Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022120\
Data File : VX014994.D
Acq On : 21 Feb 2020 14:35
Operator : JC/SP
Sample : L1561-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MANHOLE

Quant Time: Feb 22 00:44:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:37:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.01	128	69500	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.85	114	378234	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	341935	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.05	65	147405	30.50	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 101.67%				
60) 4-Bromofluorobenzene	11.13	95	149069	27.99	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 93.30%				
63) Toluene-d8	8.71	98	427660	28.68	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 95.60%				
Target Compounds							Qvalue
11) Methyl Iodide	2.51	142	2455	0.553	ug/l		94
13) Acrolein	2.28	56	248	0.274	ug/l		83
15) Acetone	2.43	58	3956	5.384	ug/l		93
16) Carbon Disulfide	2.56	76	5237	0.533	ug/l	#	91
18) Methylene Chloride	2.85	84	1249	0.297	ug/l	#	76
19) trans-1,2-Dichloroethene	3.16	96	1415	0.353	ug/l	#	32
23) tert-Butyl Alcohol	3.02	59	910	1.118	ug/l	#	99
25) Chloroform	5.20	83	16996	2.369	ug/l		89
41) Bromodichloromethane	7.89	83	18587	3.391	ug/l		97
43) Ethyl Acetate	4.50	43	1152	0.206	ug/l		93
45) 1,4-Dioxane	7.75	88	396	4.563	ug/l	#	55
48) t-1,3-Dichloropropene	9.04	75	1501	0.247	ug/l		90
51) Ethyl methacrylate	8.72	69	1935	0.303	ug/l		86
53) Dibromochloromethane	9.58	129	14929	3.340	ug/l		98
56) Bromoform	10.85	173	2755	0.786	ug/l	#	94
58) 4-Methyl-2-Pentanone	8.62	43	6354	1.134	ug/l	#	49
59) 2-Hexanone	9.50	43	1893	0.432	ug/l	#	53
67) m/p-Xylenes	10.36	106	2025	0.272	ug/l		79
73) Bromobenzene	11.25	156	1312	0.254	ug/l		91
78) 4-Chlorotoluene	11.51	91	3487	0.234	ug/l		88
83) 1,3-Dichlorobenzene	12.03	146	3355	0.370	ug/l		91
84) 1,4-Dichlorobenzene	12.09	146	3665	0.402	ug/l		90
85) n-Butylbenzene	12.38	91	4469	0.298	ug/l		91
86) Hexachloroethane	12.60	117	660	0.212	ug/l		56
87) 1,2-Dichlorobenzene	12.39	146	2377	0.264	ug/l		93
89) 1,2,4-Trichlorobenzene	13.64	180	4100	0.633	ug/l	#	96
90) Hexachlorobutadiene	13.78	225	2877	0.894	ug/l		88
91) Naphthalene	13.83	128	7580	0.413	ug/l	#	87
92) 1,2,3-Trichlorobenzene	14.01	180	3896	0.605	ug/l		90

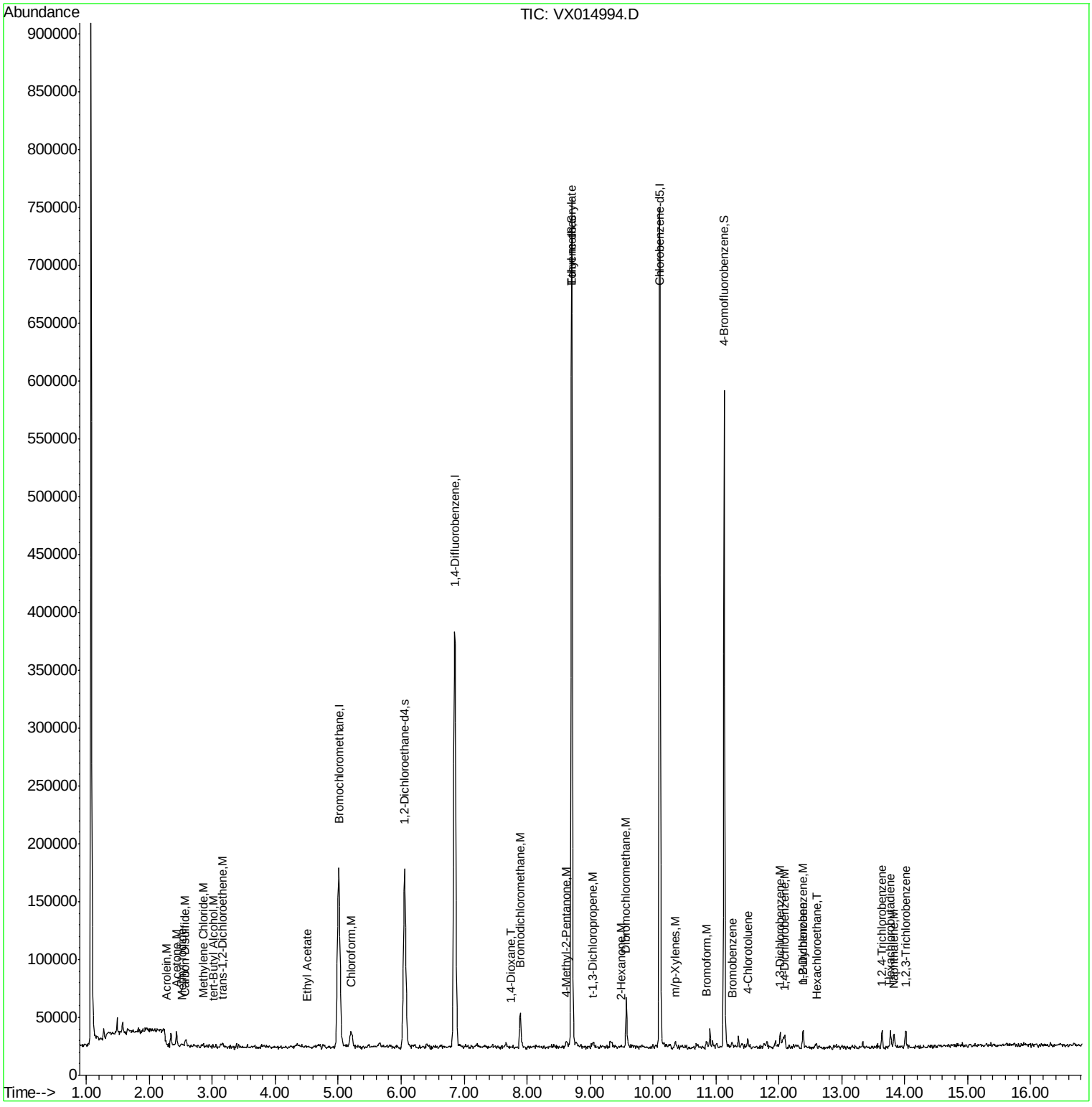
(#) = qualifier out of range (m) = manual integration (+) = signals summed

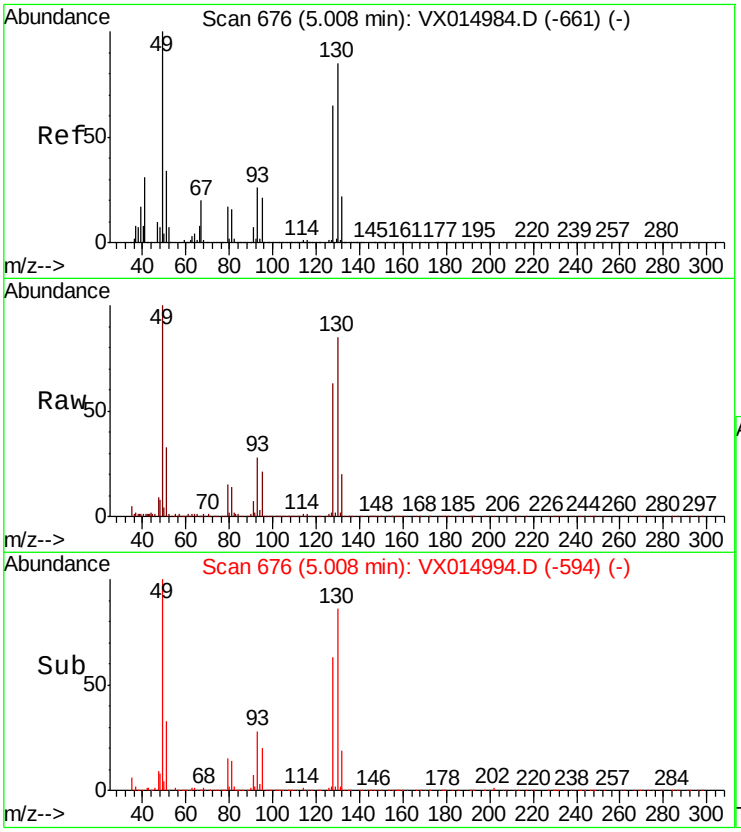
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022120\
Data File : VX014994.D
Acq On : 21 Feb 2020 14:35
Operator : JC/SP
Sample : L1561-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Quant Time: Feb 22 00:44:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:37:56 2020
Response via : Initial Calibration



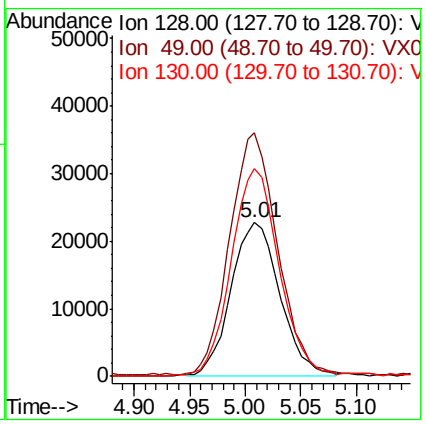


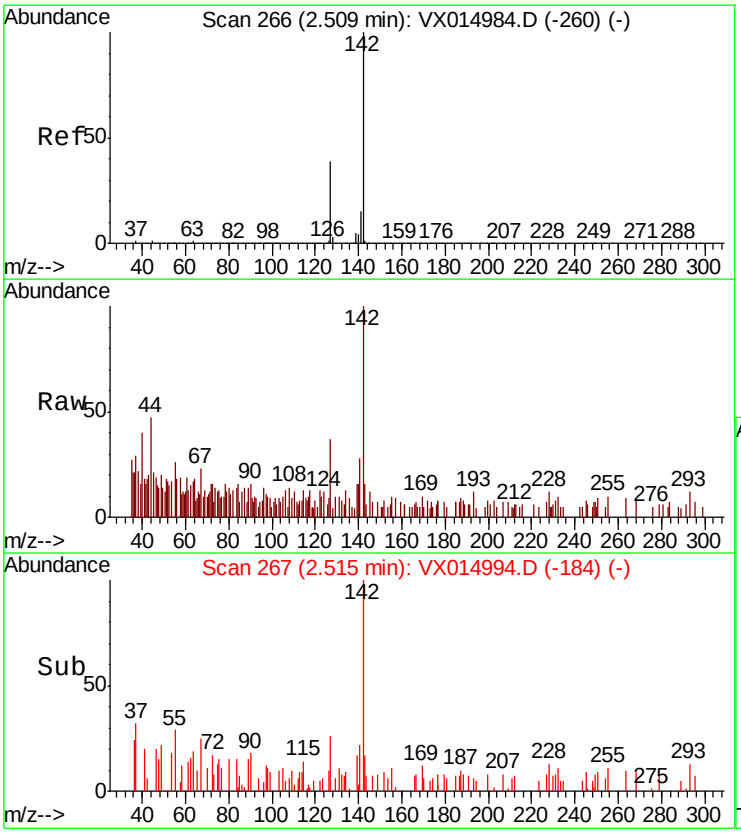
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion:128 Resp: 69500

Ion	Ratio	Lower	Upper
128	100		
49	154.5	0.0	384.7
130	131.5	0.0	330.8

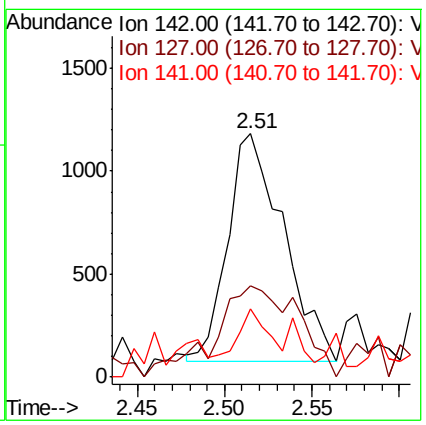


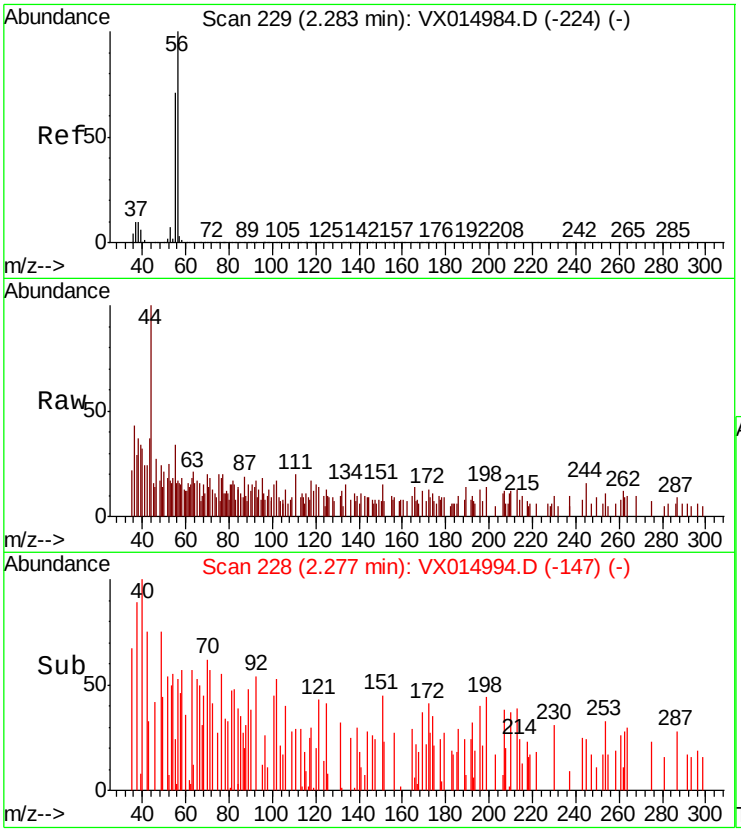


#11
Methyl Iodide
Concen: 0.553 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion:142 Resp: 2455

