LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_U\METHOD\SOMULM021519WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.273	51	57	64	rBV2	879658	1063039	5.45%	1.729%
2	1.322	65	72	85	rVV	19007794	19511534	100.00%	31.732%
3	1.492	122	125	131	rVB	304789	269668	1.38%	0.439%
4	2.280	360	370	379	rBV	188694	293505	1.50%	0.477%
5	2.476	425	431	440	rVB2	5804	9502	0.05%	0.015%
6	2.550	444	454	467	rBV2	37468	73131	0.37%	0.119%
7	2.617	468	475	485	rVB	10173	17486	0.09%	0.028%
8	2.698	485	500	530	rBV	2680318	5924936	30.37%	9.636%
9	2.820	532	538	558	rVB3	21584	48306	0.25%	0.079%
10	2.987	579	590	613	rVB7	13016	36810	0.19%	0.060%
11	3.444	722	732	754	rVB3	8835	25031	0.13%	0.041%
12	3.820	837	849	857	rBV6	5849	14654	0.08%	0.024%
13	4.177	948	960	981	rBV	39601	136369	0.70%	0.222%
14	4.672	1088	1114	1173	rBV	3546940	11382503	58.34%	18.512%
15	4.910	1178	1188	1208	rVB3	68686	179446	0.92%	0.292%
16	5.132	1240	1257	1297	rVB	814741	1957288	10.03%	3.183%
17	5.305	1297	1311	1328	rBV2	203372	474104	2.43%	0.771%
18	5.383	1330	1335	1354	rVB6	28750	66760	0.34%	0.109%
19	5.727	1429	1442	1460	rBV2	32980	70963	0.36%	0.115%
20	5.881	1474	1490	1523	rBV	471138	936241	4.80%	1.523%
21	6.055	1534	1544	1552	rVB	5334	10573	0.05%	0.017%
22	6.180	1569	1583	1615	rVV	981535	2071503	10.62%	3.369%
23	6.328	1616	1629	1650	rVV	359040	754099	3.86%	1.226%
24	6.431	1651	1661	1677	rVB4	25187	54462	0.28%	0.089%
25	6.614	1712	1718	1733	rVB3	10205	19771	0.10%	0.032%
26	6.701	1736	1745	1748	rBV	14516	18992	0.10%	0.031%
27	6.752	1749	1761	1783	rVB	567186	1057322	5.42%	1.720%
28	7.087	1853	1865	1876	rBV3	25638	63480	0.33%	0.103%
29	7.209	1894	1903	1916	rVB2	23921	48593	0.25%	0.079%
30	7.357	1932	1949	1964	rBV2	13038	45274	0.23%	0.074%
31	7.460	1969	1981	1995	rBV3	92062	202883	1.04%	0.330%
32	7.537	1996	2005	2020	rVV2	89579	166853	0.86%	0.271%
33	7.643	2030	2038	2049	rVB	42683	73550	0.38%	0.120%
34	7.852	2091	2103	2114	rVV	129536	239176	1.23%	0.389%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_U\METHOD\SOMULM021519WMA.M
Title : VOC Analysis

35	7.913	2114	2122	2143	rVV	67536	138098	0.71%	0.225%
36	8.019	2146	2155	2162	rVV5	13494	30157	0.15%	0.049%
37	8.064	2162	2169	2188	rVB5	26997	56249	0.29%	0.091%
38	8.170	2188	2202	2208	rBV7	12056	27449	0.14%	0.045%
39	8.228	2208	2220	2235	rVV4	148300	369729	1.89%	0.601%
40	8.305	2235	2244	2275	rVV	537111	962790	4.93%	1.566%
41	8.431	2279	2283	2284	rVV3	14365	12406	0.06%	0.020%
42	8.473	2287	2296	2316	rVB	120105	221880	1.14%	0.361%
43	8.630	2338	2345	2351	rBV10	6360	10165	0.05%	0.017%
44	8.675	2353	2359	2377	rVB6	15351	27853	0.14%	0.045%
45	8.968	2439	2450	2462	rVV8	18359	36606	0.19%	0.060%
46	9.087	2474	2487	2499	rBV	138642	242647	1.24%	0.395%
47	9.161	2499	2510	2519	rVV	312149	545535	2.80%	0.887%
48	9.206	2519	2524	2534	rVB	77187	120513	0.62%	0.196%
49	9.331	2548	2563	2590	rVB2	50883	121199	0.62%	0.197%
50	9.508	2611	2618	2632	rVB	15762	30158	0.15%	0.049%
51	9.813	2700	2713	2725	rVV2	27139	44711	0.23%	0.073%
52	9.923	2738	2747	2752	rVV4	10427	16107	0.08%	0.026%
53	9.961	2754	2759	2773	rVB6	17009	28704	0.15%	0.047%
54	10.038	2773	2783	2787	rBV9	5904	10713	0.05%	0.017%
55	10.148	2805	2817	2835	rVB4	28440	60980	0.31%	0.099%
56	10.238	2838	2845	2857	rBV10	5564	10130	0.05%	0.016%
57	10.370	2878	2886	2892	rBV3	10884	17644	0.09%	0.029%
58	10.427	2892	2904	2919	rVV	627075	1017285	5.21%	1.654%
59	10.511	2920	2930	2949	rVB	48309	90441	0.46%	0.147%
60	10.617	2951	2963	2976	rVV2	37433	72326	0.37%	0.118%
61	10.730	2984	2998	3009	rBV3	73966	129497	0.66%	0.211%
62	10.926	3049	3059	3071	rVV3	31123	53862	0.28%	0.088%
63	11.029	3079	3091	3100	rBV4	46832	83931	0.43%	0.136%
64	11.099	3102	3113	3120	rVV	158049	258216	1.32%	0.420%
65	11.138	3120	3125	3138	rVB2	60703	97807	0.50%	0.159%
66	11.212	3139	3148	3157	rBV6	32329	59811	0.31%	0.097%
67	11.315	3171	3180	3190	rVB10	14667	30359	0.16%	0.049%
68	11.411	3202	3210	3219	rBV5	17042	33449	0.17%	0.054%
69	11.479	3219	3231	3248	rBV	2303106	3573589	18.32%	5.812%
70	11.588	3259	3265	3275	rVB4	17051	24483	0.13%	0.040%
71	11.739	3302	3312	3335	rBV	370801	626868	3.21%	1.019%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_U\METHOD\SOMULM021519WMA.M
Title : VOC Analysis

72	11.855	3336	3348	3363	rBV	1636229	2584501	13.25%	4.203%
73	11.971	3375	3384	3392	rBV5	29093	49931	0.26%	0.081%
74	12.013	3393	3397	3403	rVB5	7756	9538	0.05%	0.016%
75	12.138	3422	3436	3449	rBV8	13996	37416	0.19%	0.061%
76	12.247	3464	3470	3484	rVB2	11271	19187	0.10%	0.031%
77	12.347	3492	3501	3506	rBV2	9439	17003	0.09%	0.028%
78	12.479	3534	3542	3555	rVB2	25521	42270	0.22%	0.069%
79	12.566	3562	3569	3577	rBV5	25628	38485	0.20%	0.063%
80	12.617	3577	3585	3597	rVB4	57290	96940	0.50%	0.158%
81	12.675	3598	3603	3610	rBV5	7977	10456	0.05%	0.017%
82	12.768	3624	3632	3642	rVB3	53197	87914	0.45%	0.143%
83	13.045	3708	3718	3720	rBV10	9747	13896	0.07%	0.023%
84	13.392	3813	3826	3838	rVB7	26091	53143	0.27%	0.086%
85	13.485	3839	3855	3869	rBV5	50990	109820	0.56%	0.179%
86	13.585	3880	3886	3899	rVB10	19237	33072	0.17%	0.054%
87	13.678	3899	3915	3925	rVB	25907	57069	0.29%	0.093%
88	13.739	3925	3934	3950	rBV6	10296	30513	0.16%	0.050%
89	13.881	3968	3978	3981	rBV6	5772	10913	0.06%	0.018%
90	13.913	3981	3988	3997	rVV2	28321	53633	0.27%	0.087%
91	13.974	4001	4007	4027	rVB9	23506	56240	0.29%	0.091%
92	14.292	4096	4106	4115	rBV9	8429	20778	0.11%	0.034%
93	14.710	4225	4236	4257	rBV	320338	524046	2.69%	0.852%
94	14.816	4257	4269	4278	rBV	372808	589241	3.02%	0.958%
95	15.212	4381	4392	4404	rBV	117959	200809	1.03%	0.327%
96	15.360	4431	4438	4453	rVB2	33724	61881	0.32%	0.101%
97	15.784	4564	4570	4576	rBV10	7362	9755	0.05%	0.016%
98	15.877	4590	4599	4600	rBV8	11318	14355	0.07%	0.023%
99	16.315	4731	4735	4747	rVB8	8374	12609	0.06%	0.021%
100	16.379	4748	4755	4766	rBV5	15982	30634	0.16%	0.050%

Sum of corrected areas: 61488202

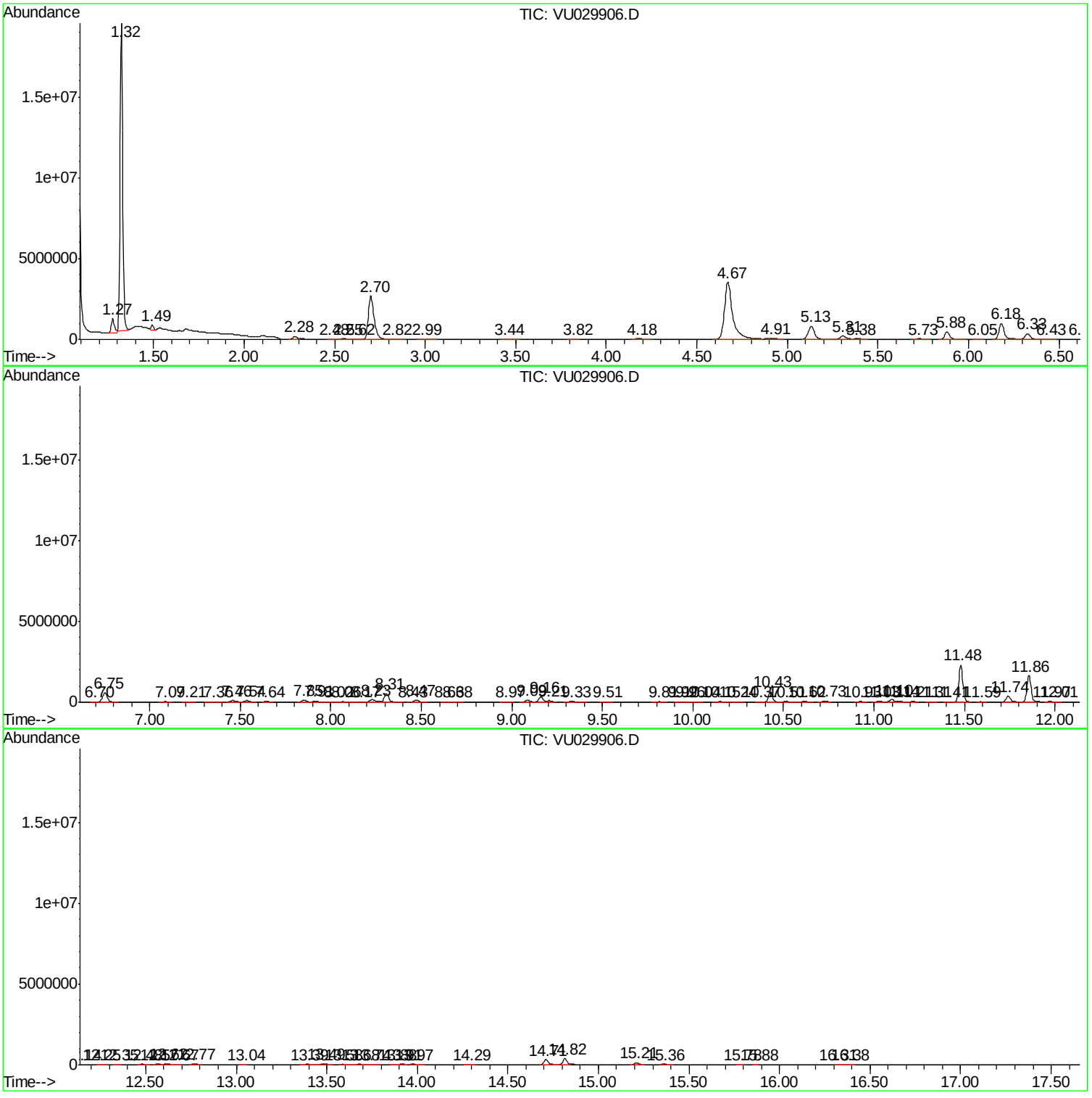
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

