Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051719\
Data File : VX009657.D
Acq On : 17 May 2019 12:32
Operator : JC/SP
Sample : K2829-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EFF-WASTE-WATER

Quant Time: May 18 03:55:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	24947	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.86	114	146850	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	122665	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	66536	32.15	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 107.17%			
60) 4-Bromofluorobenzene	11.14	95	58252	27.95	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 93.17%			
63) Toluene-d8	8.71	98	176282	30.31	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 101.03%			
Target Compounds						Qvalue
3) Chloromethane	1.32	50	517	0.290	ug/l	89
12) Methyl Acetate	2.88	43	56587091	22017.350	ug/l #	56
13) Acrolein	2.29	56	12362	35.069	ug/l	97
15) Acetone	2.45	58	2875302	8978.498	ug/l	93
17) Allyl chloride	2.88	41	25435825	7764.574	ug/l #	67
18) Methylene Chloride	2.86	84	617	0.374	ug/l	88
20) Diisopropyl ether	3.87	45	580681	90.013	ug/l #	80
23) tert-Butyl Alcohol	3.05	59	519	1.100	ug/l #	93
25) Chloroform	5.23	83	32897	11.547	ug/l	99
30) 2-Butanone	4.70	43	109582	64.937	ug/l	99
41) Bromodichloromethane	7.90	83	4341	1.979	ug/l #	96
44) Isopropyl Acetate	6.46	43	51821	10.490	ug/l	98
51) Ethyl methacrylate	9.10	69	23028	7.575	ug/l	72
53) Dibromochloromethane	9.58	129	565	0.345	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	37677	12.492	ug/l #	88
59) 2-Hexanone	9.49	43	13077	5.528	ug/l #	97
77) t-1,4-Dichloro-2-butene	11.07	75	122712	136.726	ug/l #	10
81) sec-Butylbenzene	12.32	105	3694	0.539	ug/l	65
85) n-Butylbenzene	12.33	91	53482	9.368	ug/l	44
88) 1,2-Dibromo-3-Chloropropan	13.02	75	135	0.225	ug/l #	2

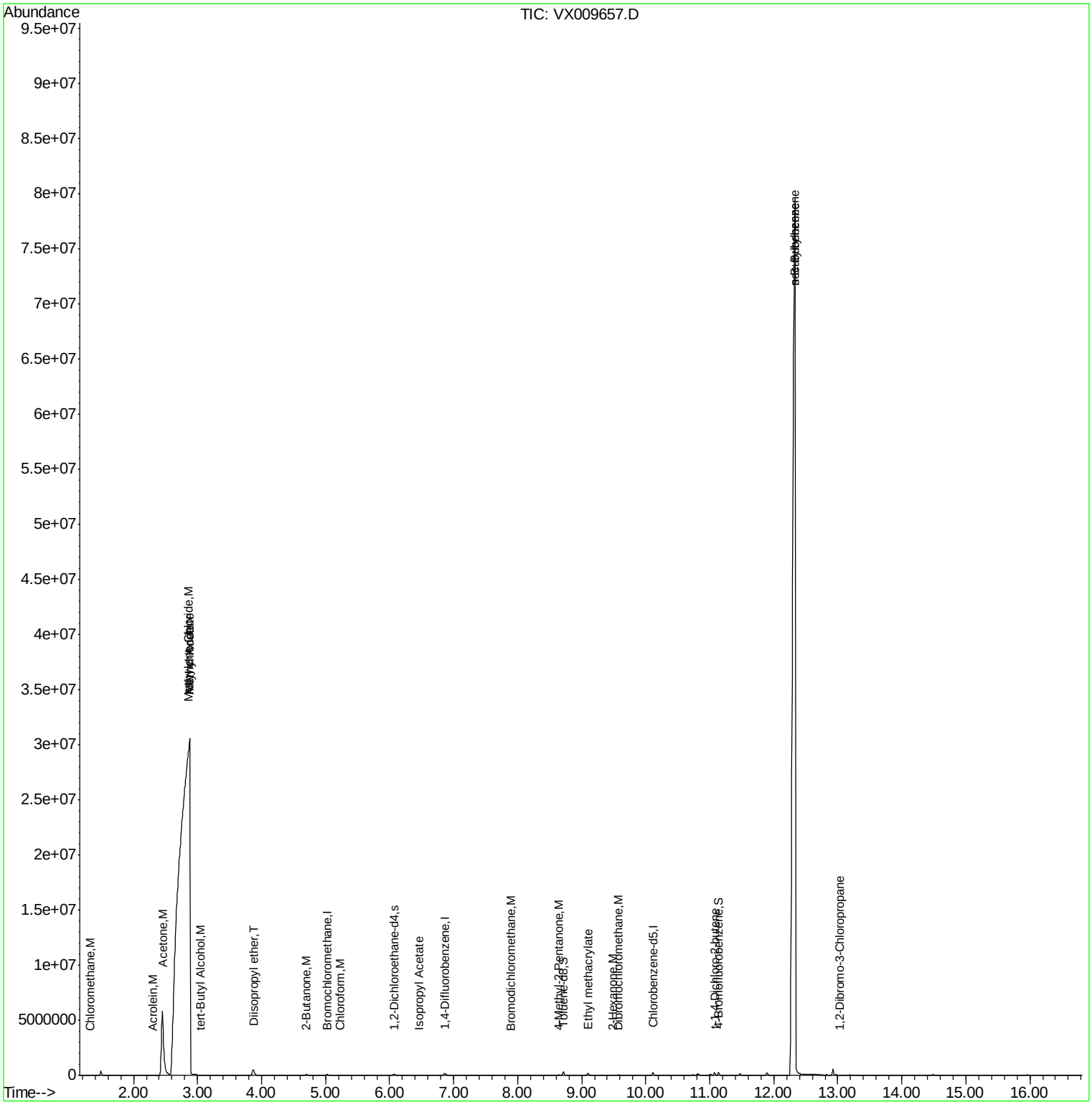
(#) = qualifier out of range (m) = manual integration (+) = signals summed

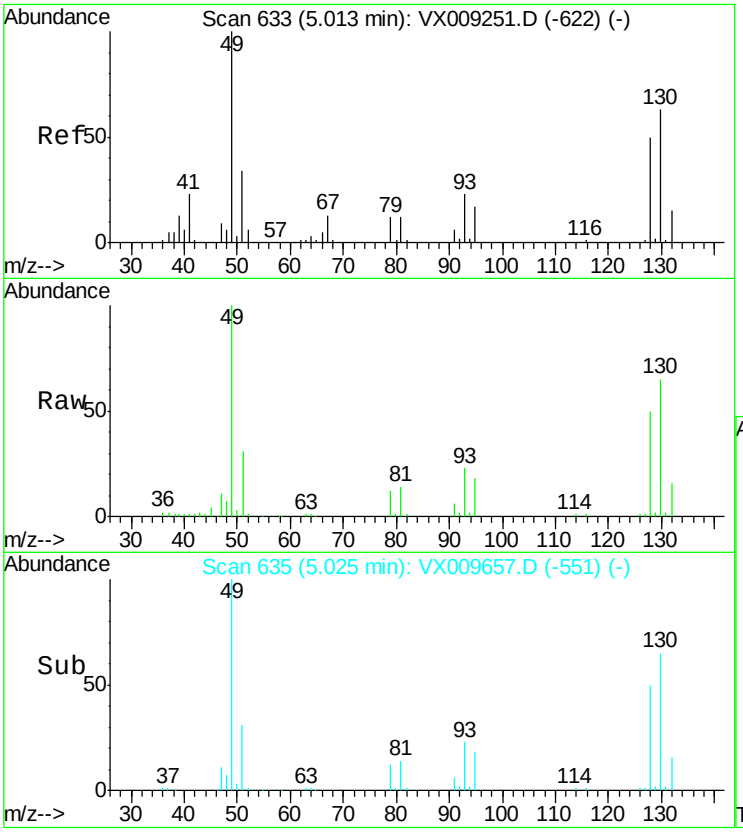
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051719\
Data File : VX009657.D
Acq On : 17 May 2019 12:32
Operator : JC/SP
Sample : K2829-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Quant Time: May 18 03:55:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration



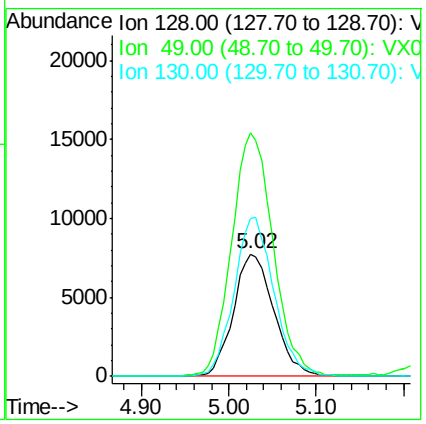


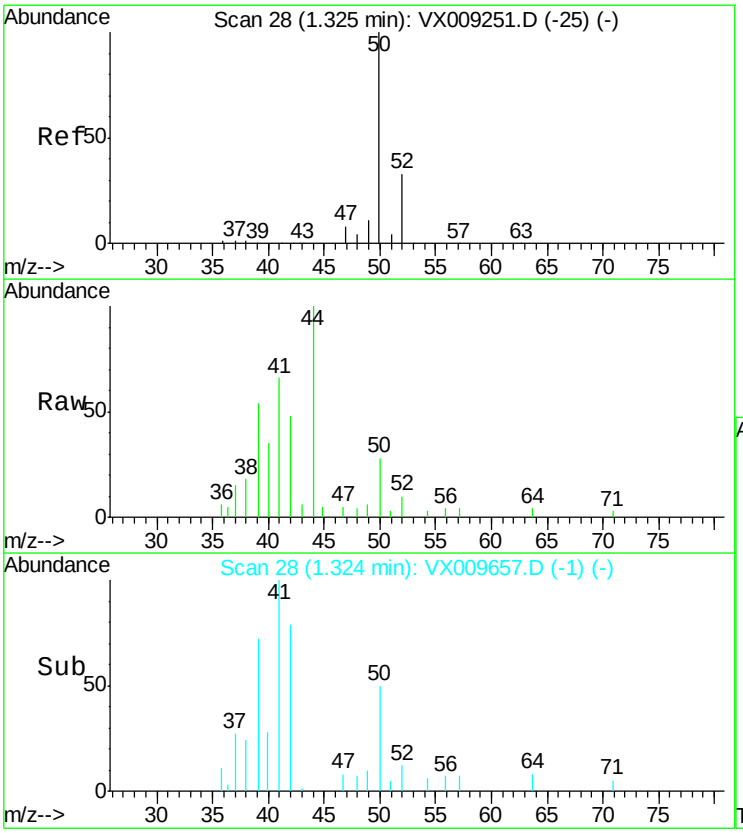
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion:128 Resp: 24947