Ion	Ratio	Lower	Upper
142	100		
127	35.4	19.7	59.0
141	13.2	7.4	22.2



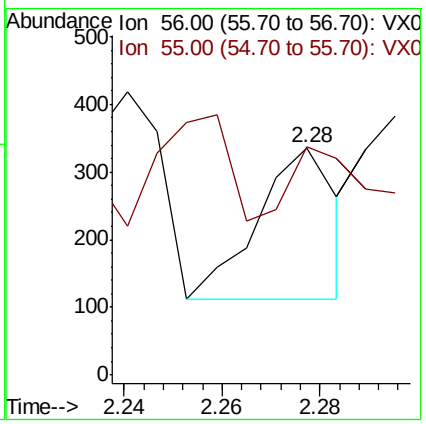


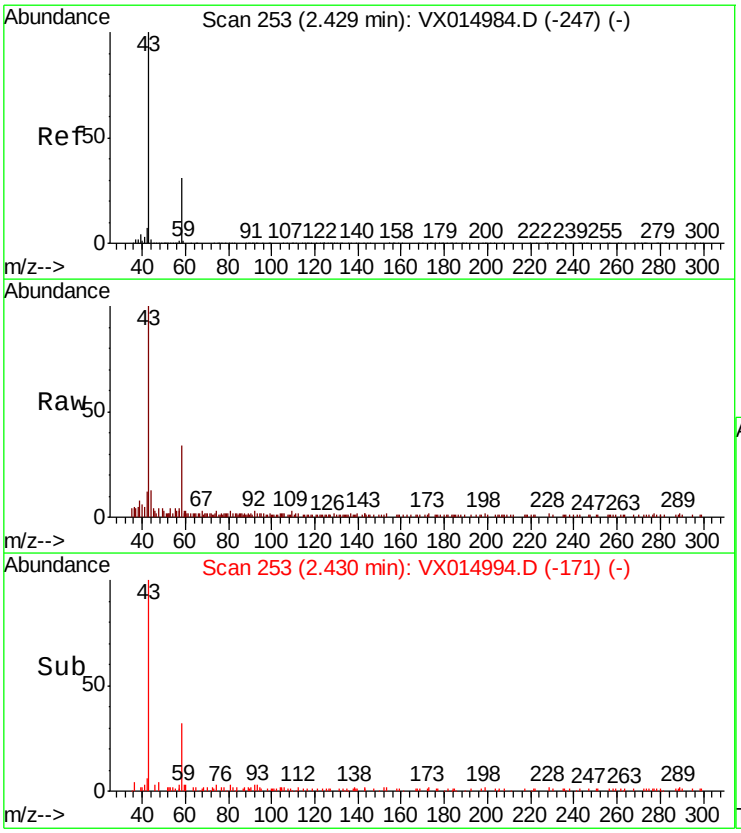
#13
Acrolein
Concen: 0.274 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion: 56 Resp: 248

Ion	Ratio	Lower	Upper
56	100		
55	56.5	56.2	84.2

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

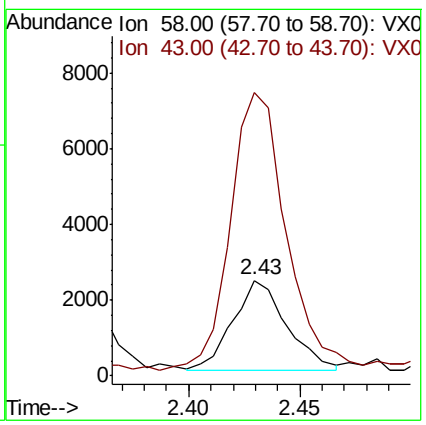


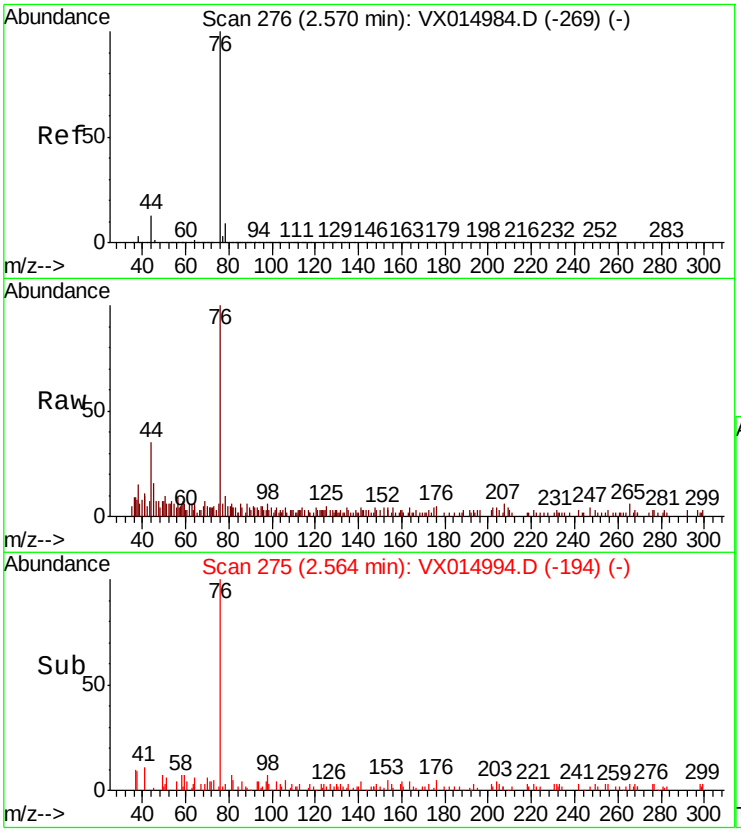


#15
Acetone
Concen: 5.384 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion: 58 Resp: 3956

Ion	Ratio	Lower	Upper
58	100		
43	307.6	257.7	386.5



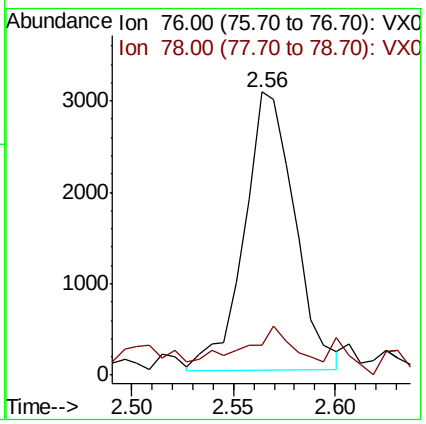


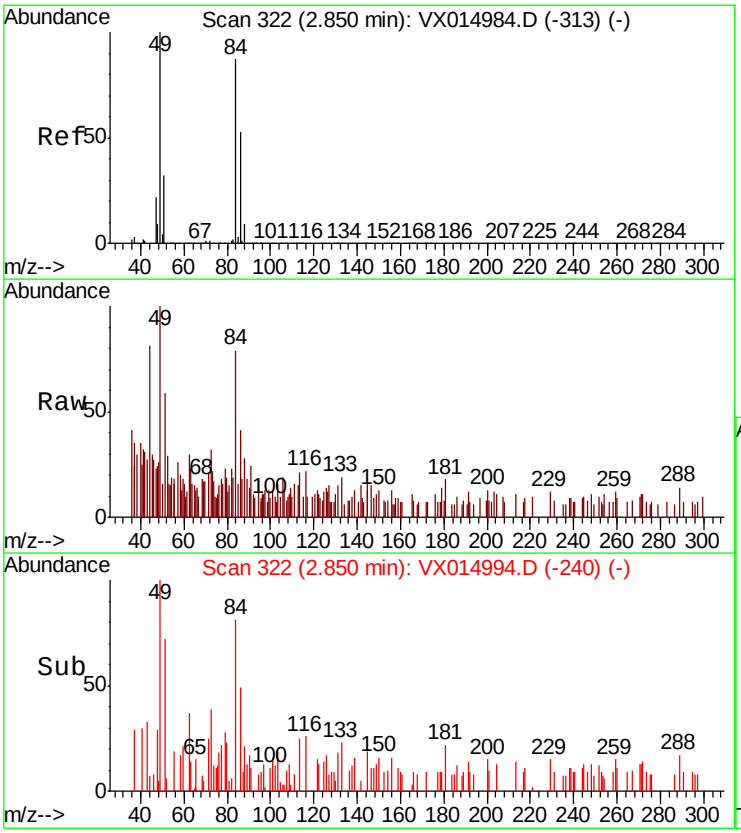
#16
Carbon Disulfide
Concen: 0.533 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion: 76 Resp: 5237

Ion	Ratio	Lower	Upper
76	100		
78	5.8	7.1	10.7#

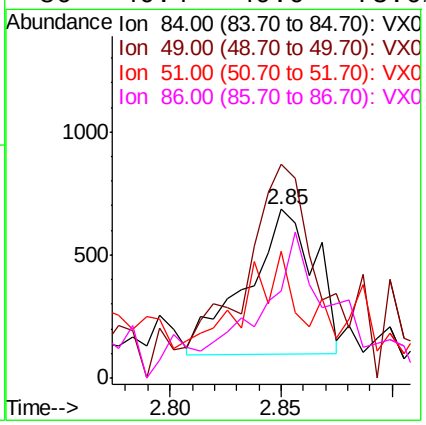


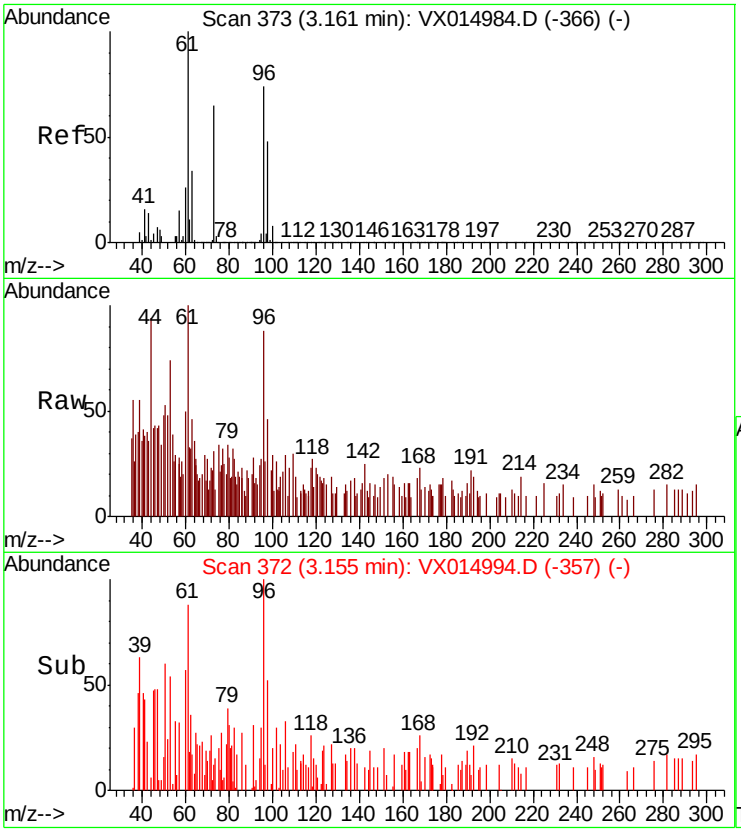


#18
Methylene Chloride
Concen: 0.297 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion: 84 Resp: 1249

Ion	Ratio	Lower	Upper
84	100		
49	131.9	92.2	138.2
51	64.2	29.7	44.5#
86	40.4	49.0	73.6#