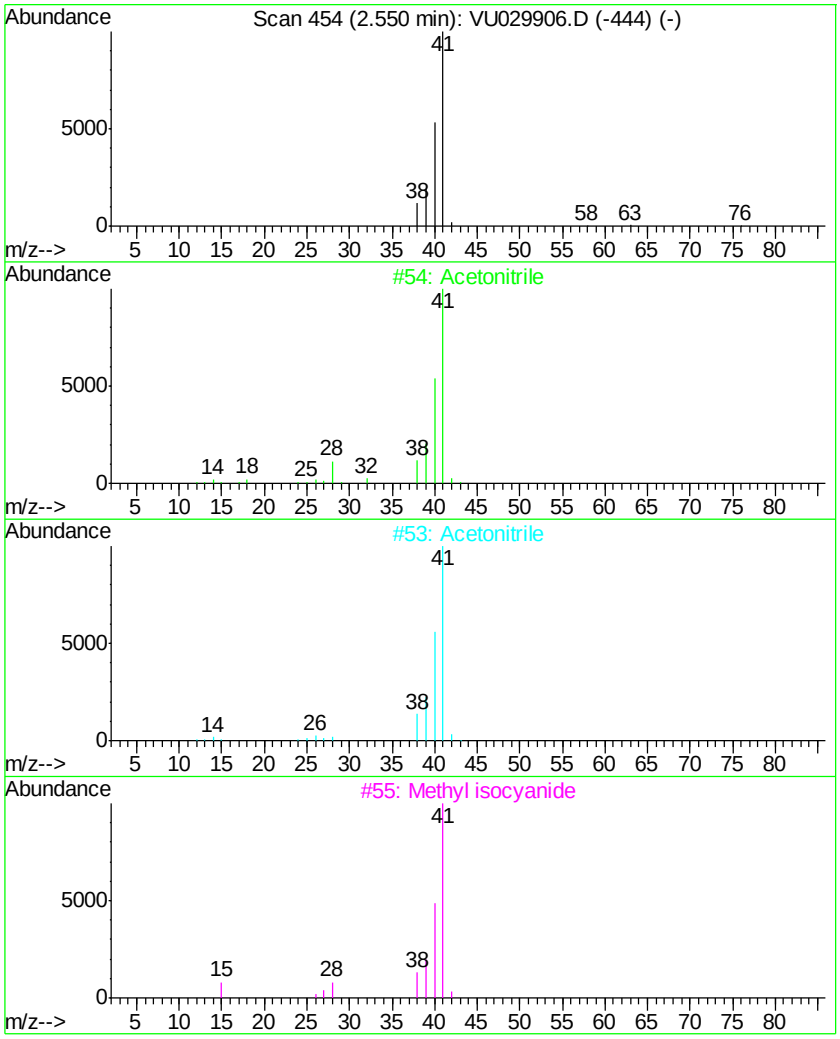
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

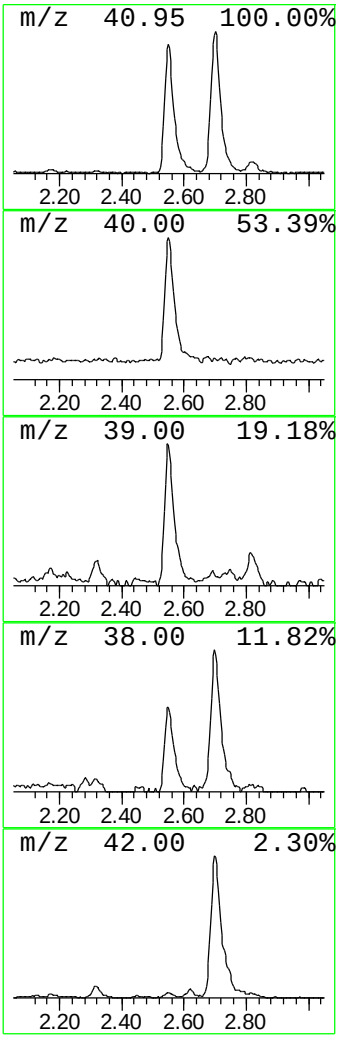
****

Peak Number 2 Acetonitrile Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	3.91 ug/L	73131	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile	41	C2H3N	000075-05-8	64
2	Acetonitrile	41	C2H3N	000075-05-8	64
3	Methyl isocyanide	41	C2H3N	000593-75-9	64
4	Acetonitrile	41	C2H3N	000075-05-8	9
5	Acetonitrile	41	C2H3N	000075-05-8	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

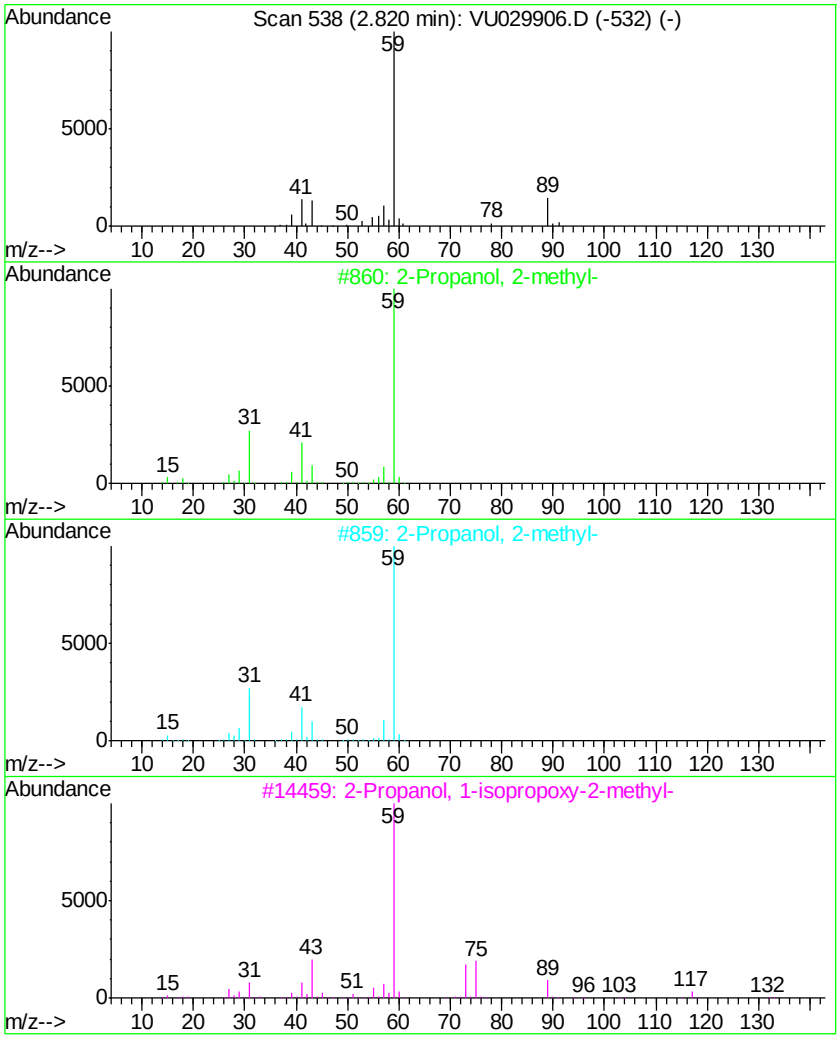
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

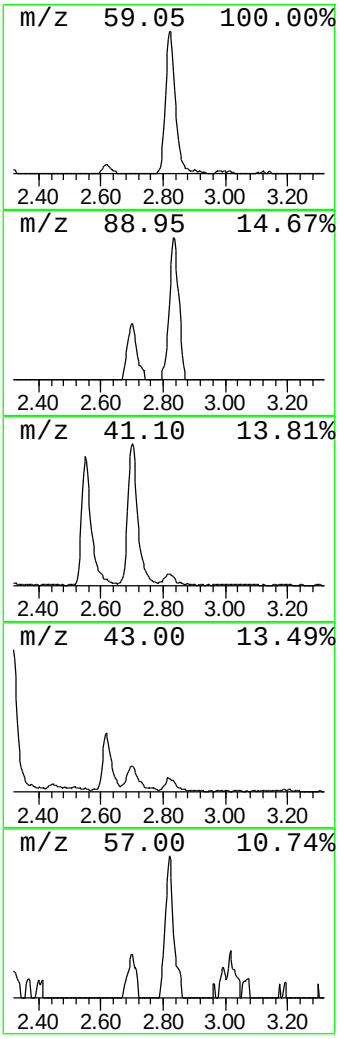
****

Peak Number 3 2-Propanol, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.82	2.58 ug/L	48306	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	50
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	45
3	2-Propanol, 1-isopropoxy-2-methyl-	132	C7H16O2	003587-75-5	43
4	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	9
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

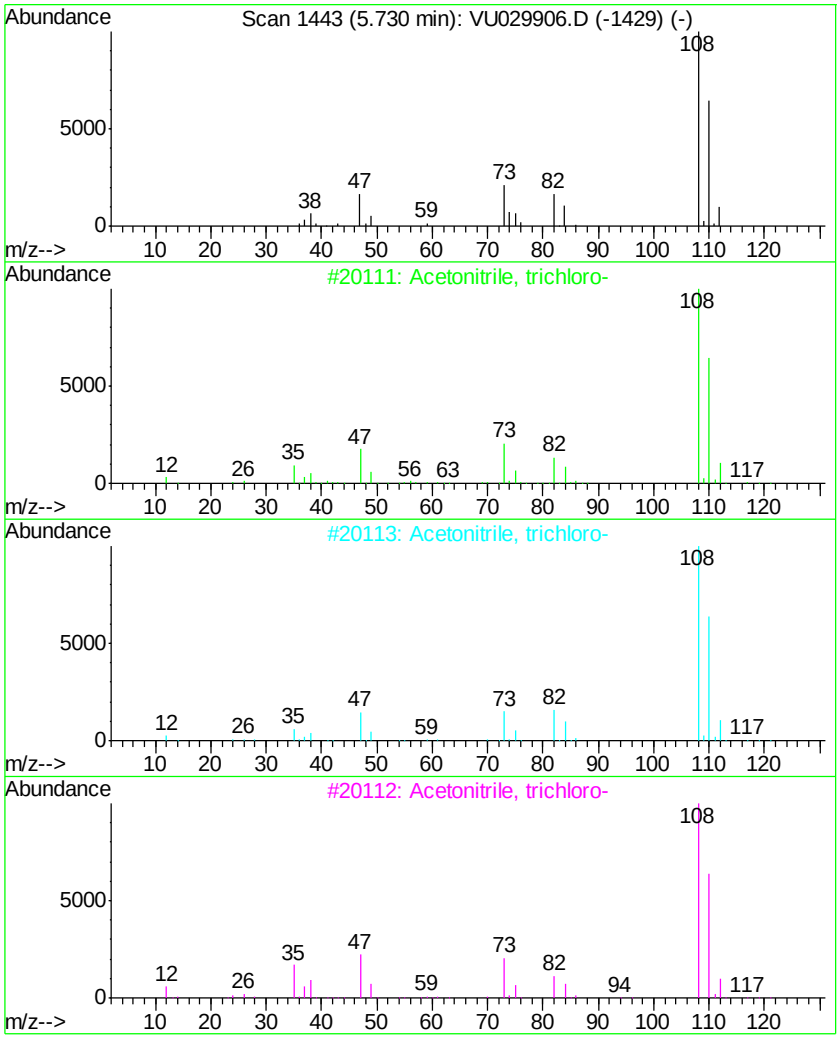
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

