LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
Data File : VX012951.D
Acq On : 09 Oct 2019 18:29
Operator : JC/SP
Sample : K5185-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

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\82X100819W.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	1.070	26	30	43	rBV	599410	727695	77.44%	7.461%
2	1.265	58	62	65	rBV	26720	33399	3.55%	0.342%
3	1.399	78	84	89	rBV	46498	50533	5.38%	0.518%
4	1.783	141	147	155	rBV	199376	267162	28.43%	2.739%
5	1.991	176	181	190	rVB	79046	109819	11.69%	1.126%
6	2.387	235	246	250	rBV2	13931	28891	3.07%	0.296%
7	2.430	250	253	261	rVB2	17560	28050	2.98%	0.288%
8	2.588	272	279	288	rBV	15248	28907	3.08%	0.296%
9	2.838	311	320	323	rBV	29948	65067	6.92%	0.667%
10	2.881	323	327	331	rVV	67841	140670	14.97%	1.442%
11	2.923	331	334	344	rVV	55689	117147	12.47%	1.201%
12	3.015	344	349	358	rVB3	12013	31776	3.38%	0.326%
13	3.161	365	373	385	rVB2	63105	144813	15.41%	1.485%
14	3.521	421	432	441	rBV2	14137	33776	3.59%	0.346%
15	4.393	565	575	590	rVB	89547	258817	27.54%	2.654%
16	4.588	595	607	615	rVV2	30481	86979	9.26%	0.892%
17	4.673	615	621	633	rVB2	10054	31454	3.35%	0.323%
18	5.490	741	755	763	rBV2	103129	301564	32.09%	3.092%
19	5.569	763	768	773	rVV3	29976	88364	9.40%	0.906%
20	5.655	773	782	806	rVB	192082	602569	64.12%	6.178%
21	5.917	817	825	838	rVB4	13013	40710	4.33%	0.417%
22	6.057	838	848	855	rBV	123635	321497	34.21%	3.296%
23	6.136	855	861	871	rVB	68109	170643	18.16%	1.750%
24	6.252	872	880	883	rBV4	10278	23444	2.49%	0.240%
25	6.343	890	895	905	rVB5	14290	38326	4.08%	0.393%
26	6.453	905	913	924	rVB3	9285	26563	2.83%	0.272%
27	6.849	969	978	990	rBV	298460	699440	74.43%	7.172%
28	7.453	1066	1077	1086	rBV4	39959	106496	11.33%	1.092%
29	7.733	1116	1123	1134	rVB4	8959	18878	2.01%	0.194%
30	7.965	1156	1161	1167	rVV5	12331	28462	3.03%	0.292%
31	8.050	1167	1175	1184	rVB3	5513	14378	1.53%	0.147%
32	8.172	1187	1195	1203	rBV2	9995	21462	2.28%	0.220%
33	8.550	1251	1257	1268	rVB2	12436	28148	3.00%	0.289%
34	8.666	1268	1276	1277	rBV3	6853	11114	1.18%	0.114%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
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Acq On : 09 Oct 2019 18:29
Operator : JC/SP
Sample : K5185-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

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\82X100819W.M
Title : SW846 8260

35	8.709	1277	1283	1290	rVV	609687	939704	100.00%	9.635%
36	8.782	1290	1295	1300	rVB	26053	43652	4.65%	0.448%
37	9.160	1350	1357	1364	rVB3	7321	14434	1.54%	0.148%
38	10.111	1507	1513	1522	rBV	563381	786669	83.71%	8.066%
39	10.245	1530	1535	1542	rBV	40273	57835	6.15%	0.593%
40	10.355	1546	1553	1560	rBV	117980	162817	17.33%	1.669%
41	10.696	1605	1609	1621	rVB3	7121	11346	1.21%	0.116%
42	11.013	1656	1661	1667	rBV	103015	130028	13.84%	1.333%
43	11.135	1675	1681	1693	rVB	437959	585374	62.29%	6.002%
44	11.355	1713	1717	1724	rBV	44125	58200	6.19%	0.597%
45	11.452	1726	1733	1737	rVV	17088	23251	2.47%	0.238%
46	11.501	1737	1741	1750	rVB	12344	16660	1.77%	0.171%
47	11.666	1763	1768	1774	rVB	68871	87773	9.34%	0.900%
48	12.074	1829	1835	1842	rBV	574539	704842	75.01%	7.227%
49	12.135	1842	1845	1850	rVB	17964	23243	2.47%	0.238%
50	12.294	1863	1871	1878	rBV	373921	479813	51.06%	4.920%
51	12.367	1878	1883	1891	rVB2	22798	33667	3.58%	0.345%
52	12.458	1894	1898	1902	rVB	16388	19591	2.08%	0.201%
53	12.513	1902	1907	1914	rVB	25433	30468	3.24%	0.312%
54	12.665	1926	1932	1935	rBV	112834	146840	15.63%	1.506%
55	12.696	1935	1937	1941	rVV	22324	24506	2.61%	0.251%
56	12.751	1941	1946	1953	rVV2	87141	122009	12.98%	1.251%
57	12.970	1975	1982	1987	rBV	98168	120560	12.83%	1.236%
58	13.074	1995	1999	2006	rBV5	7035	13387	1.42%	0.137%
59	13.220	2019	2023	2030	rVV	41609	54053	5.75%	0.554%
60	13.342	2038	2043	2049	rVV3	101131	146217	15.56%	1.499%
61	13.629	2087	2090	2095	rVB3	12008	16609	1.77%	0.170%
62	13.714	2102	2104	2110	rVB3	9568	14155	1.51%	0.145%
63	13.830	2118	2123	2130	rBV	64329	81529	8.68%	0.836%
64	14.690	2256	2264	2274	rVB	24689	33448	3.56%	0.343%
65	14.836	2281	2288	2293	rBV	32793	43047	4.58%	0.441%

