Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120519\
Data File : VX013780.D
Acq On : 05 Dec 2019 17:14
Operator : JC/SP
Sample : K6178-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391203052

Quant Time: Dec 06 02:21:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	106150	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	595402	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	515736	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.05	65	226832	28.94	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 96.47%			
60) 4-Bromofluorobenzene	11.13	95	233576	28.18	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 93.93%			
63) Toluene-d8	8.71	98	699886	30.01	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.03%			
Target Compounds						Qvalue
5) Bromomethane	1.64	94	11513	1.944	ug/l	89
6) Chloroethane	1.25	64	3069114	566.876	ug/l #	85
11) Methyl Iodide	2.51	142	8487	1.048	ug/l	94
15) Acetone	2.42	58	16599	12.974	ug/l	98
23) tert-Butyl Alcohol	3.01	59	4386	2.157	ug/l #	95
45) 1,4-Dioxane	7.75	88	197	1.014	ug/l #	67

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

Quantitation Report (Not Reviewed)

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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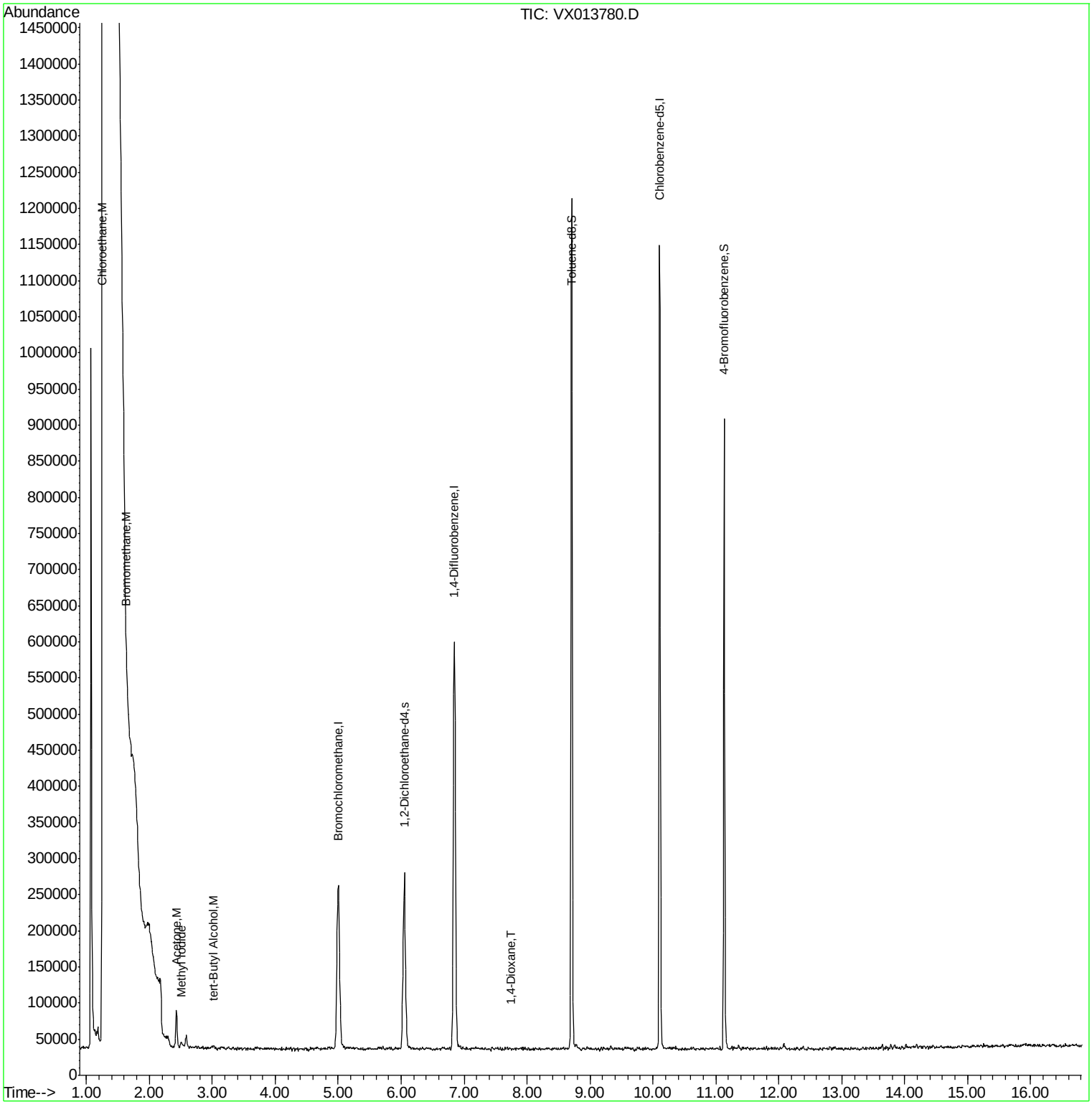
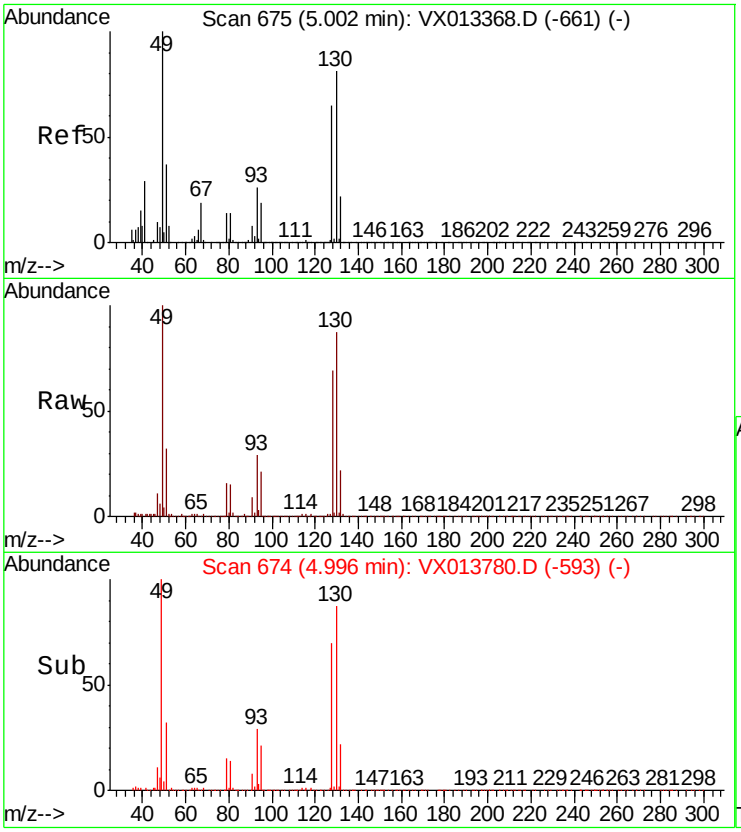