Ion	Ratio	Lower	Upper
128	100		
49	203.6	0.0	515.0
130	127.9	0.0	323.3

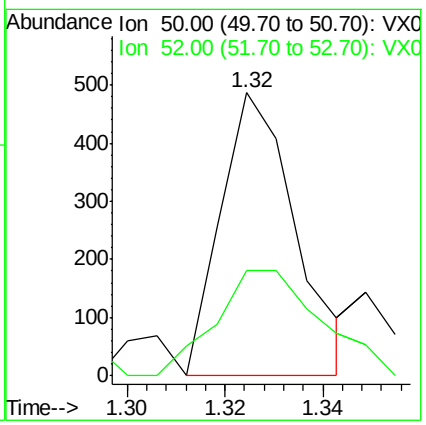


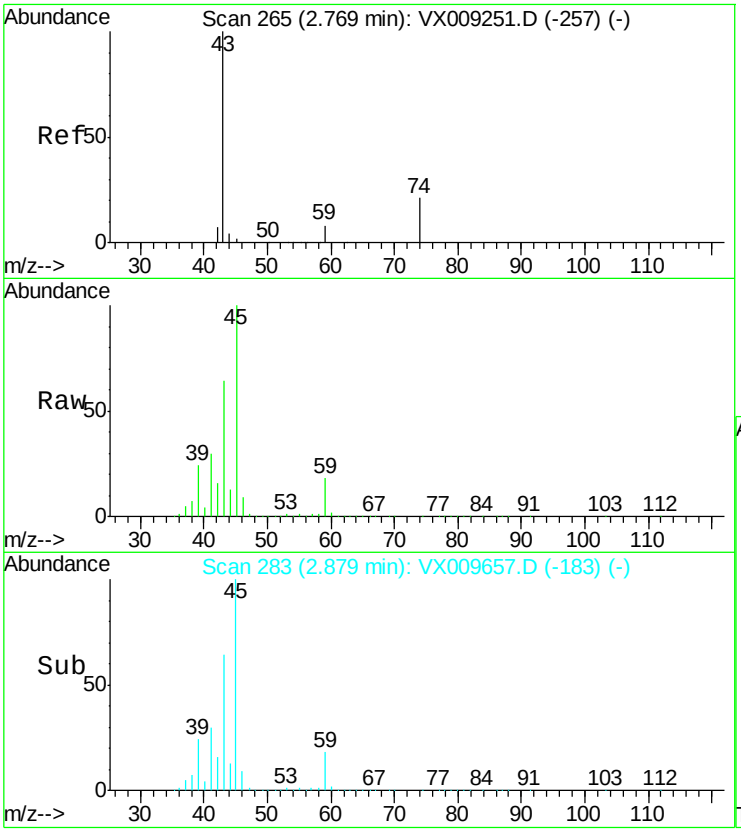


#3
Chloromethane
Concen: 0.290 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 50 Resp: 517

Ion	Ratio	Lower	Upper
50	100		
52	26.5	26.3	39.5



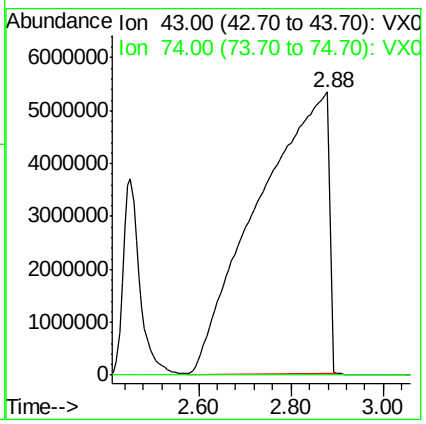


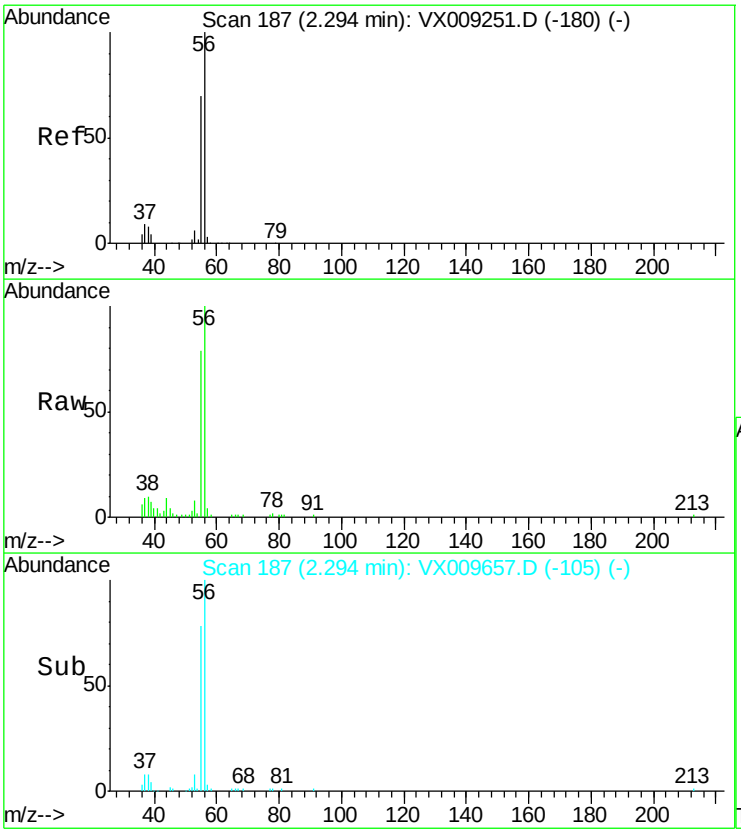
#12
Methyl Acetate
Concen: 22017.350 ug/l
RT: 2.88 min Scan# 283
Delta R.T. 0.11 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 43 Resp:56587091

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.5	24.7#

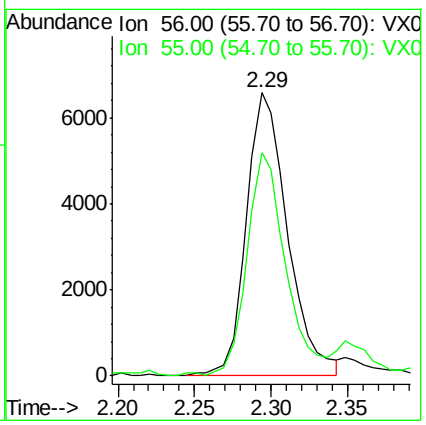


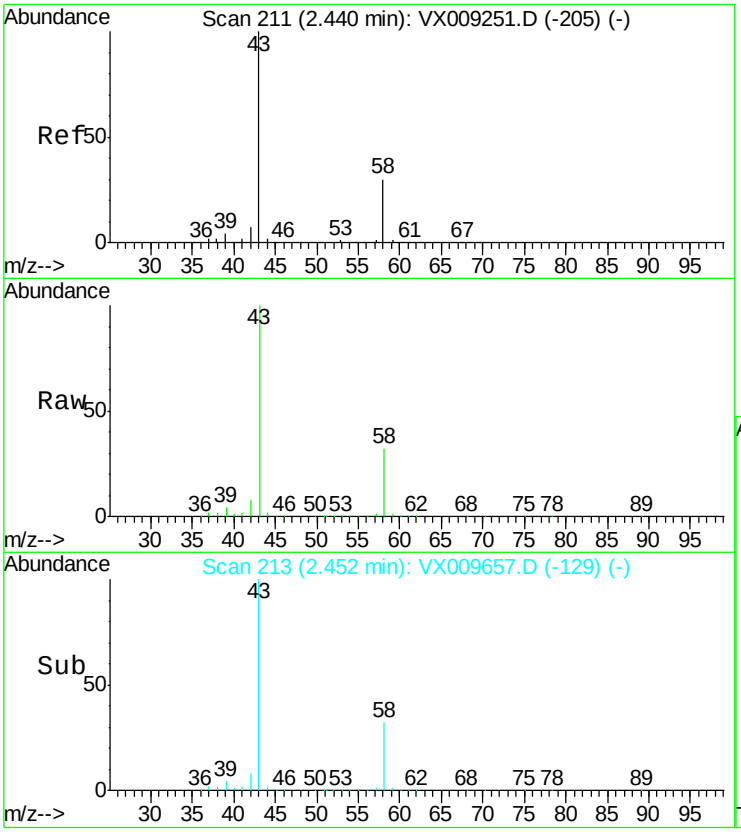


#13
Acrolein
Concen: 35.069 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 56 Resp: 12362