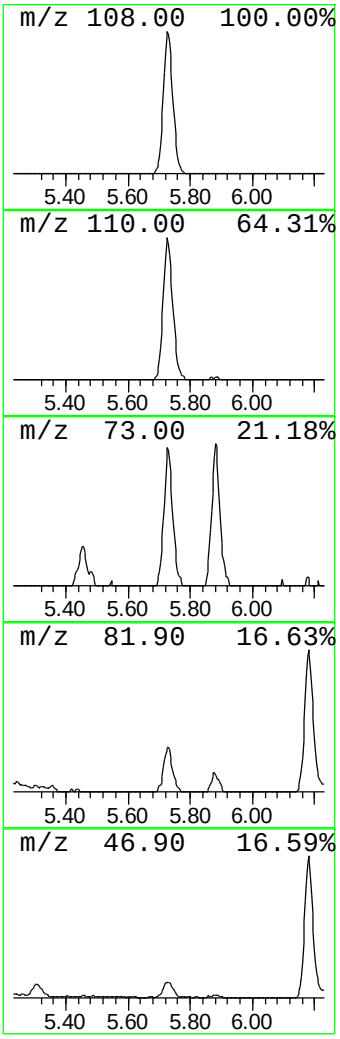
****

Peak Number 4 Acetonitrile, trichloro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	3.79 ug/L	70963	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, trichloro-	143	C2Cl3N	000545-06-2	90
2	Acetonitrile, trichloro-	143	C2Cl3N	000545-06-2	86
3	Acetonitrile, trichloro-	143	C2Cl3N	000545-06-2	47
4	Ethyl bromide	108	C2H5Br	000074-96-4	40
5	Butanol, 1-dimethylphosphonato)-	182	C6H15O4P	023054-81-1	12





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

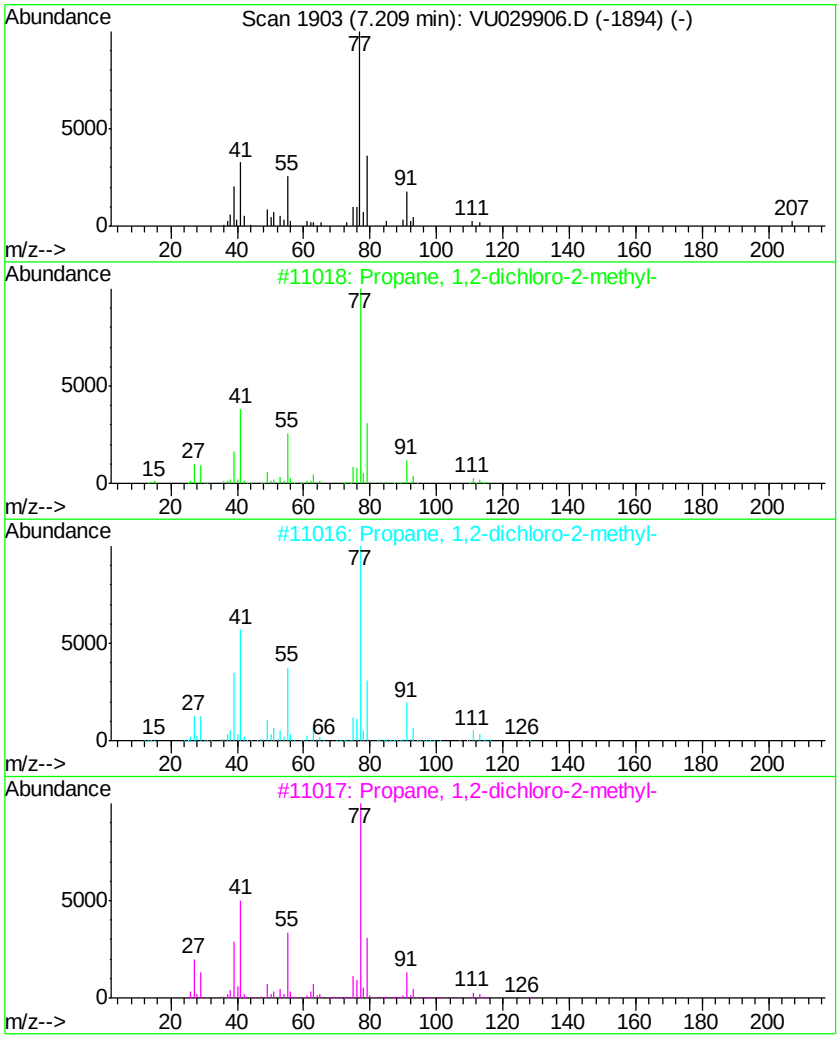
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

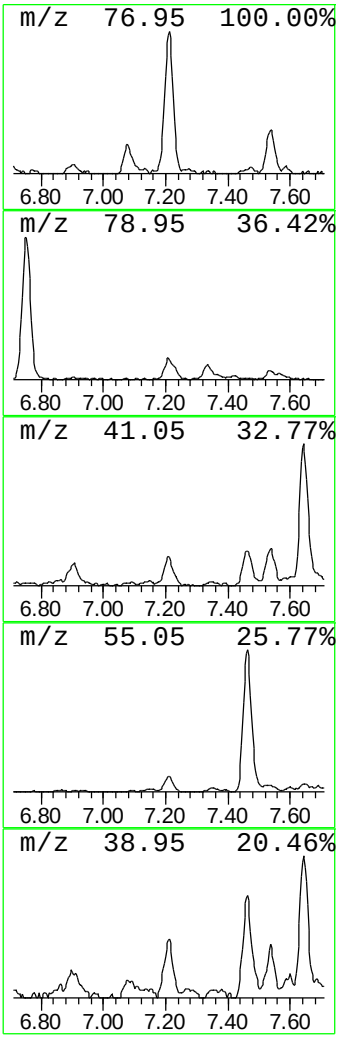
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Propane, 1,2-dichloro-2-met... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	2.60 ug/L	48593	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,2-dichloro-2-methyl-	126	C4H8Cl2	000594-37-6	83
2	Propane, 1,2-dichloro-2-methyl-	126	C4H8Cl2	000594-37-6	74
3	Propane, 1,2-dichloro-2-methyl-	126	C4H8Cl2	000594-37-6	74
4	Vinyl chloroacetate	120	C4H5ClO2	002549-51-1	45
5	Butane, 2-chloro-2-methyl-	106	C5H11Cl	000594-36-5	39





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

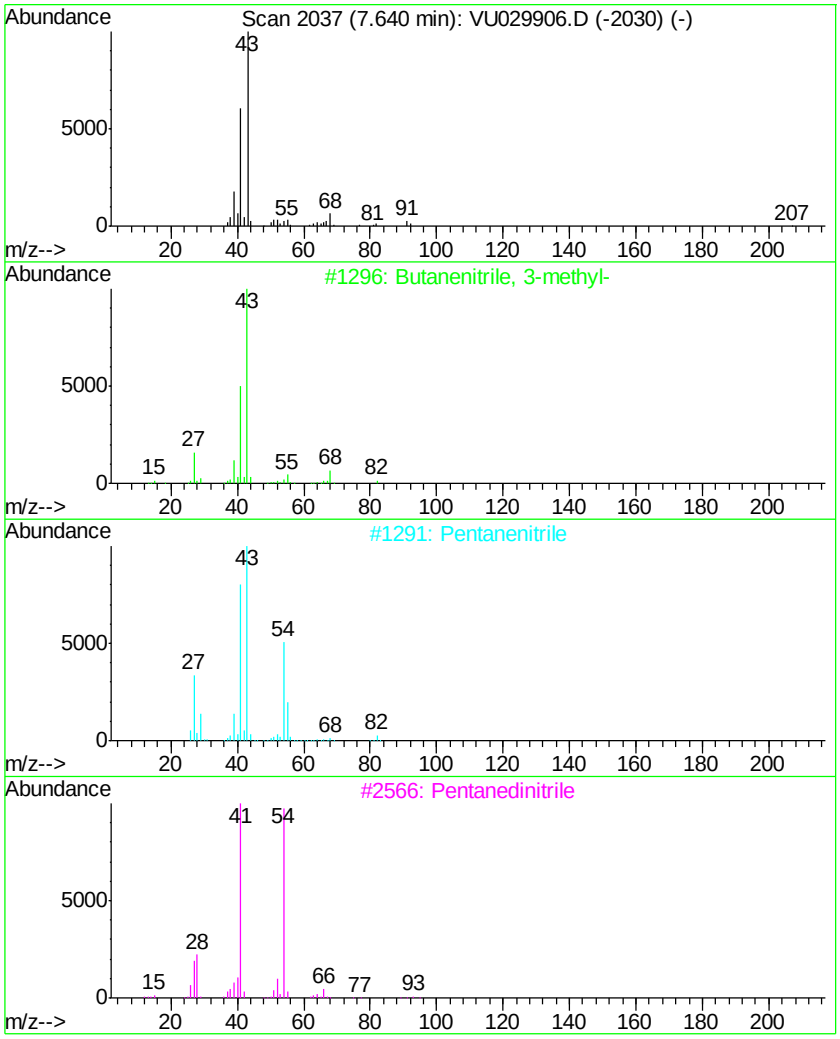
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