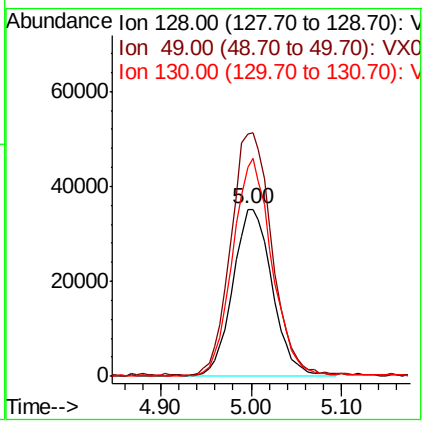


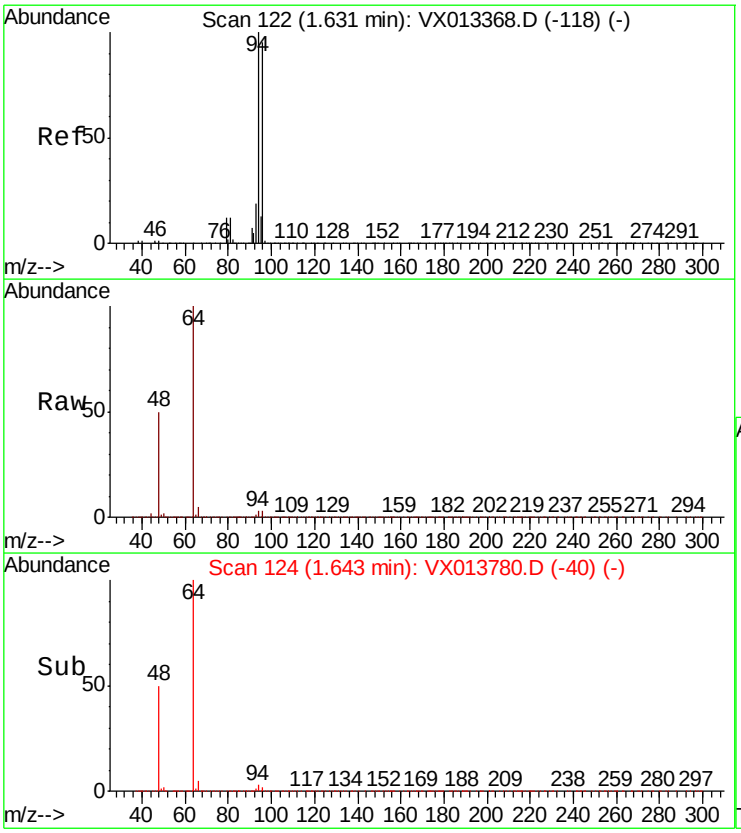
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013780.D
Acq: 05 Dec 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
391203052