Sum of corrected areas: 9752740

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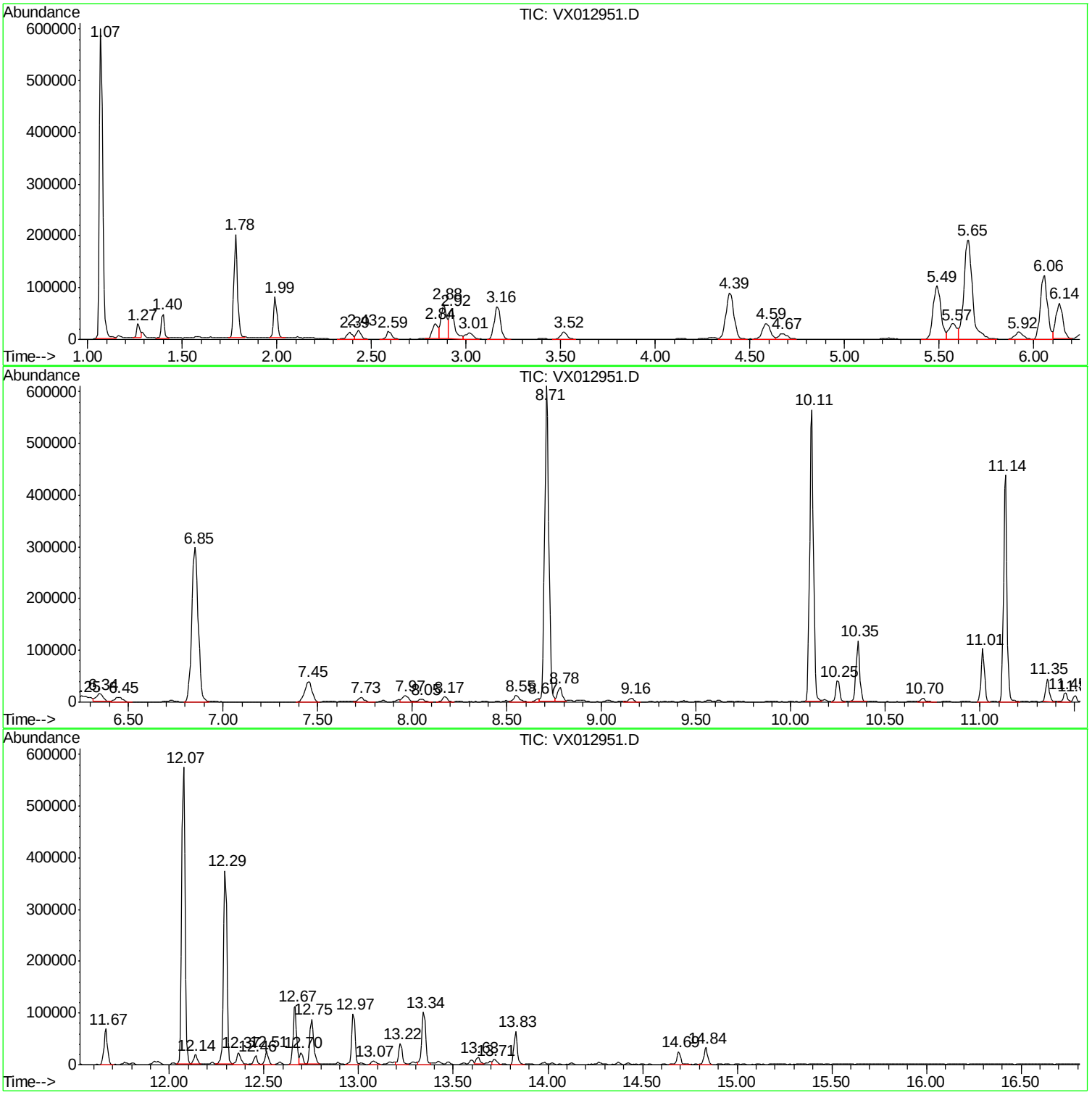
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100919\
Data File : VX012951.D
Acq On : 09 Oct 2019 18:29
Operator : JC/SP
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

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

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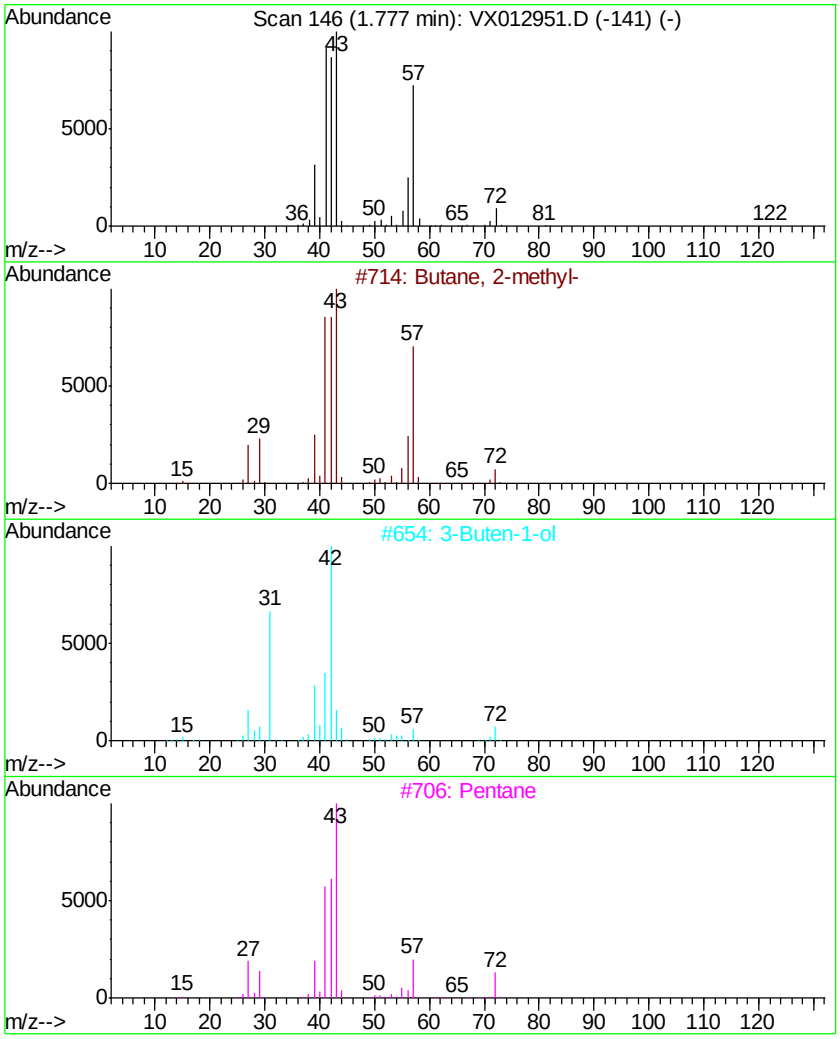
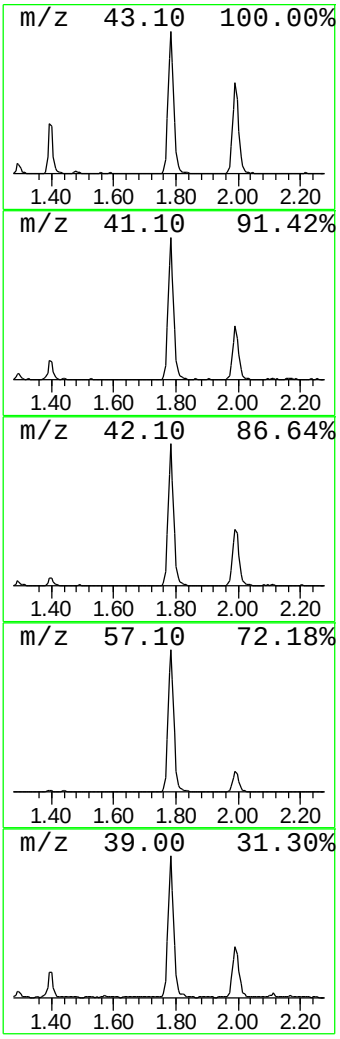
Peak Number 2 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	22.17 ug/l	267162	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	33
4	1-Butene	56	C4H8	000106-98-9	10
5	Azetidine	57	C3H7N	000503-29-7	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
Data File : VX012951.D
Acq On : 09 Oct 2019 18:29
Operator : JC/SP
Sample : K5185-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