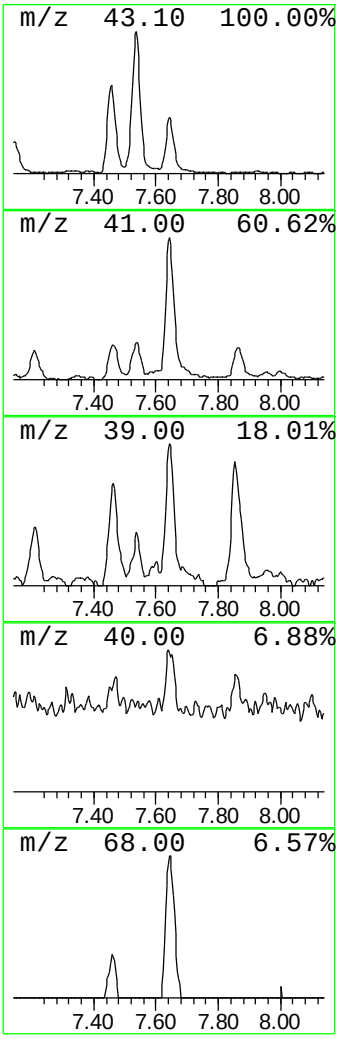
****

Peak Number 7 Butanenitrile, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	15.16 ug/L	73550	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanenitrile, 3-methyl-	83	C5H9N	000625-28-5	56
2	Pentanenitrile	83	C5H9N	000110-59-8	36
3	Pentanedinitrile	94	C5H6N2	000544-13-8	16
4	Pentanedinitrile	94	C5H6N2	000544-13-8	12
5	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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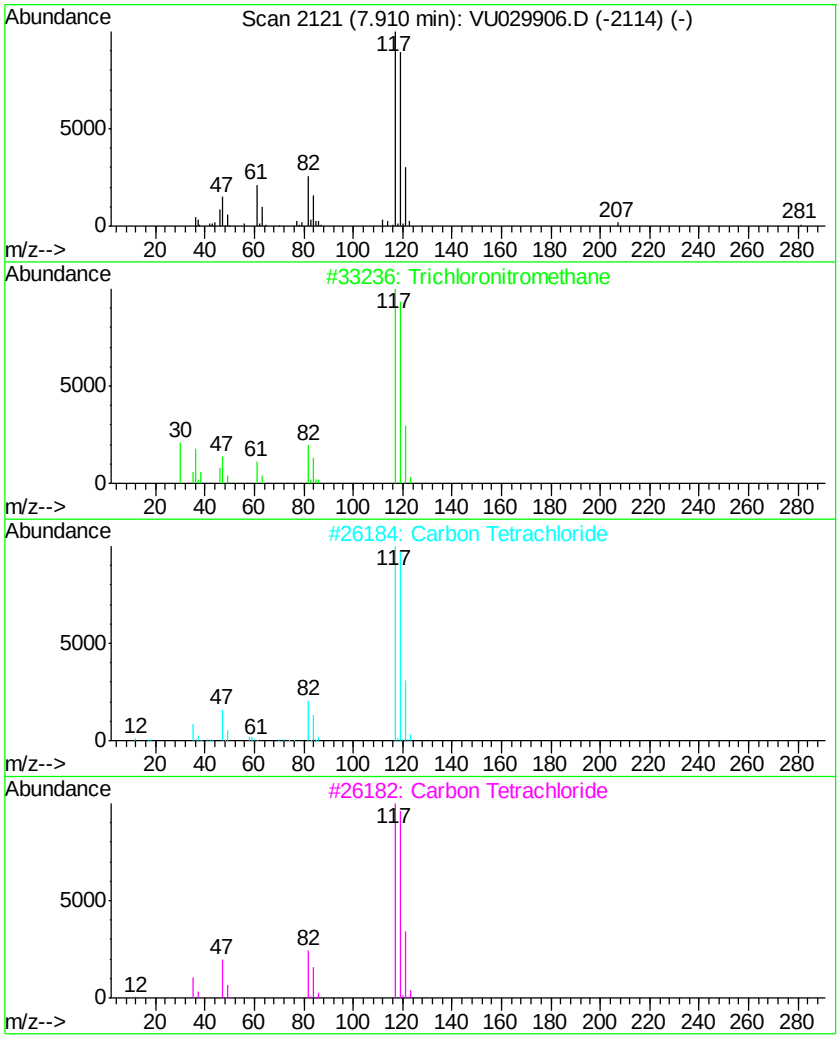
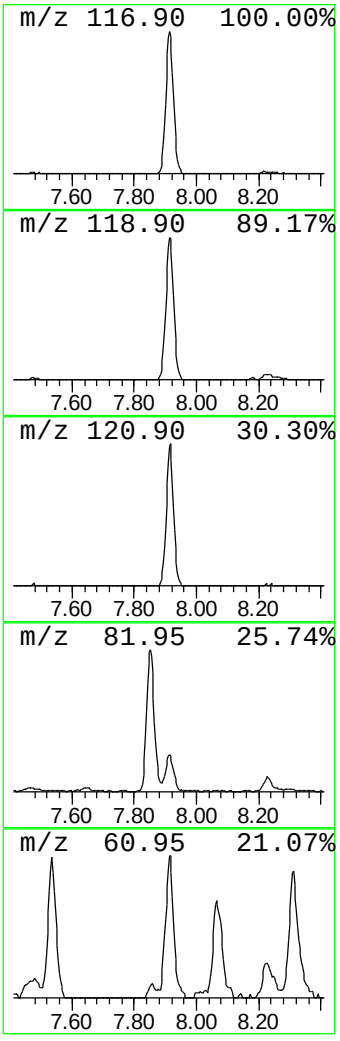
Peak Number 8 Trichloronitromethane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	28.46 ug/L	138098	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloronitromethane	163	CCl3NO2	000076-06-2	90
2	Carbon Tetrachloride	152	CCl4	000056-23-5	86
3	Carbon Tetrachloride	152	CCl4	000056-23-5	86
4	Carbon Tetrachloride	152	CCl4	000056-23-5	80
5	Hexachloroacetone	262	C3Cl6O	000116-16-5	78





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Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

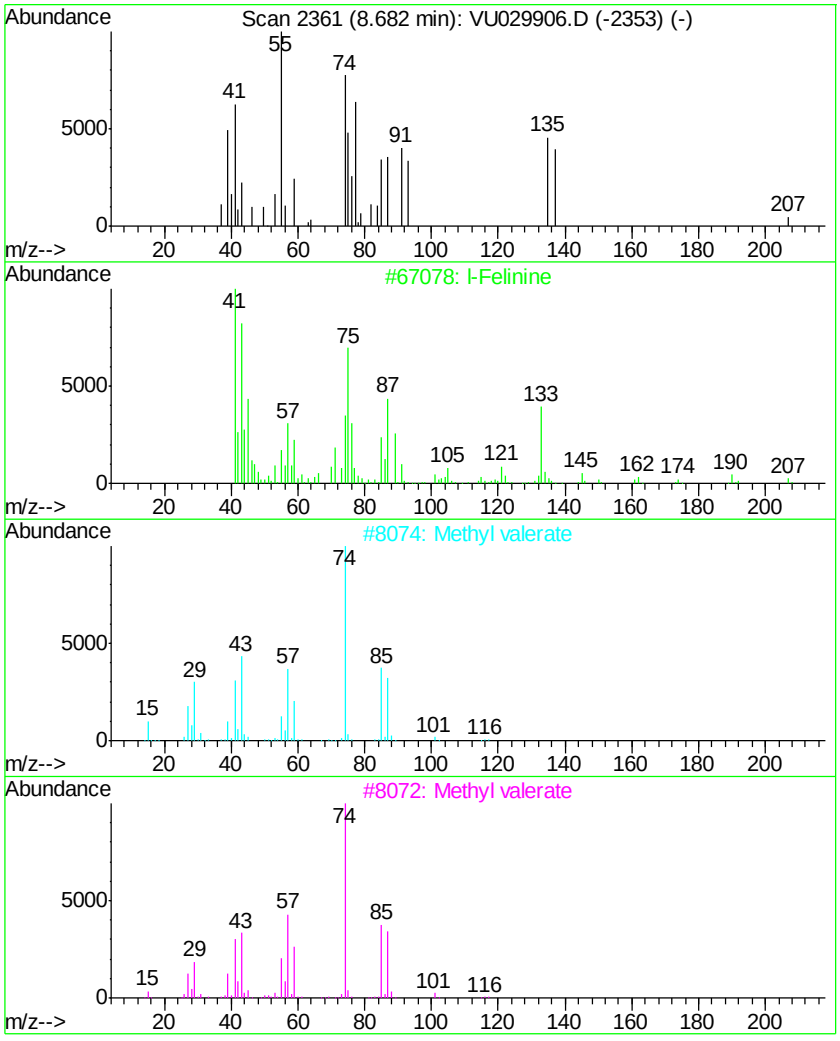
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

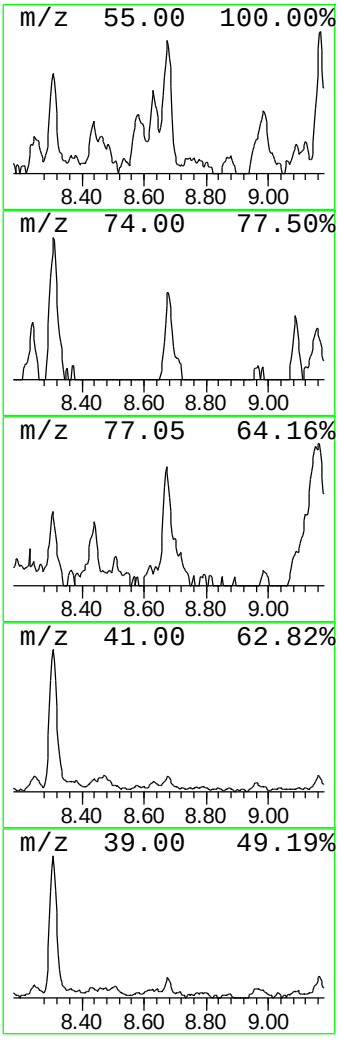
****

Peak Number 10 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	5.74 ug/L	27853	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	l-Felinine	207	C8H17NO3S	1000129-68-0	10
2	Methyl valerate	116	C6H12O2	000624-24-8	10
3	Methyl valerate	116	C6H12O2	000624-24-8	10
4	Butane, 1,2-dibromo-	214	C4H8Br2	000533-98-2	10
5	1,11-Dibromoundecane	312	C11H22Br2	016696-65-4	10