Ion	Ratio	Lower	Upper
56	100		
55	73.9	56.9	85.3



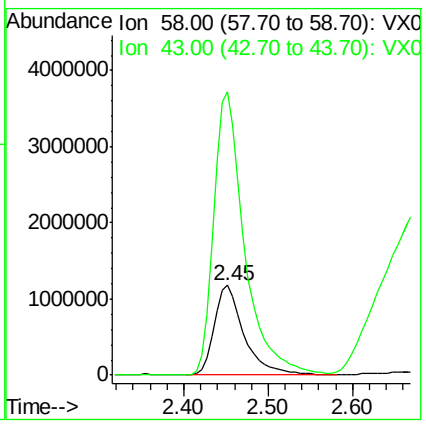


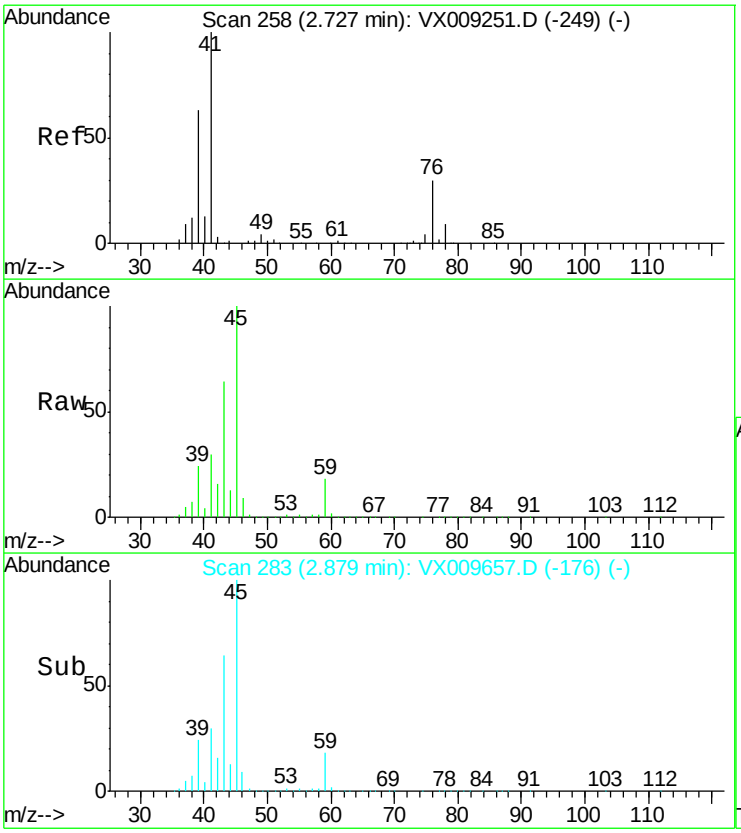
#15
Acetone
Concen: 8978.498 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 58 Resp: 2875302

Ion	Ratio	Lower	Upper
58	100		
43	315.4	264.0	396.0

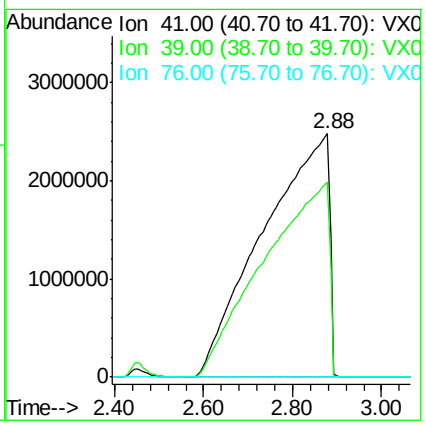


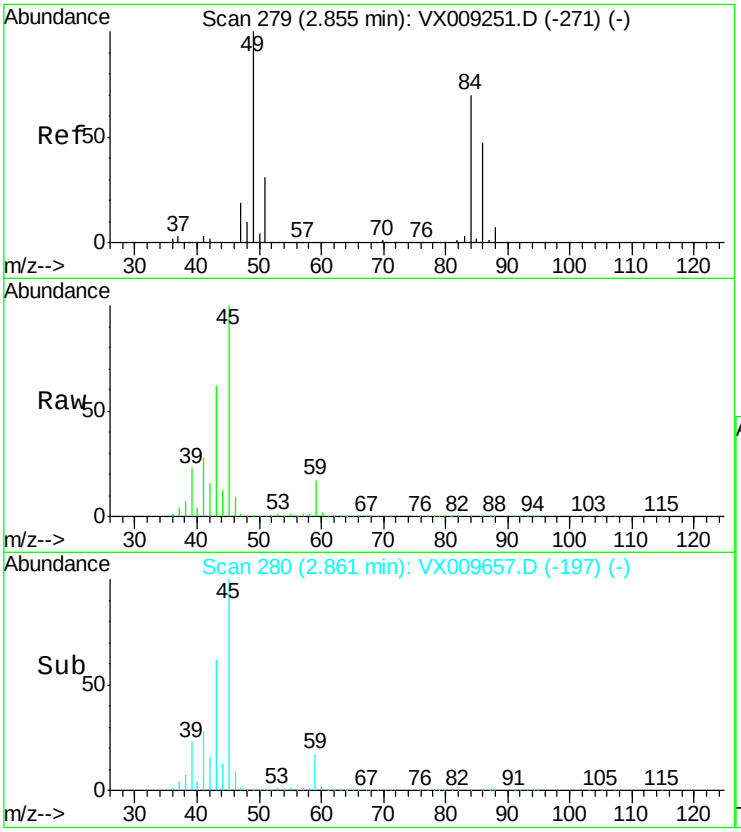


#17
Allyl chloride
Concen: 7764.574 ug/l
RT: 2.88 min Scan# 283
Delta R.T. 0.15 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 41 Resp:25435825

Ion	Ratio	Lower	Upper
41	100		
39	80.1	31.6	94.7
76	0.0	15.1	45.3#



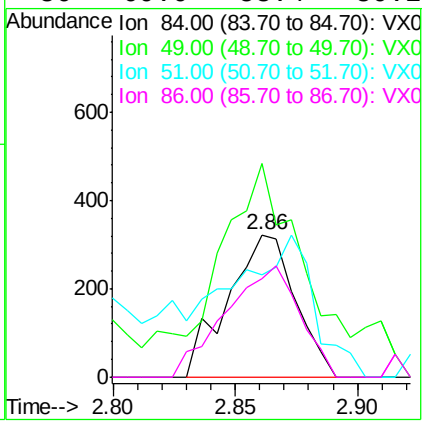


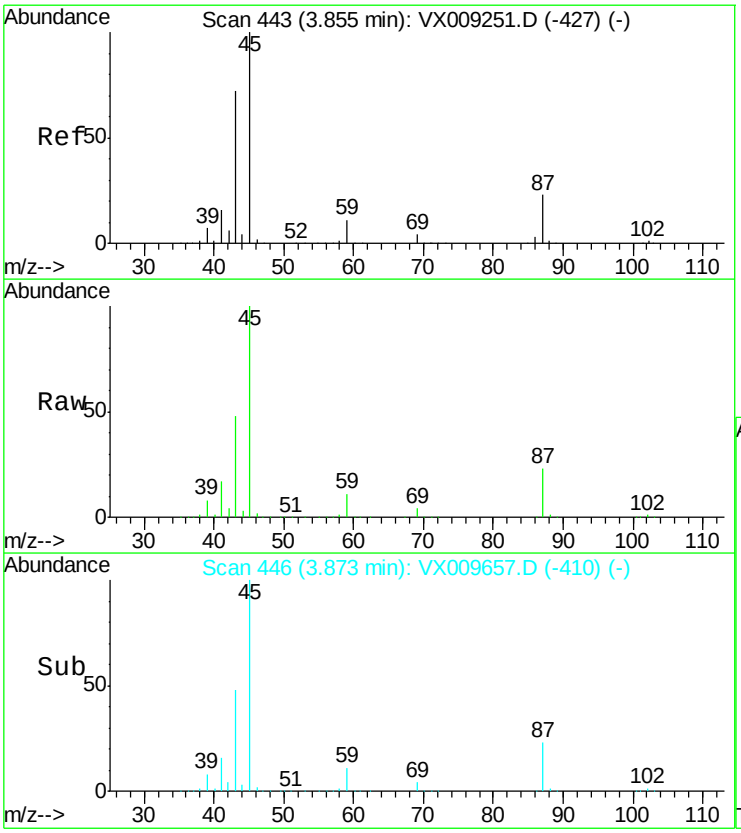
#18
Methylene Chloride
Concen: 0.374 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 84 Resp: 617

Ion	Ratio	Lower	Upper
84	100		
49	121.7	114.6	171.8
51	49.5	35.5	53.3
86	69.0	53.4	80.2

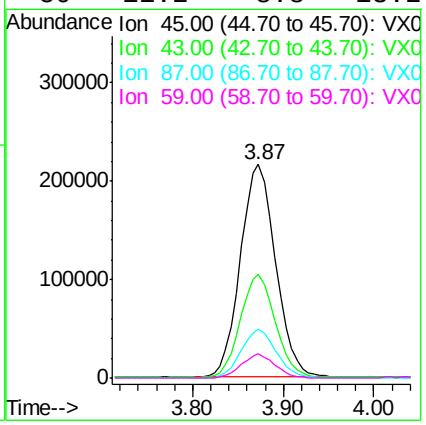


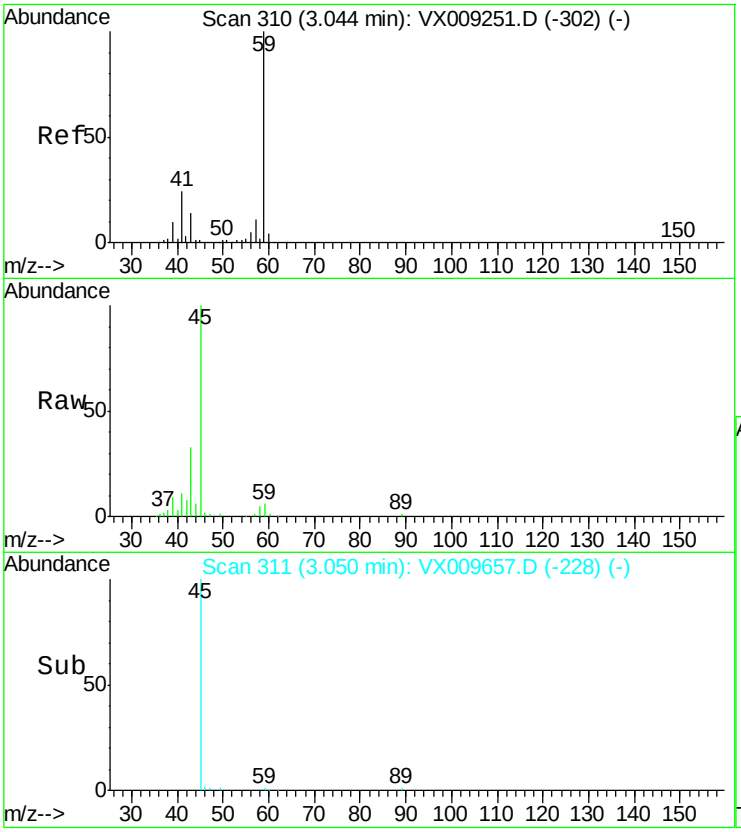


#20
Diisopropyl ether
Concen: 90.013 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.02 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 45 Resp: 580681