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

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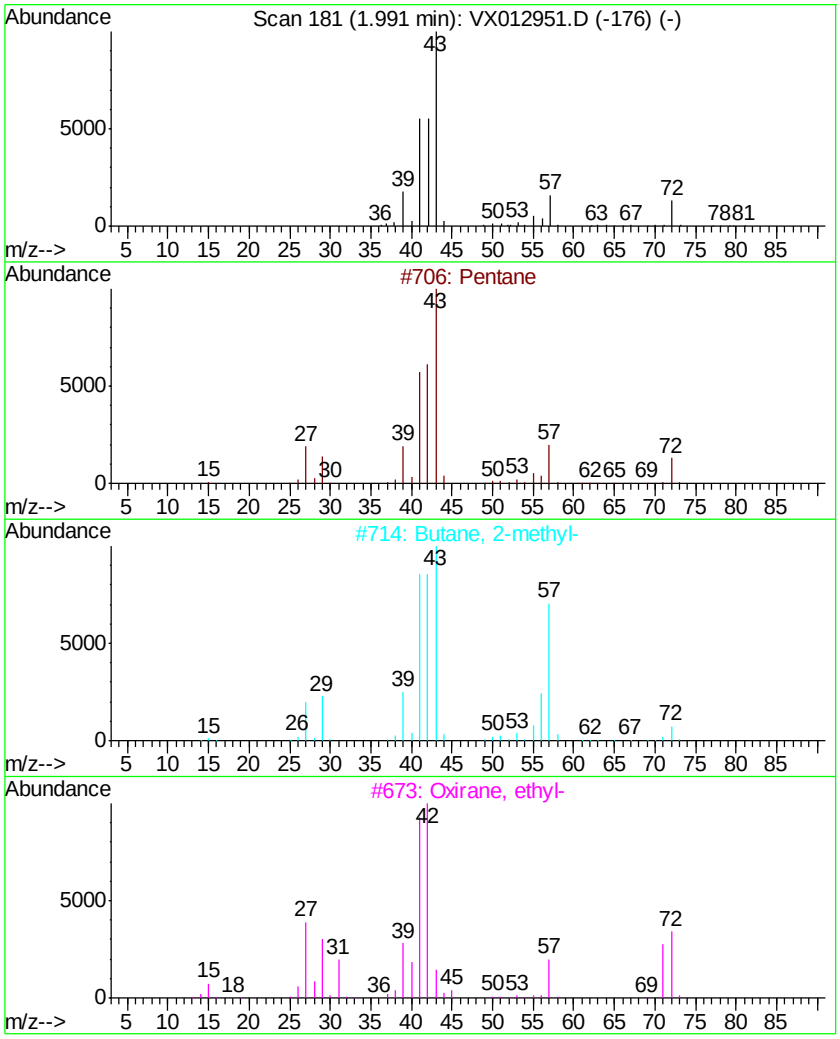
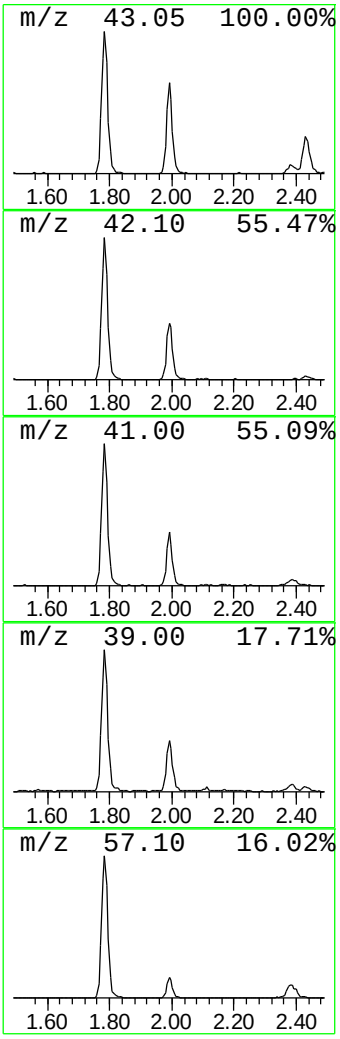
Peak Number 3 Pentane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.99	9.11 ug/l	109819	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	53
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
4	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	39
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	17





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100919\
Data File : VX012951.D
Acq On : 09 Oct 2019 18:29
Operator : JC/SP
Sample : K5185-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