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Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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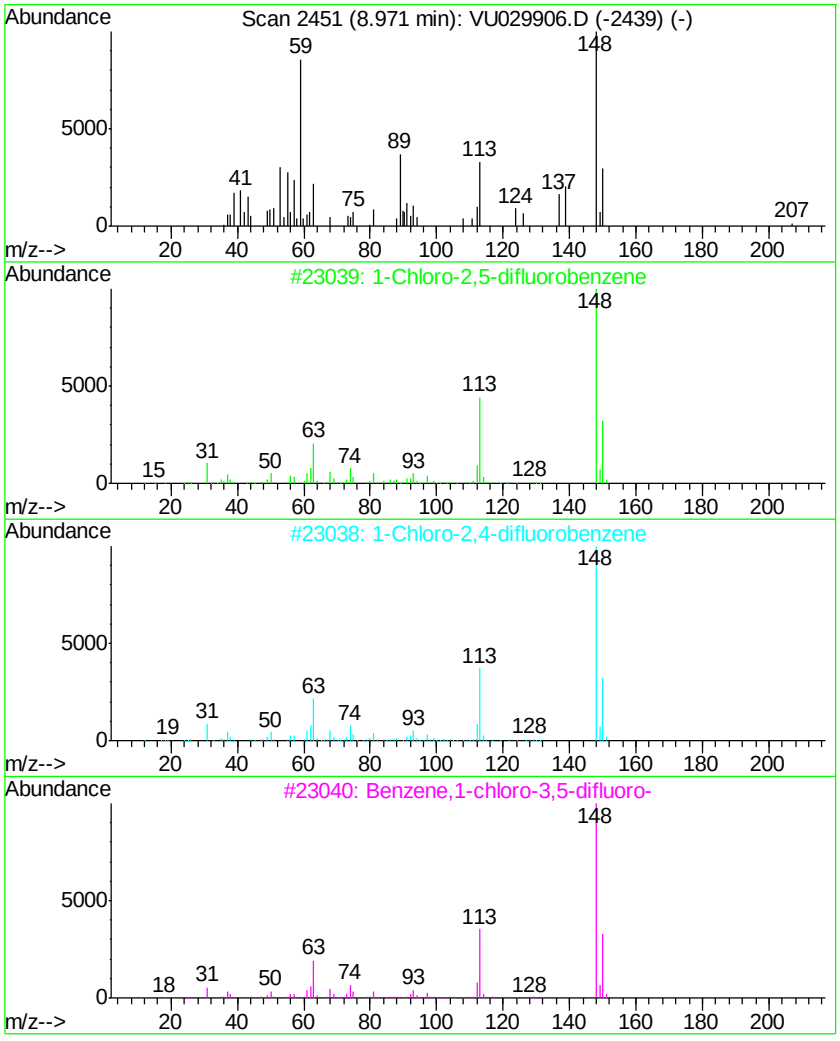
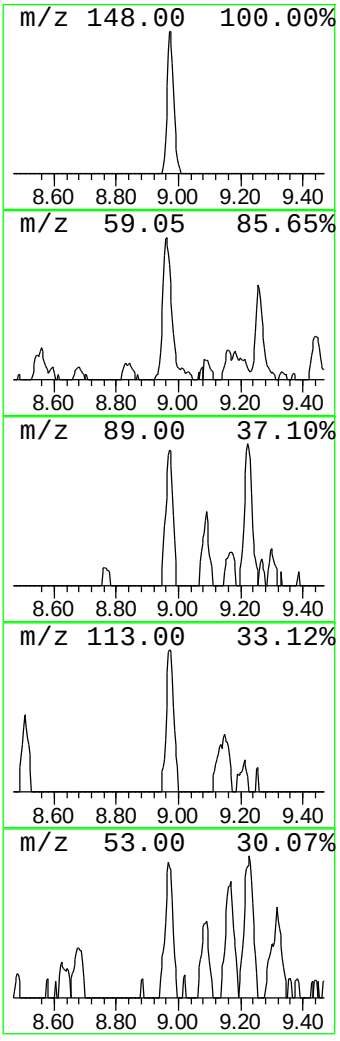
Peak Number 11 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	7.54 ug/L	36606	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Chloro-2,5-difluorobenzene	148	C6H3ClF2	002367-91-1	46
2	1-Chloro-2,4-difluorobenzene	148	C6H3ClF2	001435-44-5	46
3	Benzene,1-chloro-3,5-difluoro-	148	C6H3ClF2	001435-43-4	41
4	Acetic acid, [(1-thioxoethyl)thio]-	150	C4H6O2S2	017930-82-4	22
5	Benzaldehyde, 4-methyl-2-nitro-	165	C8H7NO3	020357-22-6	16





Library Search Compound Report

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Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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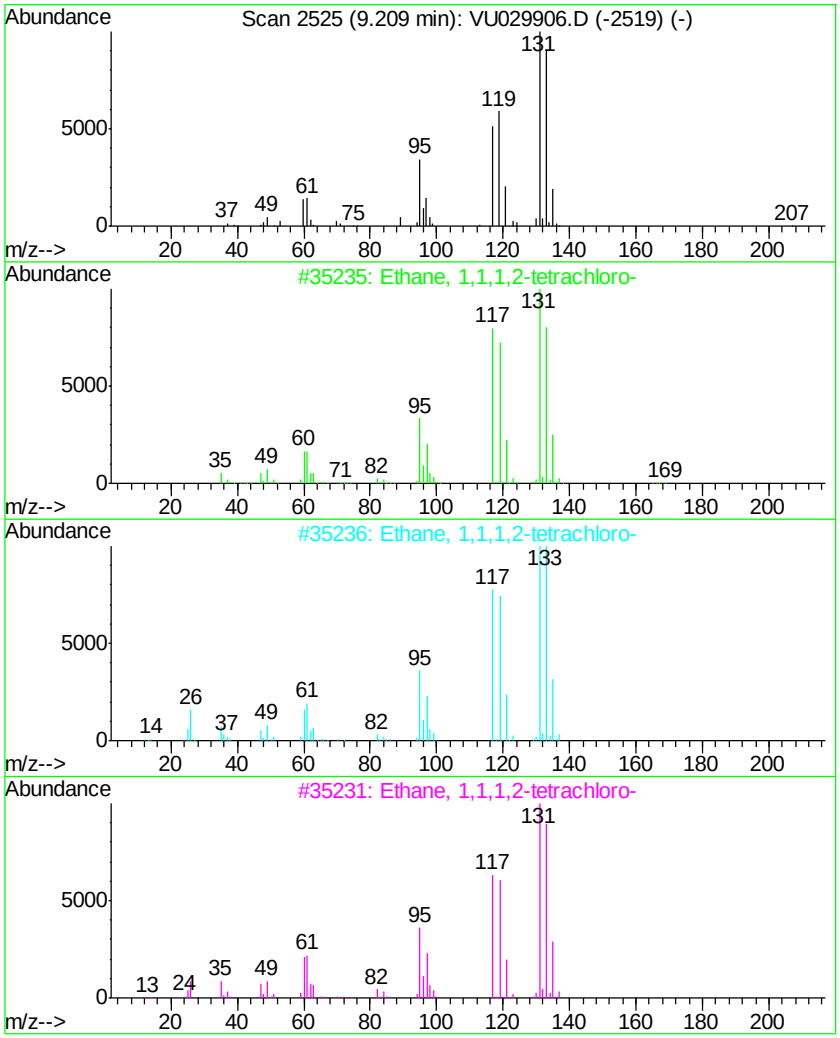
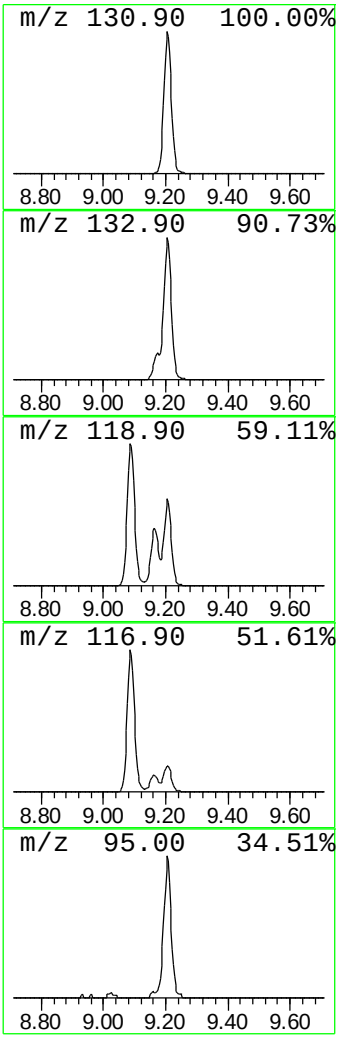
Peak Number 12 Ethane, 1,1,1,2-tetrachloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	24.83 ug/L	120513	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	64
2	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	59
3	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	59
4	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	47
5	Tetrahydro-1,3-thiazine-2-thione	133	C4H7NS2	005554-48-3	9





Library Search Compound Report

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Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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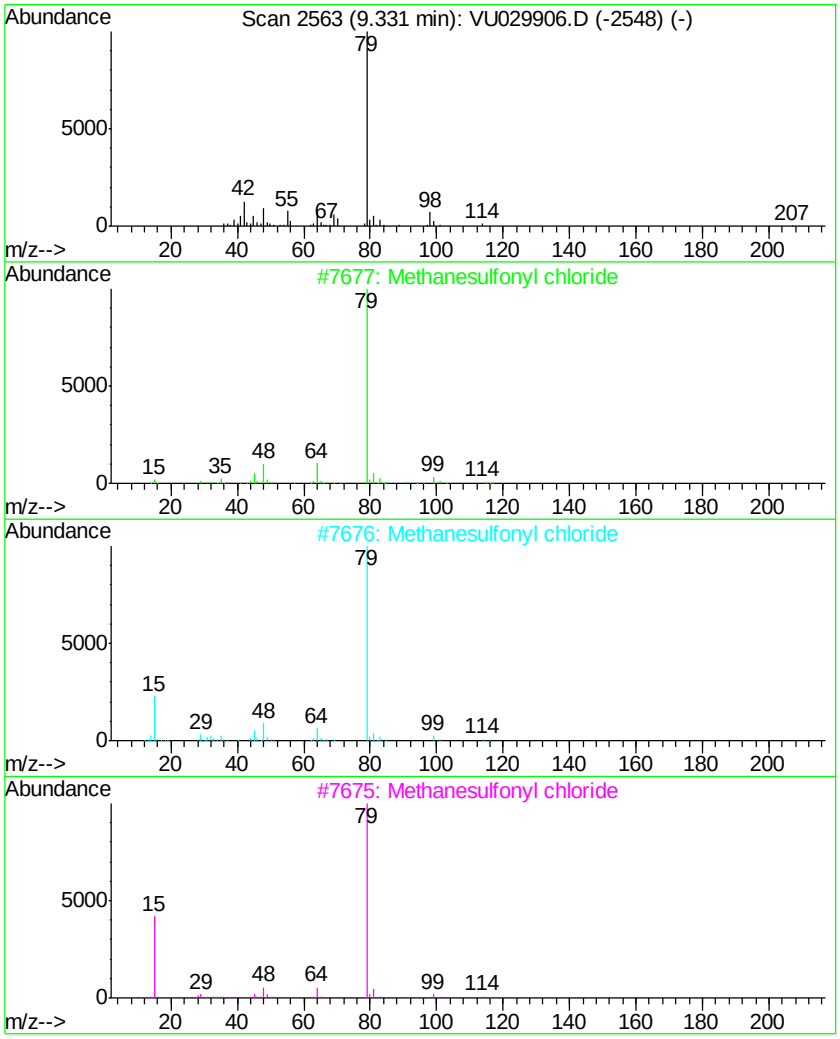
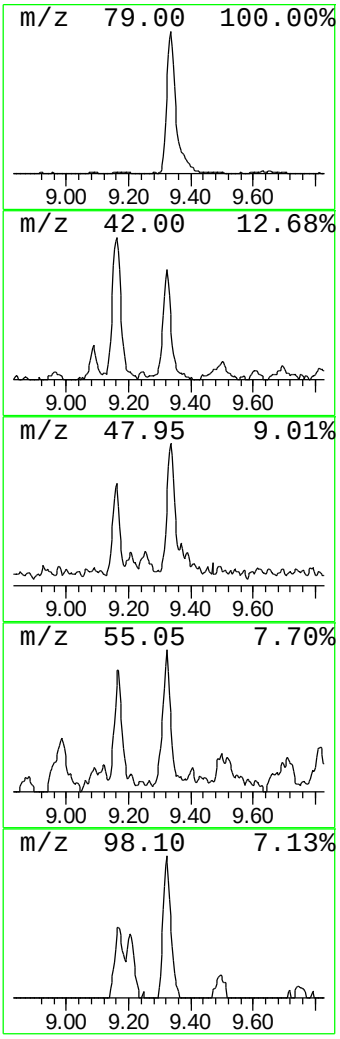
Peak Number 13 Methanesulfonyl chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	24.97 ug/L	121199	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanesulfonyl chloride	114	CH3ClO2S	000124-63-0	87
2	Methanesulfonyl chloride	114	CH3ClO2S	000124-63-0	87
3	Methanesulfonyl chloride	114	CH3ClO2S	000124-63-0	72
4	Sulfurous acid, dimethyl ester	110	C2H6O3S	000616-42-2	50
5	Methanesulfonylacetonitrile	119	C3H5NO2S	002274-42-2	50





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Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

