Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
Data File : VX001630.D
Acq On : 11 May 2018 04:48
Operator : JC/MD
Sample : J2801-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SEWER-OUTFALL-002

Quant Time: May 11 07:25:47 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X051118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 11 07:16:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	53560	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	298922	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	269558	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	126460	32.36	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 107.87%			
60) 4-Bromofluorobenzene	11.14	95	121004	28.37	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 94.57%			
63) Toluene-d8	8.72	98	349539	29.08	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 96.93%			
Target Compounds						Qvalue
5) Bromomethane	1.65	94	1302	0.87	ug/l	90
11) Methyl Iodide	2.52	142	1483	0.41	ug/l	90
12) Methyl Acetate	2.79	43	10107	2.40	ug/l	94
13) Acrolein	2.29	56	713	1.49	ug/l	100
14) Acrylonitrile	3.15	53	392	0.23	ug/l #	62
15) Acetone	2.45	58	4805082	10622.84	ug/l #	65
17) Allyl chloride	2.68	41	2704160	571.87	ug/l #	73
18) Methylene Chloride	2.86	84	986	0.34	ug/l #	86
23) tert-Butyl Alcohol	3.08	59	203	0.27	ug/l #	84
25) Chloroform	5.22	83	55313	10.57	ug/l	98
30) 2-Butanone	4.73	43	7174	2.90	ug/l #	96
38) Methylcyclohexane	7.91	83	4744	1.18	ug/l #	17
41) Bromodichloromethane	7.91	83	4782	1.18	ug/l #	95
43) Ethyl Acetate	4.87	43	1999	0.42	ug/l	100
44) Isopropyl Acetate	6.48	43	25771	3.56	ug/l	99
51) Ethyl methacrylate	8.73	69	1275	0.28	ug/l	96
53) Dibromochloromethane	9.59	129	1115	0.34	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	1682	0.35	ug/l #	70
77) t-1,4-Dichloro-2-butene	11.14	75	59150	51.67	ug/l #	4
79) tert-butylbenzene	12.07	119	30416	2.49	ug/l	89
82) p-Isopropyltoluene	12.07	119	30416	2.49	ug/l	89

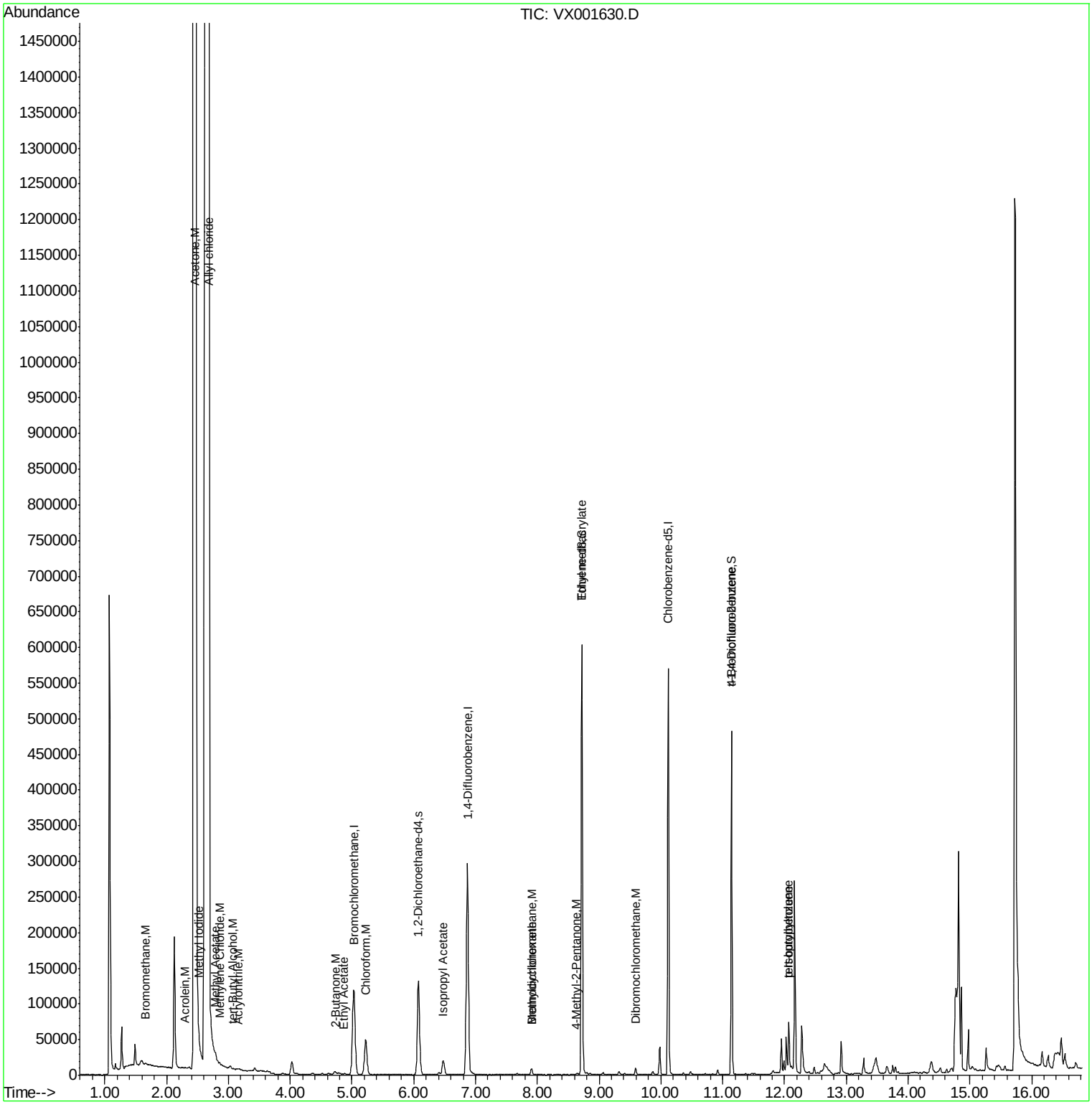
(#) = qualifier out of range (m) = manual integration (+) = signals summed

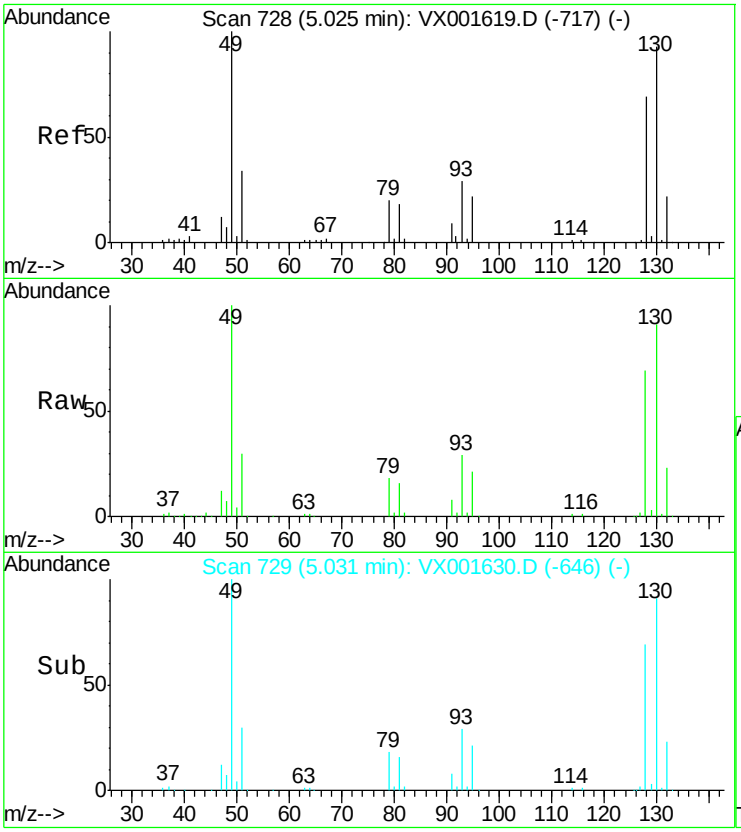
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
Data File : VX001630.D
Acq On : 11 May 2018 04:48
Operator : JC/MD
Sample : J2801-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Quant Time: May 11 07:25:47 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X051118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 11 07:16:13 2018
Response via : Initial Calibration



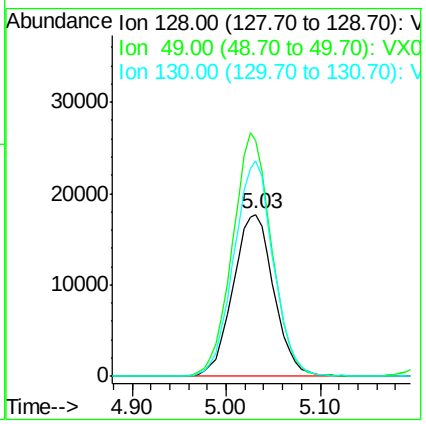


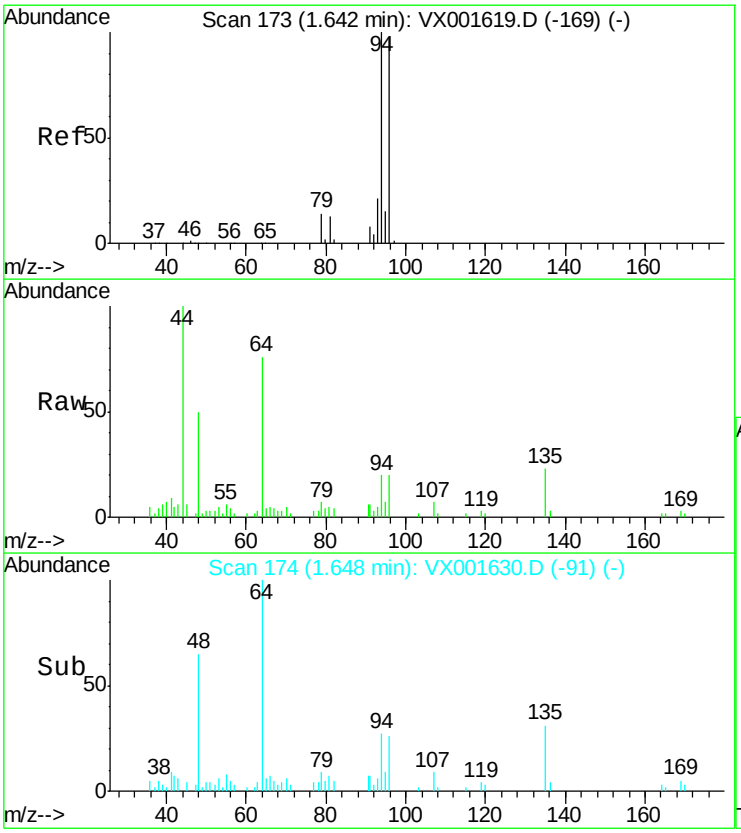
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.01 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion:128 Resp: 53560