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

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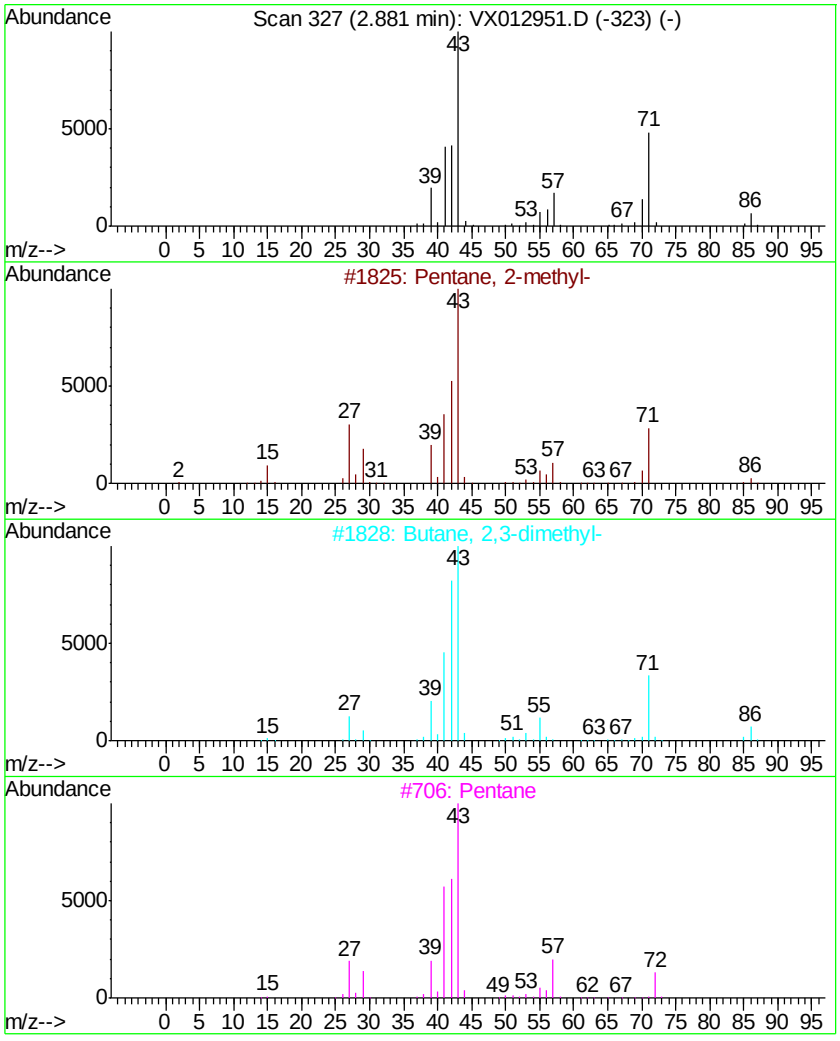
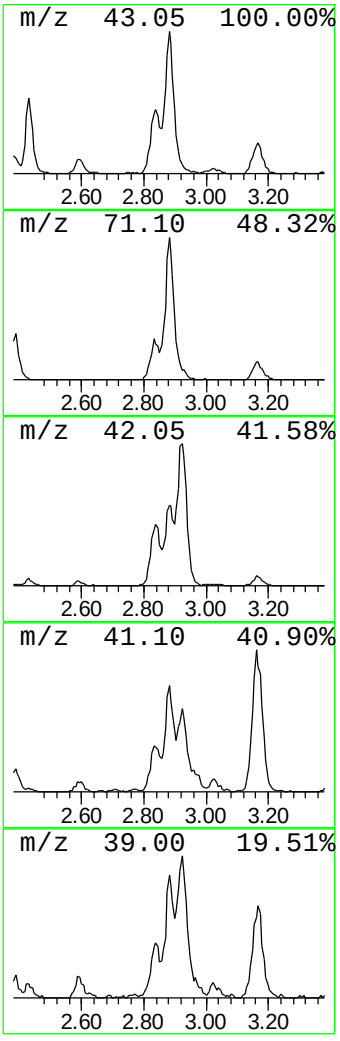
Peak Number 4 Pentane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	11.67 ug/l	140670	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	52
3	Pentane	72	C5H12	000109-66-0	38
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38
5	3-Pyrrolidinol	87	C4H9NO	040499-83-0	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100919\
Data File : VX012951.D
Acq On : 09 Oct 2019 18:29
Operator : JC/SP
Sample : K5185-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