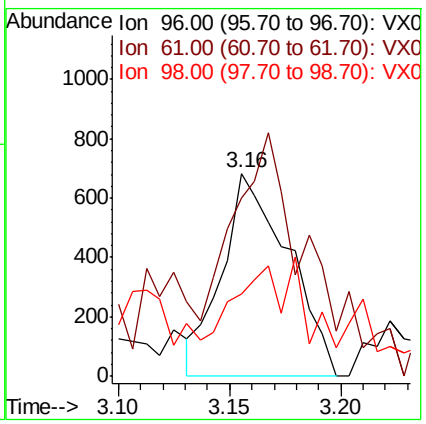


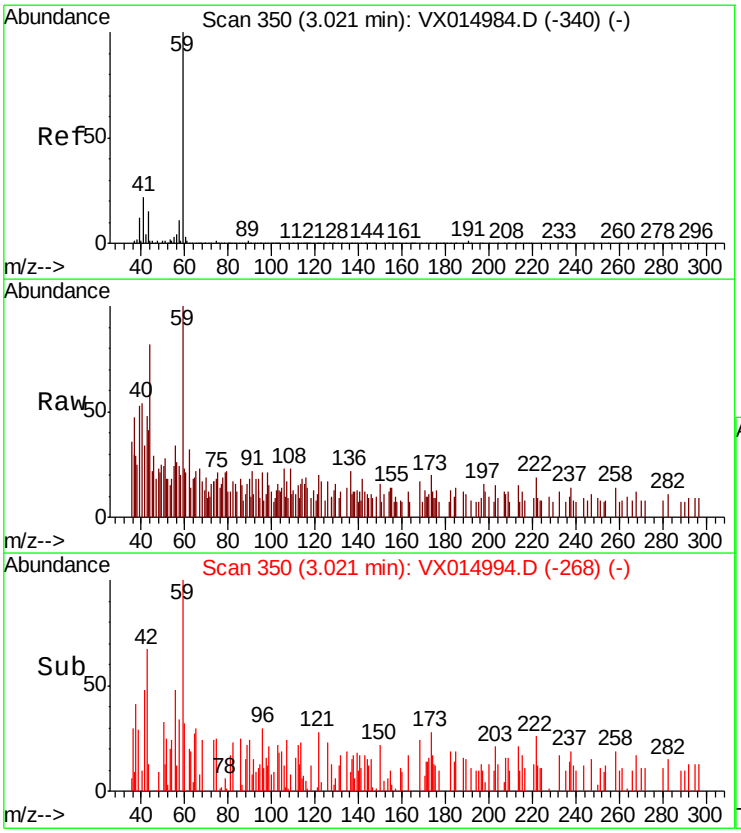
#19
trans-1,2-Dichloroethene
Concen: 0.353 ug/l
RT: 3.16 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion: 96 Resp: 1415

Ion	Ratio	Lower	Upper
96	100		
61	50.7	107.1	160.7#
98	14.5	51.4	77.2#

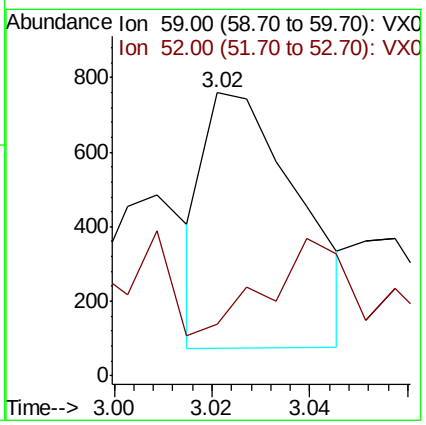


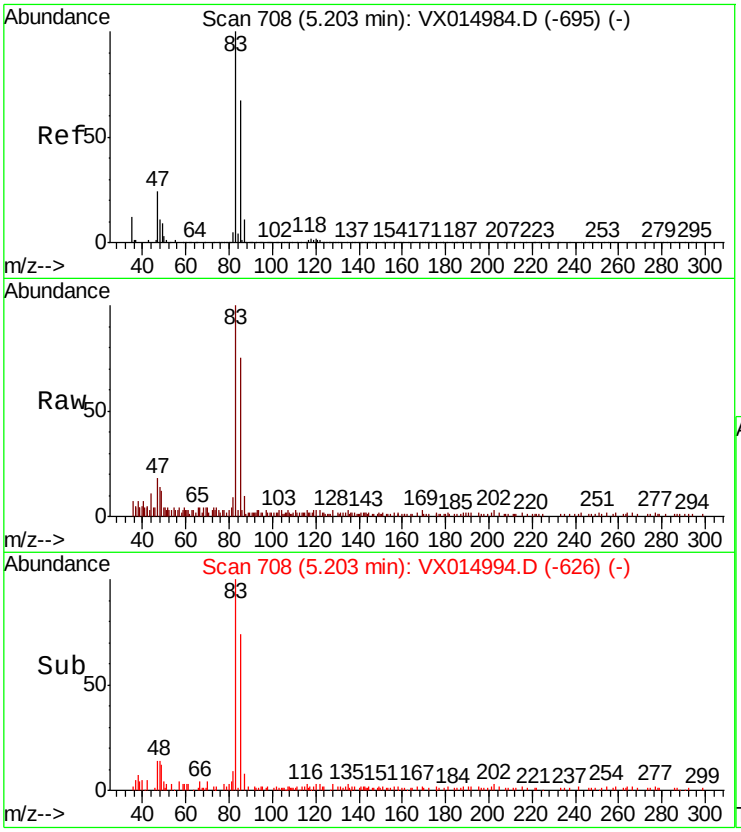


#23
tert-Butyl Alcohol
Concen: 1.118 ug/l
RT: 3.02 min Scan# 350
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion: 59 Resp: 910

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.4	0.6#



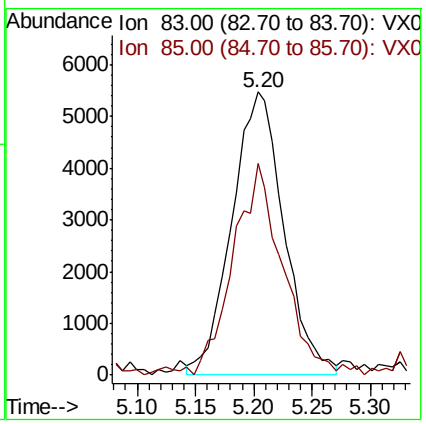


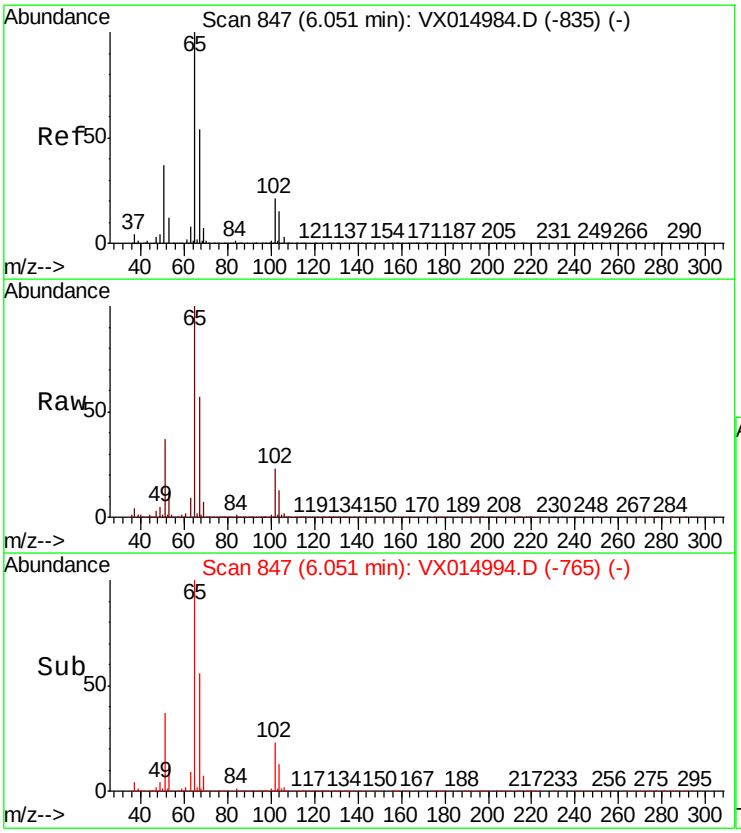
#25
Chloroform
Concen: 2.369 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion: 83 Resp: 16996

Ion	Ratio	Lower	Upper
83	100		
85	75.6	53.4	80.0

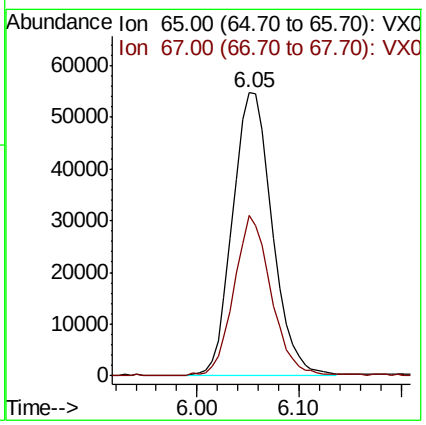


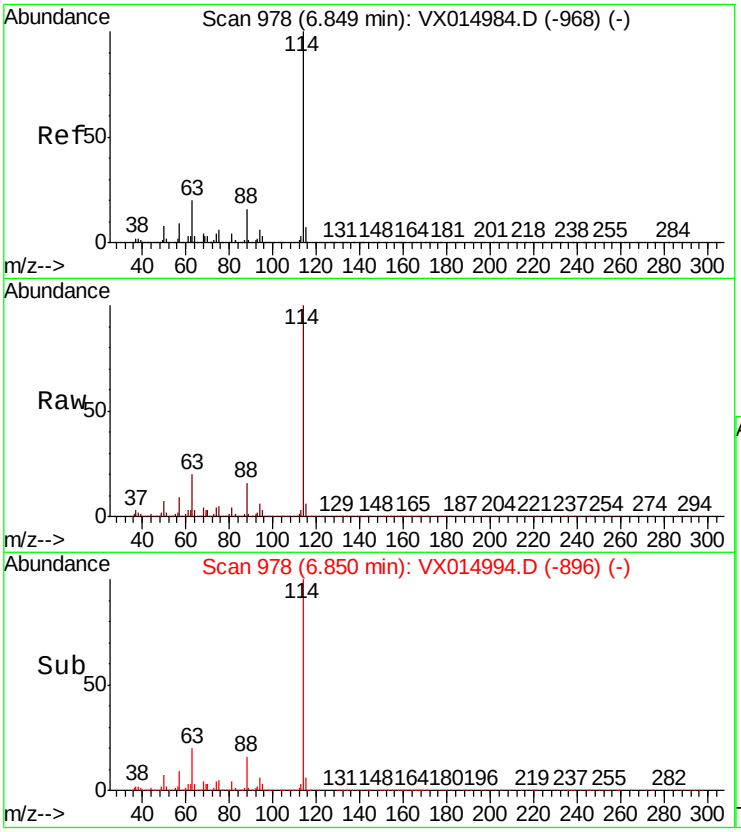


#27
1,2-Dichloroethane-d4
Concen: 30.501 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion: 65 Resp: 147405

Ion	Ratio	Lower	Upper
65	100		
67	52.9	41.9	62.9



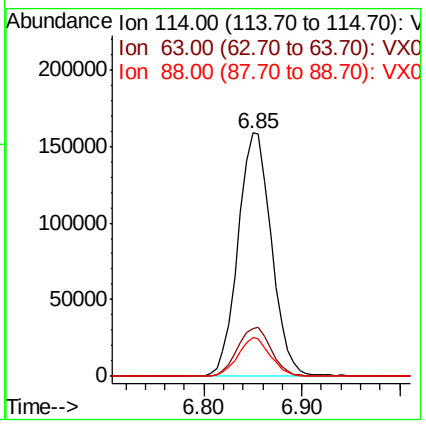


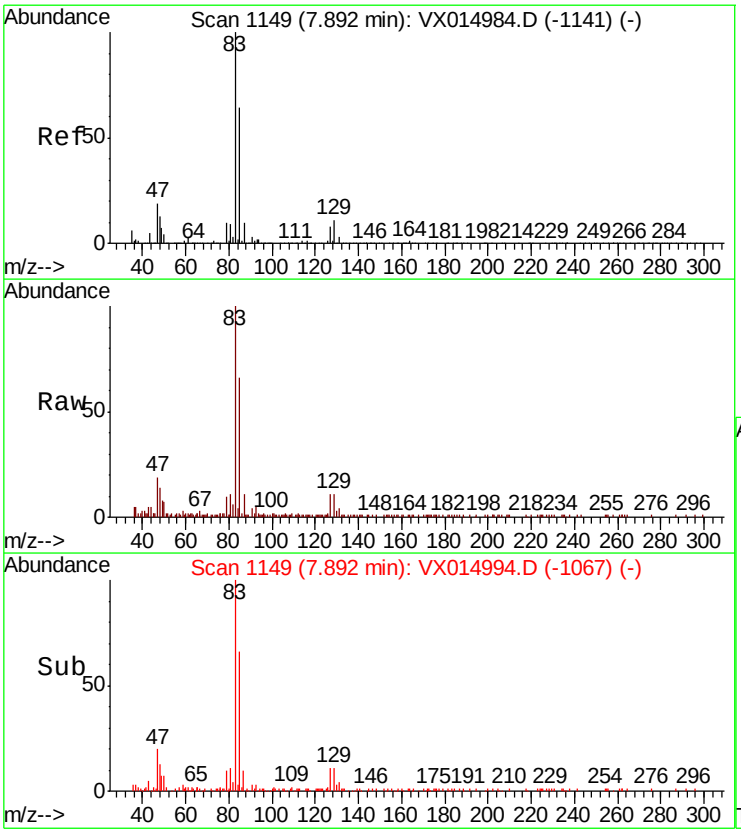
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion:114 Resp: 378234