Ion	Ratio	Lower	Upper
128	100		
49	144.1	0.0	372.0
130	129.2	0.0	326.5

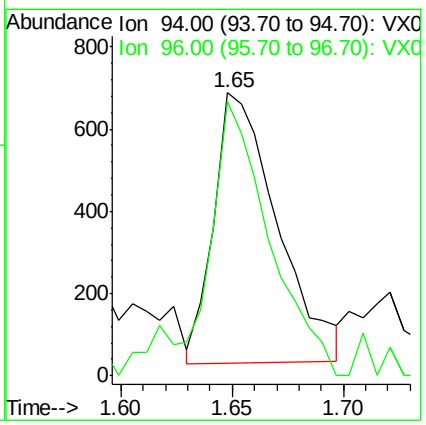


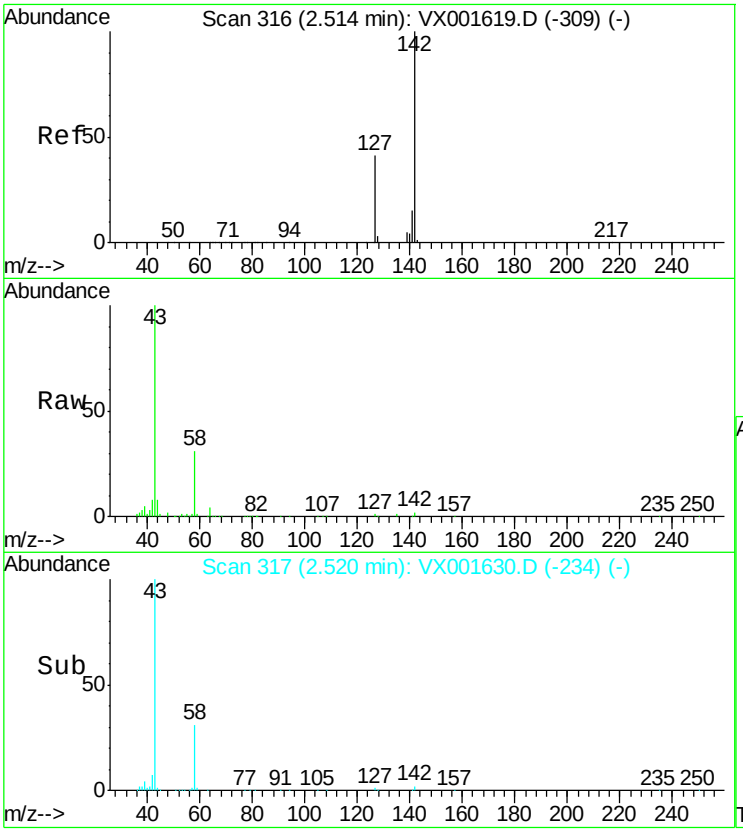


#5
Bromomethane
Concen: 0.87 ug/l
RT: 1.65 min Scan# 174
Delta R.T. 0.01 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion: 94 Resp: 1302

Ion	Ratio	Lower	Upper
94	100		
96	107.1	77.8	116.8



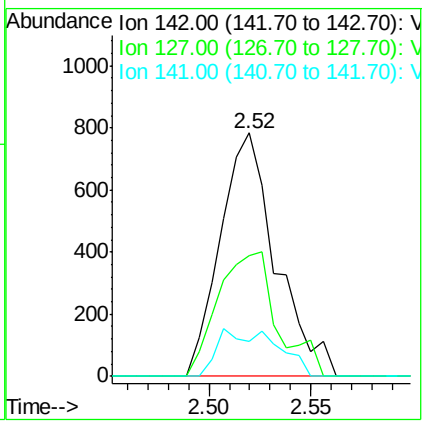


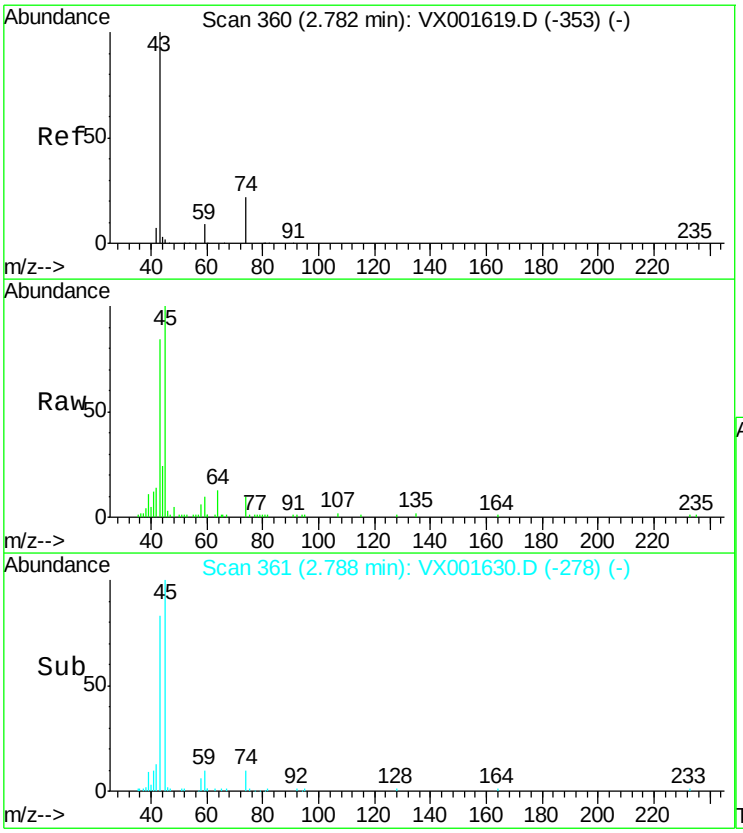
#11
Methyl Iodide
Concen: 0.41 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion:142 Resp: 1483

Ion	Ratio	Lower	Upper
142	100		
127	49.5	20.7	62.1
141	14.3	7.4	22.3

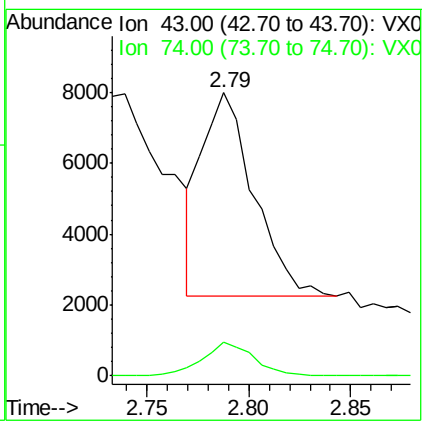


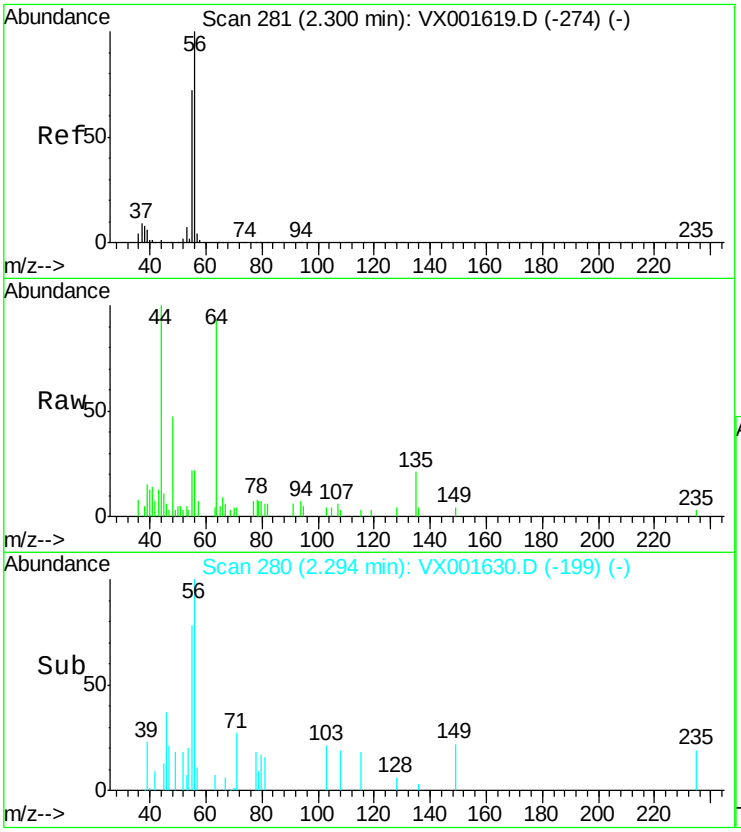


#12
Methyl Acetate
Concen: 2.40 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion: 43 Resp: 10107