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

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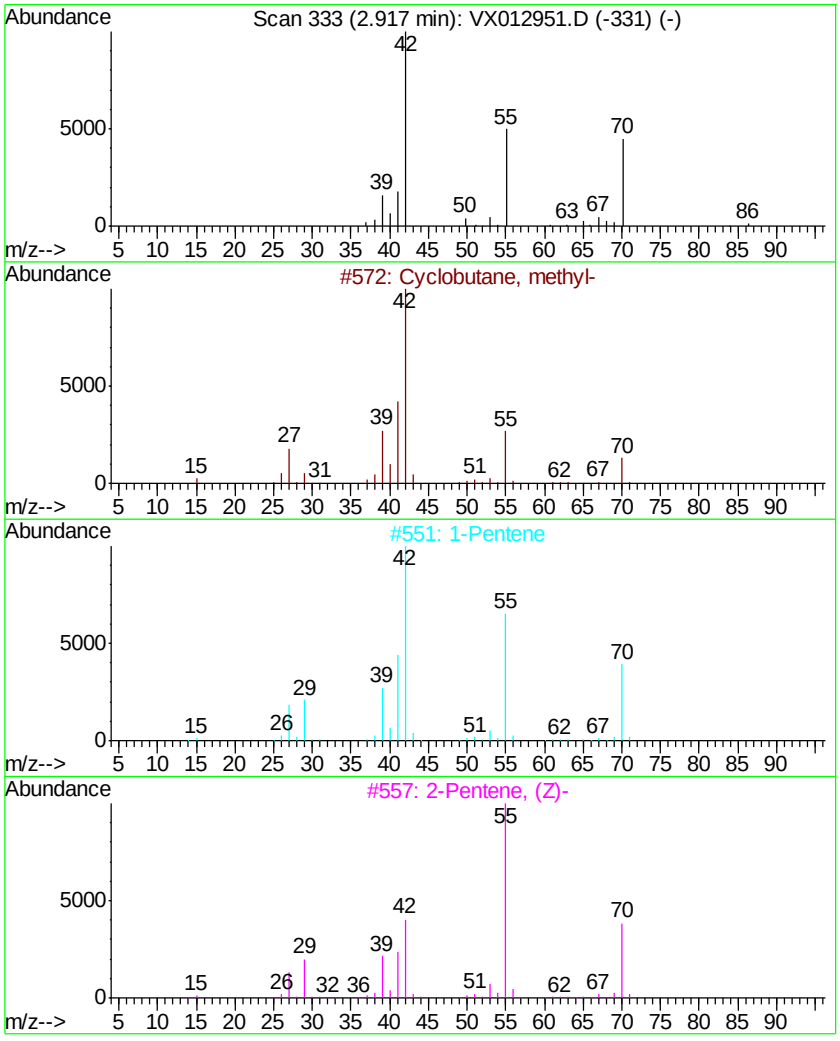
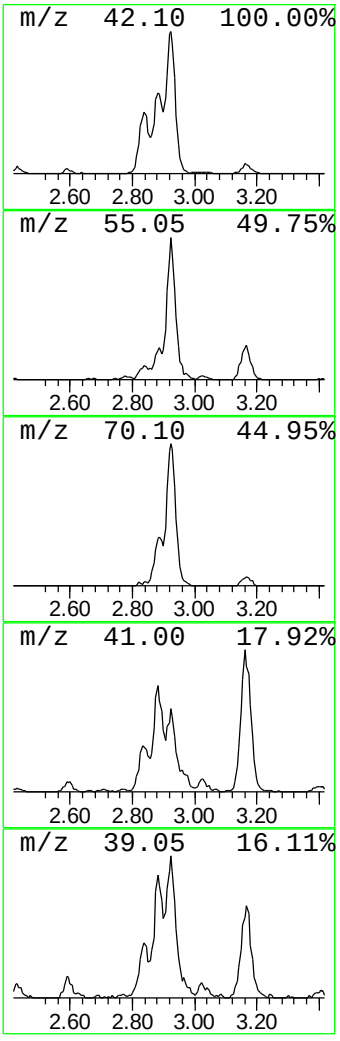
Peak Number 5 Cyclobutane, methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.92	9.72 ug/l	117147	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	80
2	1-Pentene	70	C5H10	000109-67-1	56
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	47
4	1-Pentanol	88	C5H12O	000071-41-0	40
5	2H-Tetrazole, 2,5-dimethyl-	98	C3H6N4	004135-93-7	39





Library Search Compound Report

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Data File : VX012951.D
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Sample : K5185-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

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

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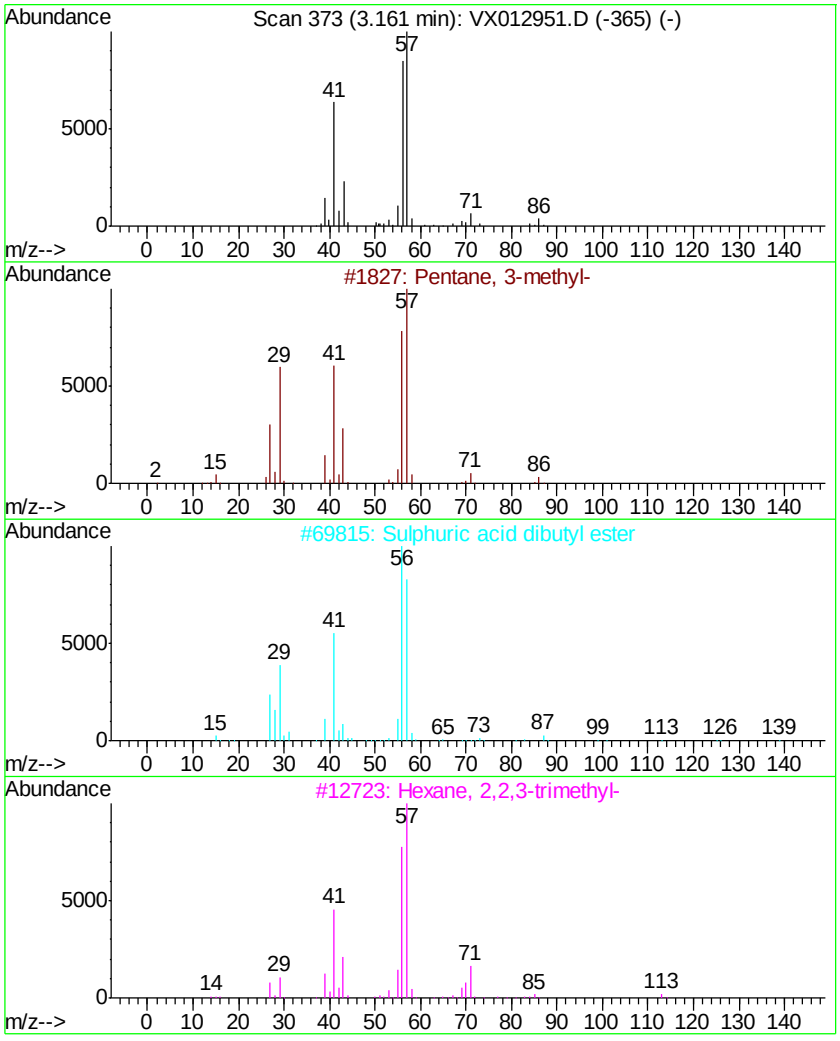
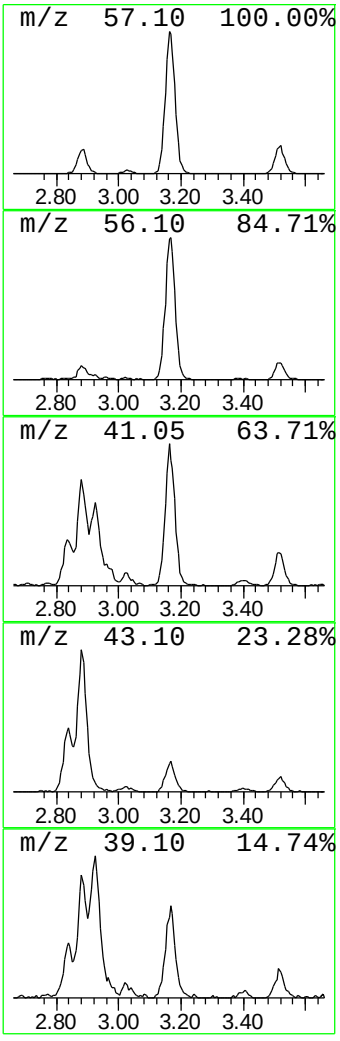
Peak Number 6 Pentane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	12.02 ug/l	144813	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	78
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	53
5	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100919\
Data File : VX012951.D
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Operator : JC/SP
Sample : K5185-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