Ion	Ratio	Lower	Upper
114	100		
63	19.9	15.6	23.4
88	15.5	12.2	18.2

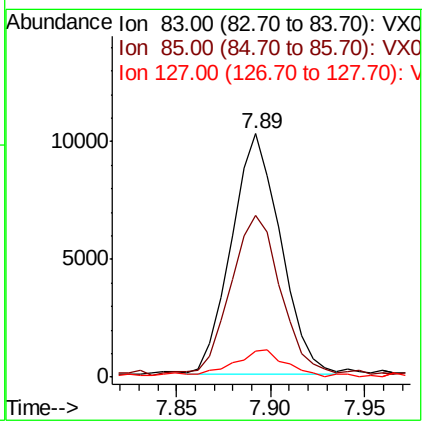


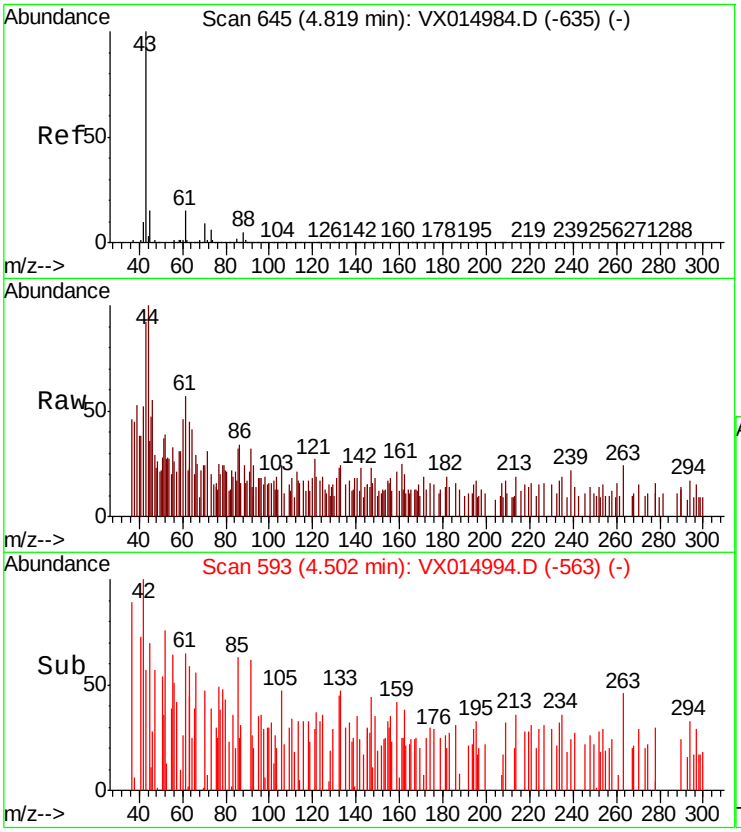


#41
Bromodichloromethane
Concen: 3.391 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion: 83 Resp: 18587

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.0	76.4
127	9.9	6.6	10.0



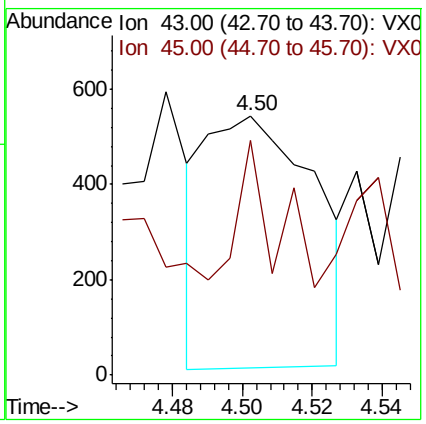


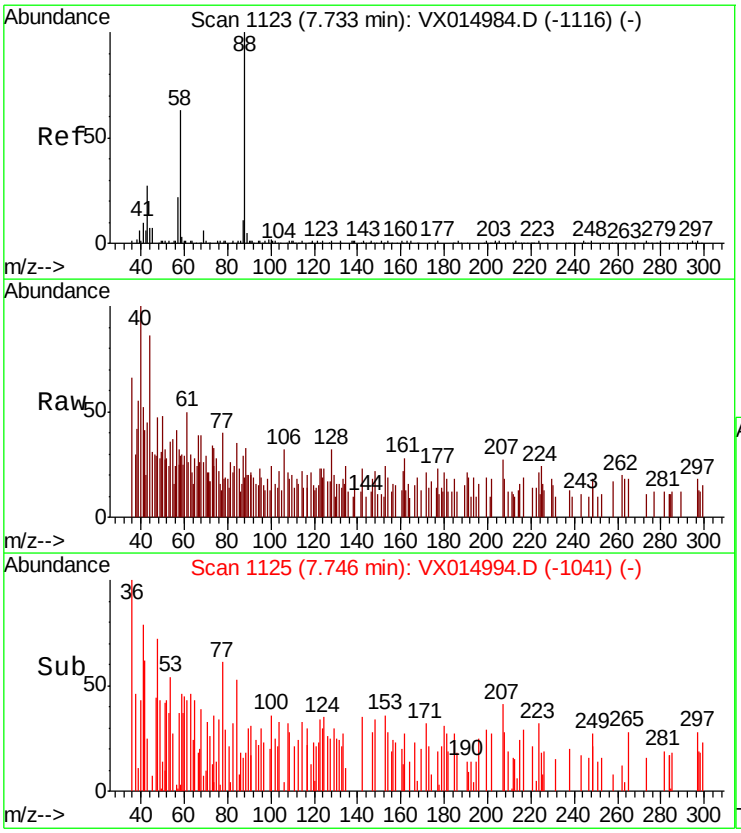
#43
Ethyl Acetate
Concen: 0.206 ug/l
RT: 4.50 min Scan# 593
Delta R.T. -0.32 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion: 43 Resp: 1152

Ion	Ratio	Lower	Upper
43	100		
45	16.1	10.8	16.2

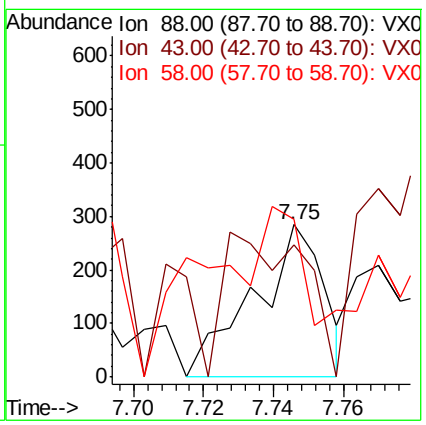


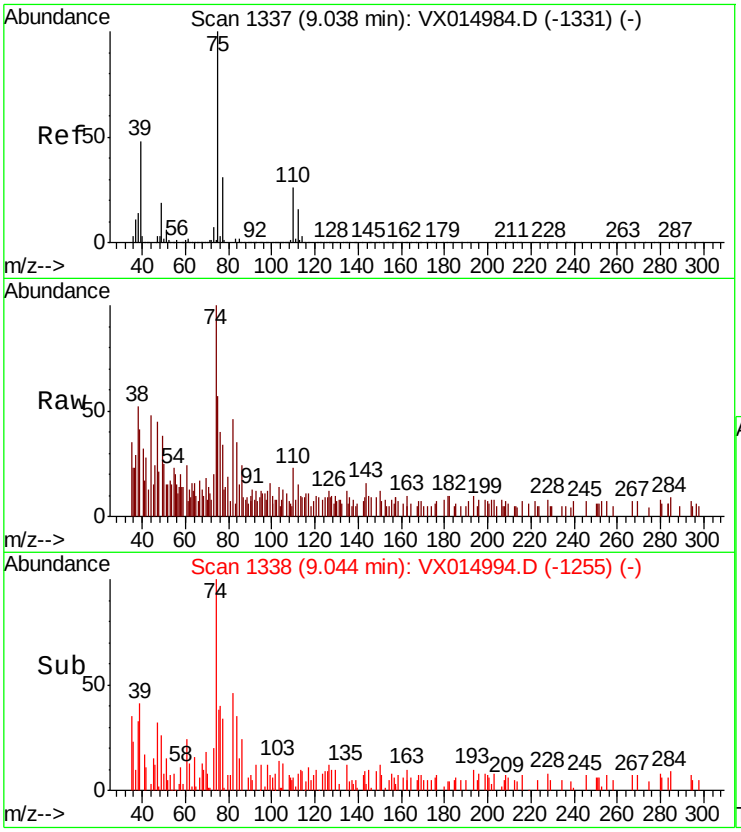


#45
1,4-Dioxane
Concen: 4.563 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion: 88 Resp: 396

Ion	Ratio	Lower	Upper
88	100		
43	66.4	25.4	38.2#
58	39.1	55.8	83.8#



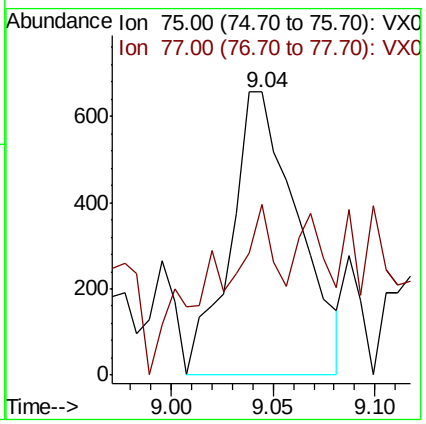


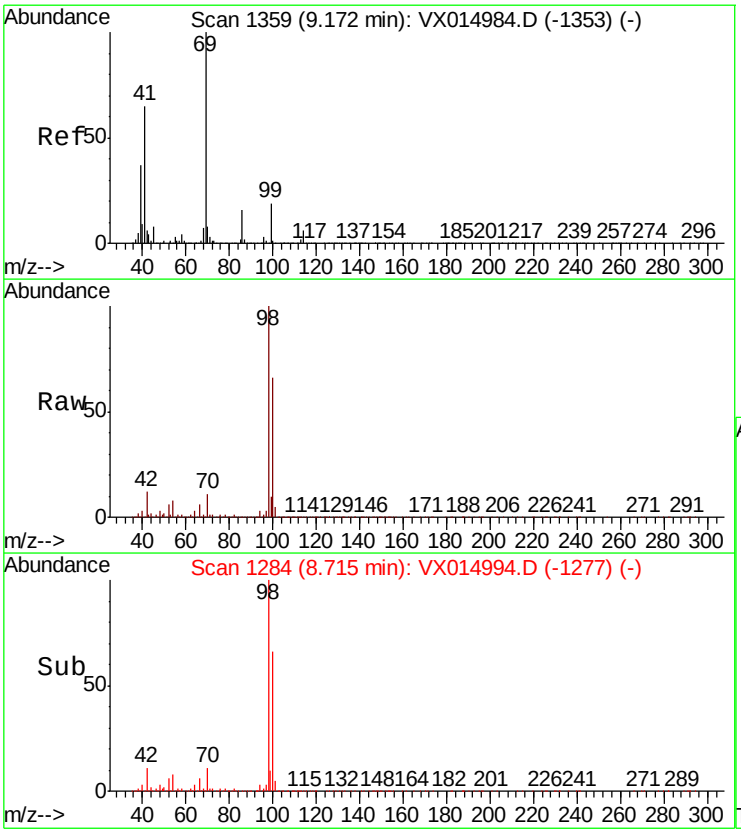
#48
t-1,3-Dichloropropene
Concen: 0.247 ug/l
RT: 9.04 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion: 75 Resp: 1501

Ion	Ratio	Lower	Upper
75	100		
77	36.2	24.6	36.8

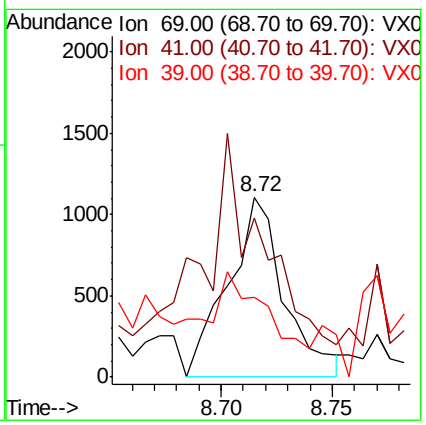


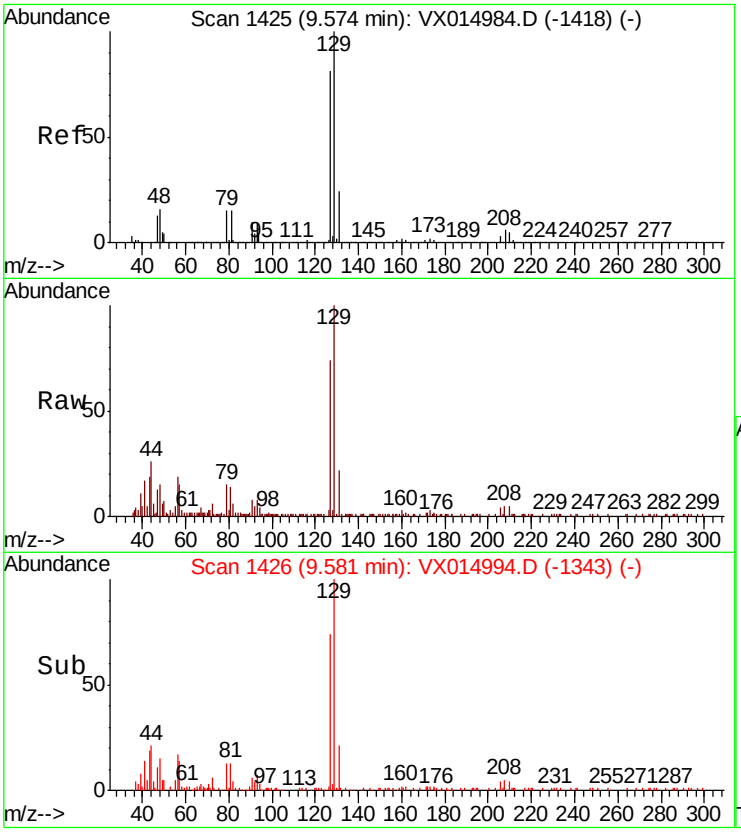


#51
Ethyl methacrylate
Concen: 0.303 ug/l
RT: 8.72 min Scan# 1284
Delta R.T. -0.46 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion: 69 Resp: 1935