Ion	Ratio	Lower	Upper
43	100		
74	19.5	18.0	27.0



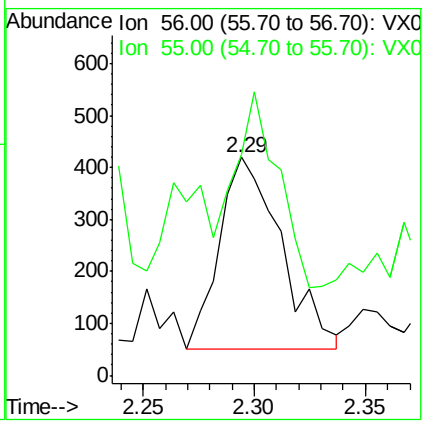


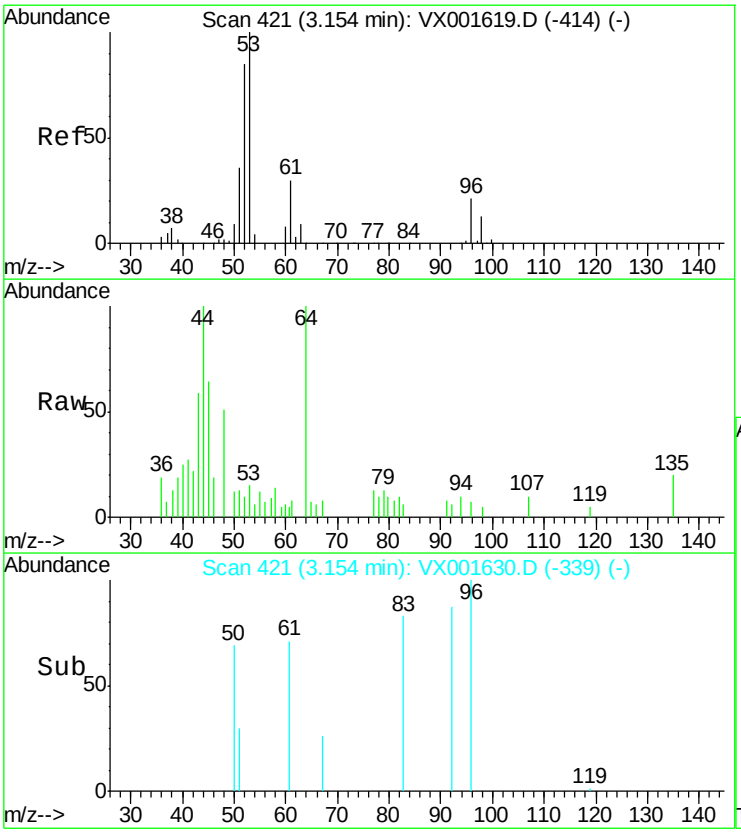
#13
Acrolein
Concen: 1.49 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion: 56 Resp: 713

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.9	85.3

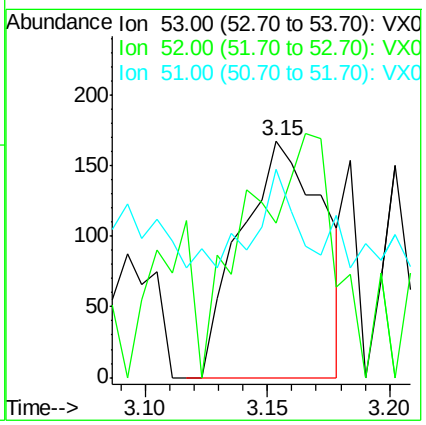


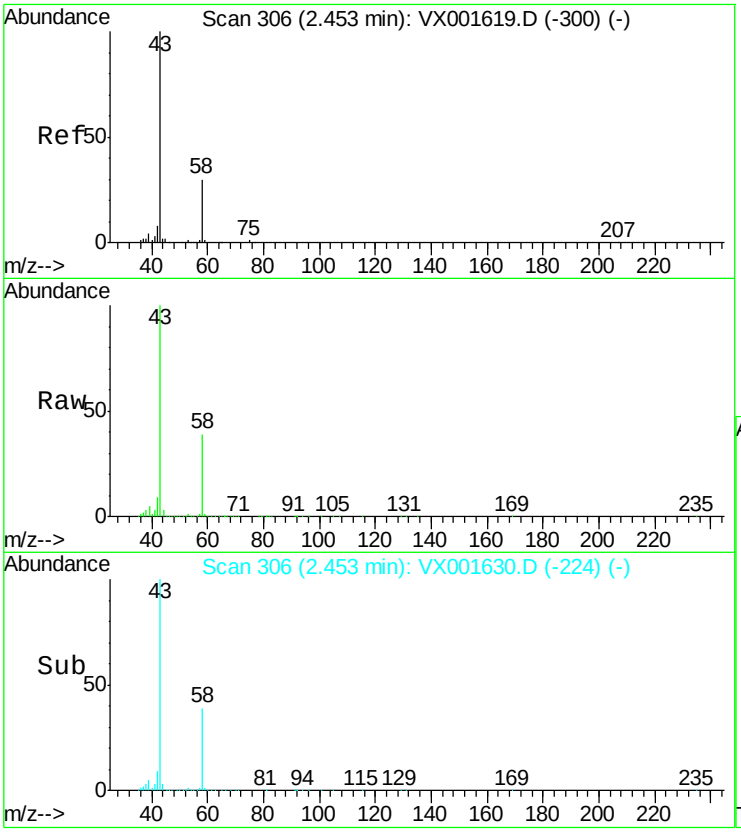


#14
Acrylonitrile
Concen: 0.23 ug/l
RT: 3.15 min Scan# 421
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion: 53 Resp: 392

Ion	Ratio	Lower	Upper
53	100		
52	49.0	41.3	123.9
51	12.5	18.1	54.3#



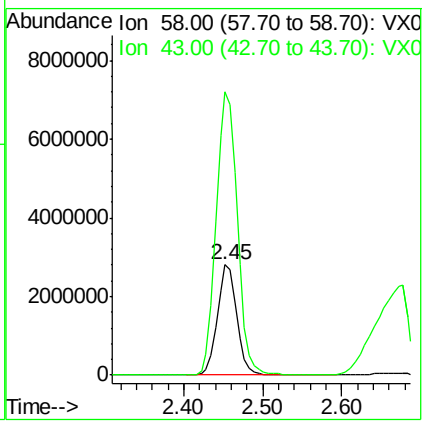


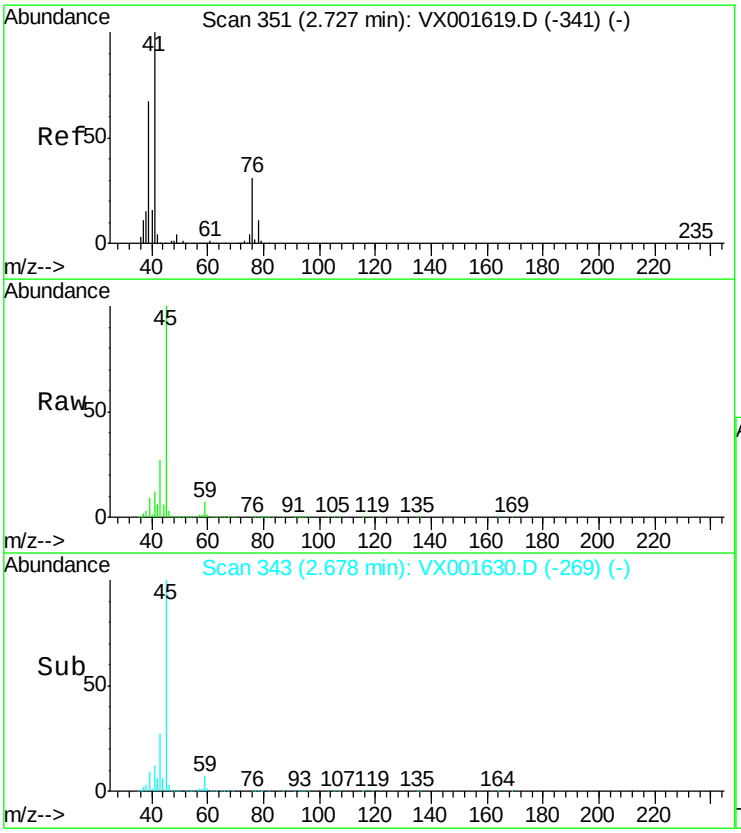
#15
Acetone
Concen: 10622.84 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion: 58 Resp: 4805082

Ion	Ratio	Lower	Upper
58	100		
43	257.4	264.2	396.2#

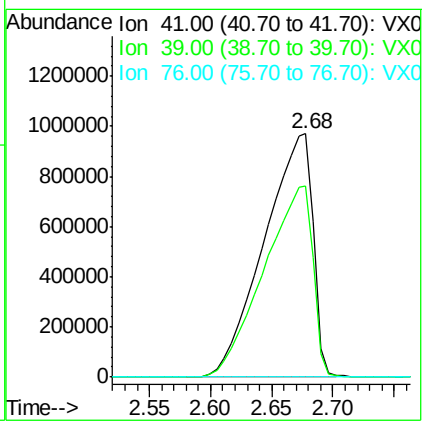


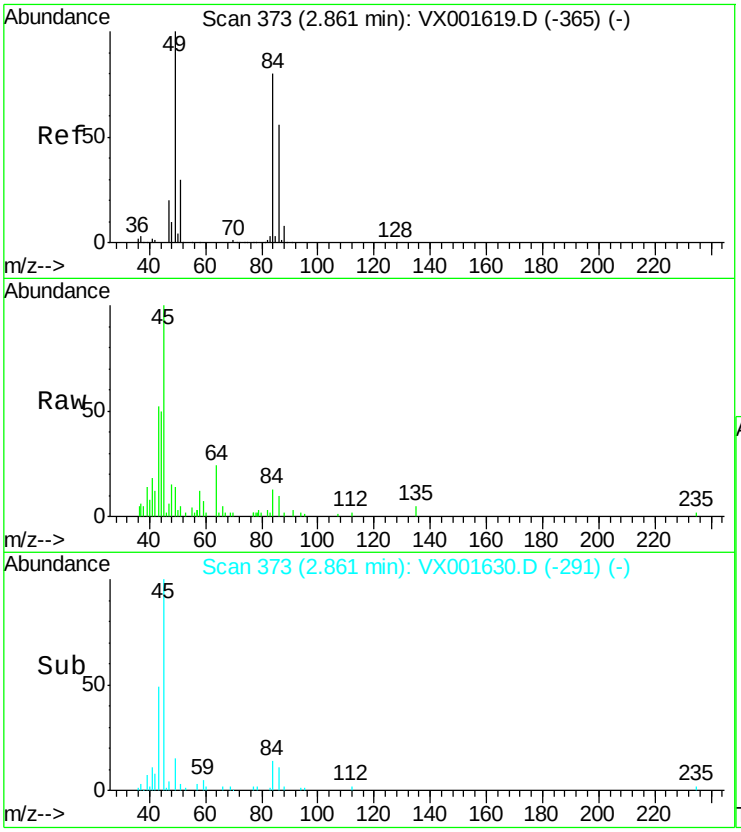


#17
Allyl chloride
Concen: 571.87 ug/l
RT: 2.68 min Scan# 343
Delta R.T. -0.05 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion: 41 Resp: 2704160