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

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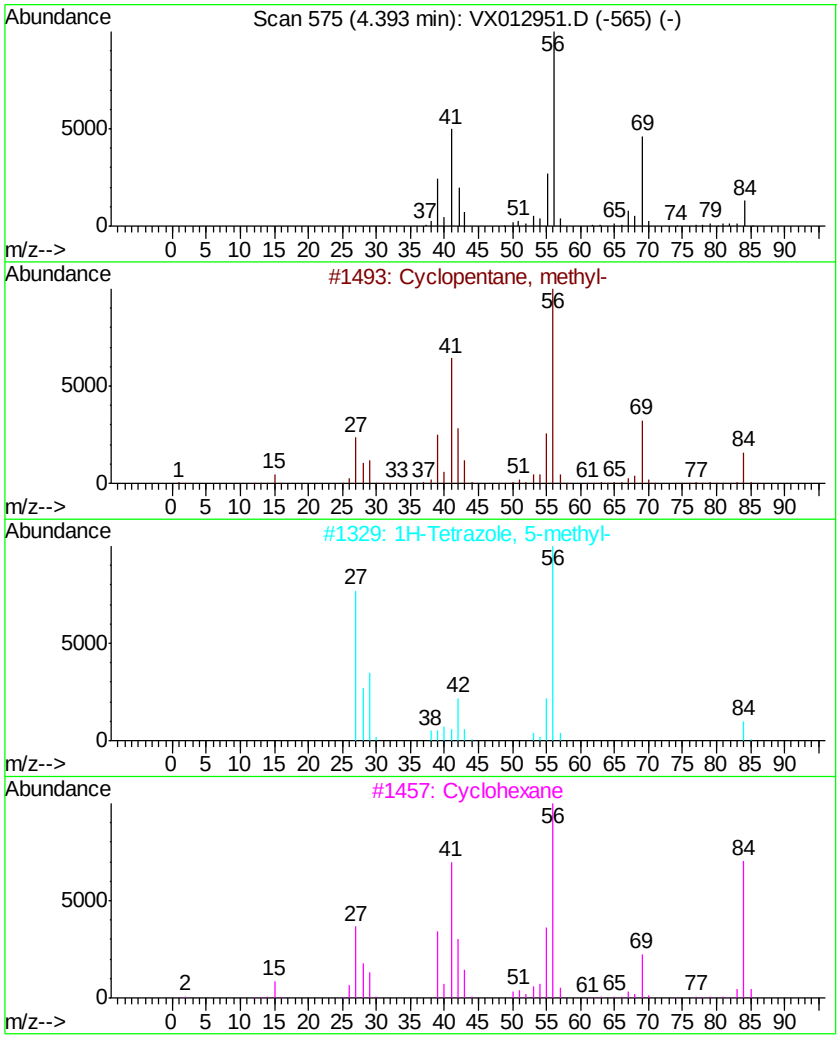
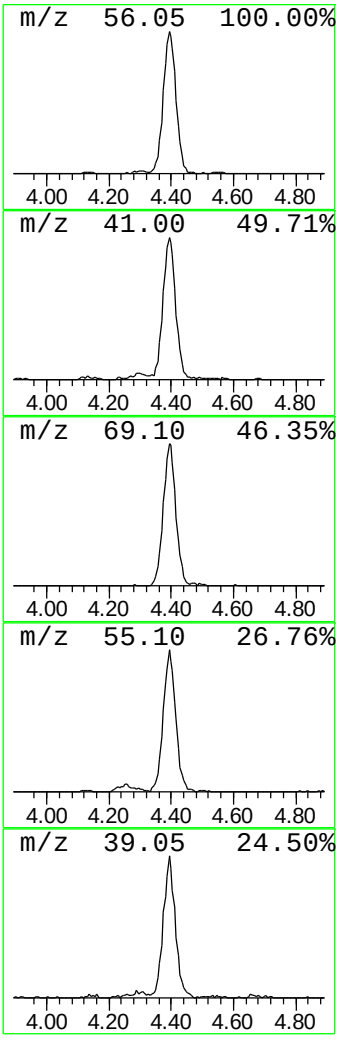
Peak Number 7 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	21.48 ug/l	258817	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100919\
Data File : VX012951.D
Acq On : 09 Oct 2019 18:29
Operator : JC/SP
Sample : K5185-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