Tgt Ion:128 Resp: 106150

Ion	Ratio	Lower	Upper
128	100		
49	150.7	0.0	388.3
130	129.3	0.0	318.5

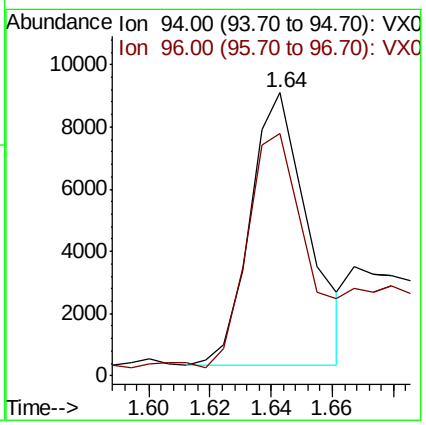


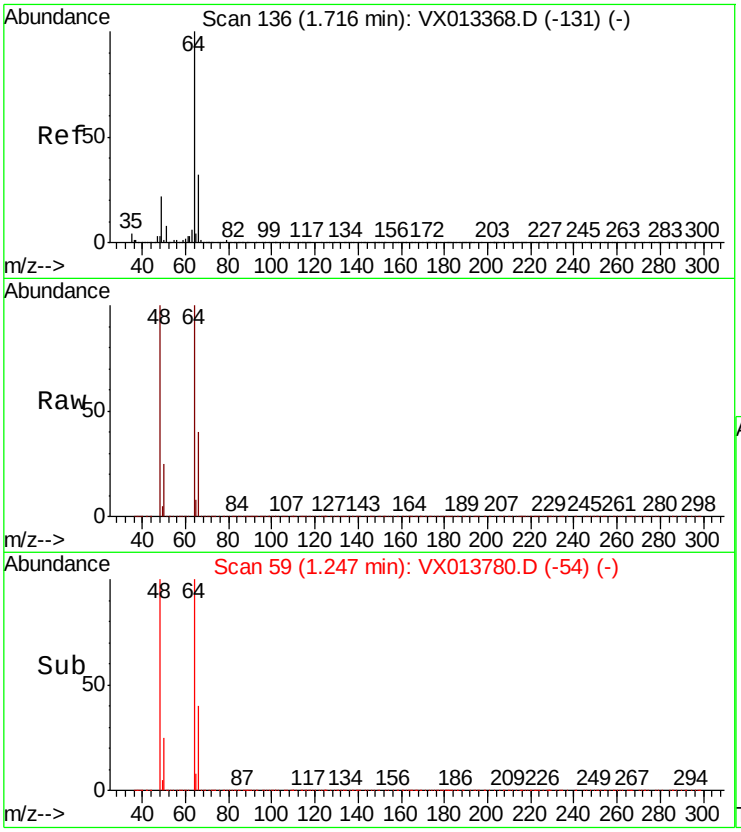


#5
Bromomethane
Concen: 1.944 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX013780.D
Acq: 05 Dec 2019 17:14

Tgt Ion: 94 Resp: 11513

Ion	Ratio	Lower	Upper
94	100		
96	84.3	75.7	113.5



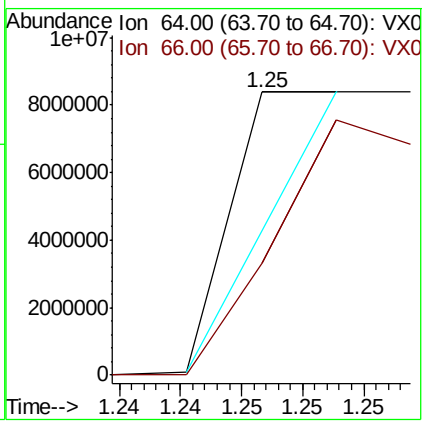


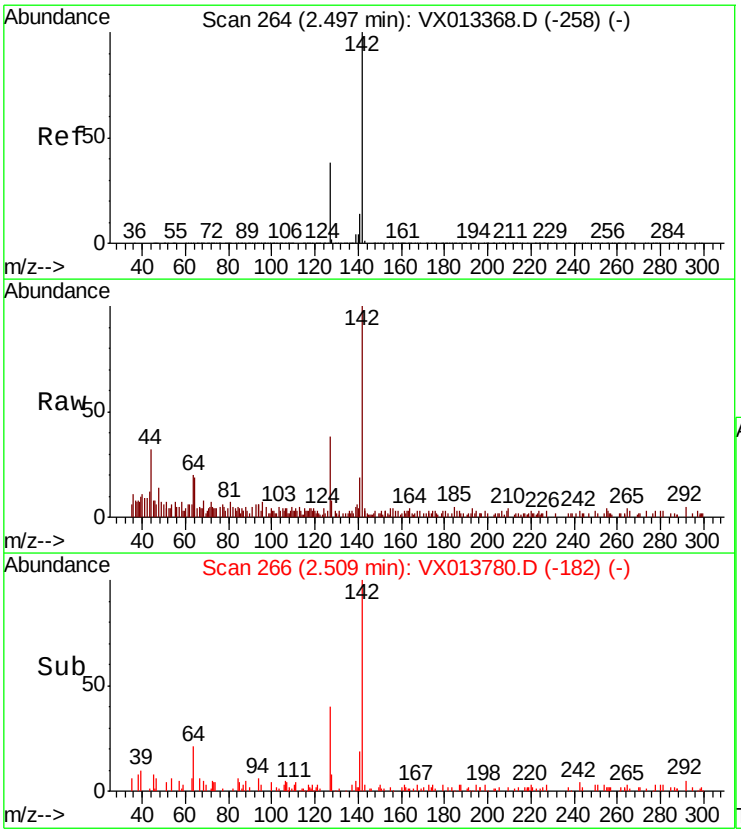
#6
Chloroethane
Concen: 566.876 ug/l
RT: 1.25 min Scan# 59
Delta R.T. -0.47 min
Lab File: VX013780.D
Acq: 05 Dec 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
391203052