Ion	Ratio	Lower	Upper
41	100		
39	78.5	33.7	101.1
76	0.0	15.4	46.4#



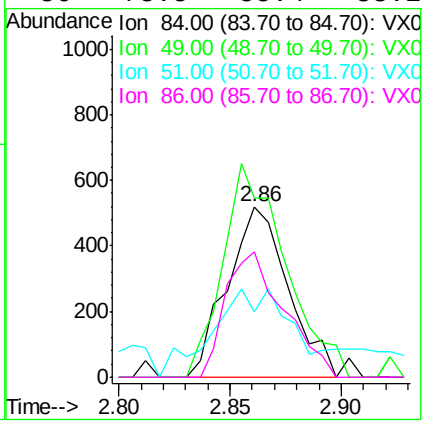


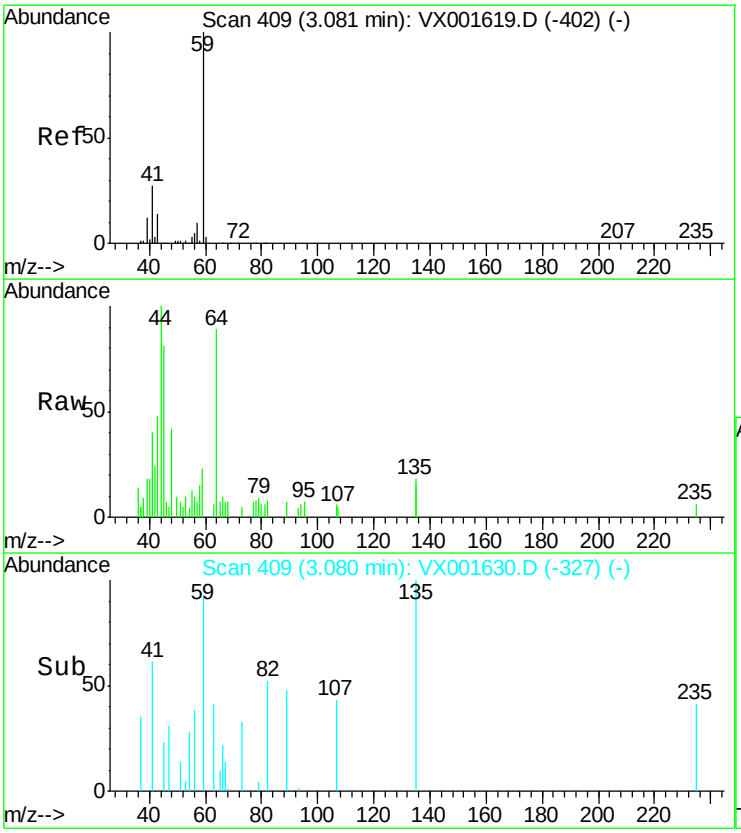
#18
Methylene Chloride
Concen: 0.34 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion: 84 Resp: 986

Ion	Ratio	Lower	Upper
84	100		
49	105.2	99.5	149.3
51	25.8	30.1	45.1#
86	73.5	55.4	83.2

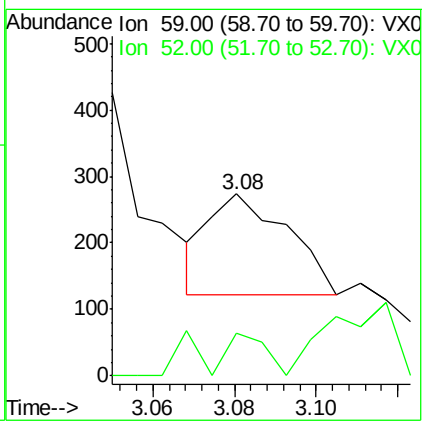


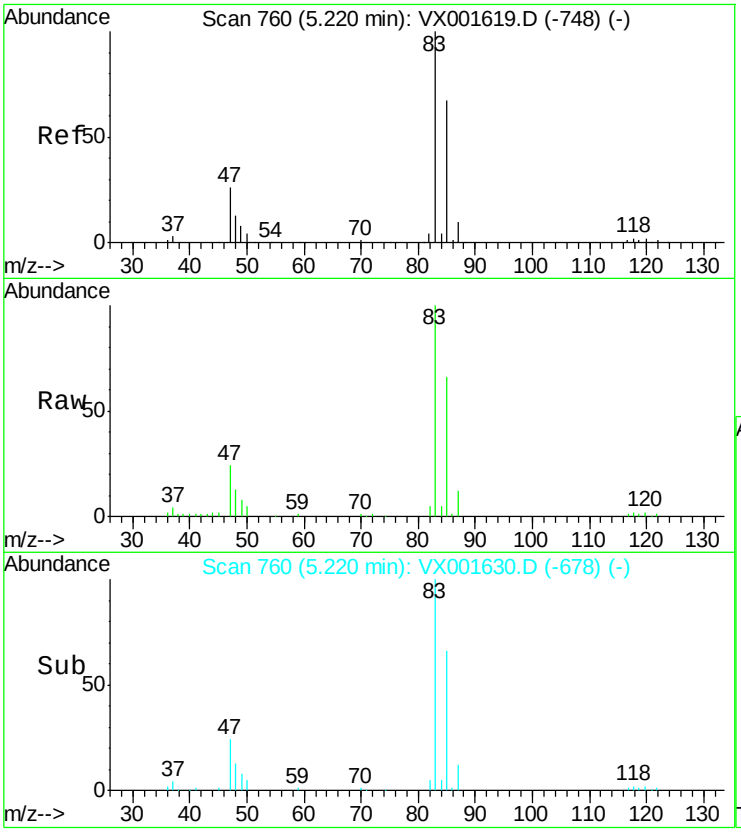


#23
tert-Butyl Alcohol
Concen: 0.27 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion: 59 Resp: 203

Ion	Ratio	Lower	Upper
59	100		
52	20.7	0.2	0.2#



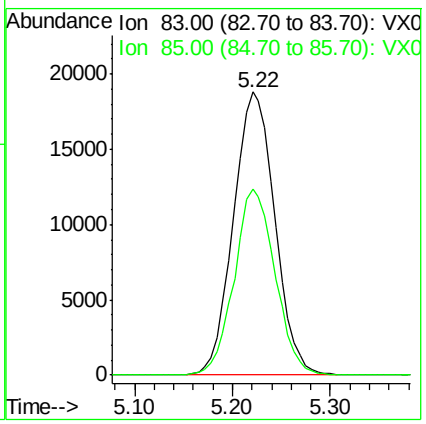


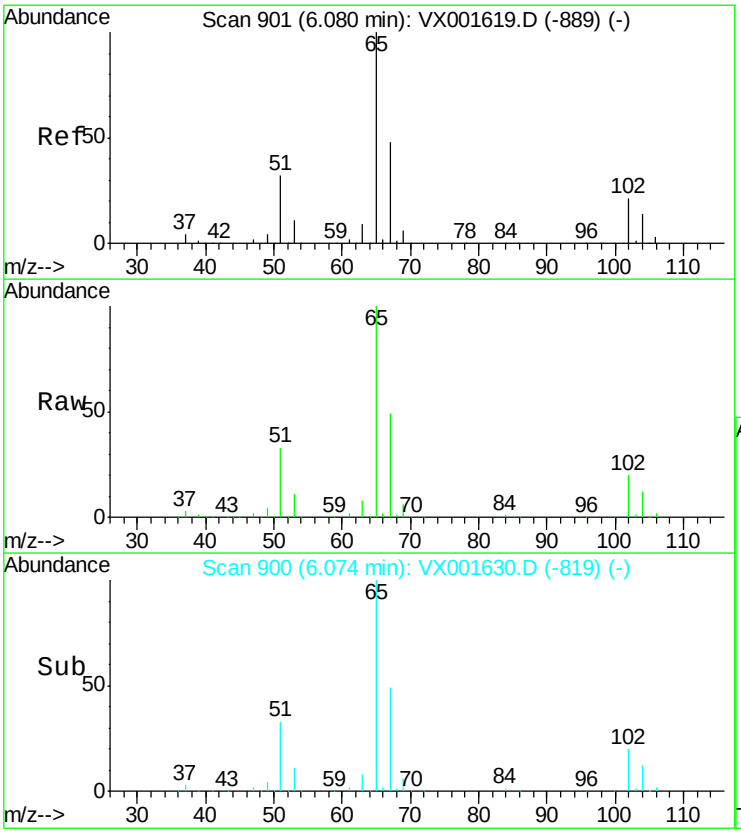
#25
Chloroform
Concen: 10.57 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion: 83 Resp: 55313

Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.9	80.9

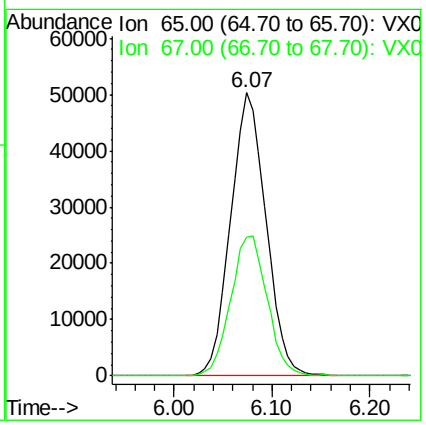


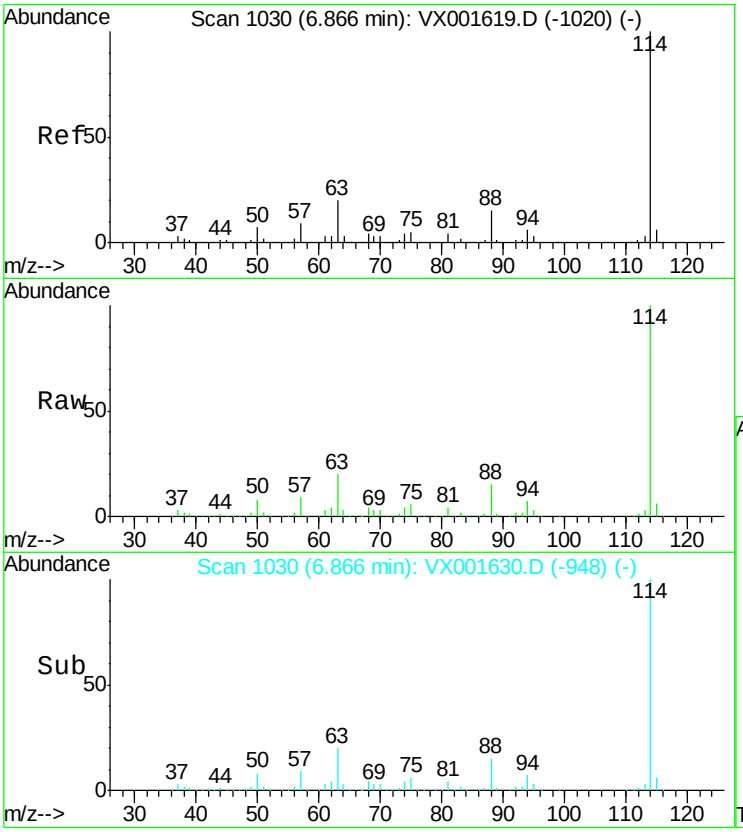


#27
1,2-Dichloroethane-d4
Concen: 32.36 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion: 65 Resp: 126460