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

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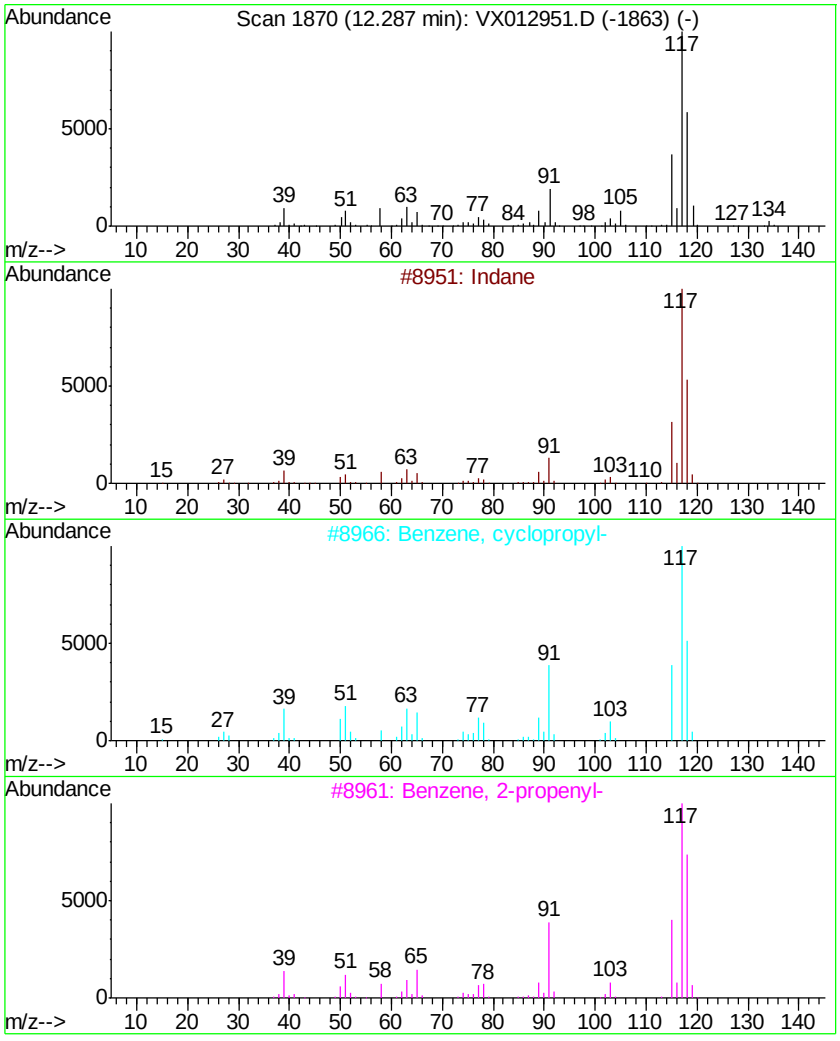
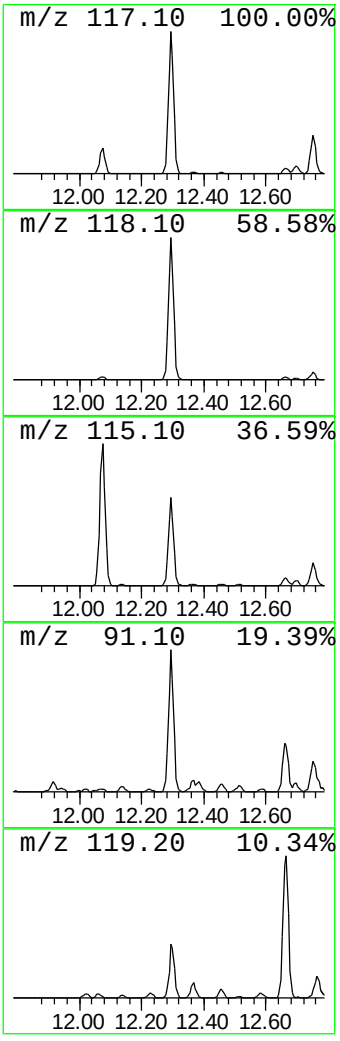
Peak Number 8 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	34.04 ug/l	479813	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	76
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100919\
Data File : VX012951.D
Acq On : 09 Oct 2019 18:29
Operator : JC/SP
Sample : K5185-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

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

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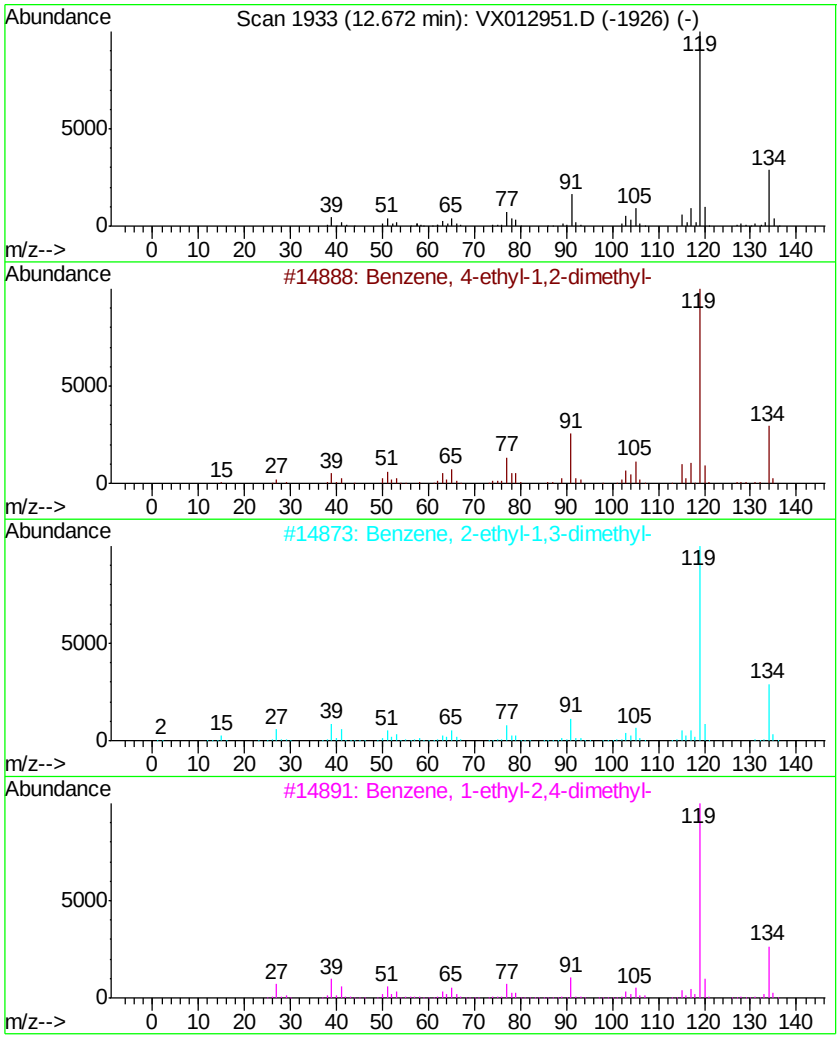
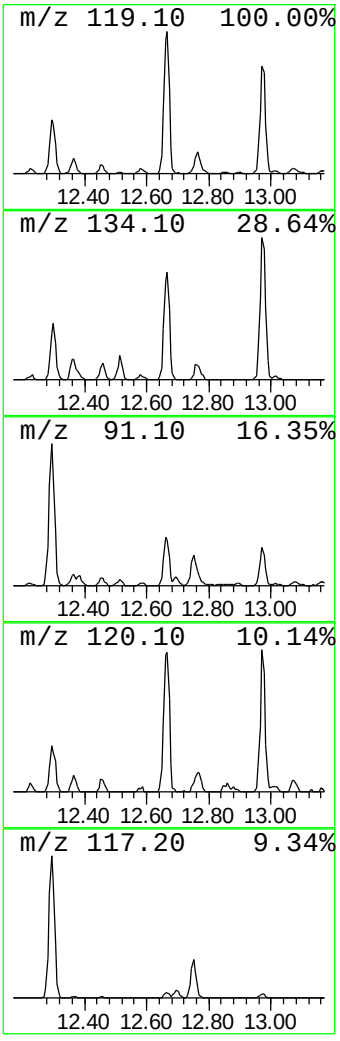
Peak Number 9 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	10.42 ug/l	146840	1,4-Dichlorobenzene-d4	12.07