Ion	Ratio	Lower	Upper
45	100		
43	48.2	57.7	86.5#
87	22.9	18.5	27.7
59	11.2	8.8	13.2



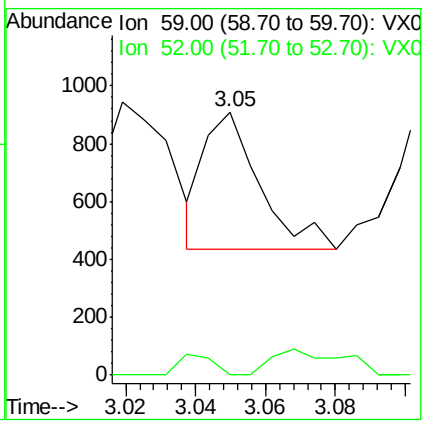


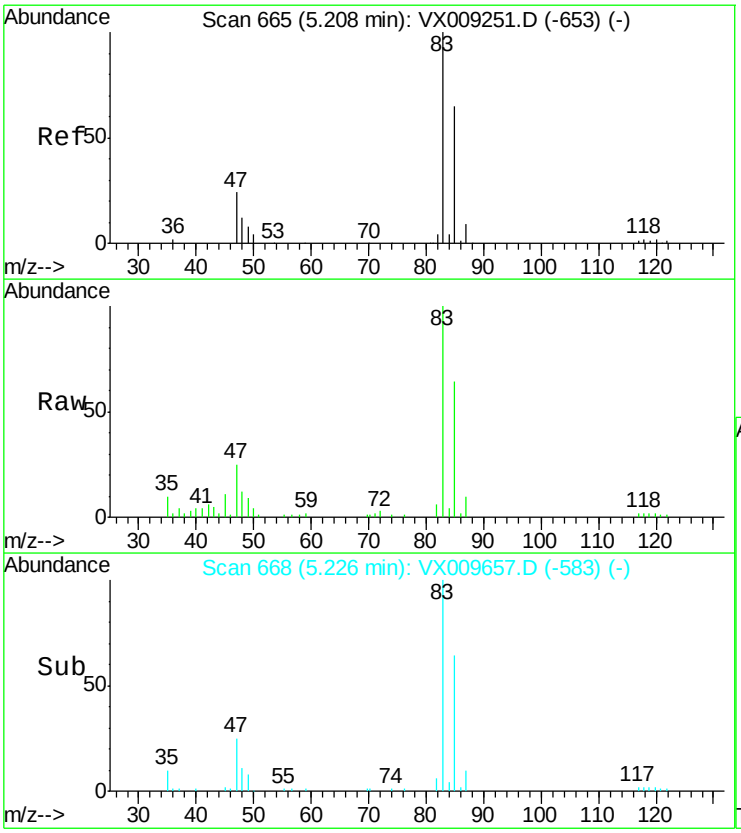
#23
tert-Butyl Alcohol
Concen: 1.100 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 59 Resp: 519

Ion	Ratio	Lower	Upper
59	100		
52	9.2	0.2	0.2#

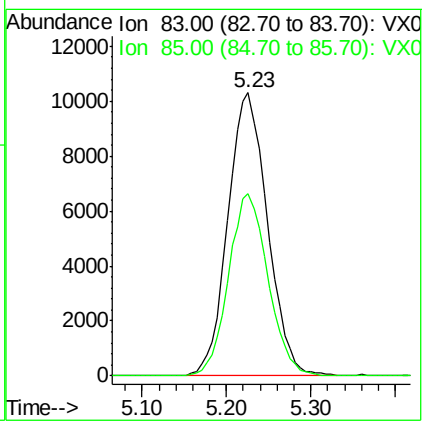


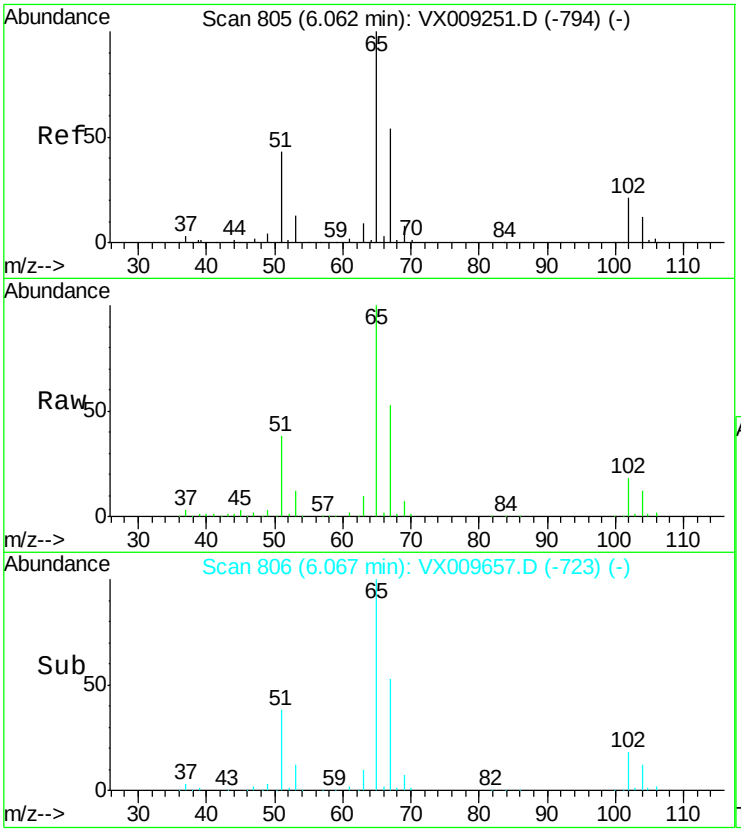


#25
Chloroform
Concen: 11.547 ug/l
RT: 5.23 min Scan# 668
Delta R.T. 0.02 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 83 Resp: 32897

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.9	77.9



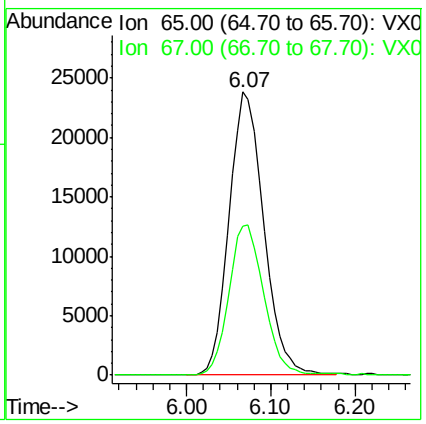


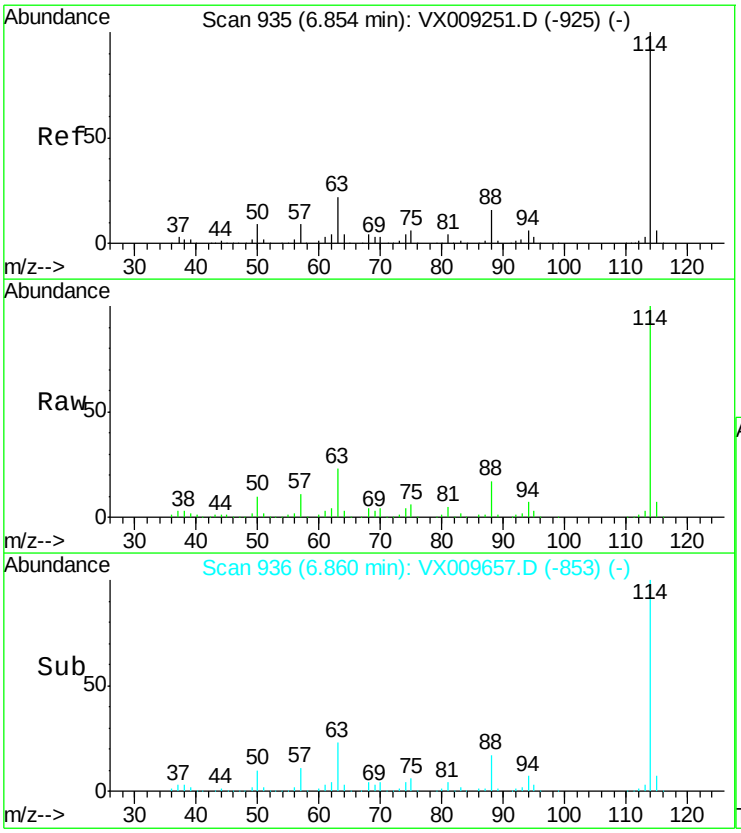
#27
1,2-Dichloroethane-d4
Concen: 32.151 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 65 Resp: 66536