Ion	Ratio	Lower	Upper
65	100		
67	50.9	40.2	60.2



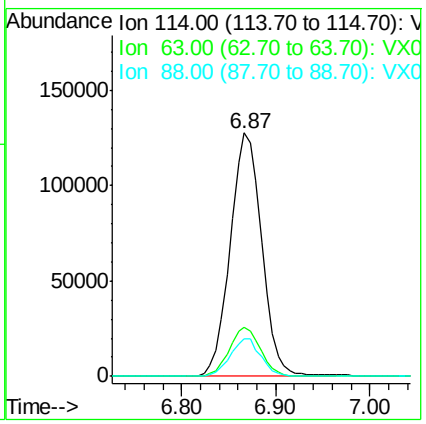


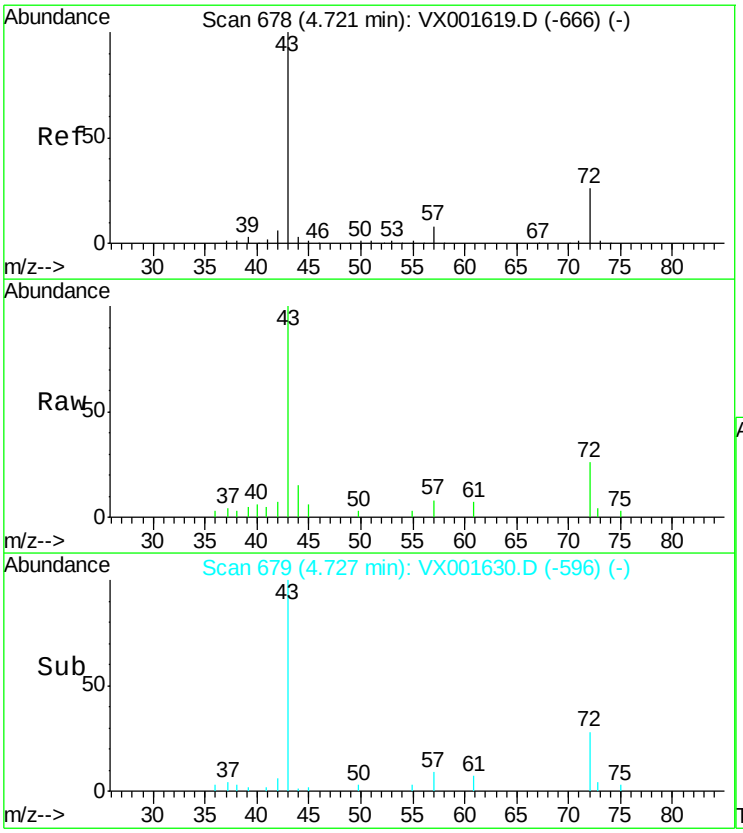
#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion:114 Resp: 298922

Ion	Ratio	Lower	Upper
114	100		
63	19.9	15.5	23.3
88	15.0	12.2	18.4

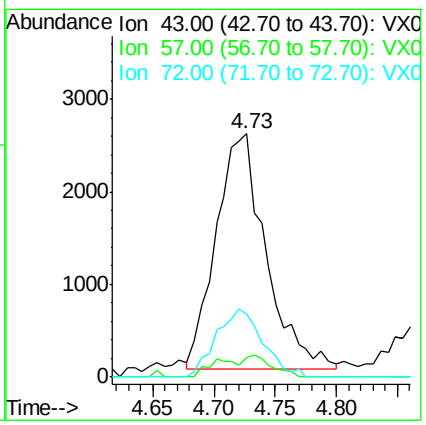


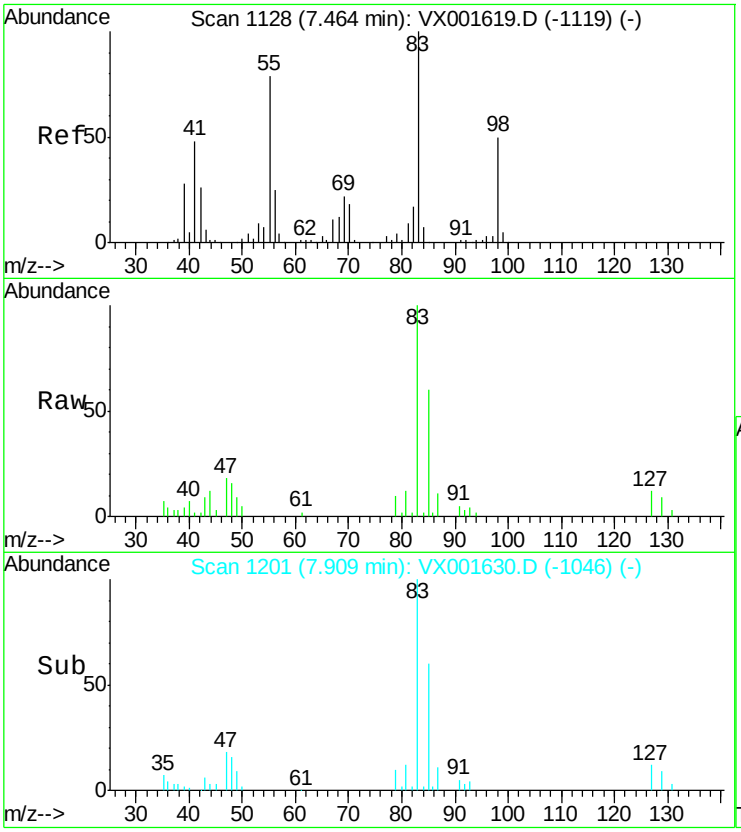


#30
2-Butanone
Concen: 2.90 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion: 43 Resp: 7174

Ion	Ratio	Lower	Upper
43	100		
57	5.1	6.3	9.5#
72	26.7	20.2	30.4



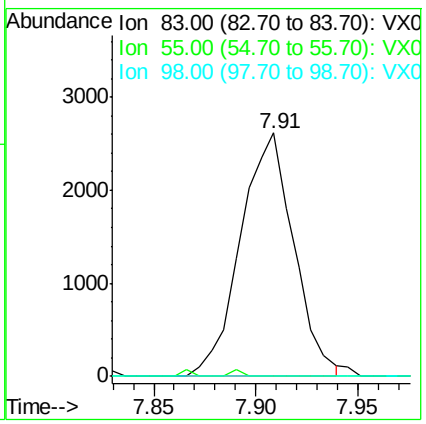


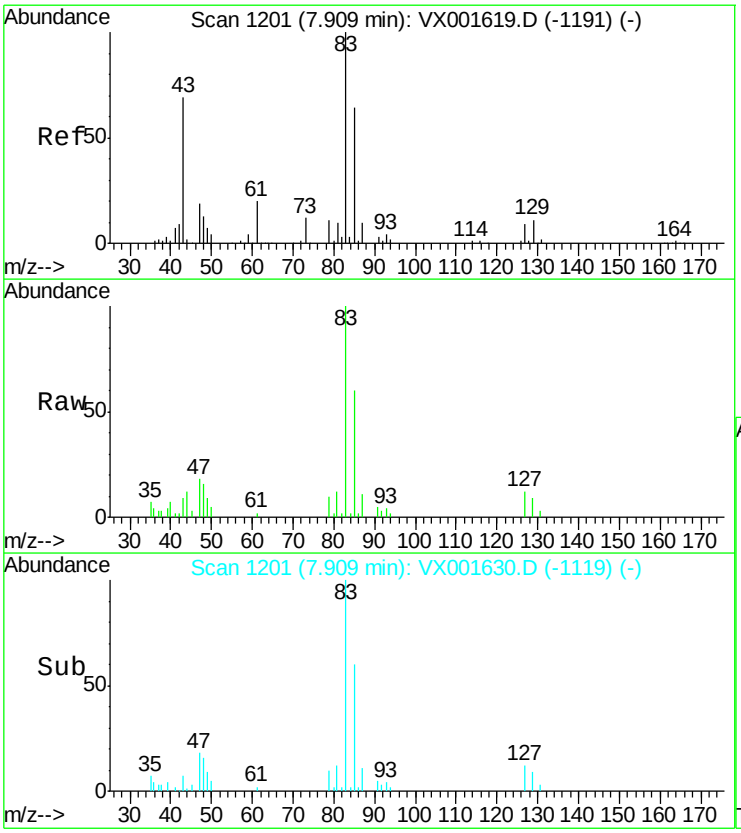
#38
Methylcyclohexane
Concen: 1.18 ug/l
RT: 7.91 min Scan# 1201
Delta R.T. 0.44 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion: 83 Resp: 4744