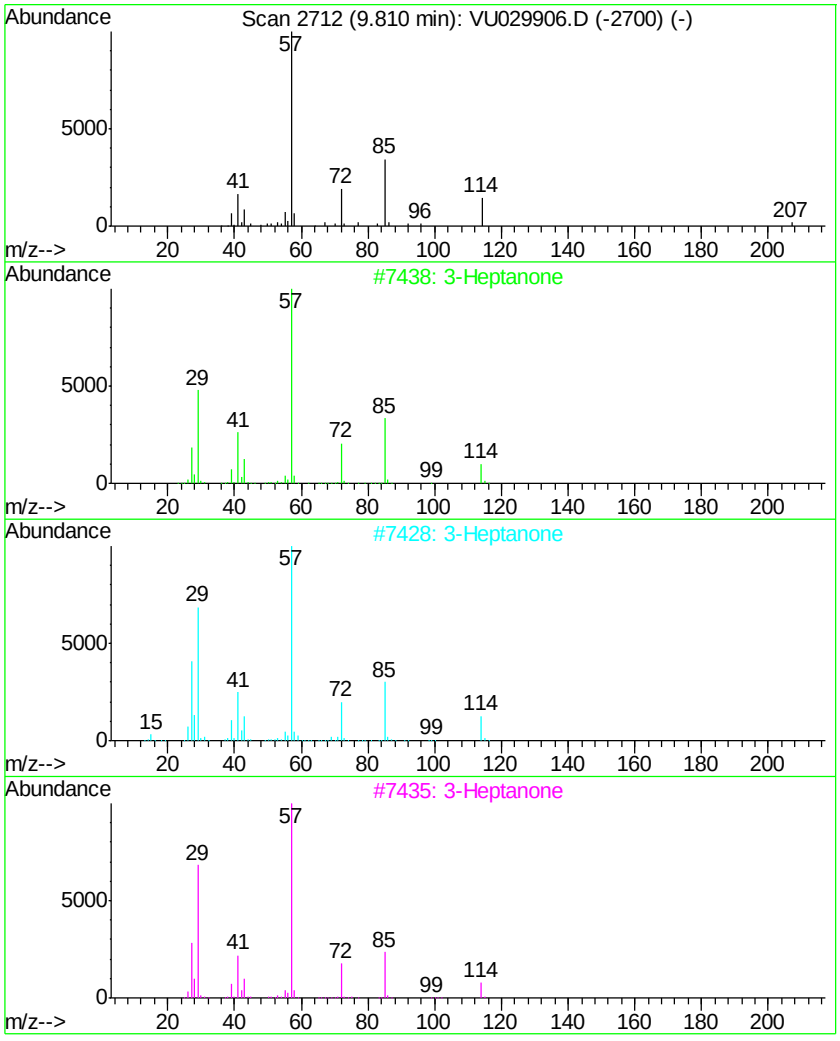
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

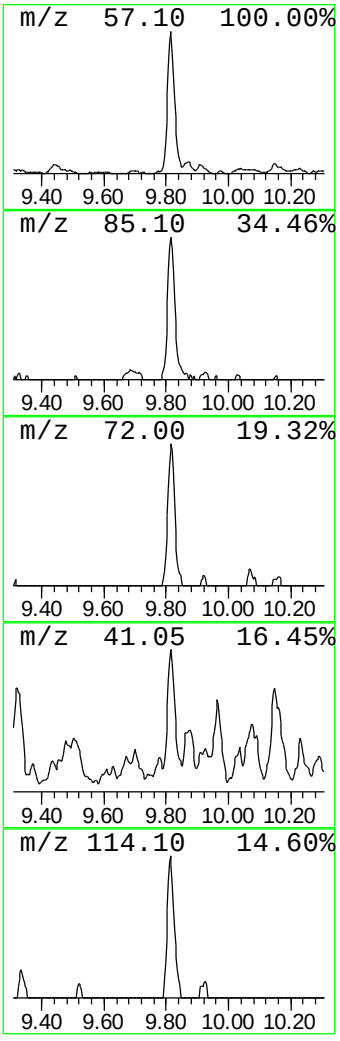
****

Peak Number 15 3-Heptanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	9.21 ug/L	44711	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanone	114	C7H14O	000106-35-4	91
2	3-Heptanone	114	C7H14O	000106-35-4	90
3	3-Heptanone	114	C7H14O	000106-35-4	86
4	3-Heptanone	114	C7H14O	000106-35-4	86
5	3-Hexanone, 5-methyl-	114	C7H14O	000623-56-3	59





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Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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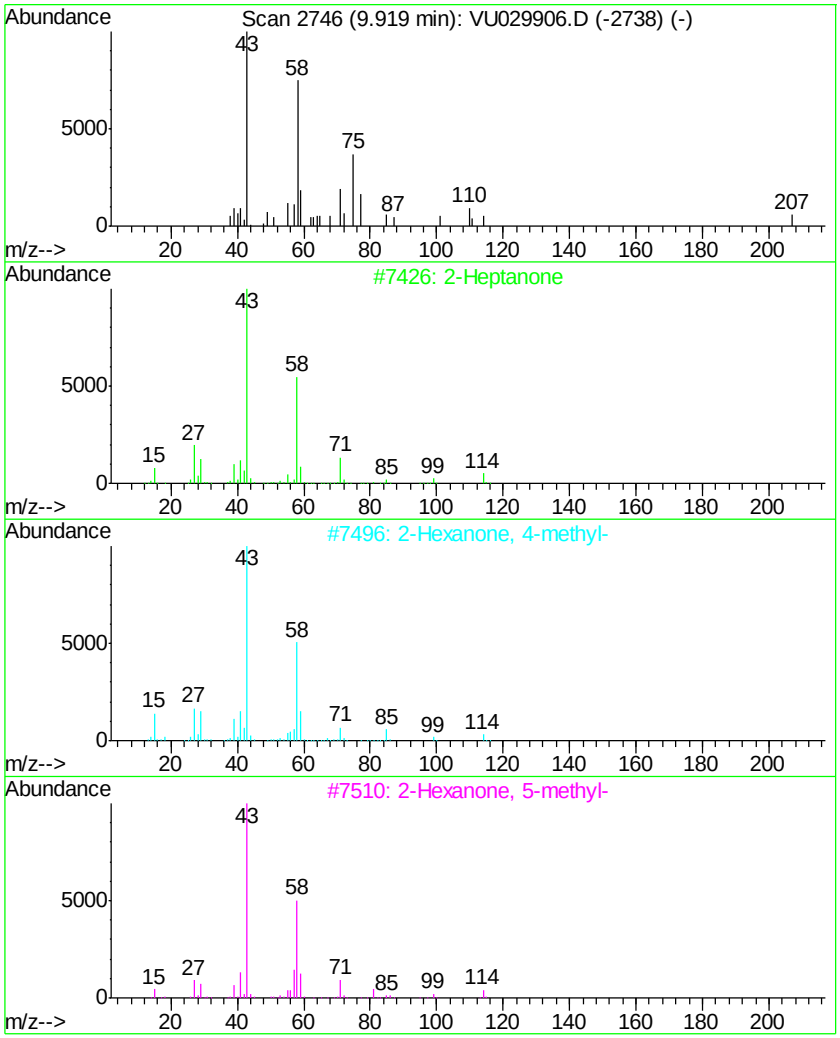
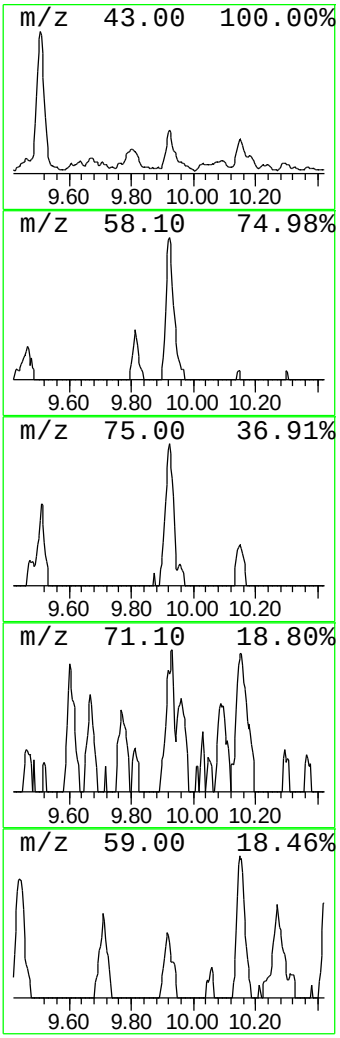
Peak Number 16 unknown-03 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	3.32 ug/L	16107	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	43
2	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	43
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	43
4	2-Heptanone	114	C7H14O	000110-43-0	43
5	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	43





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Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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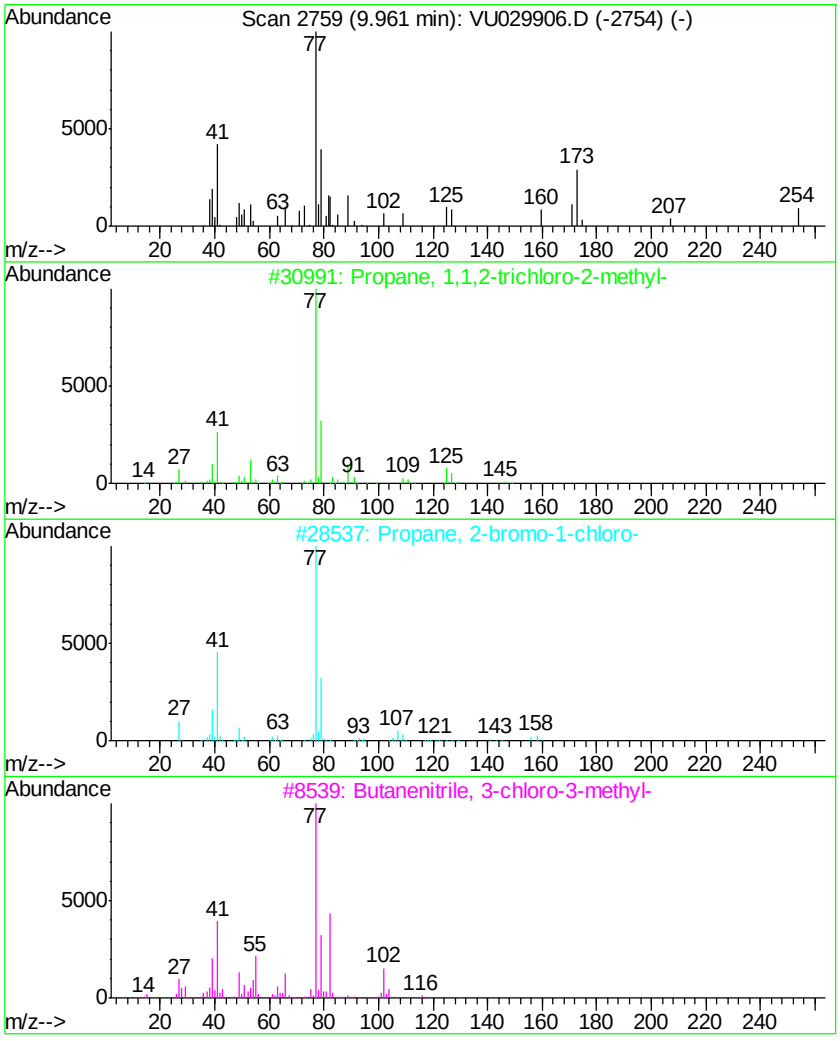
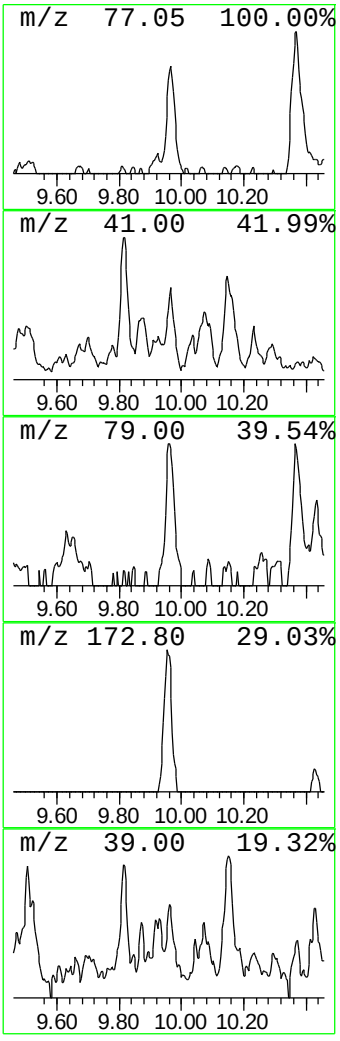
Peak Number 17 Propane, 1,1,2-trichloro-2-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	5.91 ug/L	28704	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1,2-trichloro-2-methyl-	160	C4H7Cl3	029559-52-2	50
2	Propane, 2-bromo-1-chloro-	156	C3H6BrCl	003017-95-6	28
3	Butanenitrile, 3-chloro-3-methyl-	117	C5H8ClN	053897-47-5	9
4	Vinyl chloroacetate	120	C4H5ClO2	002549-51-1	9
5	1,1-Dibromo-3-chloropropanone	248	C3H3Br2ClO	001578-18-3	9