Ion	Ratio	Lower	Upper
69	100		
41	70.2	32.7	98.1
39	20.4	18.2	54.6



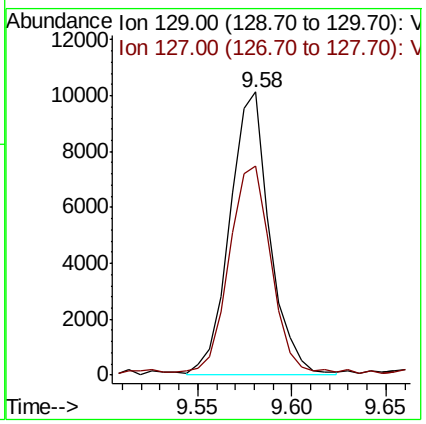


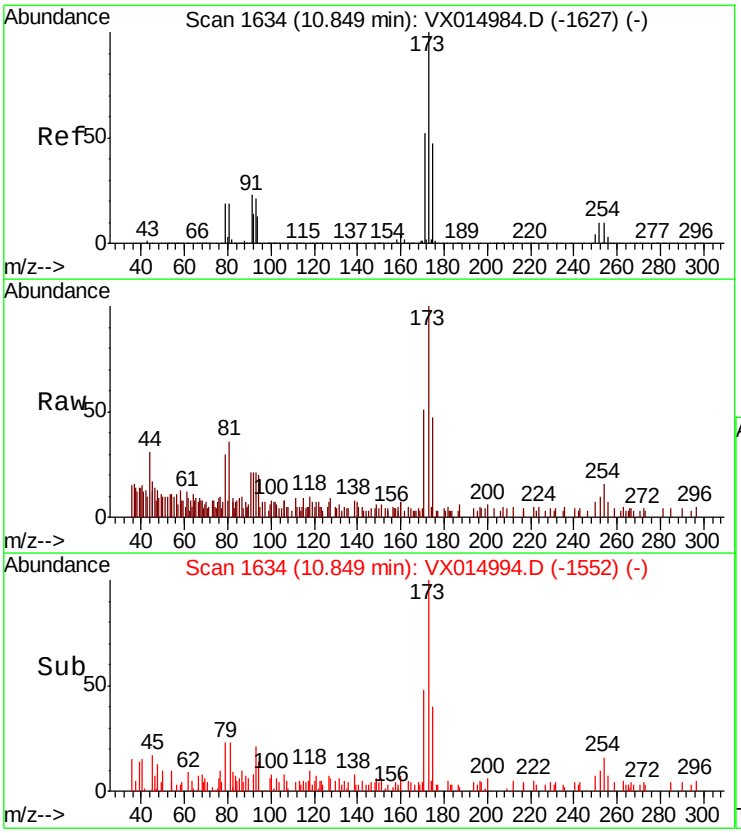
#53
Dibromochloromethane
Concen: 3.340 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion:129 Resp: 14929

Ion	Ratio	Lower	Upper
129	100		
127	75.0	38.3	114.9

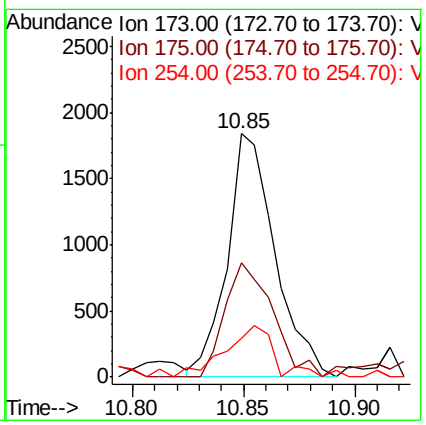


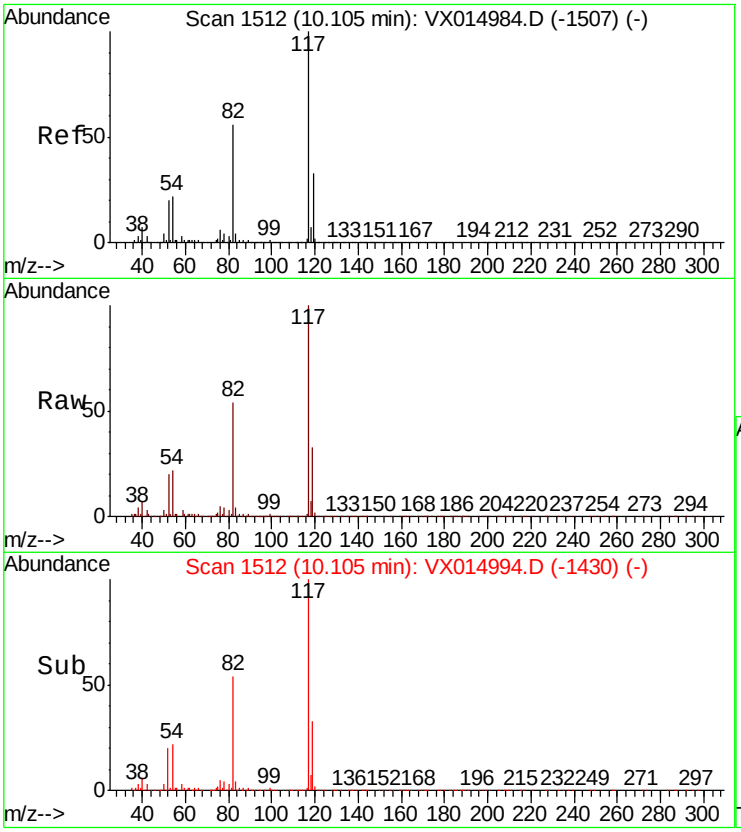


#56
Bromoform
Concen: 0.786 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion:173 Resp: 2755

Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.6	57.8
254	19.7	8.6	13.0#



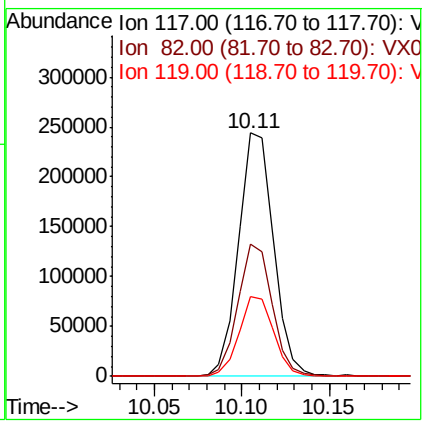


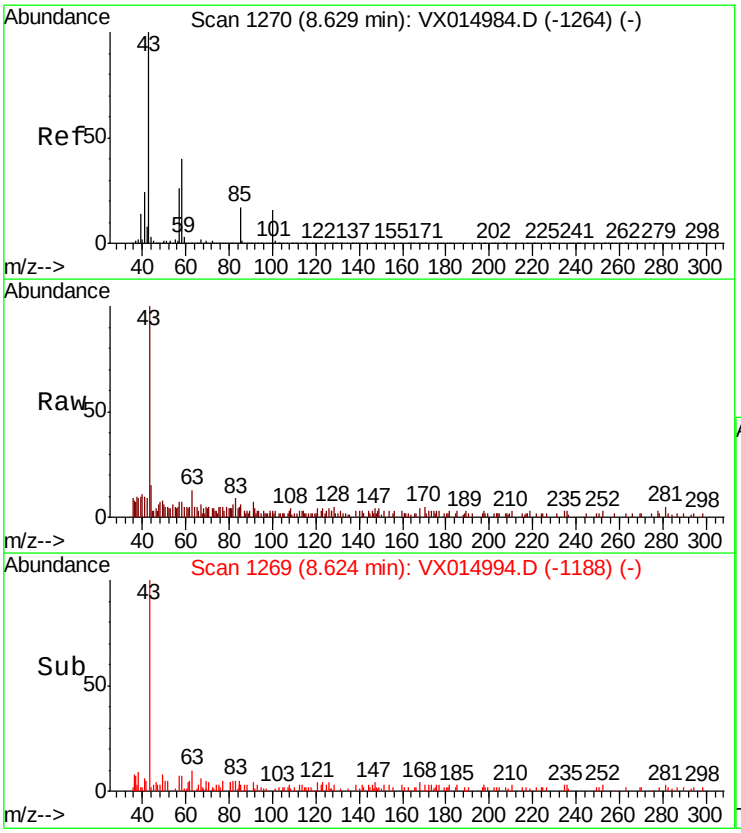
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument : MSVOA_X
ClientSampleId : MANHOLE

Tgt Ion:117 Resp: 341935

Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.4	65.2
119	32.2	26.0	39.0

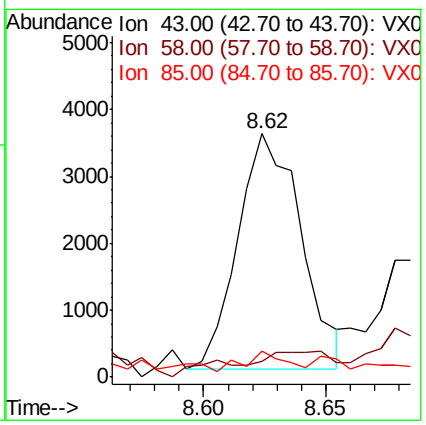


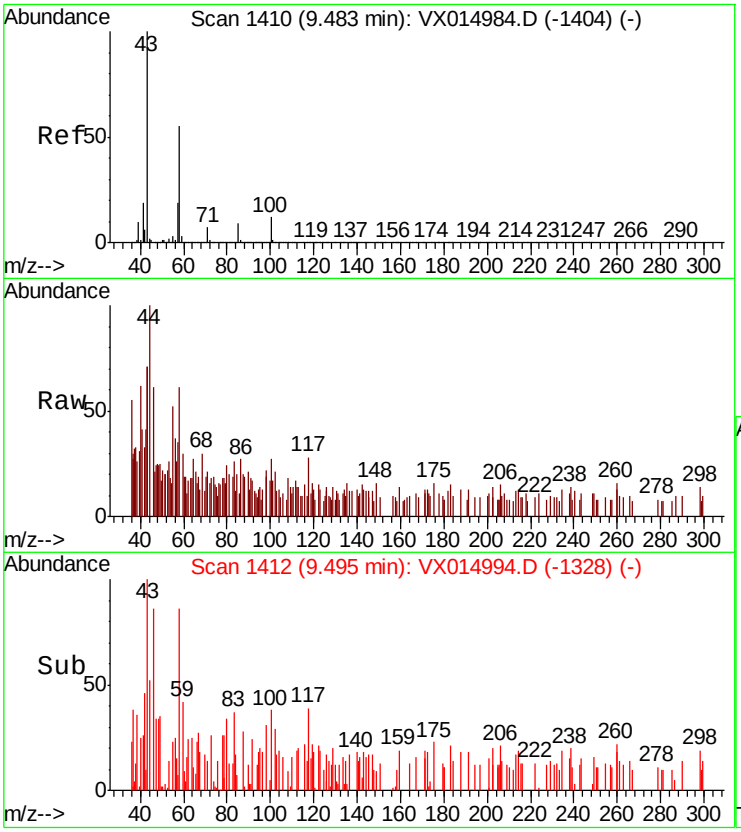


#58
4-Methyl-2-Pentanone
Concen: 1.134 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion: 43 Resp: 6354