Ion	Ratio	Lower	Upper
83	100		
55	0.5	39.6	118.7#
98	0.0	25.0	75.0#

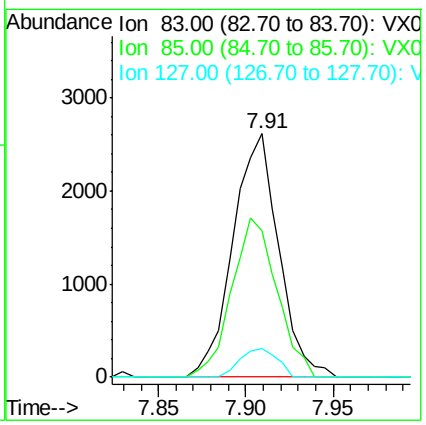


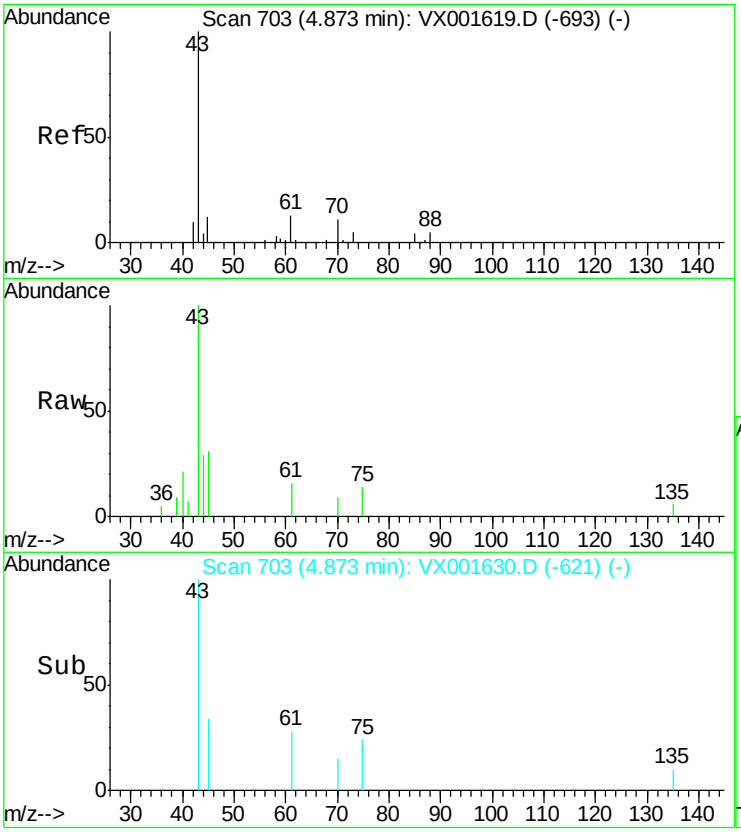


#41
Bromodichloromethane
Concen: 1.18 ug/l
RT: 7.91 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion: 83 Resp: 4782

Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.3	76.9
127	11.7	7.5	11.3#



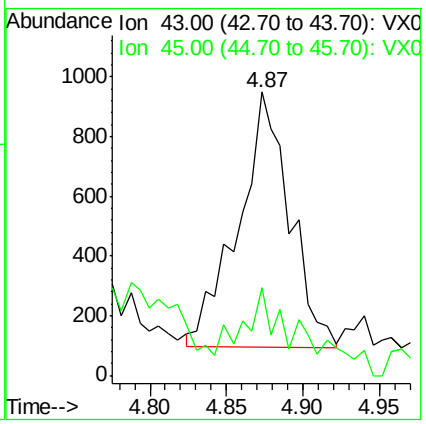


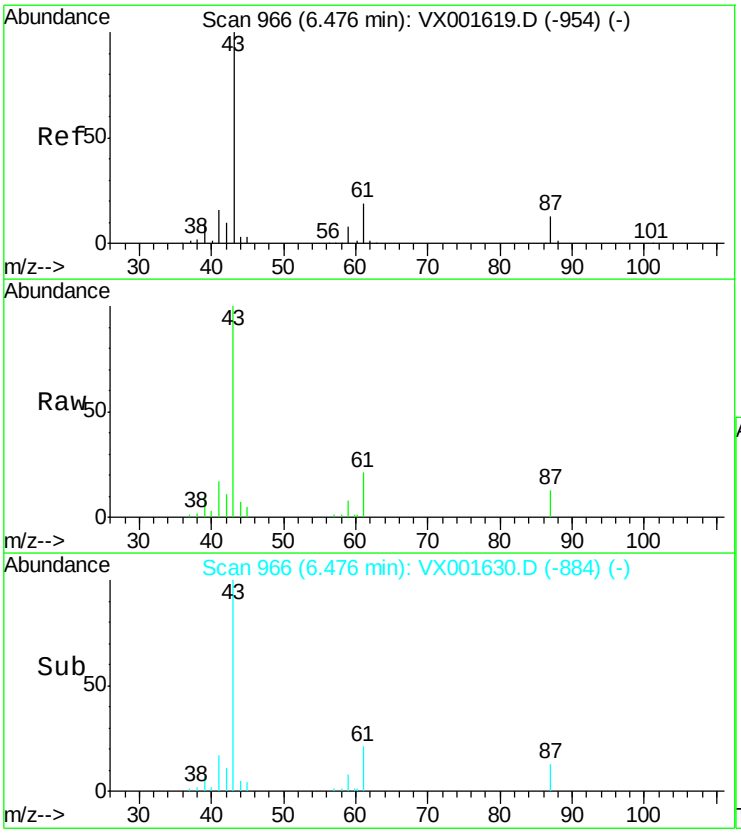
#43
Ethyl Acetate
Concen: 0.42 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion: 43 Resp: 1999

Ion	Ratio	Lower	Upper
43	100		
45	16.0	12.7	19.1

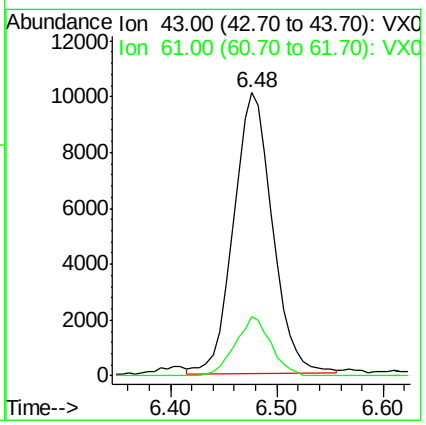


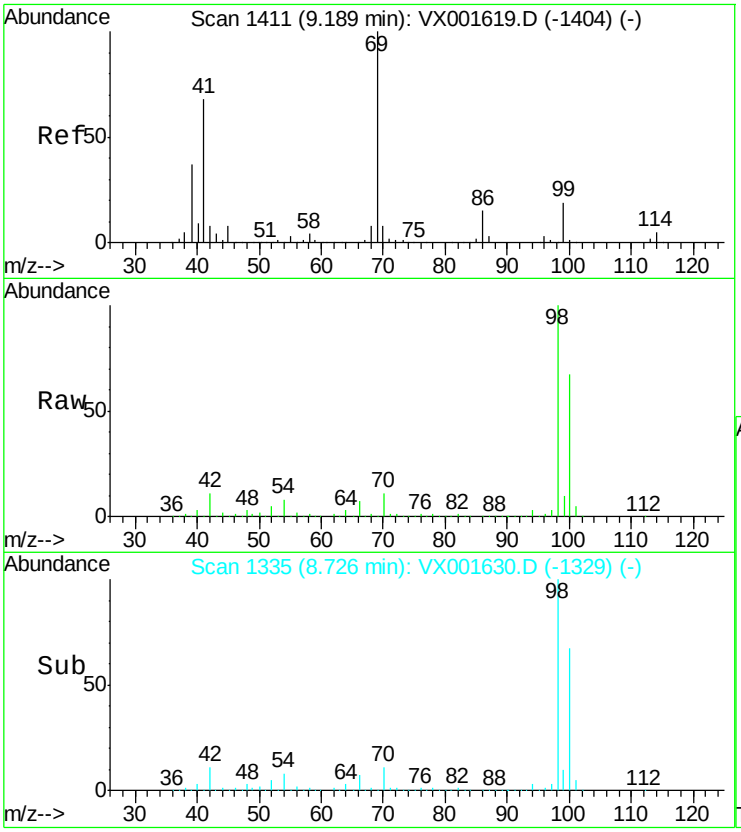


#44
Isopropyl Acetate
Concen: 3.56 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion: 43 Resp: 25771

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.1	22.7



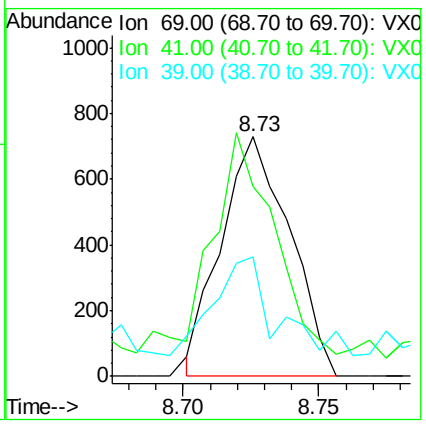


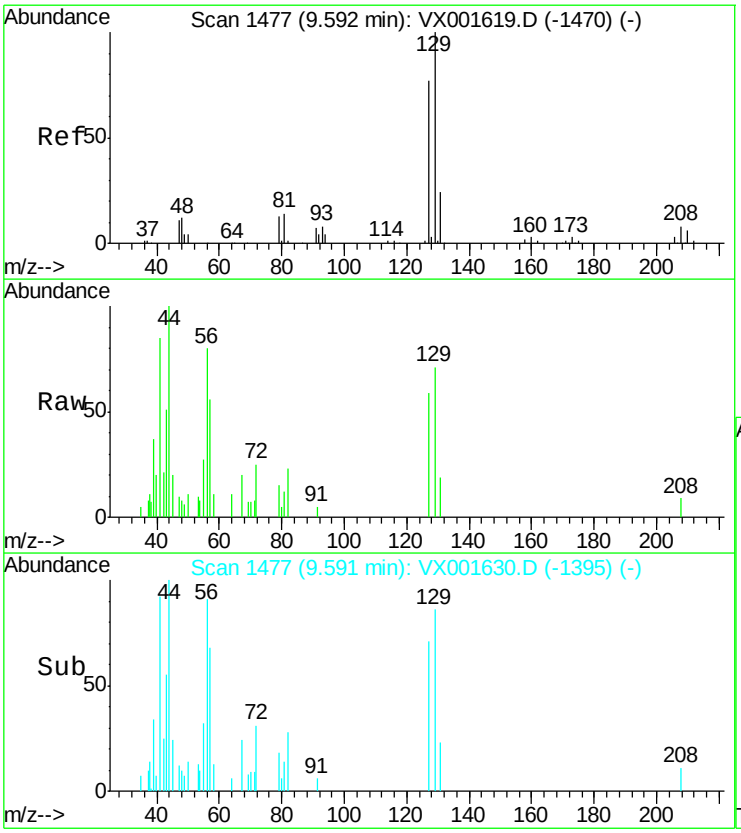
#51
Ethyl methacrylate
Concen: 0.28 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.46 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion: 69 Resp: 1275