Tgt Ion: 64 Resp: 3069114

Ion	Ratio	Lower	Upper
64	100		
66	40.2	25.5	38.3#

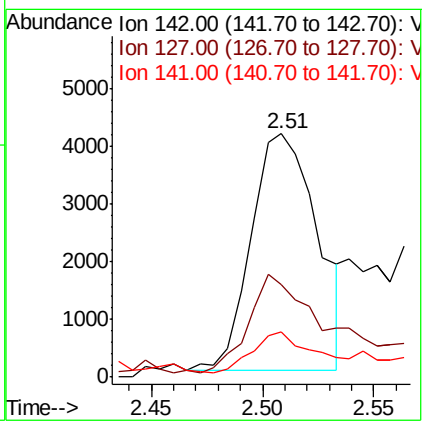


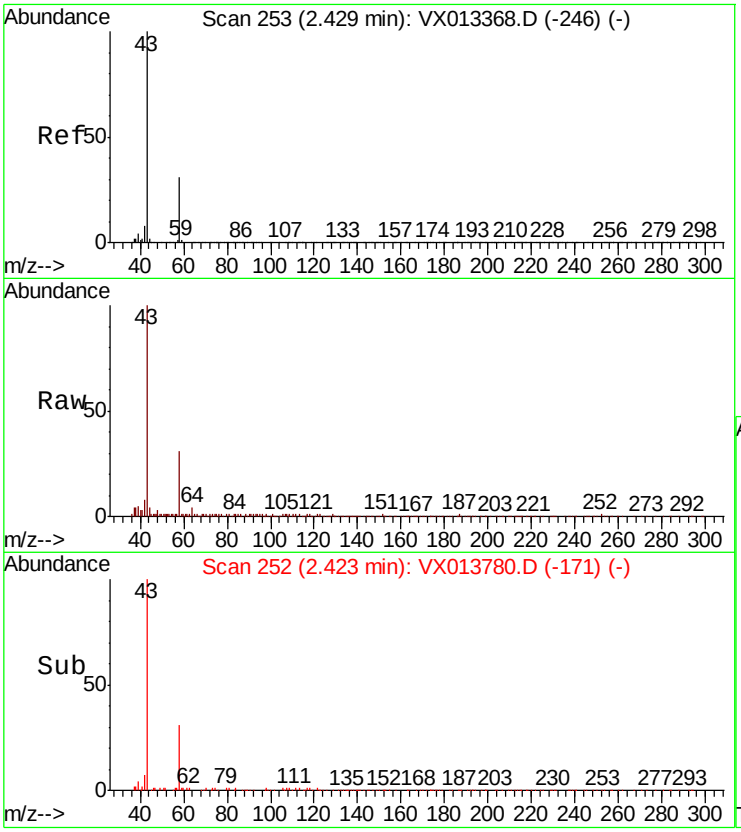


#11
Methyl Iodide
Concen: 1.048 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013780.D
Acq: 05 Dec 2019 17:14