Ion	Ratio	Lower	Upper
65	100		
67	52.9	43.1	64.7

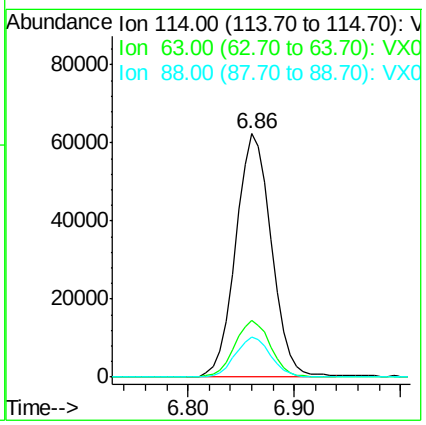


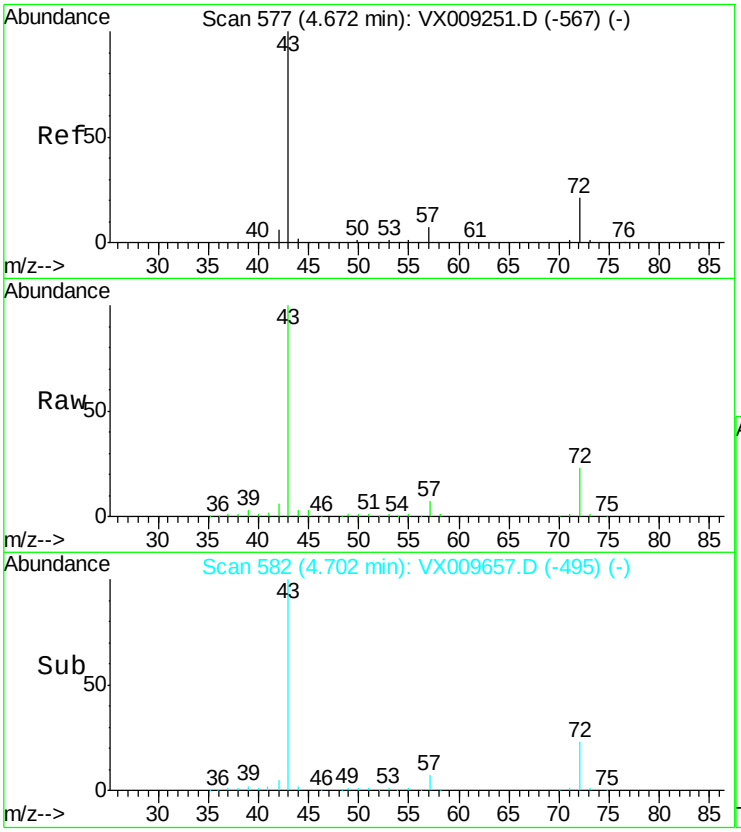


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion:114 Resp: 146850

Ion	Ratio	Lower	Upper
114	100		
63	23.3	18.0	27.0
88	16.3	13.4	20.0



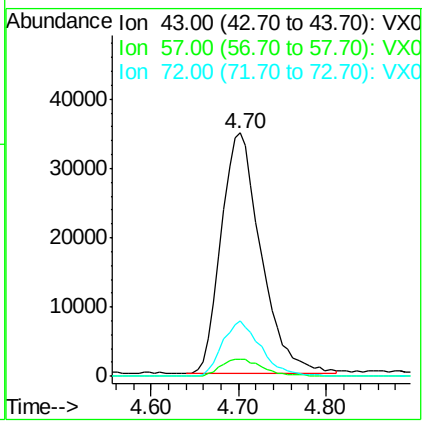


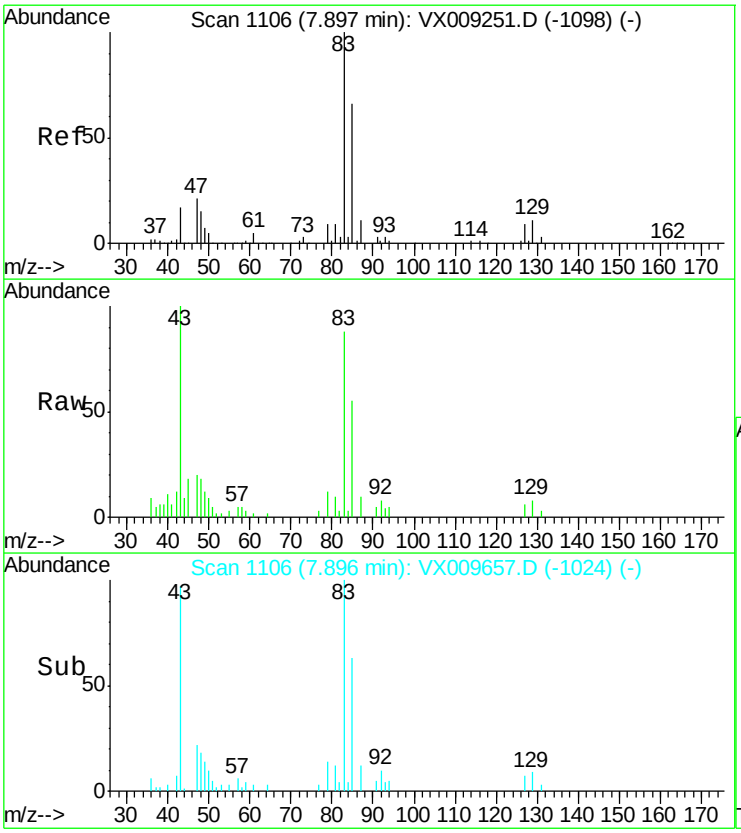
#30
2-Butanone
Concen: 64.937 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.03 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 43 Resp: 109582

Ion	Ratio	Lower	Upper
43	100		
57	7.6	6.0	9.0
72	22.4	18.2	27.4

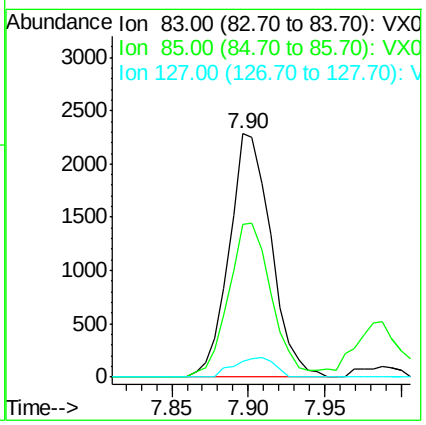


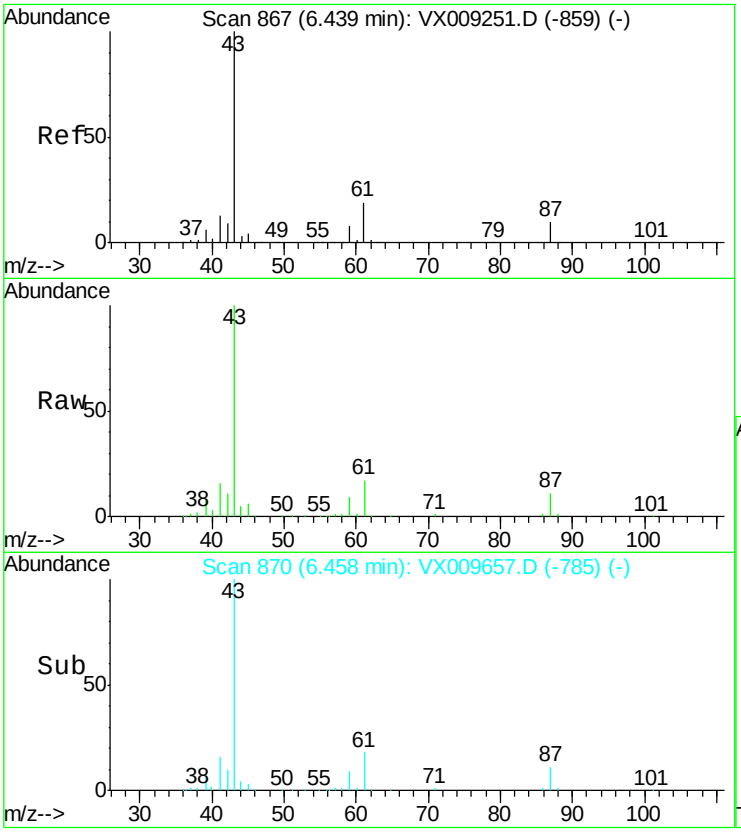


#41
Bromodichloromethane
Concen: 1.979 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 83 Resp: 4341

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.6	79.0
127	6.6	6.9	10.3#



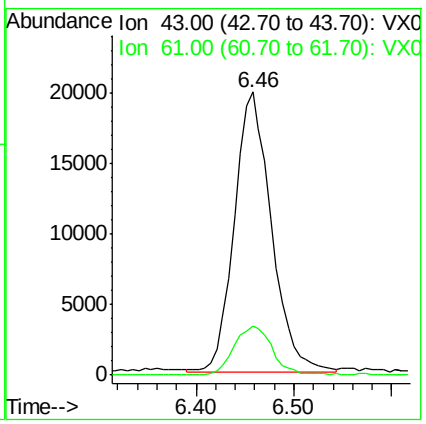


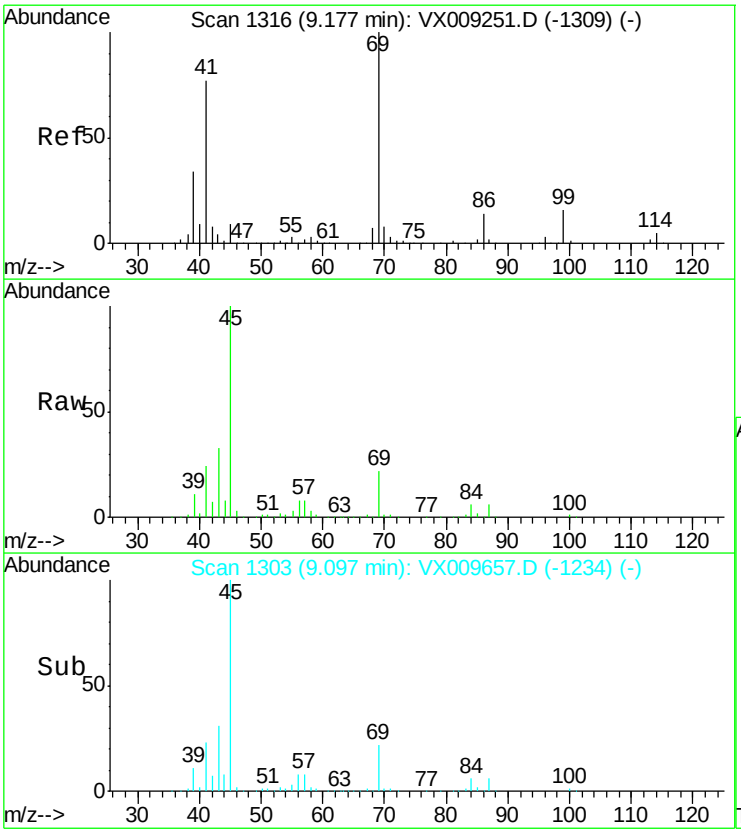
#44
Isopropyl Acetate
Concen: 10.490 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.02 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 43 Resp: 51821

Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.4	23.2

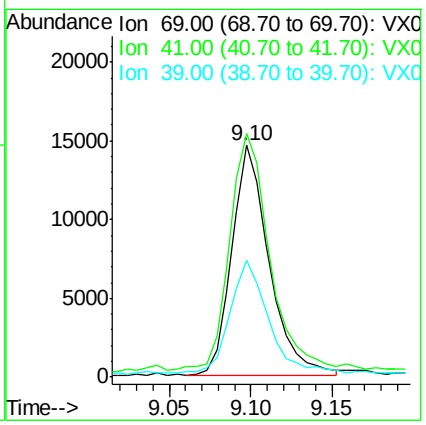


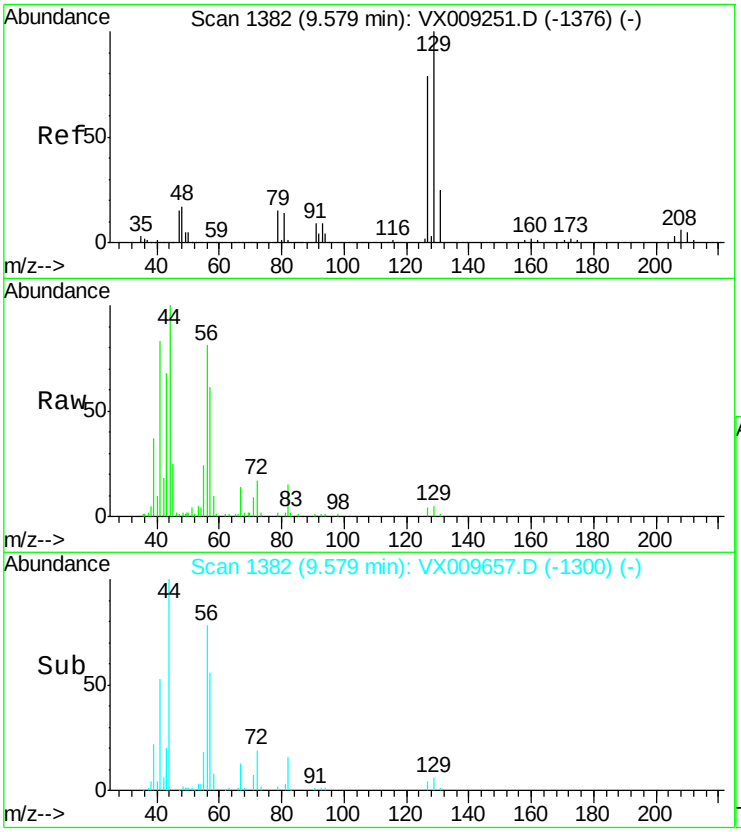


#51
Ethyl methacrylate
Concen: 7.575 ug/l
RT: 9.10 min Scan# 1303
Delta R.T. -0.08 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 69 Resp: 23028

Ion	Ratio	Lower	Upper
69	100		
41	101.7	38.4	115.2
39	48.6	17.2	51.5



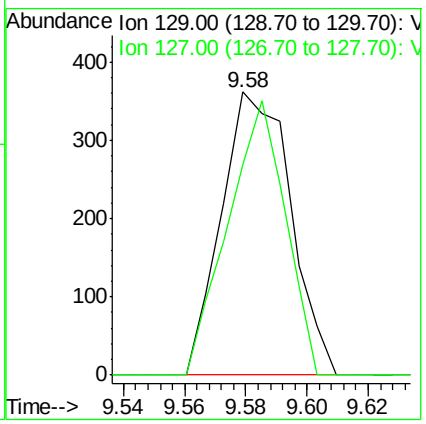


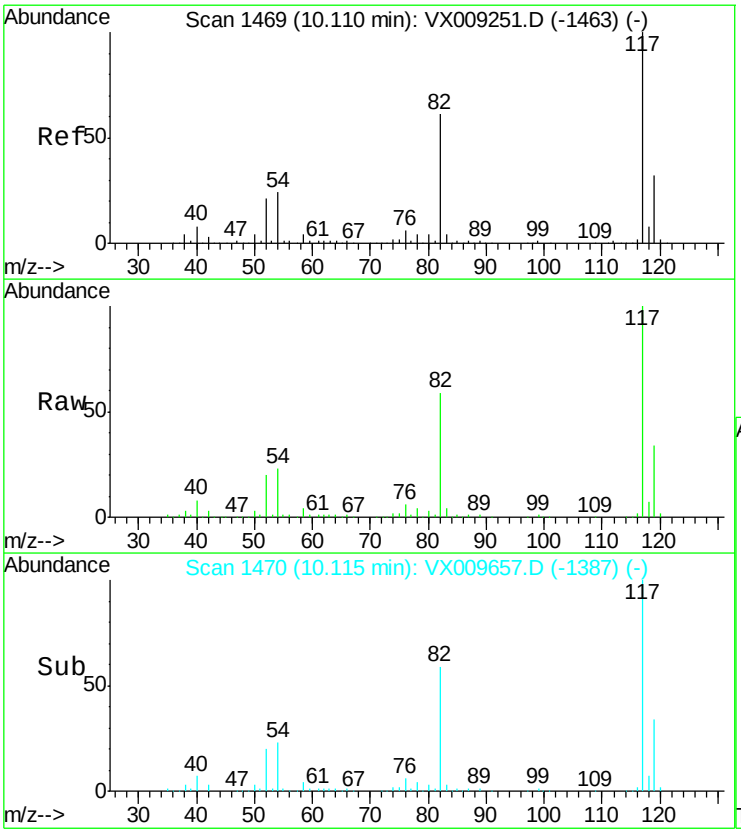
#53
Dibromochloromethane
Concen: 0.345 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion:129 Resp: 565

Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.1	117.5

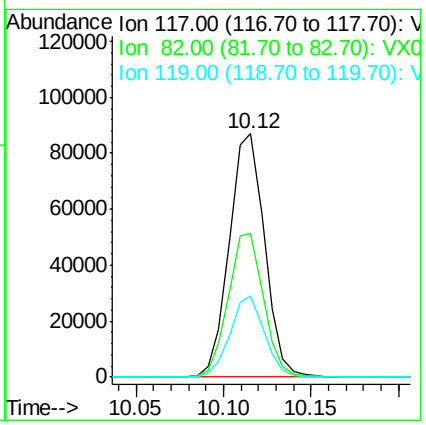


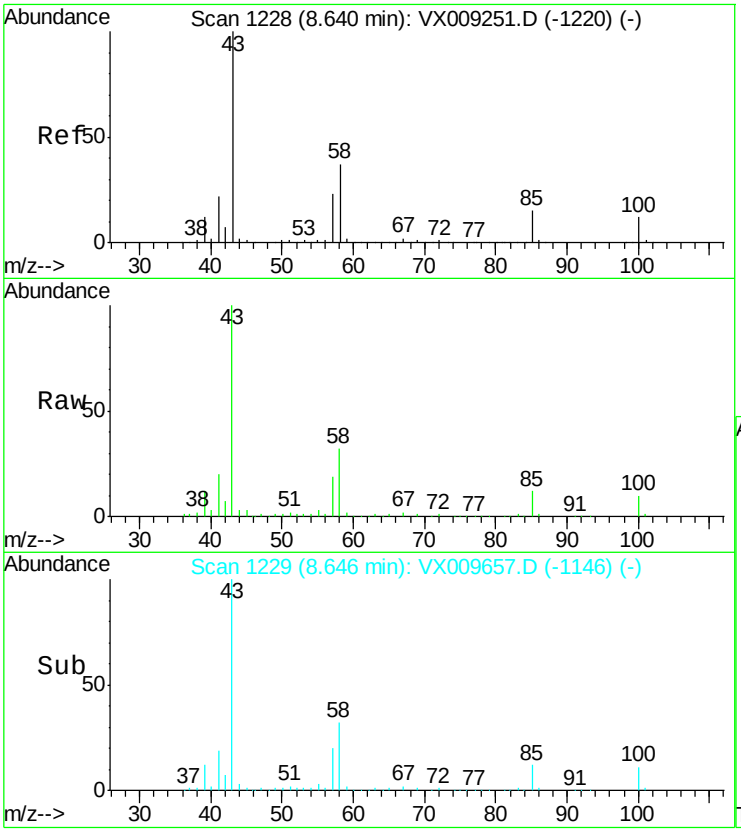


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion:117 Resp: 122665

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.8
119	32.4	25.6	38.4



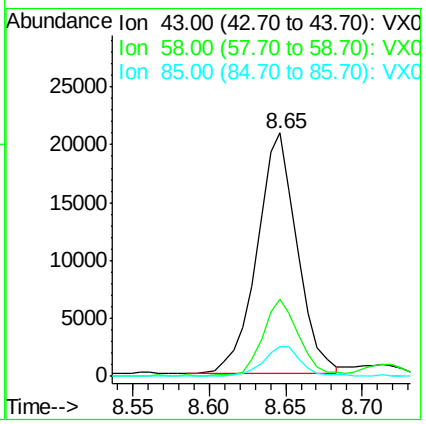


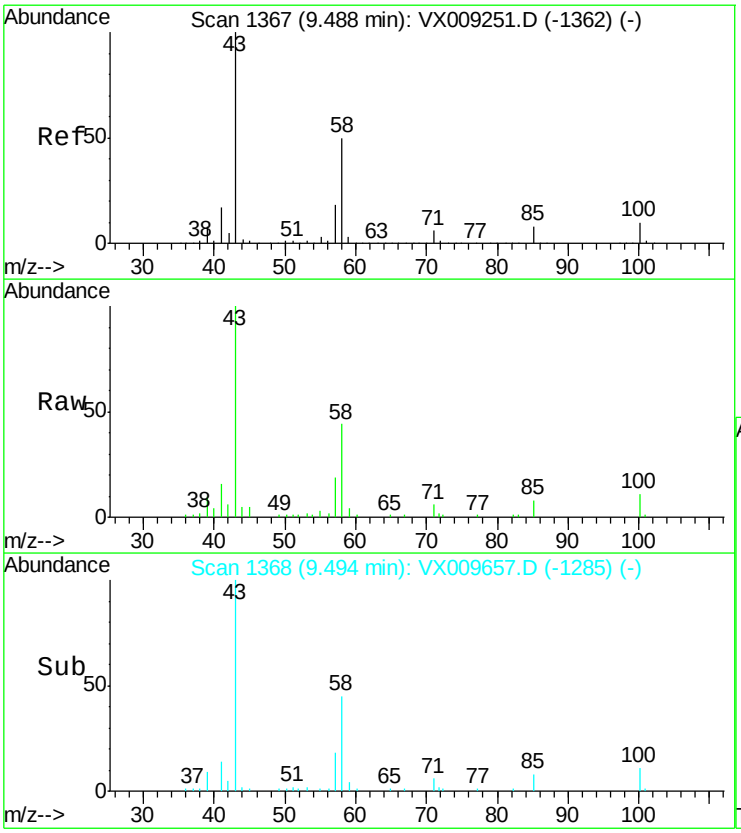
#58
4-Methyl-2-Pentanone
Concen: 12.492 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 43 Resp: 37677

Ion	Ratio	Lower	Upper
43	100		
58	28.8	29.4	44.0#
85	11.6	11.8	17.8#

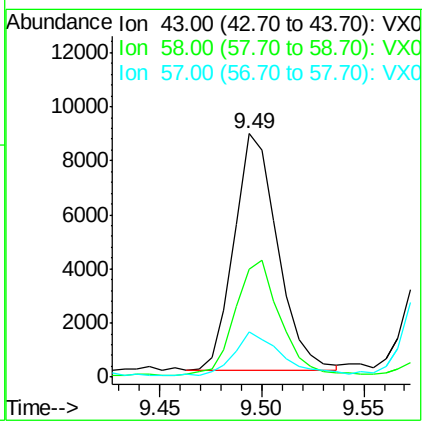


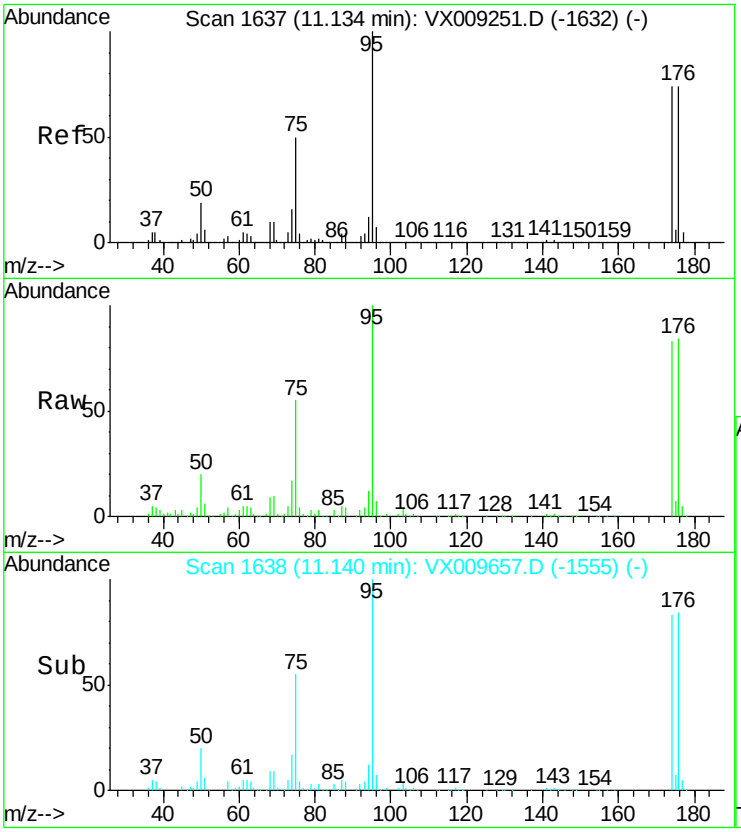


#59
2-Hexanone
Concen: 5.528 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 43 Resp: 13077

Ion	Ratio	Lower	Upper
43	100		
58	50.2	40.8	61.2
57	21.5	14.1	21.1#



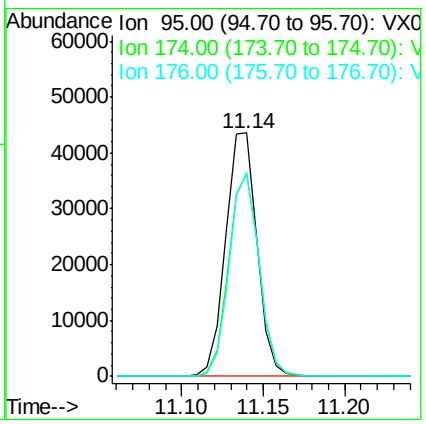


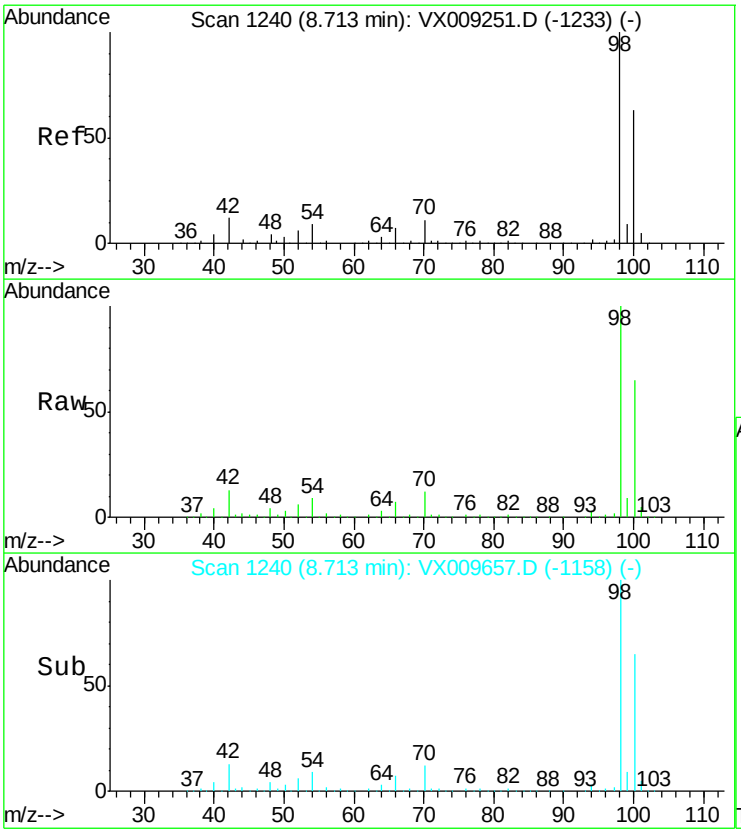
#60
4-Bromofluorobenzene
Concen: 27.947 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 95 Resp: 58252

Ion	Ratio	Lower	Upper
95	100		
174	80.8	63.6	95.4
176	79.2	62.4	93.6

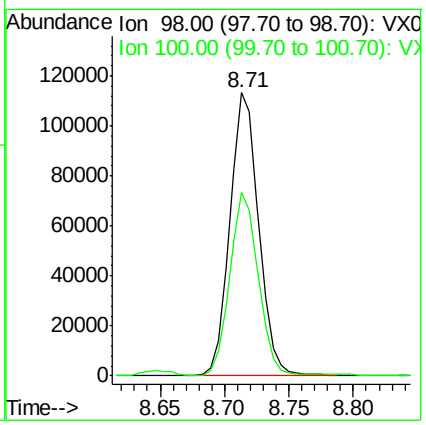


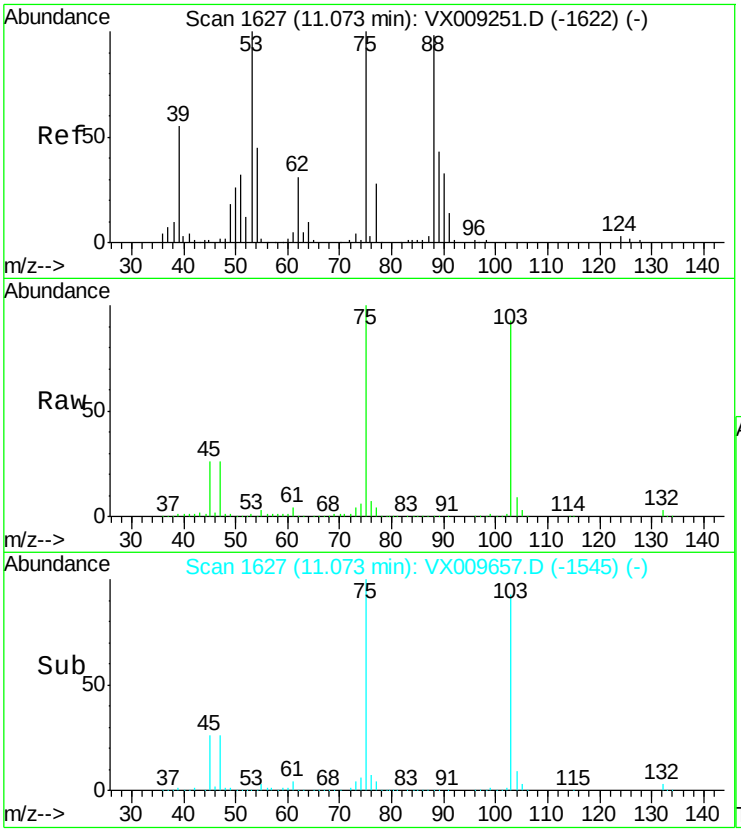


#63
Toluene-d8
Concen: 30.312 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 98 Resp: 176282