Ion	Ratio	Lower	Upper
69	100		
41	69.7	33.9	101.6
39	32.9	18.4	55.2

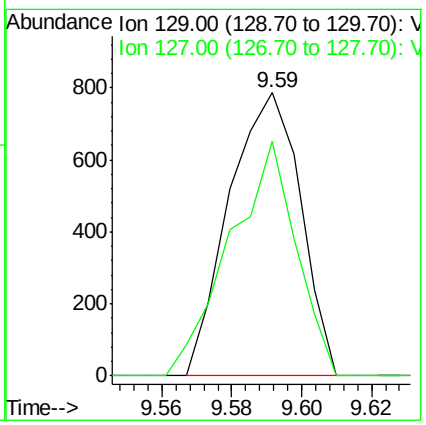


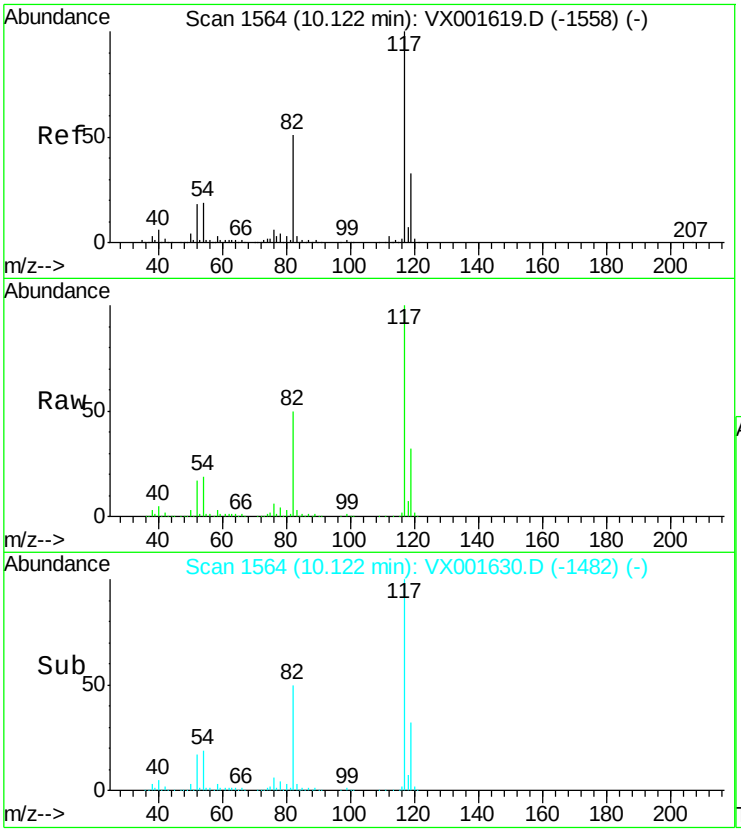


#53
Dibromochloromethane
Concen: 0.34 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion:129 Resp: 1115

Ion	Ratio	Lower	Upper
129	100		
127	76.9	37.9	113.7



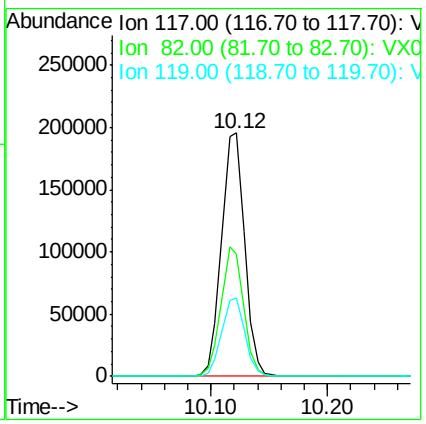


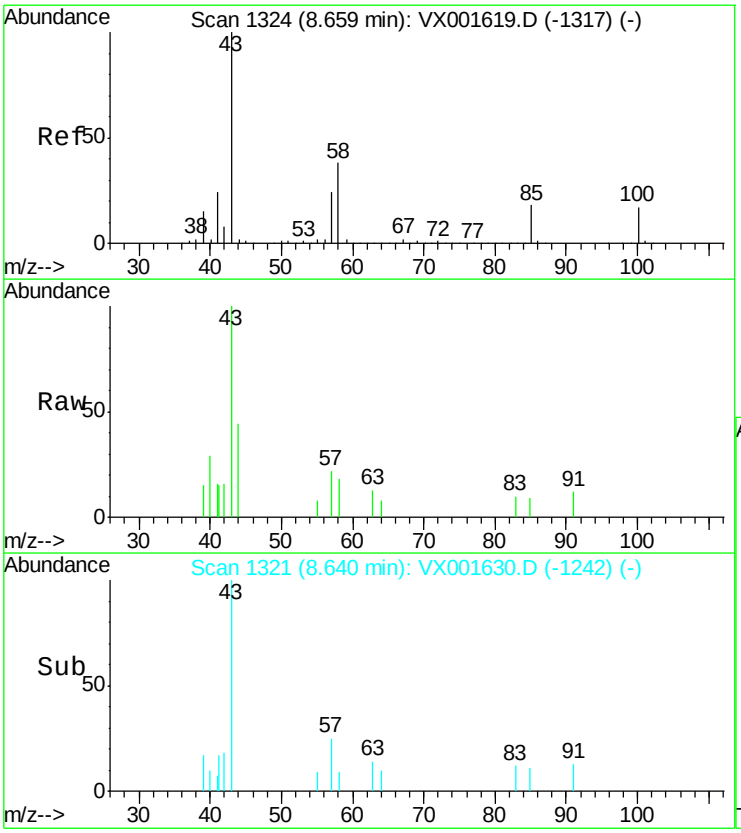
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion:117 Resp: 269558

Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.2	63.2
119	32.2	26.3	39.5

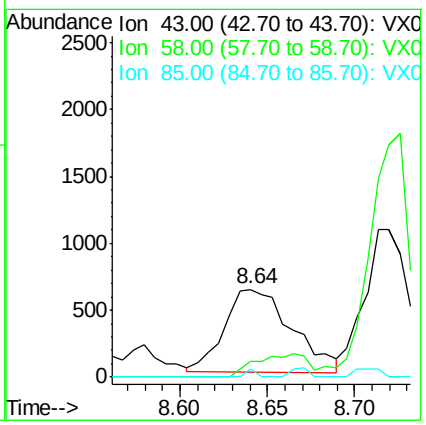


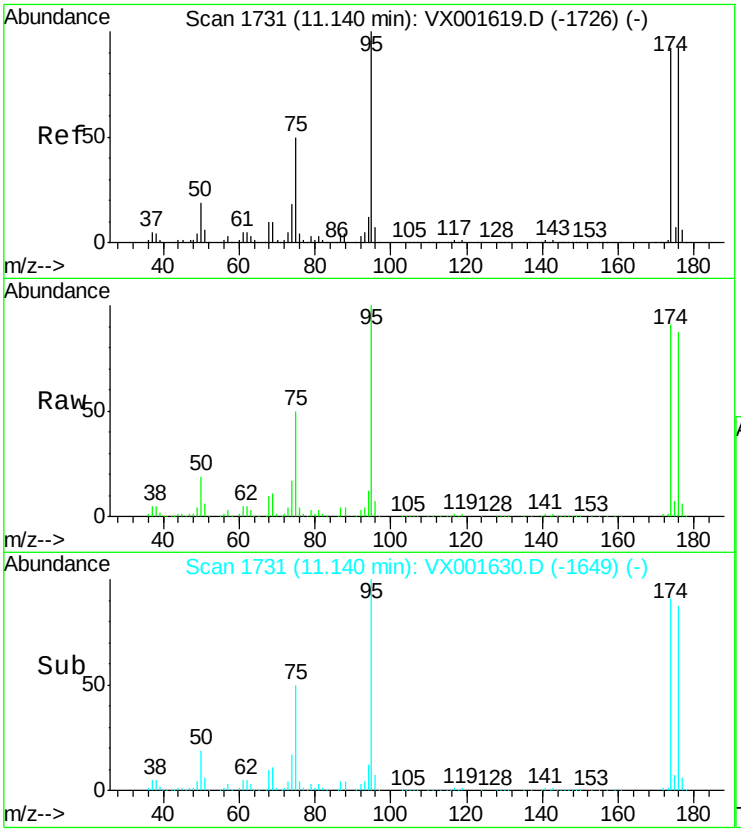


#58
4-Methyl-2-Pentanone
Concen: 0.35 ug/l
RT: 8.64 min Scan# 1321
Delta R.T. -0.02 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion: 43 Resp: 1682

Ion	Ratio	Lower	Upper
43	100		
58	21.3	30.4	45.6#
85	2.8	14.3	21.5#



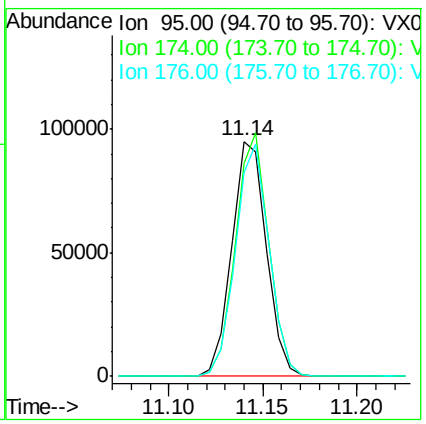


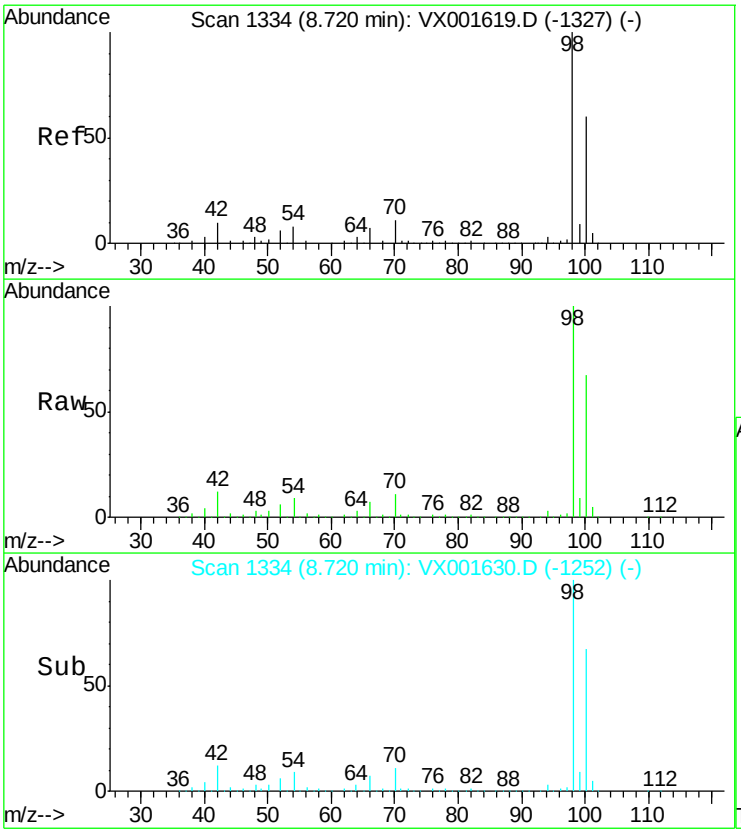
#60
4-Bromofluorobenzene
Concen: 28.37 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion: 95 Resp: 121004