Tgt Ion:142 Resp: 8487

Ion	Ratio	Lower	Upper
142	100		
127	35.9	19.1	57.5
141	18.2	7.0	21.0



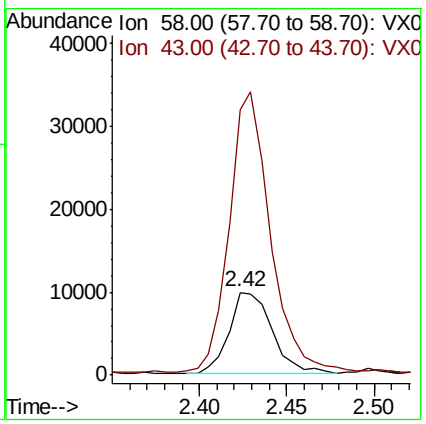


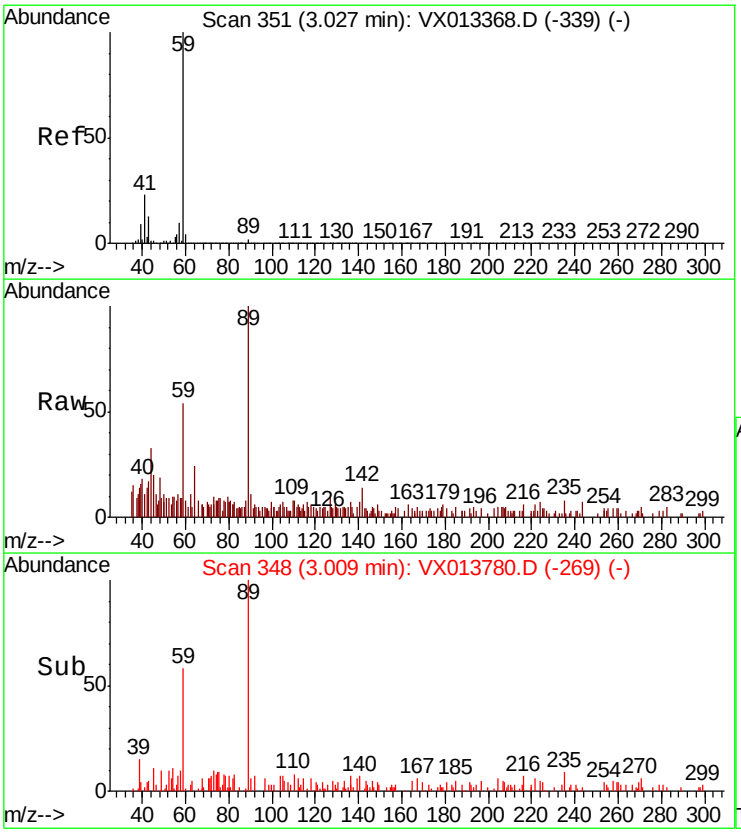
#15
Acetone
Concen: 12.974 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.01 min
Lab File: VX013780.D
Acq: 05 Dec 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
391203052

Tgt Ion: 58 Resp: 16599

Ion	Ratio	Lower	Upper
58	100		
43	323.5	261.4	392.2

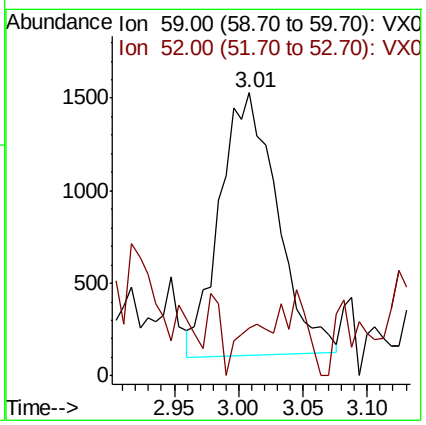


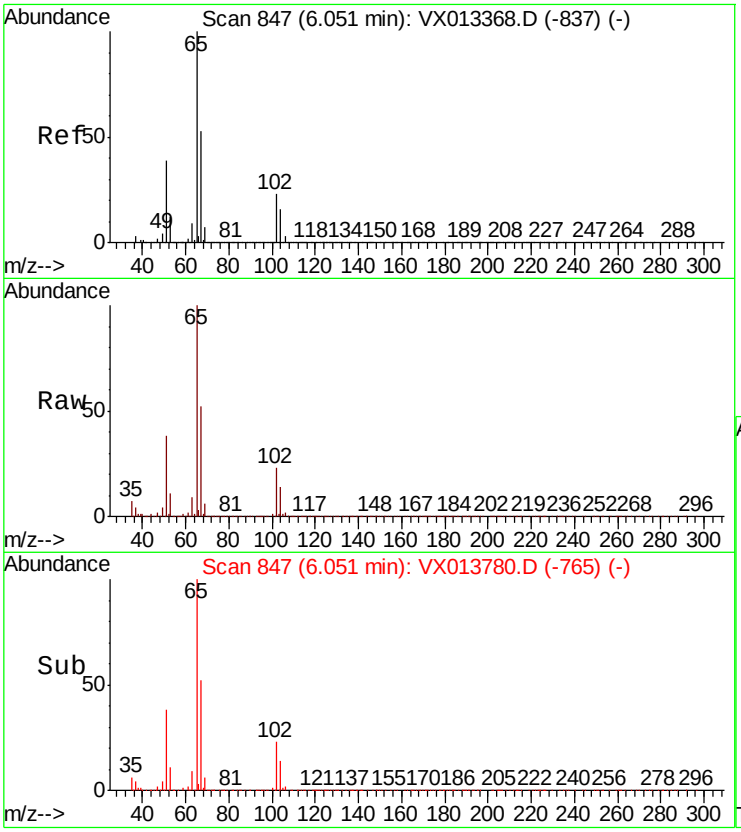


#23
tert-Butyl Alcohol
Concen: 2.157 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013780.D
Acq: 05 Dec 2019 17:14