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.7	47.5#
85	8.3	14.4	21.6#



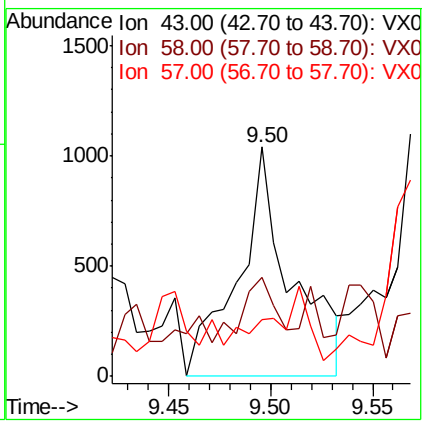


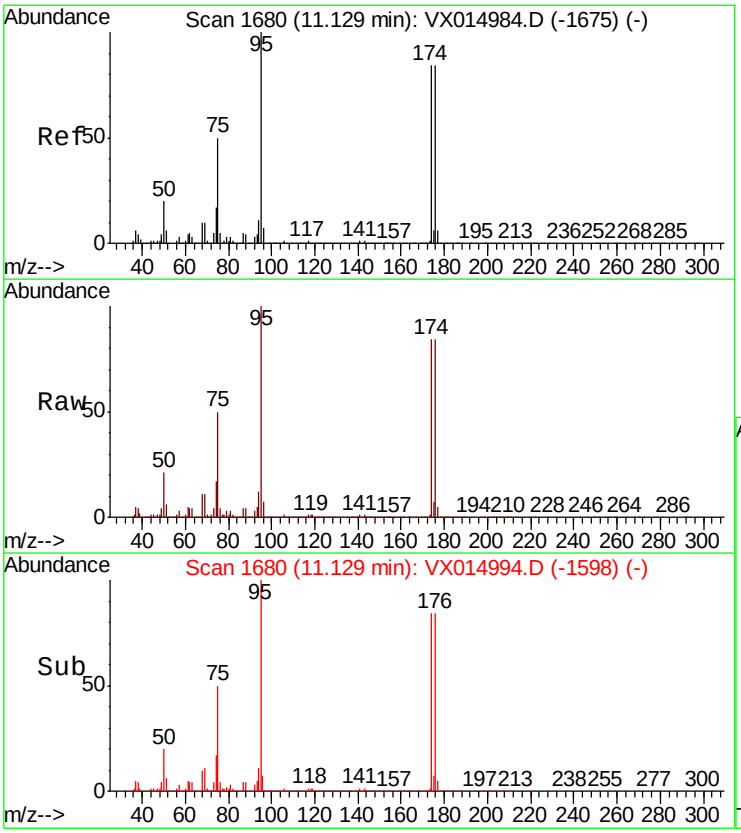
#59
2-Hexanone
Concen: 0.432 ug/l
RT: 9.50 min Scan# 1412
Delta R.T. 0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument : MSVOA_X
ClientSampleId : MANHOLE

Tgt Ion: 43 Resp: 1893

Ion	Ratio	Lower	Upper
43	100		
58	15.5	44.1	66.1#
57	8.5	15.3	22.9#

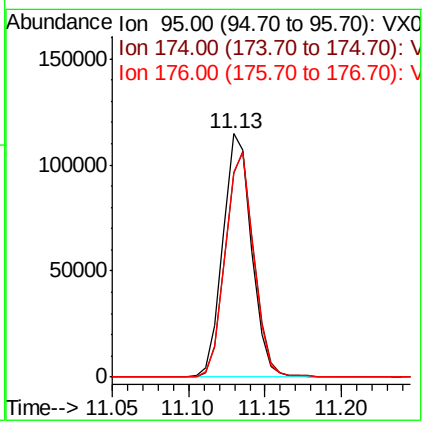


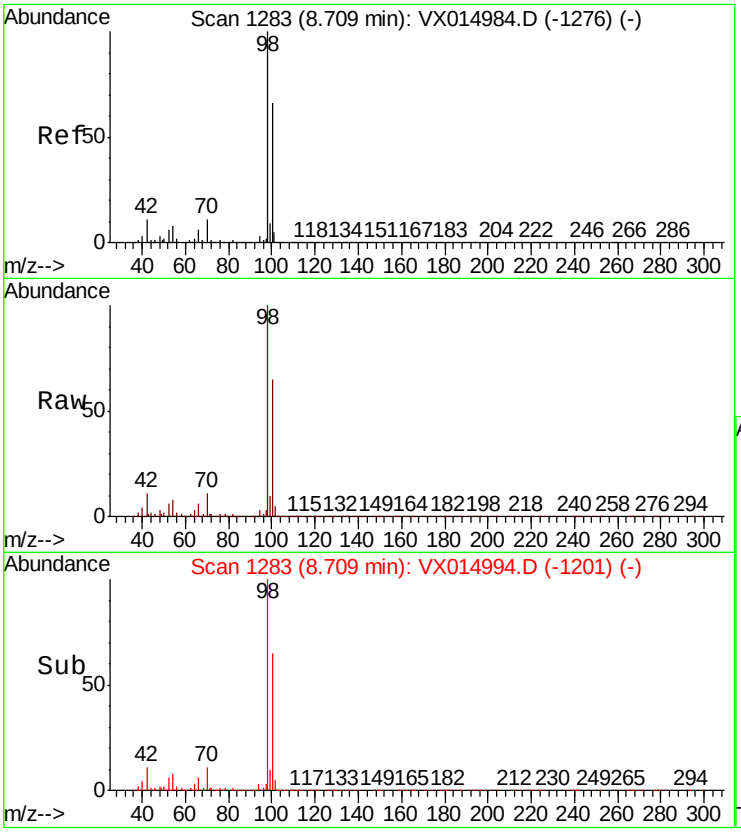


#60
4-Bromofluorobenzene
Concen: 27.991 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion: 95 Resp: 149069

Ion	Ratio	Lower	Upper
95	100		
174	92.1	72.3	108.5
176	91.0	72.0	108.0



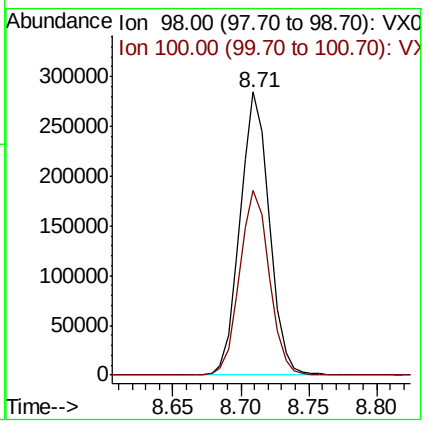


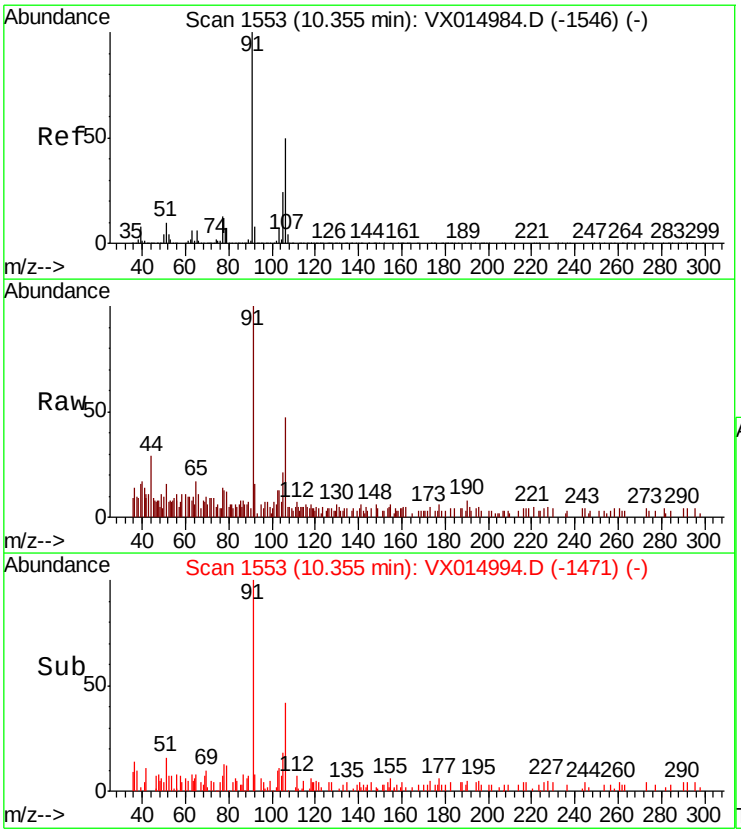
#63
Toluene-d8
Concen: 28.680 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion: 98 Resp: 427660

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.8	79.2

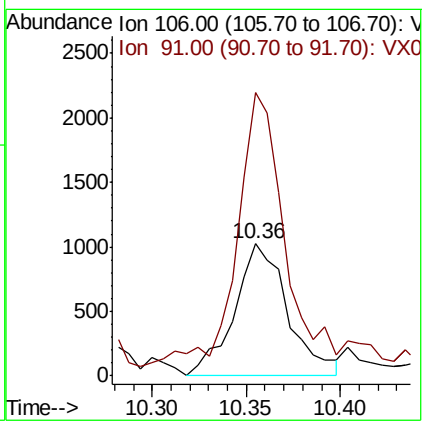


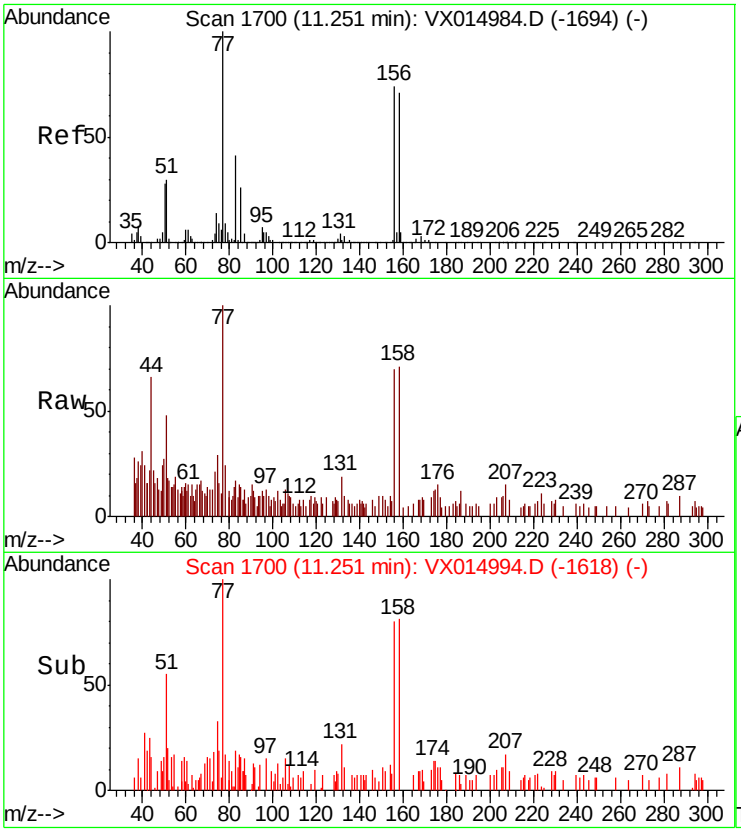


#67
m/p-Xylenes
Concen: 0.272 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion:106 Resp: 2025

Ion	Ratio	Lower	Upper
106	100		
91	169.3	160.4	240.6



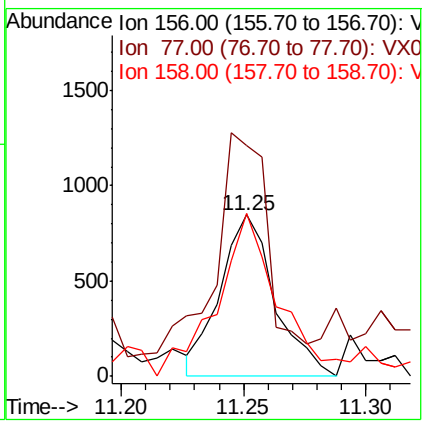


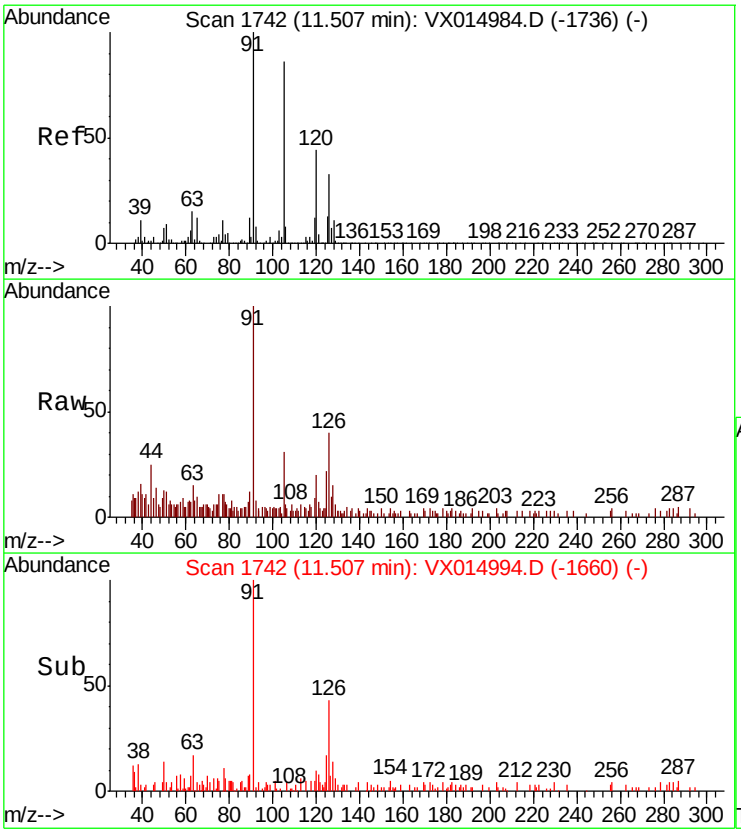
#73
Bromobenzene
Concen: 0.254 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion:156 Resp: 1312

