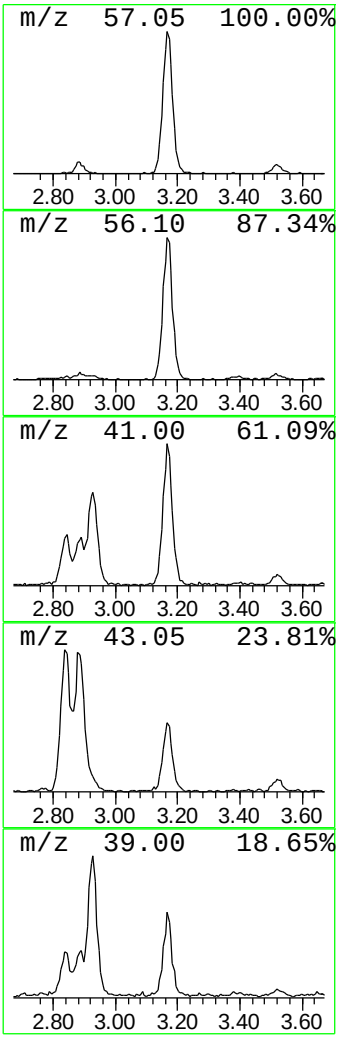
****

Peak Number 5 Pentane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	11.68 ug/l	142263	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	72
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
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Operator : JC/SP
Sample : K4279-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0669

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

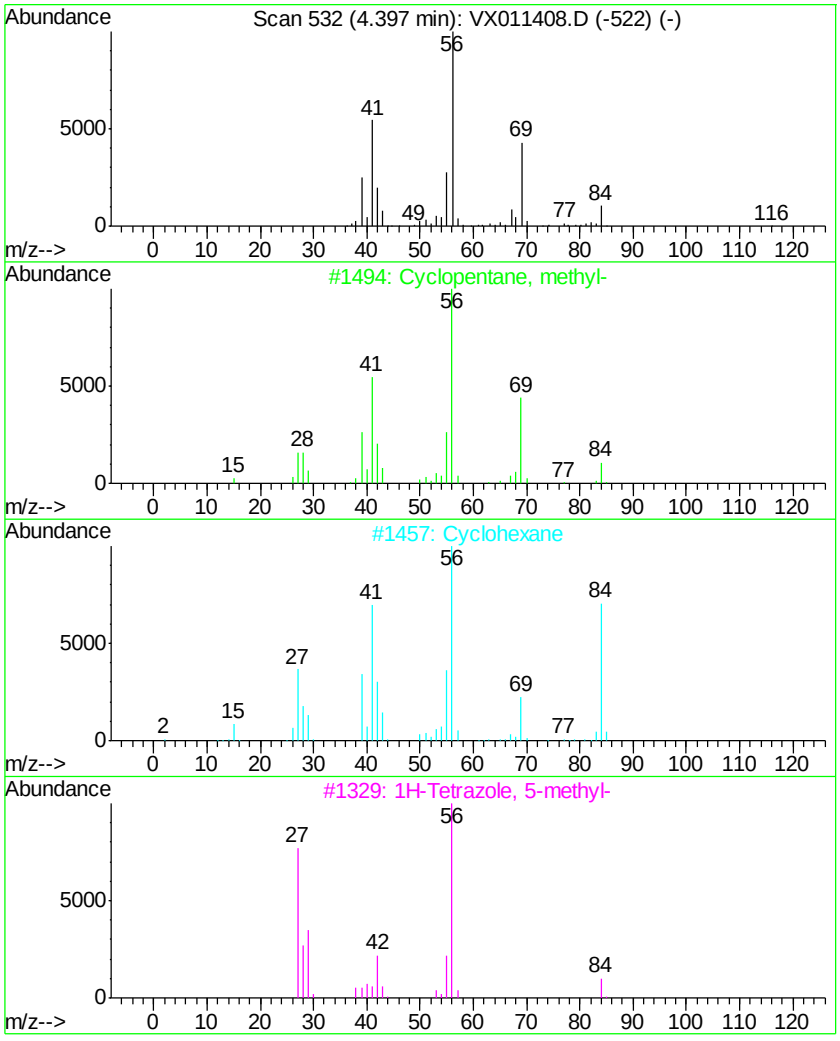
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

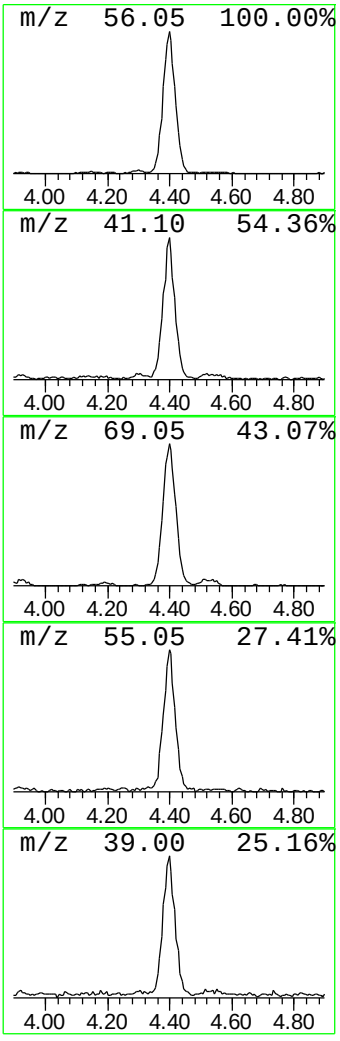
****

Peak Number 6 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	16.01 ug/l	195038	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	86
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011408.D
Acq On : 09 Aug 2019 14:32
Operator : JC/SP
Sample : K4279-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0669