Tgt Ion: 59 Resp: 4386

Ion	Ratio	Lower	Upper
59	100		
52	12.0	0.1	0.1#



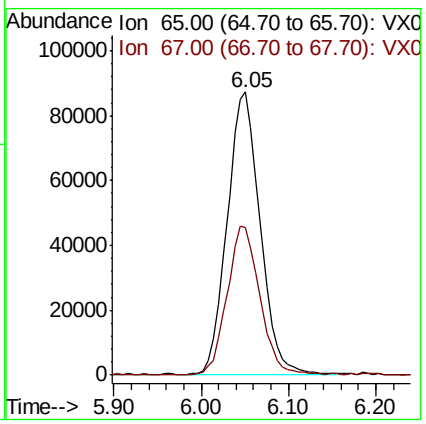


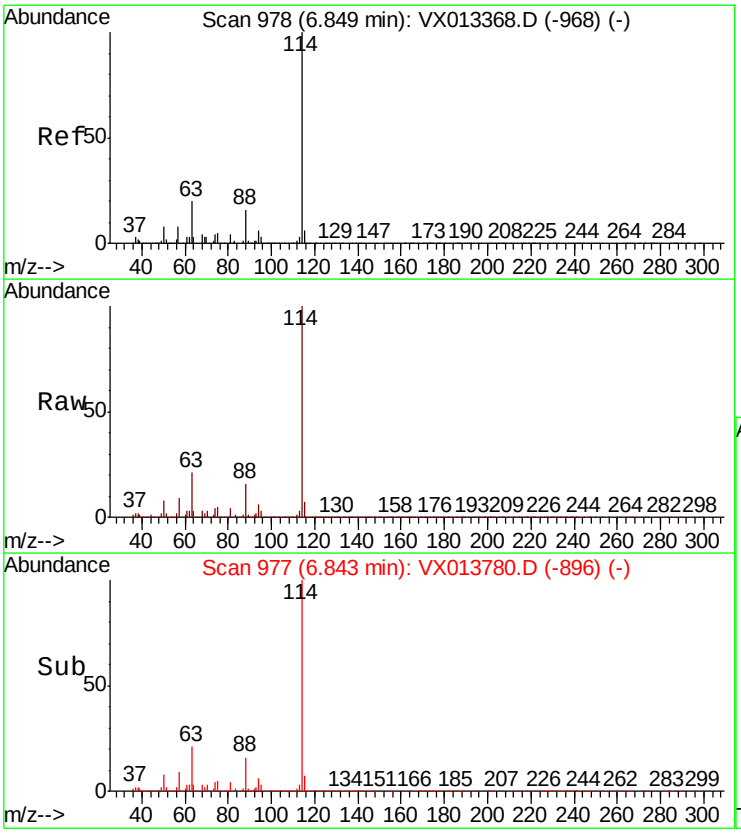
#27
1,2-Dichloroethane-d4
Concen: 28.939 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013780.D
Acq: 05 Dec 2019 17:14