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-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100919\
Data File : VX012951.D
Acq On : 09 Oct 2019 18:29
Operator : JC/SP
Sample : K5185-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260

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

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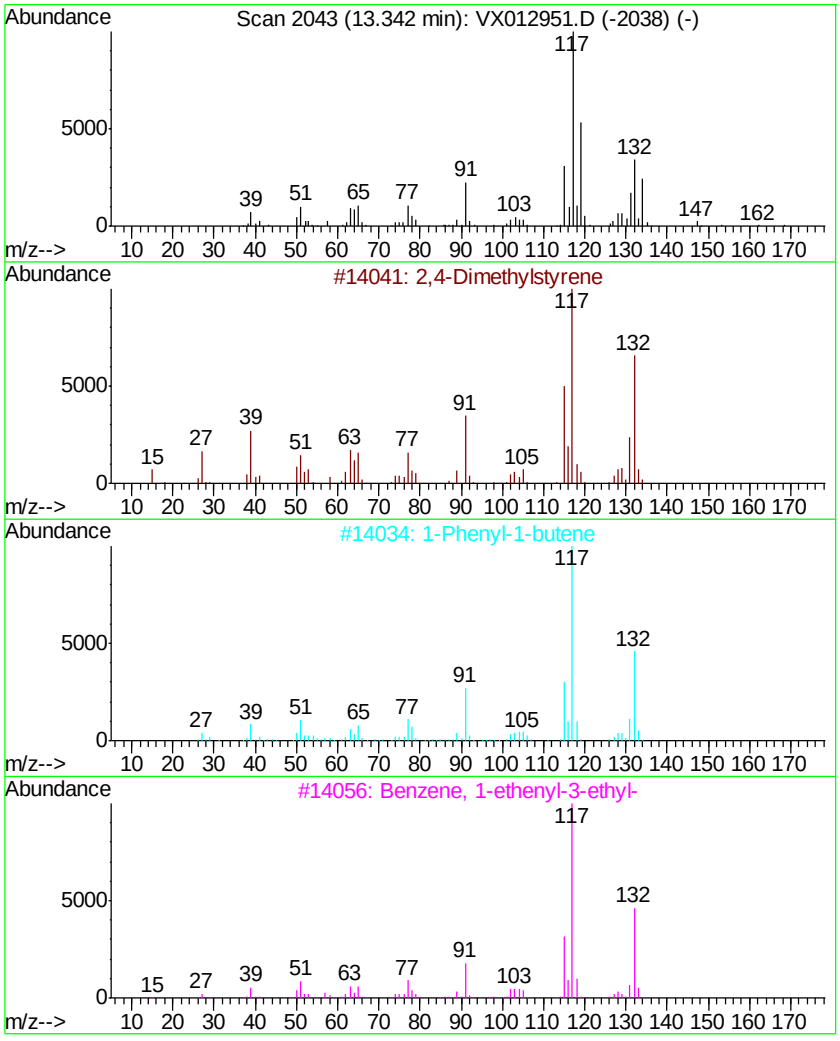
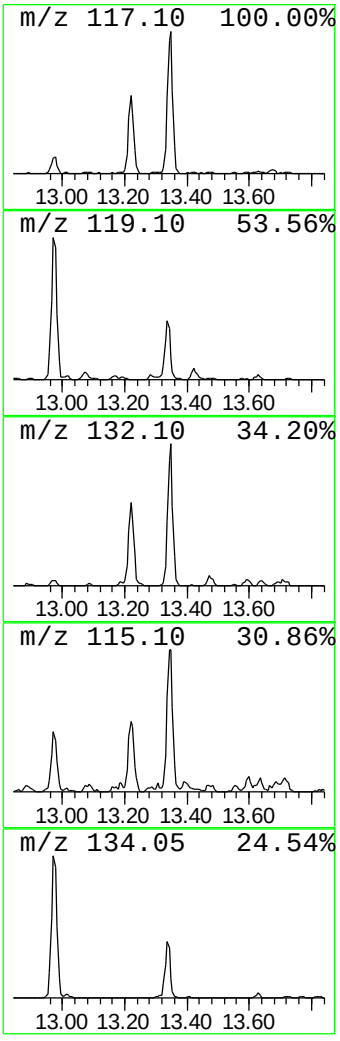
Peak Number 10 2,4-Dimethylstyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	10.37 ug/l	146217	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100919\
Data File : VX012951.D
Acq On : 09 Oct 2019 18:29
Operator : JC/SP
Sample : K5185-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : WC-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.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	22.2	ug/l	267162	1	5.65	602569	50.0
Pentane	1.99	9.1	ug/l	109819	1	5.65	602569	50.0
Pentane, 2-methyl-	2.88	11.7	ug/l	140670	1	5.65	602569	50.0
Cyclobutane, methyl-	2.92	9.7	ug/l	117147	1	5.65	602569	50.0
Pentane, 3-methyl-	3.16	12.0	ug/l	144813	1	5.65	602569	50.0
Cyclopentane, met...	4.39	21.5	ug/l	258817	1	5.65	602569	50.0
Indane	12.29	34.0	ug/l	479813	4	12.07	704842	50.0
Benzene, 4-ethyl-...	12.67	10.4	ug/l	146840	4	12.07	704842	50.0
2,4-Dimethylstyrene	13.34	10.4	ug/l	146217	4	12.07	704842	50.0