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

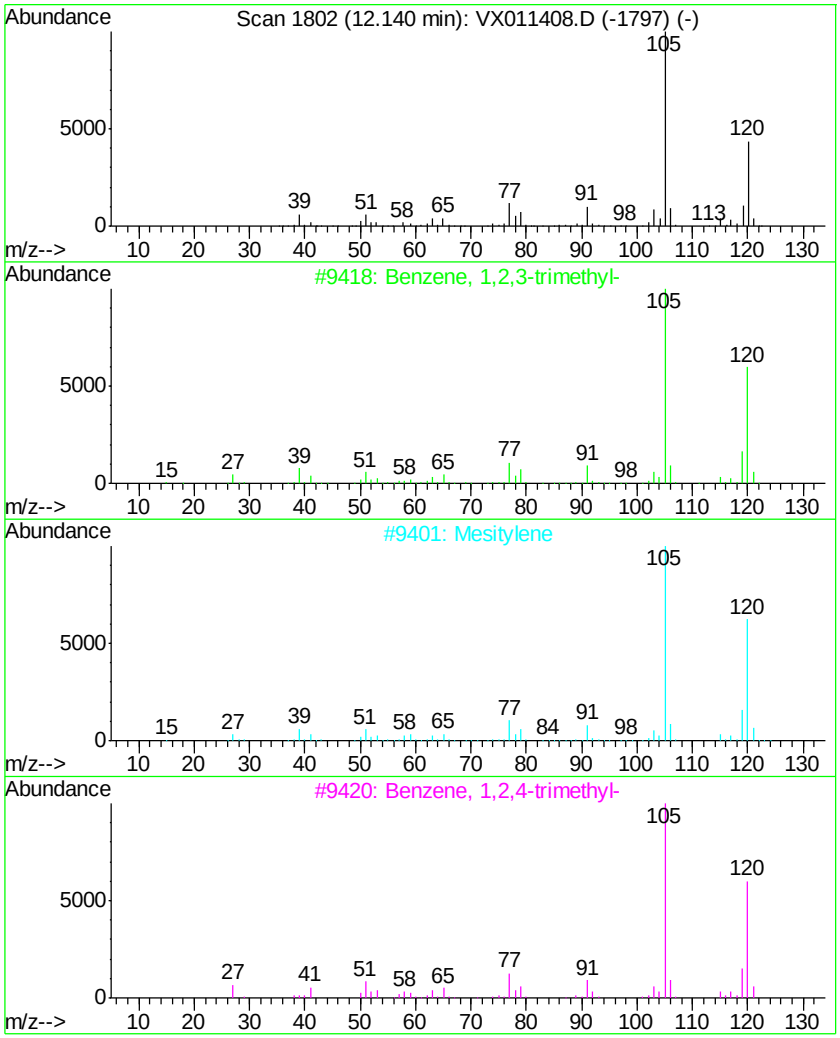
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

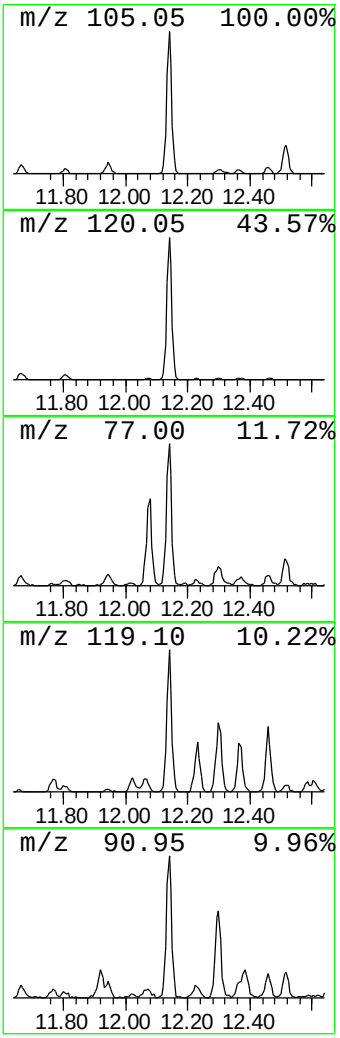
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	13.89 ug/l	206226	1,4-Dichlorobenzene-d4	12.07

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	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011408.D
Acq On : 09 Aug 2019 14:32
Operator : JC/SP
Sample : K4279-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0669