Instrument : MSVOA_X
ClientSampleId : 391203052

Tgt Ion: 65 Resp: 226832

Ion	Ratio	Lower	Upper
65	100		
67	52.4	41.0	61.6

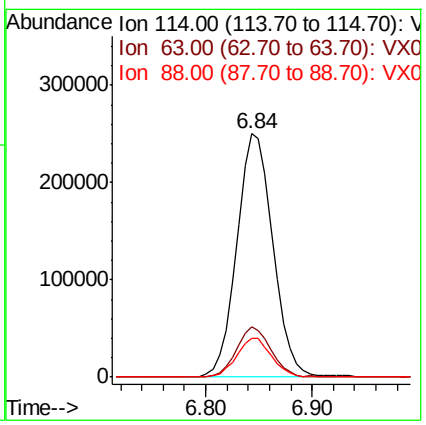


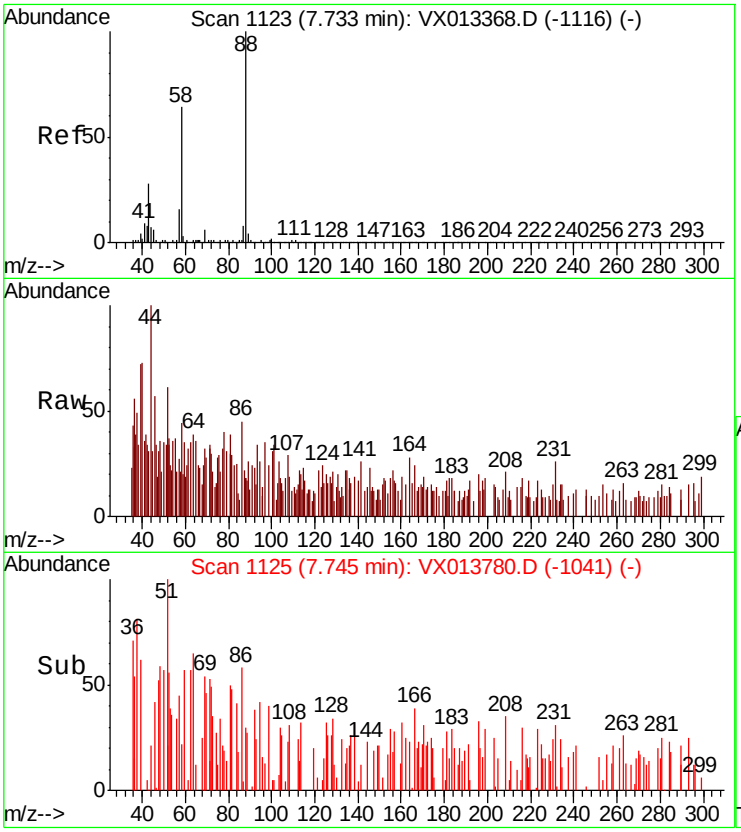


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.84 min Scan# 977
Delta R.T. -0.01 min
Lab File: VX013780.D
Acq: 05 Dec 2019 17:14

Tgt Ion:114 Resp: 595402

Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	15.4	12.3	18.5



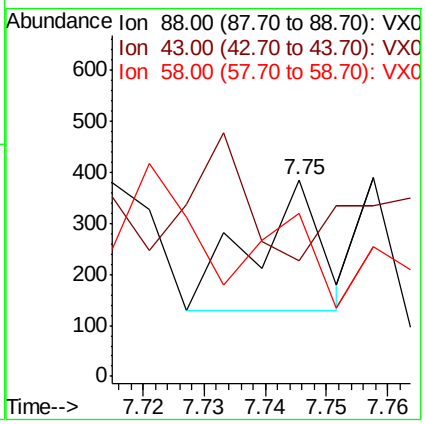


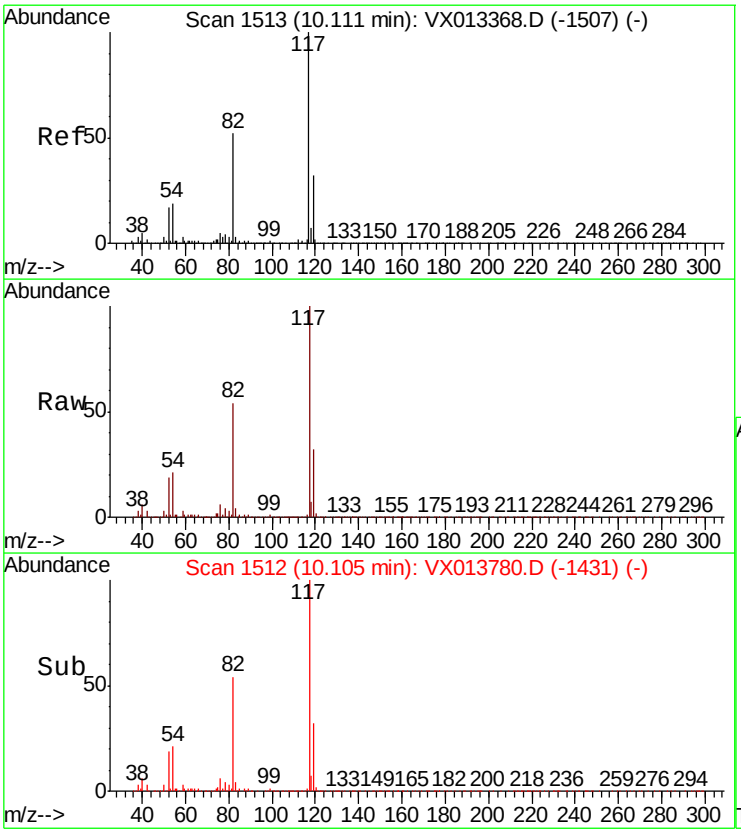
#45
1,4-Dioxane
Concen: 1.014 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX013780.D
Acq: 05 Dec 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
391203052