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Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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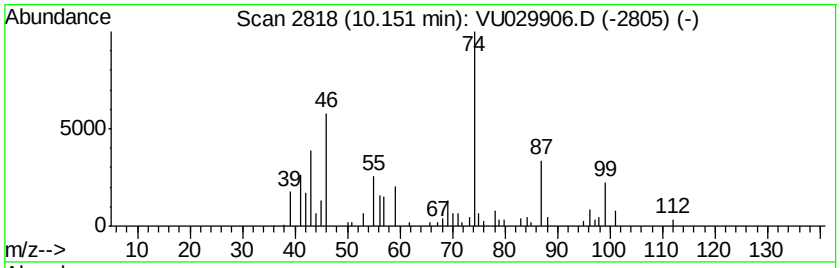
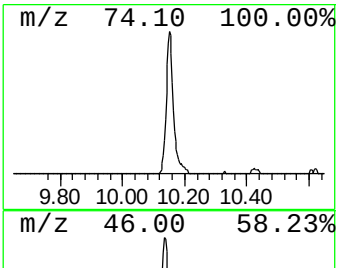
Peak Number 18 unknown-04 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	12.57 ug/L	60980	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, methyl ester	130	C7H14O2	000106-70-7	43
2	Pentanoic acid, 3-methyl-, methy...	130	C7H14O2	002177-78-8	35
3	Pentanoic acid, 3-methyl-, methy...	130	C7H14O2	002177-78-8	35
4	Diethylhydroxylamine	89	C4H11NO	003710-84-7	28
5	Hexanoic acid, methyl ester	130	C7H14O2	000106-70-7	25





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Acq On : 08 Mar 2019 22:25
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Sample : K1763-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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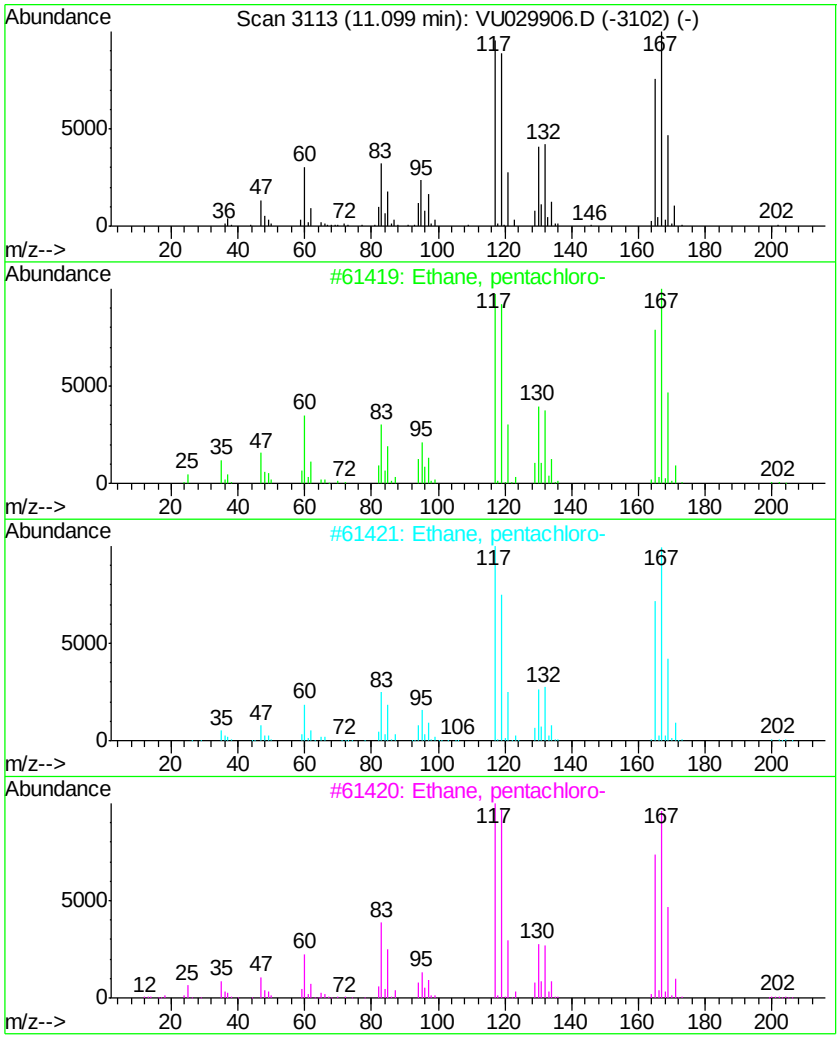
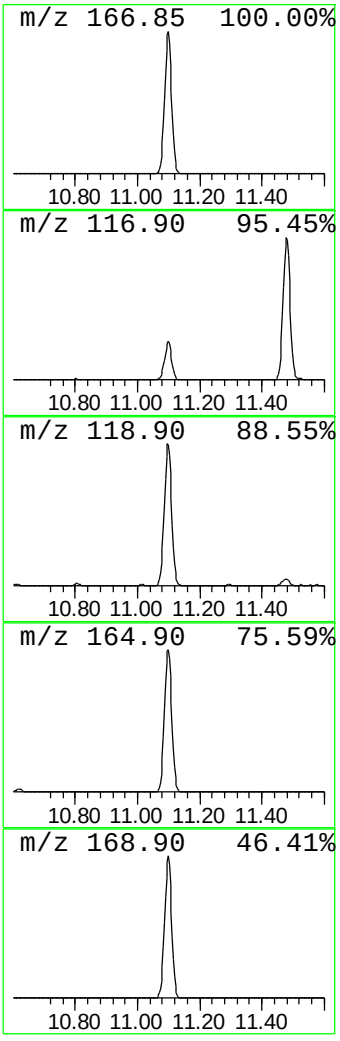
Peak Number 19 Ethane, pentachloro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	3.61 ug/L	258216	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, pentachloro-	200	C2HCl5	000076-01-7	99
2	Ethane, pentachloro-	200	C2HCl5	000076-01-7	97
3	Ethane, pentachloro-	200	C2HCl5	000076-01-7	96
4	Carbon Tetrachloride	152	CCl4	000056-23-5	14
5	Carbon Tetrachloride	152	CCl4	000056-23-5	14





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Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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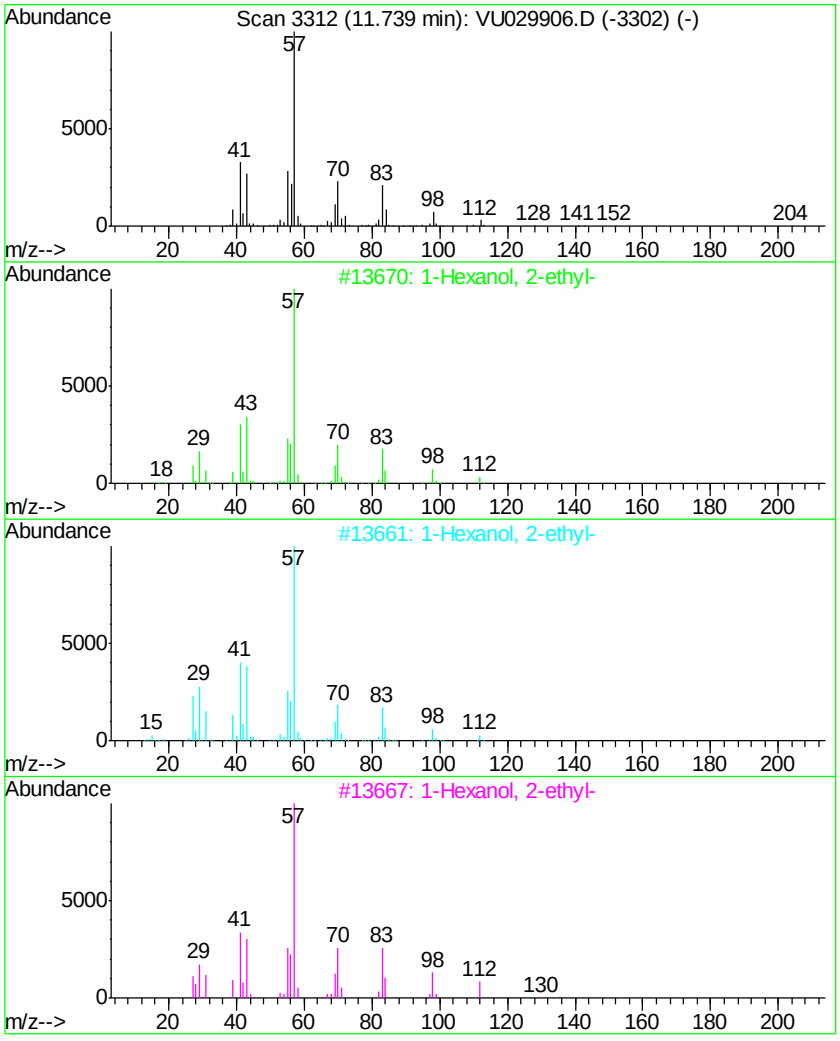
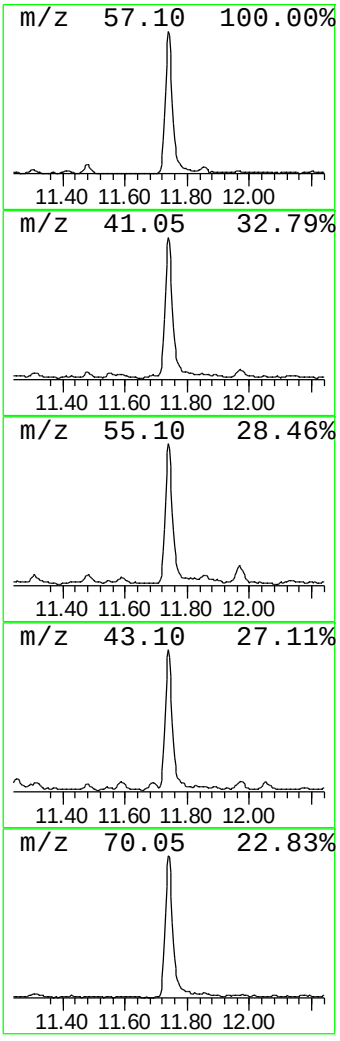
Peak Number 20 1-Hexanol, 2-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	8.77 ug/L	626868	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	90
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	90
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	56