Ion	Ratio	Lower	Upper
95	100		
174	99.7	80.2	120.2
176	95.7	79.2	118.8

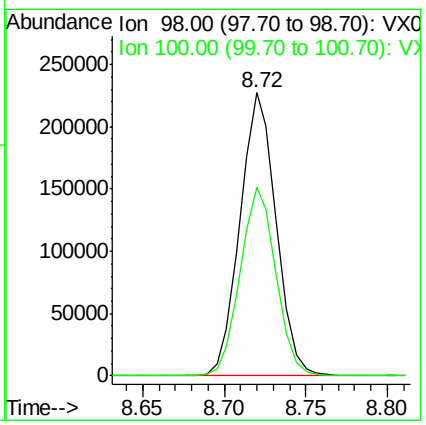


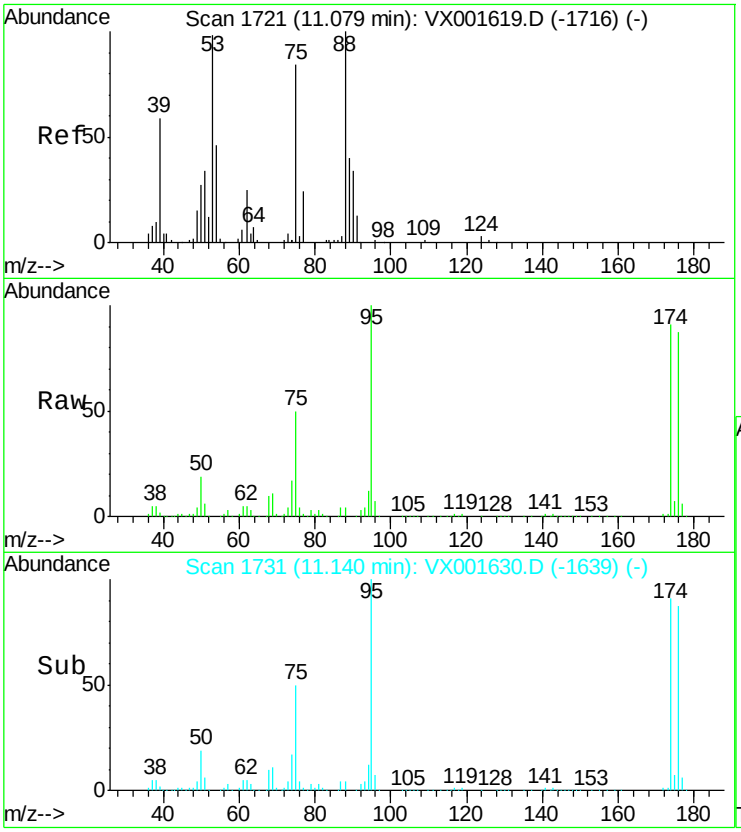


#63
Toluene-d8
Concen: 29.08 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion: 98 Resp: 349539

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.2	78.2



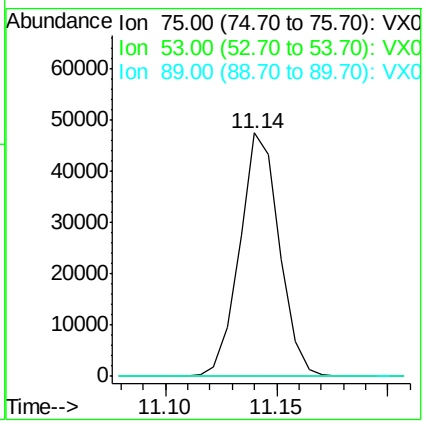


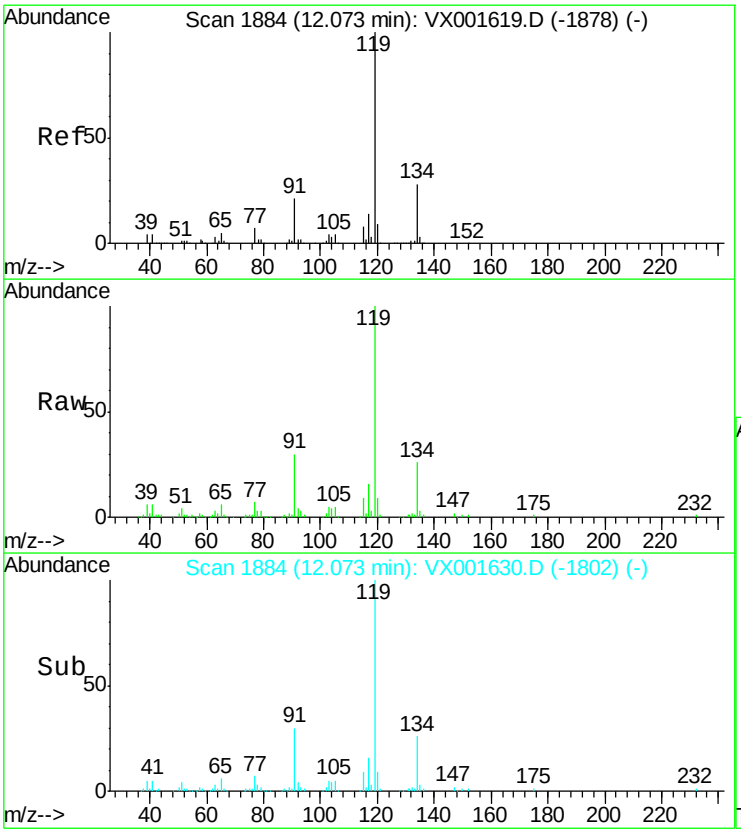
#77
t-1,4-Dichloro-2-butene
Concen: 51.67 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion: 75 Resp: 59150

Ion	Ratio	Lower	Upper
75	100		
53	0.0	58.3	174.8#
89	0.0	23.9	71.8#

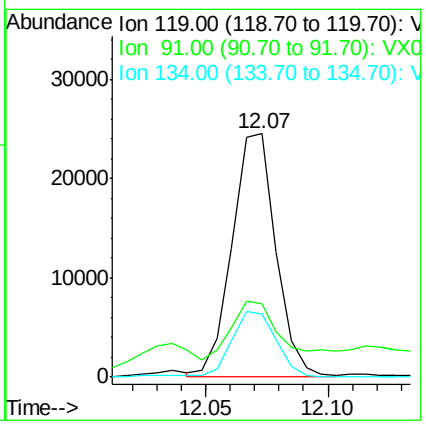


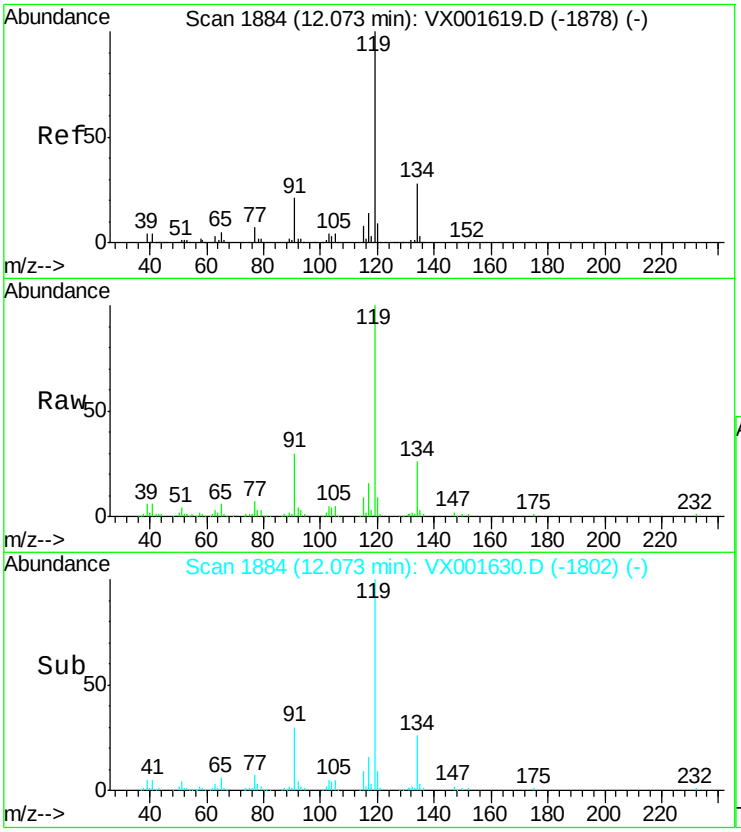


#79
tert-butylbenzene
Concen: 2.49 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Tgt Ion:119 Resp: 30416

Ion	Ratio	Lower	Upper
119	100		
91	32.7	0.0	44.0
134	27.4	0.0	53.8





#82
p-Isopropyltoluene
Concen: 2.49 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX001630.D
Acq: 11 May 2018 04:48

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTFALL-002

Tgt Ion:119 Resp: 30416

Ion	Ratio	Lower	Upper
119	100		
134	27.4	0.0	53.8
91	32.7	0.0	44.0