Tgt Ion: 88 Resp: 197

Ion	Ratio	Lower	Upper
88	100		
43	75.1	26.1	39.1#
58	59.4	55.8	83.8

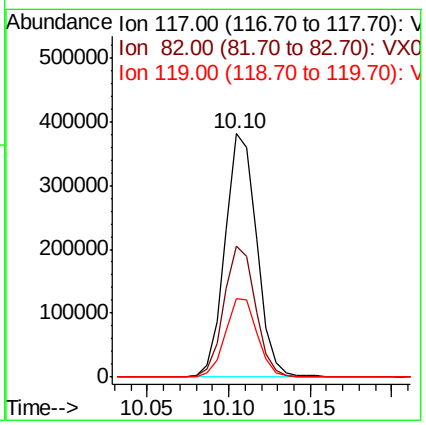


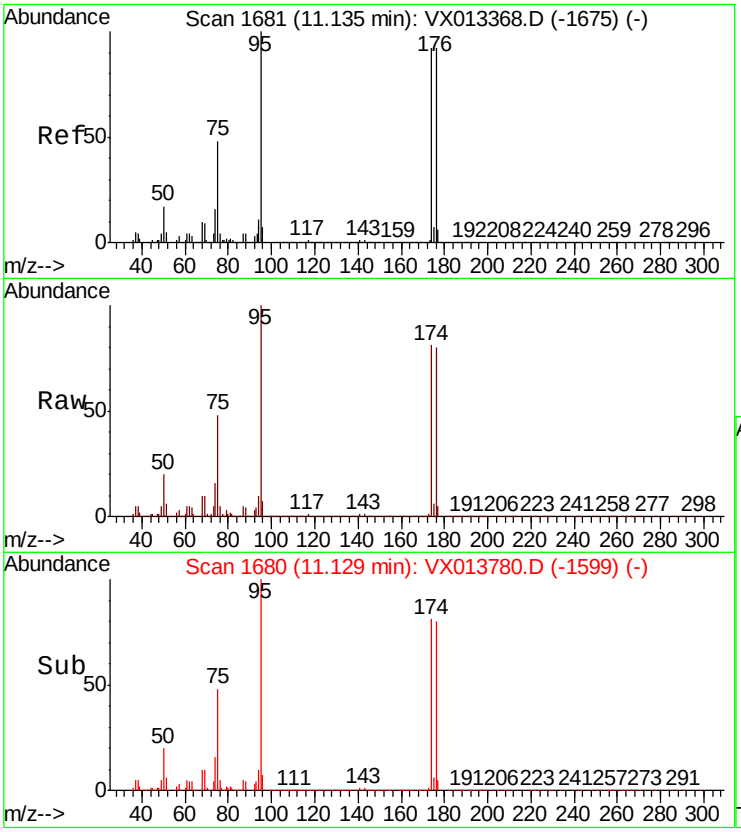


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013780.D
Acq: 05 Dec 2019 17:14

Tgt Ion:117 Resp: 515736

Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.7	65.5
119	32.6	25.5	38.3



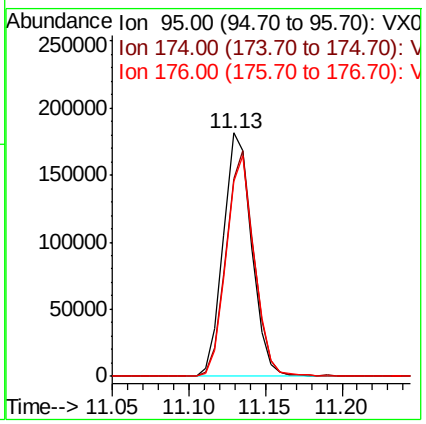


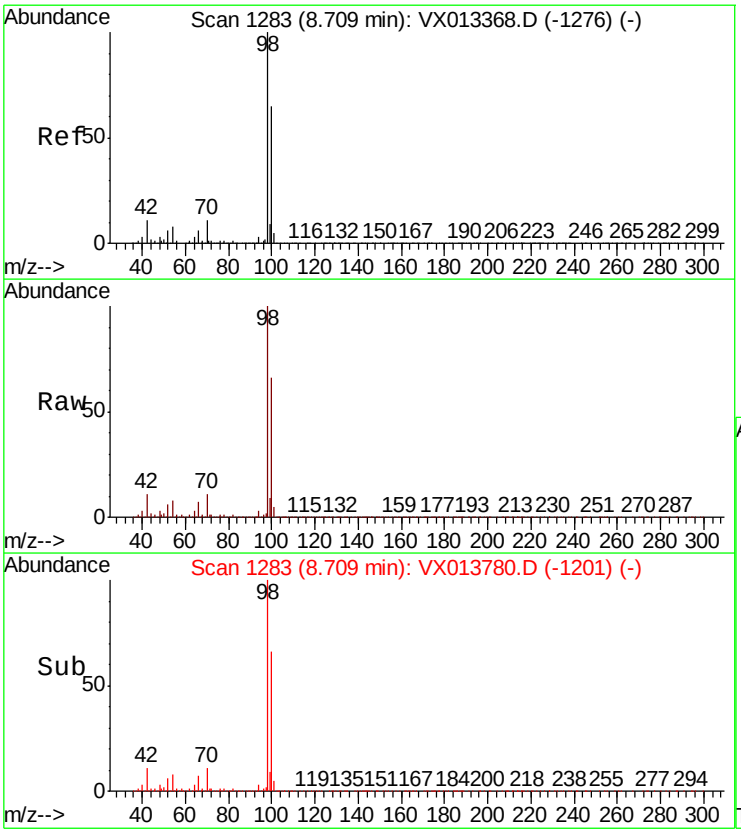
#60
4-Bromofluorobenzene
Concen: 28.178 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013780.D
Acq: 05 Dec 2019 17:14

Instrument :
MSVOA_X
ClientSampleId :
391203052

Tgt Ion: 95 Resp: 233576

Ion	Ratio	Lower	Upper
95	100		
174	90.8	70.2	105.2
176	89.2	68.3	102.5





#63
Toluene-d8
Concen: 30.010 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013780.D
Acq: 05 Dec 2019 17:14

Tgt Ion: 98 Resp: 699886

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7