Ion	Ratio	Lower	Upper
156	100		
77	140.6	0.0	286.8
158	115.0	0.0	191.8

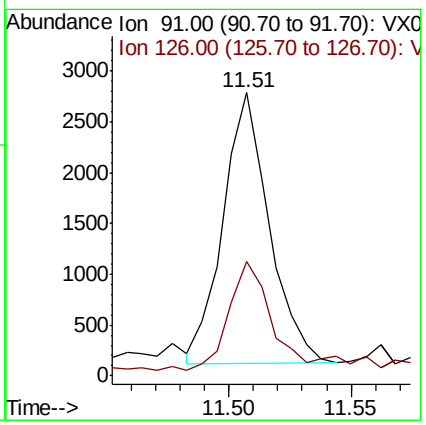


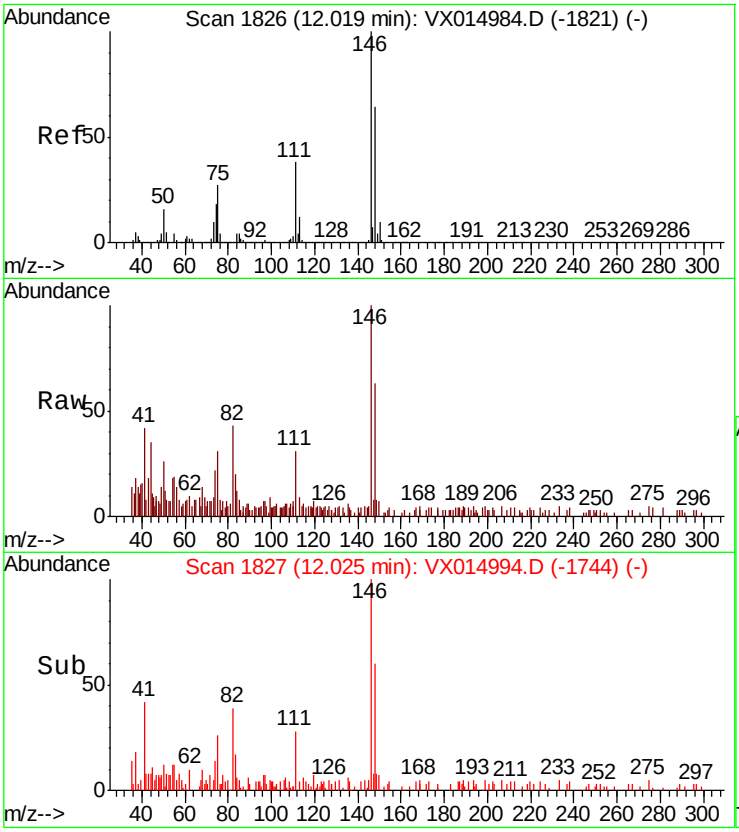


#78
4-Chlorotoluene
Concen: 0.234 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion: 91 Resp: 3487

Ion	Ratio	Lower	Upper
91	100		
126	37.7	0.0	62.0



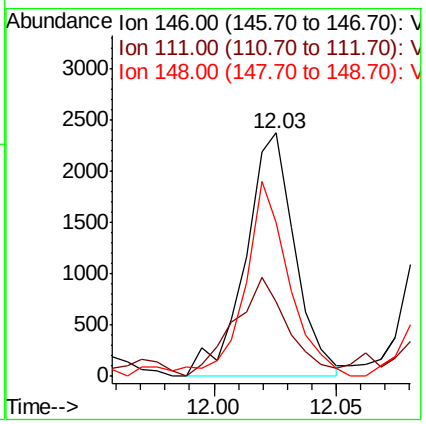


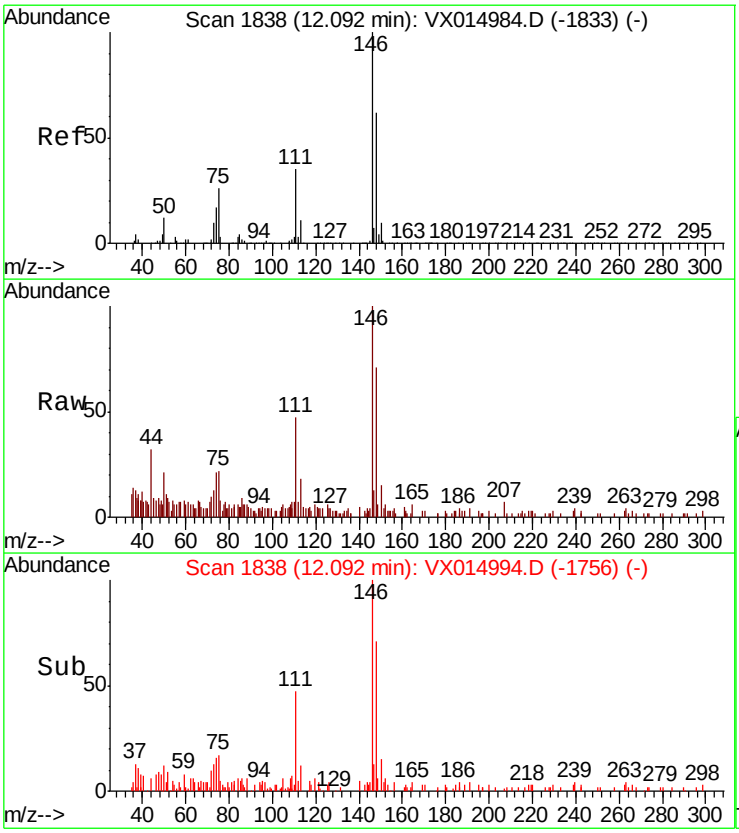
#83
1,3-Dichlorobenzene
Concen: 0.370 ug/l
RT: 12.03 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion:146 Resp: 3355

Ion	Ratio	Lower	Upper
146	100		
111	44.6	19.3	57.9
148	71.3	32.3	96.9

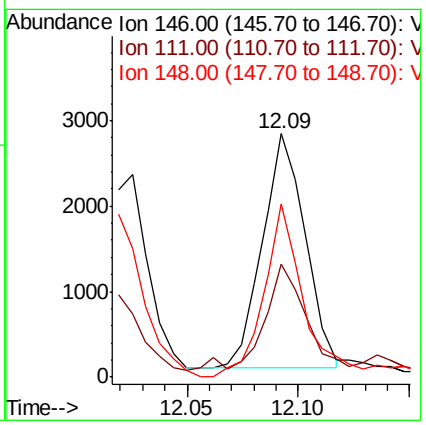


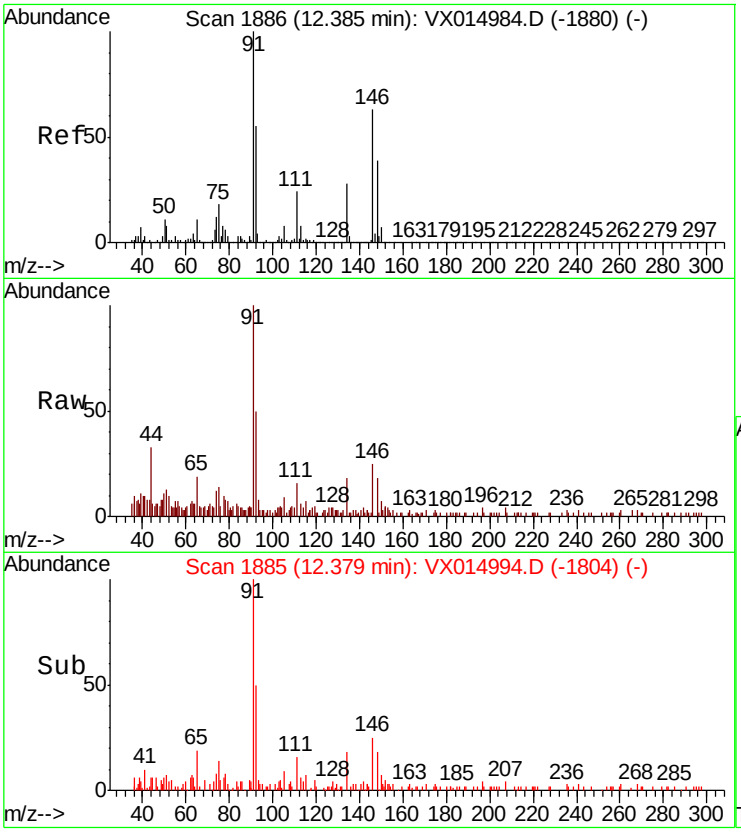


#84
1,4-Dichlorobenzene
Concen: 0.402 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion:146 Resp: 3665

Ion	Ratio	Lower	Upper
146	100		
111	46.0	17.8	53.5
148	67.4	31.4	94.2



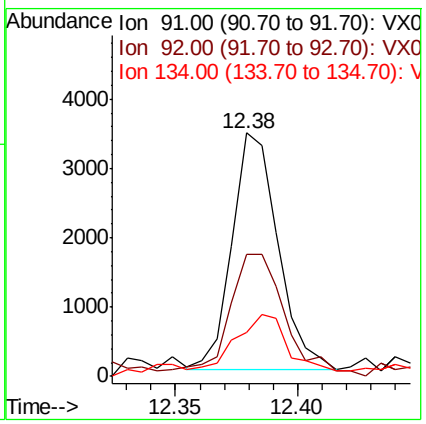


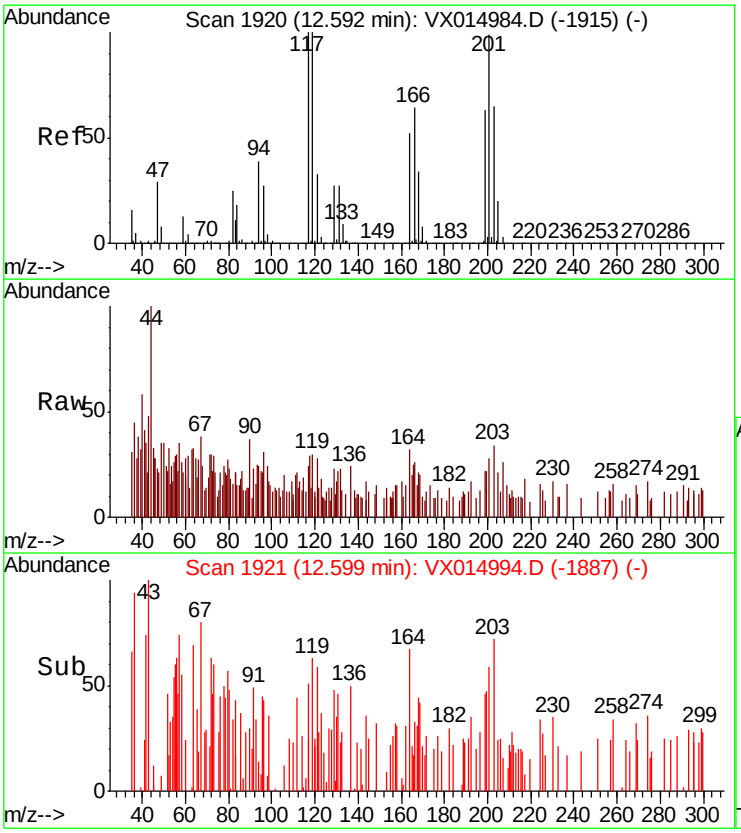
#85
n-Butylbenzene
Concen: 0.298 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion: 91 Resp: 4469