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260

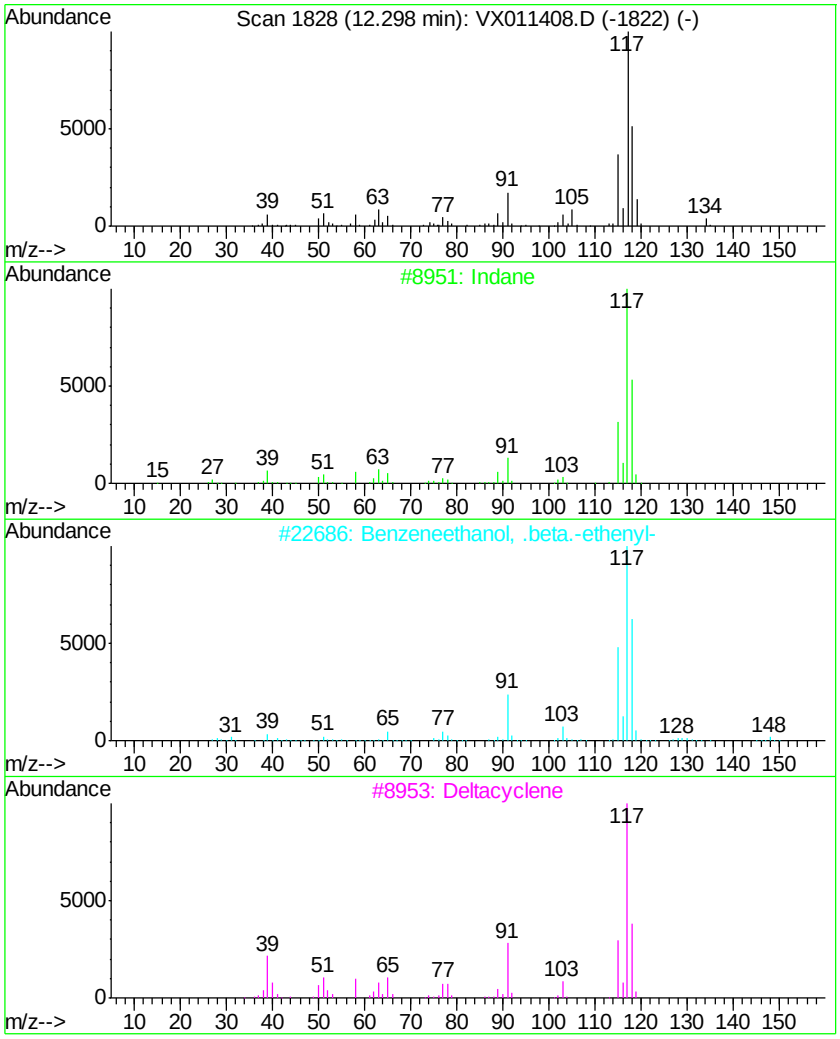
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

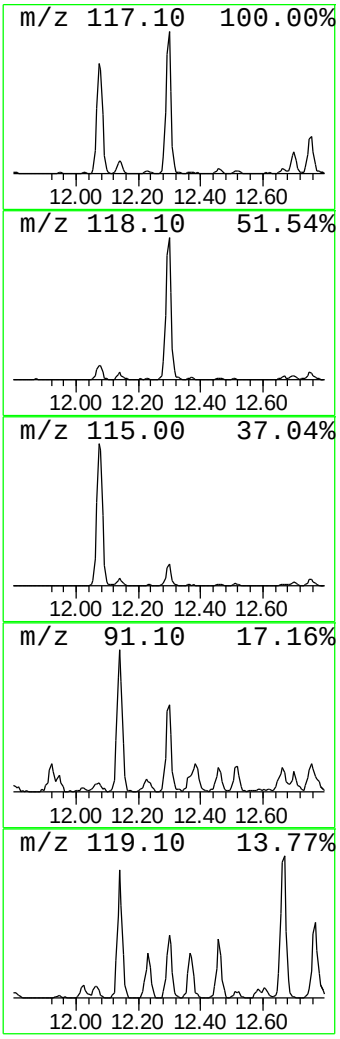
****

Peak Number 8 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	6.49 ug/l	96332	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	86
3	Deltacyclene	118	C9H10	007785-10-6	81
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	76
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011408.D
Acq On : 09 Aug 2019 14:32
Operator : JC/SP
Sample : K4279-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z3-0669

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.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-	1.78	12.2	ug/l	149145	1	5.65	609243	50.0
Pentane	2.00	5.4	ug/l	66183	1	5.65	609243	50.0
Butane, 2,3-dimet...	2.84	5.1	ug/l	62427	1	5.65	609243	50.0
1-Pentene	2.93	10.9	ug/l	133467	1	5.65	609243	50.0
Pentane, 3-methyl-	3.17	11.7	ug/l	142263	1	5.65	609243	50.0
Cyclopentane, met...	4.40	16.0	ug/l	195038	1	5.65	609243	50.0
Benzene, 1,2,3-tr...	12.14	13.9	ug/l	206226	4	12.07	742523	50.0
Indane	12.30	6.5	ug/l	96332	4	12.07	742523	50.0