Library Search Compound Report

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Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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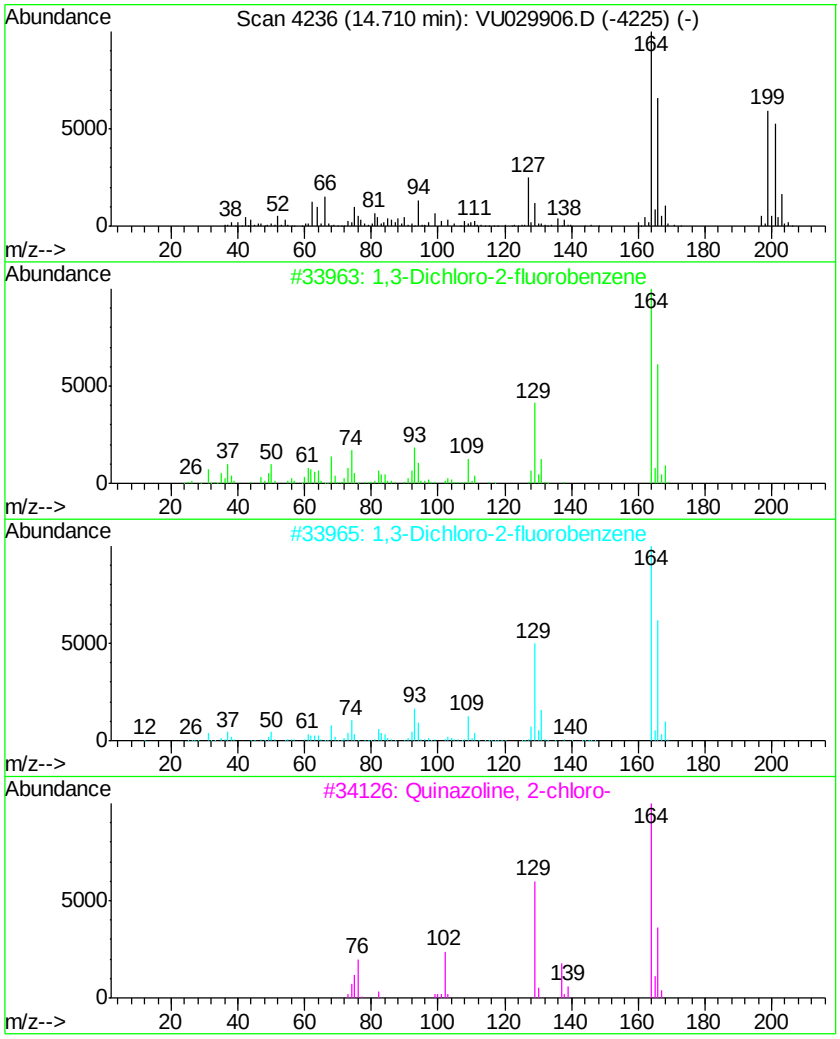
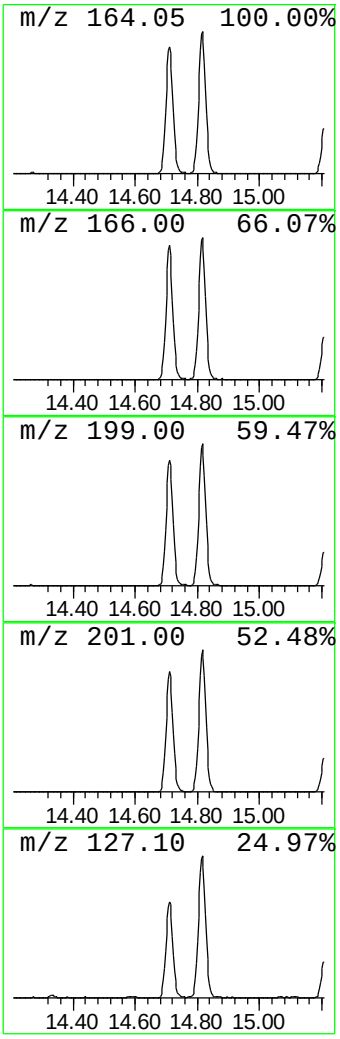
Peak Number 21 unknown-05 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	7.33 ug/L	524046	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dichloro-2-fluorobenzene	164	C6H3Cl2F	002268-05-5	41
2	1,3-Dichloro-2-fluorobenzene	164	C6H3Cl2F	002268-05-5	35
3	Quinazoline, 2-chloro-	164	C8H5ClN2	006141-13-5	30
4	1,4-Dichloro-2-fluorobenzene	164	C6H3Cl2F	1000342-41-8	25
5	Benzene,1,3-dichloro-5-fluoro-	164	C6H3Cl2F	001435-46-7	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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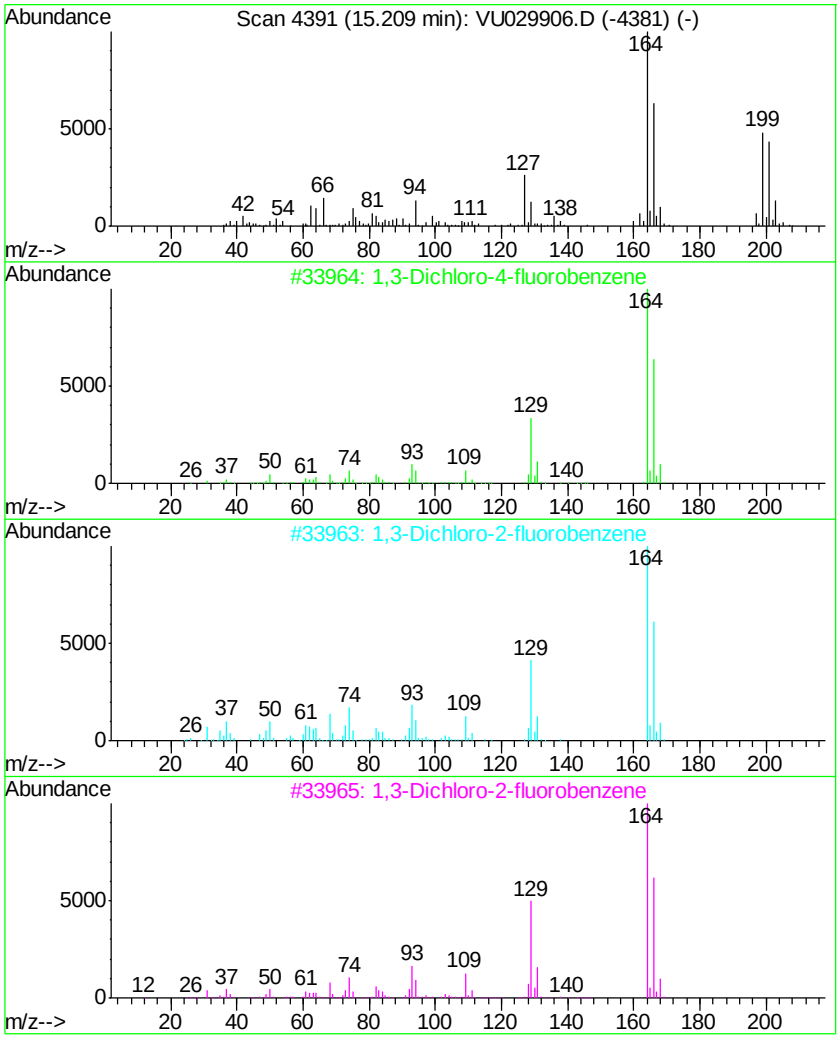
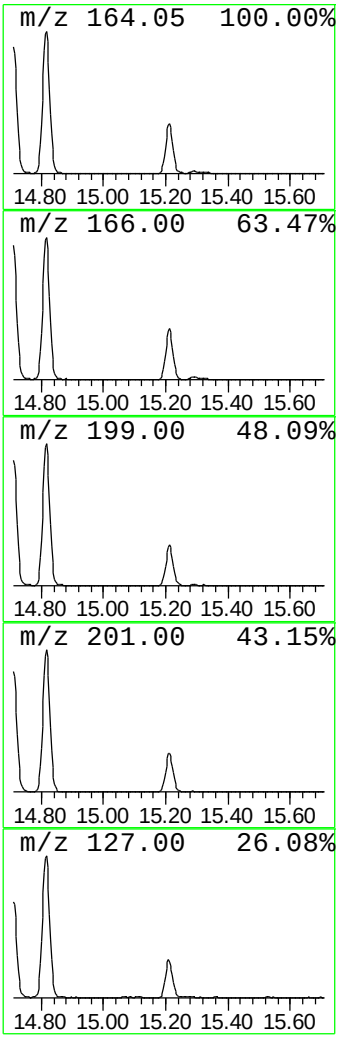
Peak Number 23 unknown-06 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	2.81 ug/L	200809	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dichloro-4-fluorobenzene	164	C6H3Cl2F	001435-48-9	38
2	1,3-Dichloro-2-fluorobenzene	164	C6H3Cl2F	002268-05-5	38
3	1,3-Dichloro-2-fluorobenzene	164	C6H3Cl2F	002268-05-5	35
4	1,4-Dichloro-2-fluorobenzene	164	C6H3Cl2F	1000342-41-8	35
5	1,2-Dichloro-4-fluorobenzene	164	C6H3Cl2F	001435-49-0	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0959

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Acetonitrile	2.55	3.9	ug/L	73131	1	5.88	936241	50.0
2-Propanol, 2-met...	2.82	2.6	ug/L	48306	1	5.88	936241	50.0
Acetonitrile, tri...	5.73	3.8	ug/L	70963	1	5.88	936241	50.0
Propane, 1,2-dich...	7.21	2.6	ug/L	48593	1	5.88	936241	50.0
Butanenitrile, 3-...	7.64	15.2	ug/L	73550	2	9.09	242647	50.0
Trichloronitromet...	7.91	28.5	ug/L	138098	2	9.09	242647	50.0
unknown-01	8.68	5.7	ug/L	27853	2	9.09	242647	50.0
unknown-02	8.97	7.5	ug/L	36606	2	9.09	242647	50.0
Ethane, 1,1,1,2-t...	9.21	24.8	ug/L	120513	2	9.09	242647	50.0
Methanesulfonyl c...	9.33	25.0	ug/L	121199	2	9.09	242647	50.0
3-Heptanone	9.81	9.2	ug/L	44711	2	9.09	242647	50.0
unknown-03	9.92	3.3	ug/L	16107	2	9.09	242647	50.0
Propane, 1,1,2-tr...	9.96	5.9	ug/L	28704	2	9.09	242647	50.0
unknown-04	10.15	12.6	ug/L	60980	2	9.09	242647	50.0
Ethane, pentachloro-	11.10	3.6	ug/L	258216	3	11.48	3573590	50.0
1-Hexanol, 2-ethyl-	11.74	8.8	ug/L	626868	3	11.48	3573590	50.0
unknown-05	14.71	7.3	ug/L	524046	3	11.48	3573590	50.0
unknown-06	15.21	2.8	ug/L	200809	3	11.48	3573590	50.0