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.3	78.5



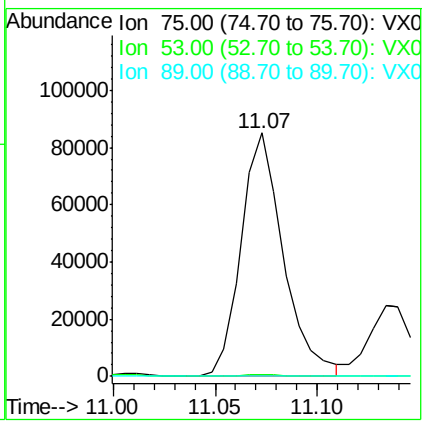


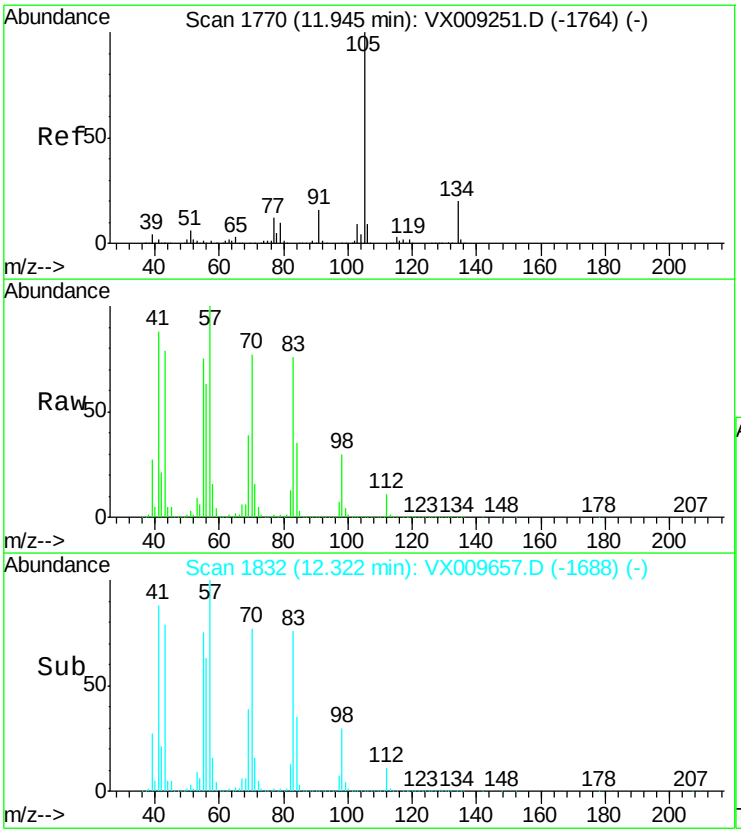
#77
t-1,4-Dichloro-2-butene
Concen: 136.726 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 75 Resp: 122712

Ion	Ratio	Lower	Upper
75	100		
53	0.6	50.0	149.8#
89	0.1	21.6	65.0#

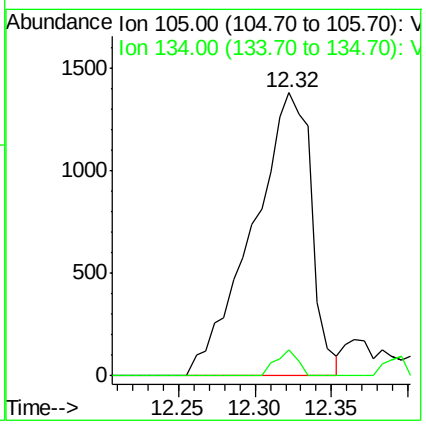


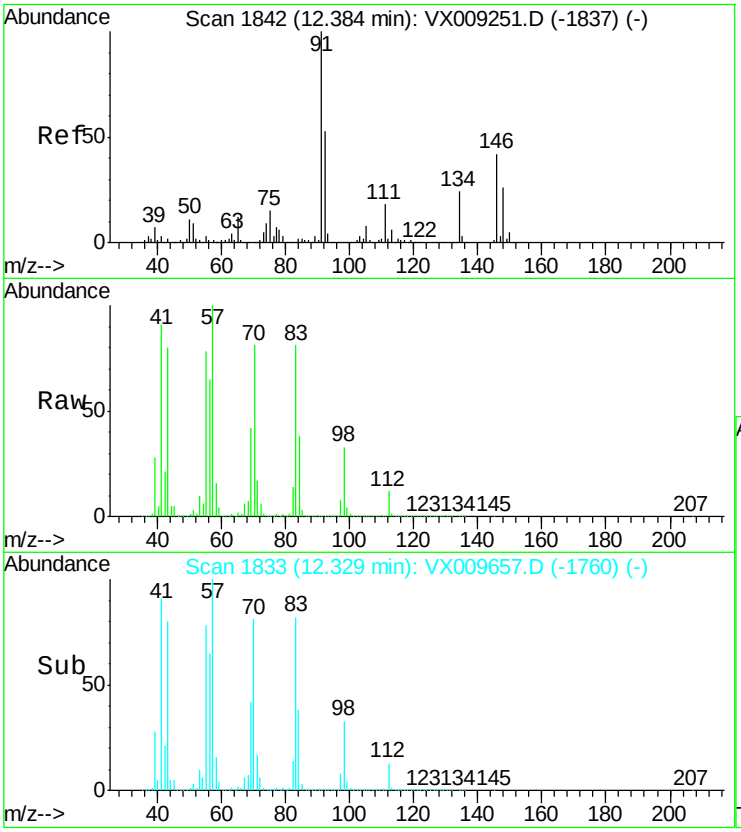


#81
sec-Butylbenzene
Concen: 0.539 ug/l
RT: 12.32 min Scan# 1832
Delta R.T. 0.38 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion:105 Resp: 3694

Ion	Ratio	Lower	Upper
105	100		
134	3.5	0.0	38.6



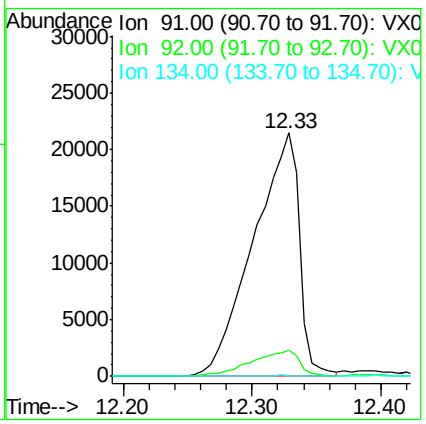


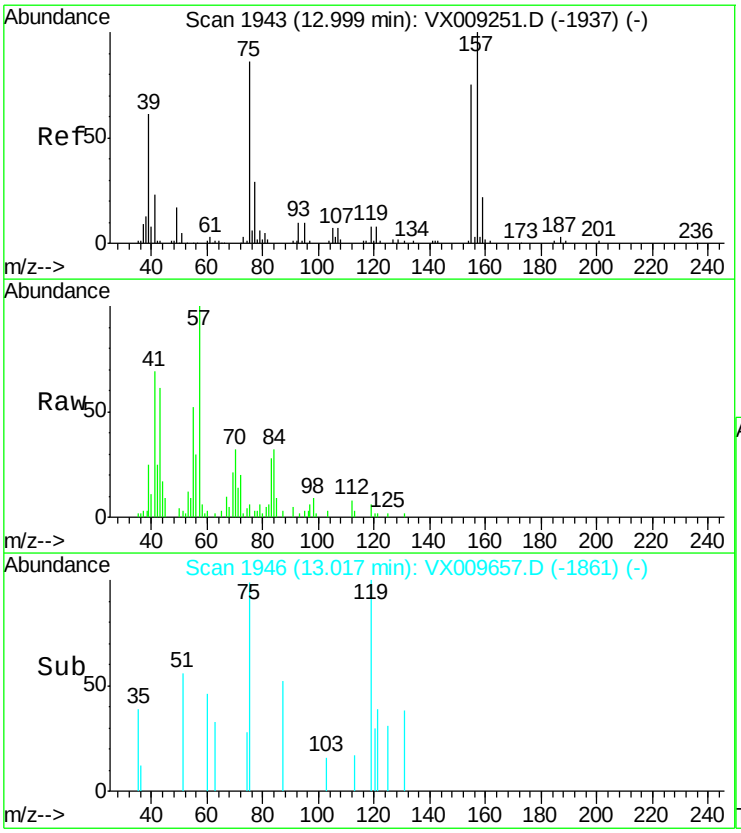
#85
n-Butylbenzene
Concen: 9.368 ug/l
RT: 12.33 min Scan# 1833
Delta R.T. -0.06 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 91 Resp: 53482

Ion	Ratio	Lower	Upper
91	100		
92	11.4	0.0	106.6
134	0.2	0.0	50.0





#88
1,2-Dibromo-3-Chloropropane
Concen: 0.225 ug/l
RT: 13.02 min Scan# 1946
Delta R.T. 0.02 min
Lab File: VX009657.D
Acq: 17 May 2019 12:32

Tgt Ion: 75 Resp: 135

Ion	Ratio	Lower	Upper
75	100		
155	0.0	65.9	98.9#
157	0.0	85.2	127.8#