Ion	Ratio	Lower	Upper
91	100		
92	64.1	0.0	109.8
134	28.2	0.0	54.8

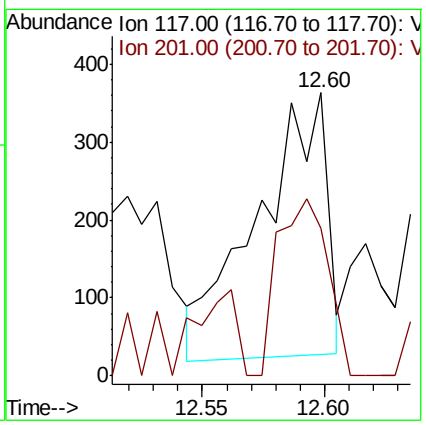


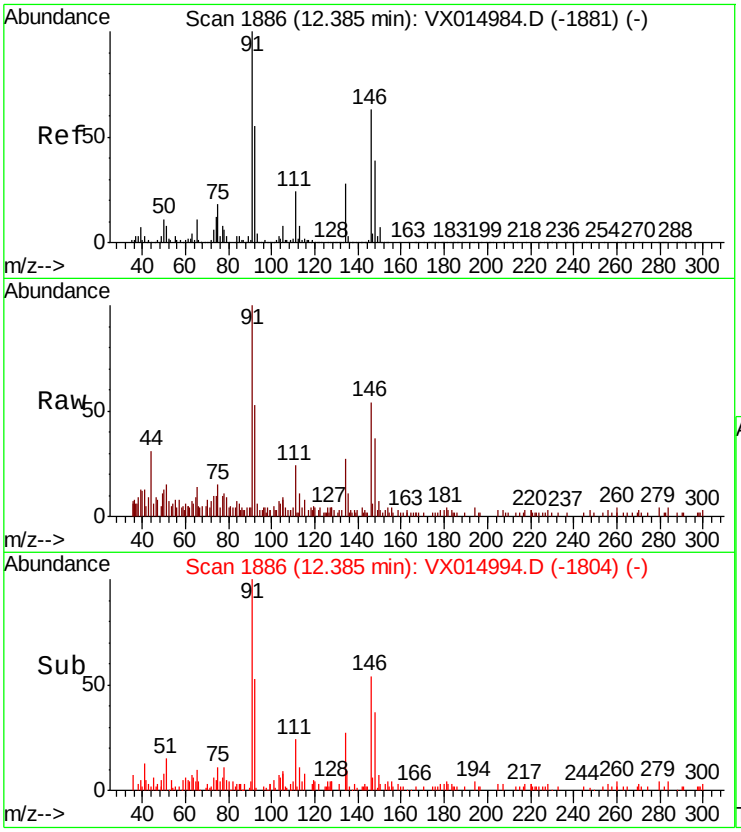


#86
Hexachloroethane
Concen: 0.212 ug/l
RT: 12.60 min Scan# 1921
Delta R.T. 0.01 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion:117 Resp: 660

Ion	Ratio	Lower	Upper
117	100		
201	49.2	45.6	136.7



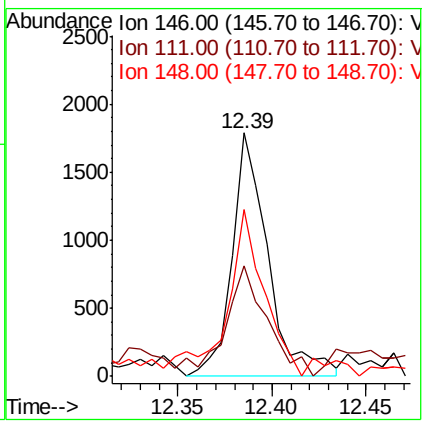


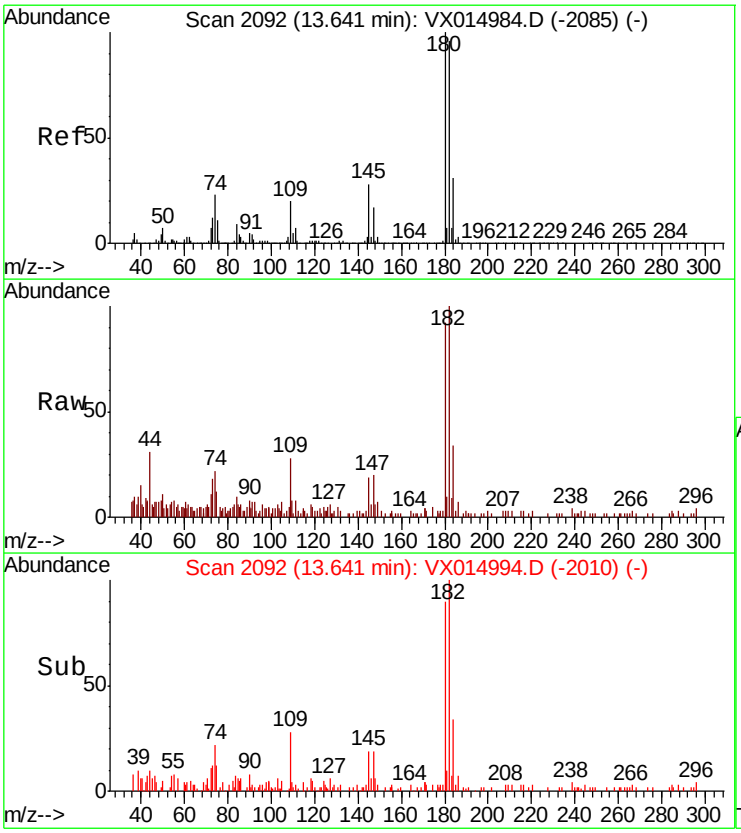
#87
1,2-Dichlorobenzene
Concen: 0.264 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion:146 Resp: 2377

Ion	Ratio	Lower	Upper
146	100		
111	50.0	19.7	59.1
148	64.1	32.0	96.0

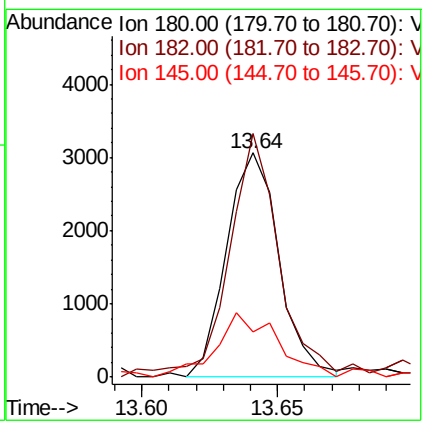


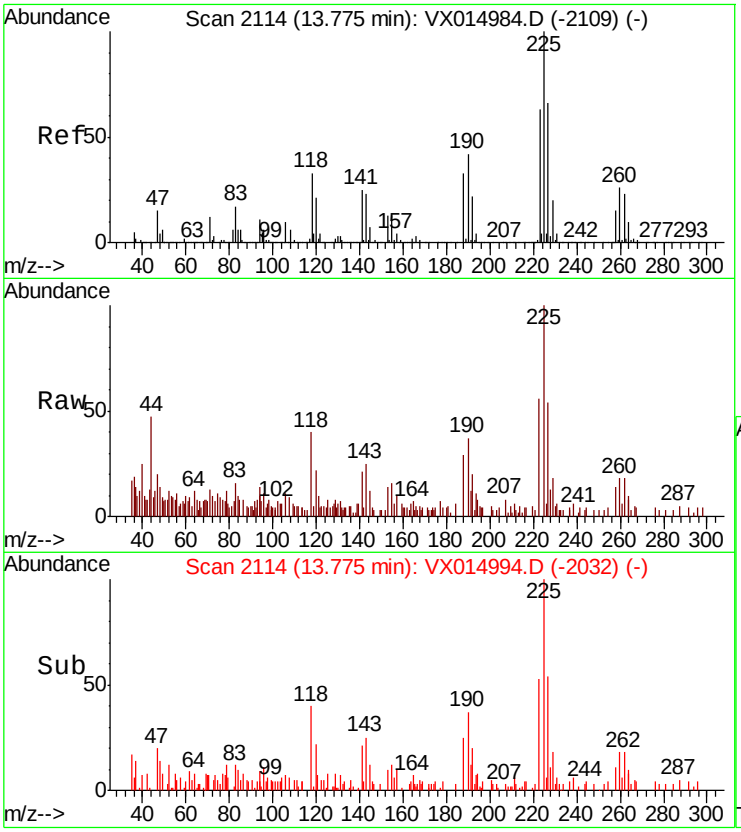


#89
1,2,4-Trichlorobenzene
Concen: 0.633 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion:180 Resp: 4100

Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.4	114.6
145	33.5	21.8	32.6#



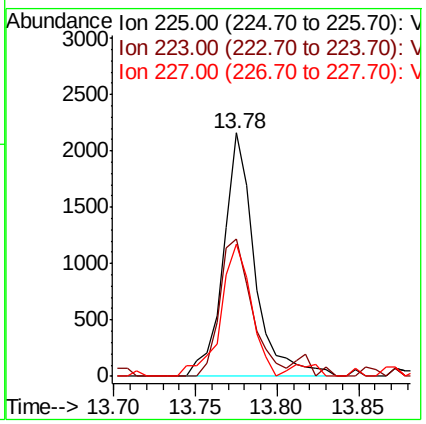


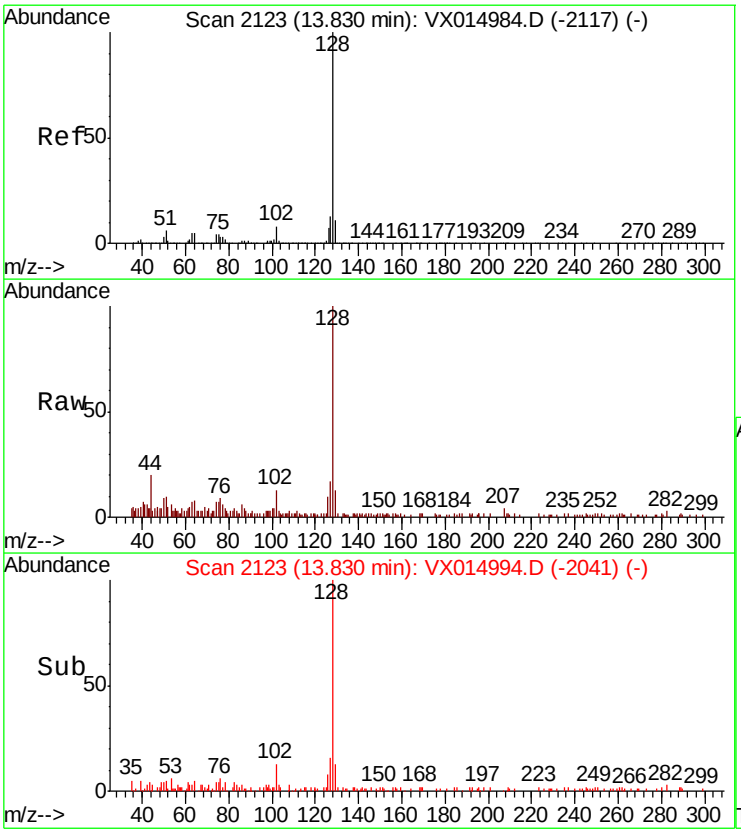
#90
Hexachlorobutadiene
Concen: 0.894 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion:225 Resp: 2877

Ion	Ratio	Lower	Upper
225	100		
223	58.7	0.0	132.0
227	53.0	0.0	131.0

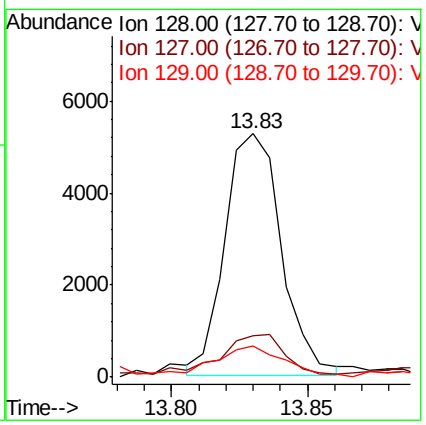


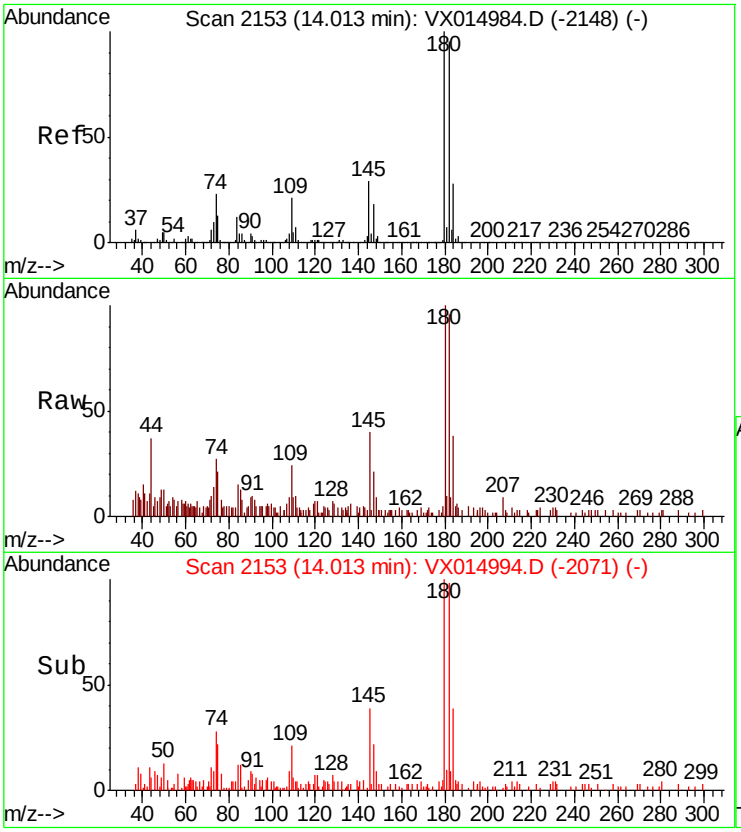


#91
Naphthalene
Concen: 0.413 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Tgt Ion:128 Resp: 7580

Ion	Ratio	Lower	Upper
128	100		
127	18.3	10.2	15.4#
129	15.1	8.6	13.0#





#92
1,2,3-Trichlorobenzene
Concen: 0.605 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014994.D
Acq: 21 Feb 2020 14:35

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion:180 Resp: 3896

Ion	Ratio	Lower	Upper
180	100		
182	85.5	0.0	192.4
145	34.1	0.0	60.4