Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
Data File : VX013540.D
Acq On : 22 Nov 2019 17:55
Operator : JC/SP
Sample : K5978-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 14B-2

Quant Time: Nov 22 22:25:55 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	5.01	128	108623	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.85	114	607759	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	523107	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.05	65	239558	29.87	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.57%				
60) 4-Bromofluorobenzene	11.14	95	229825	27.33	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 91.10%				
63) Toluene-d8	8.71	98	717668	30.34	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 101.13%				
Target Compounds							Qvalue
13) Acrolein	2.31	56	522	0.418	ug/l		96
15) Acetone	2.42	58	2598	1.984	ug/l		71
18) Methylene Chloride	2.86	84	2597	0.341	ug/l	#	71
23) tert-Butyl Alcohol	3.01	59	12003	5.770	ug/l	#	97
25) Chloroform	5.20	83	264766	20.894	ug/l		98
41) Bromodichloromethane	7.89	83	35314	3.734	ug/l		92
45) 1,4-Dioxane	7.73	88	303	1.528	ug/l	#	65
53) Dibromochloromethane	9.58	129	2349	0.309	ug/l		98
58) 4-Methyl-2-Pentanone	8.64	43	3435	0.314	ug/l	#	53

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
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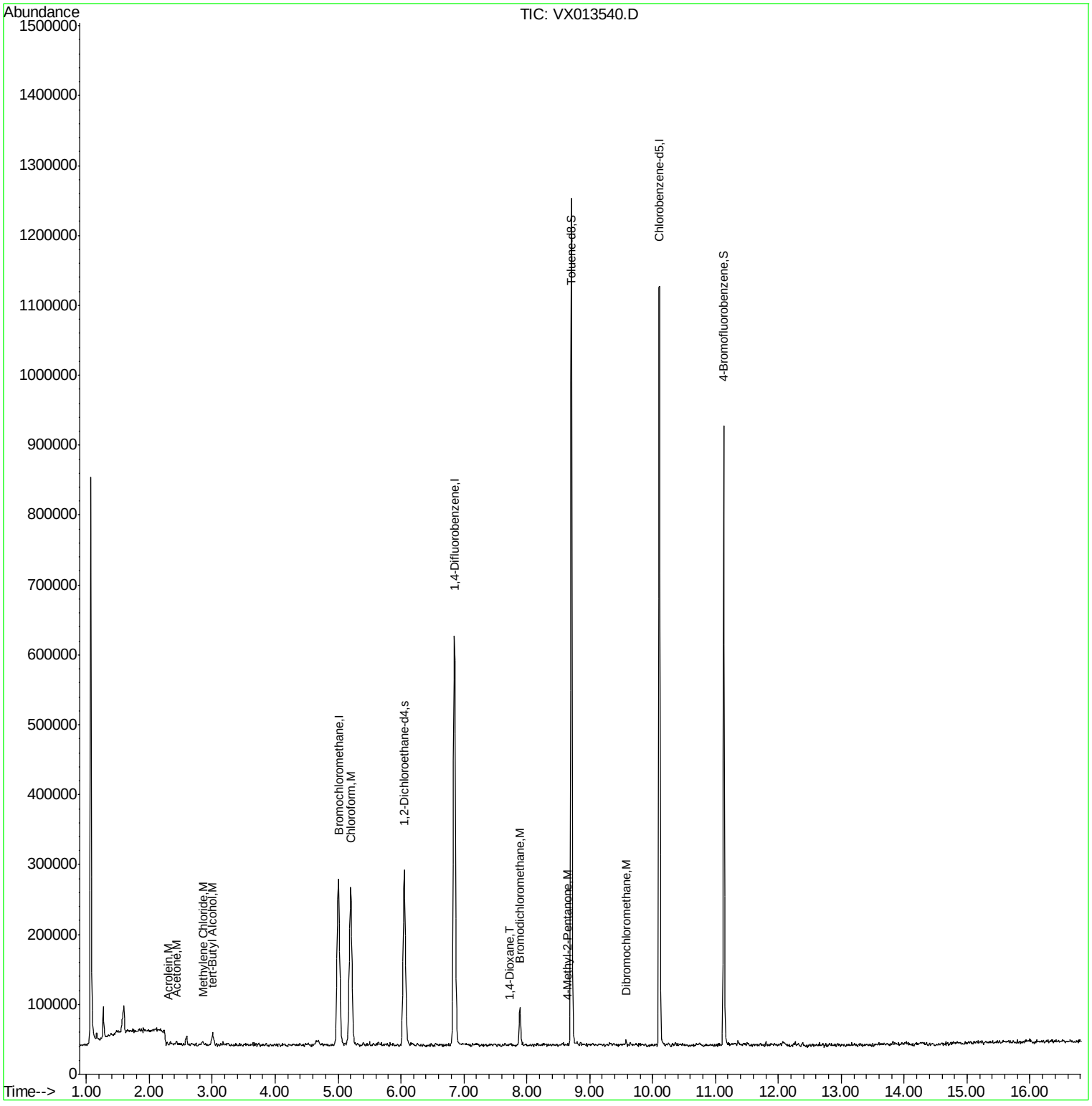
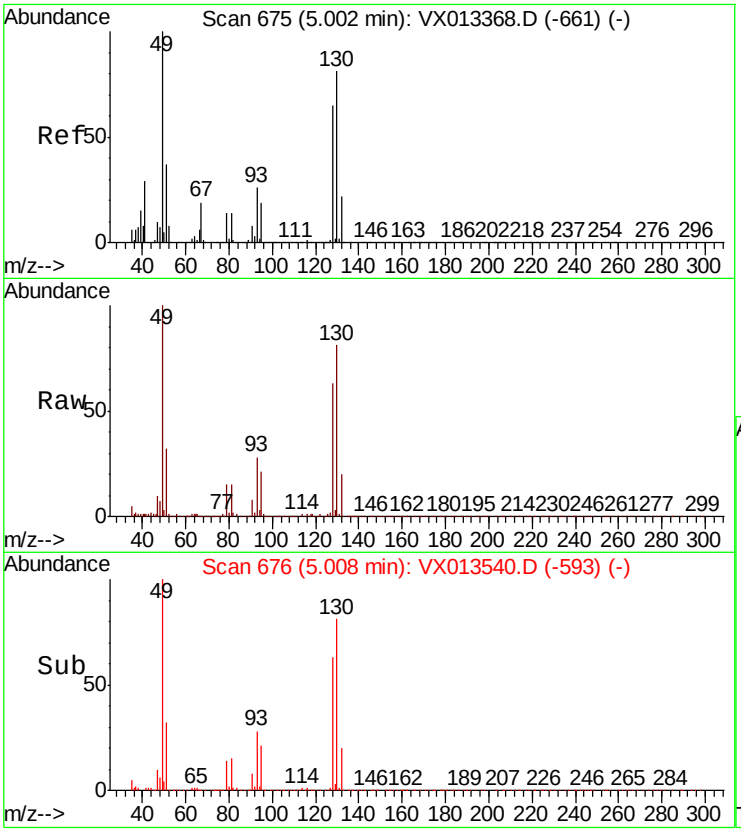
14B-2

Quant Time: Nov 22 22:25:55 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



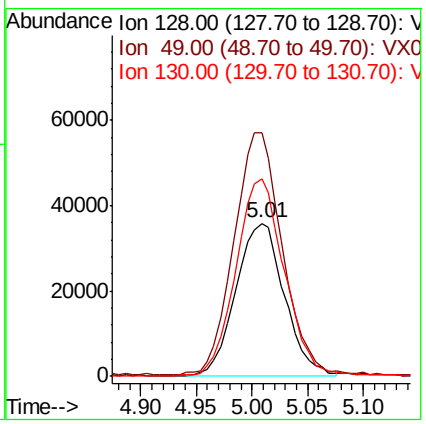


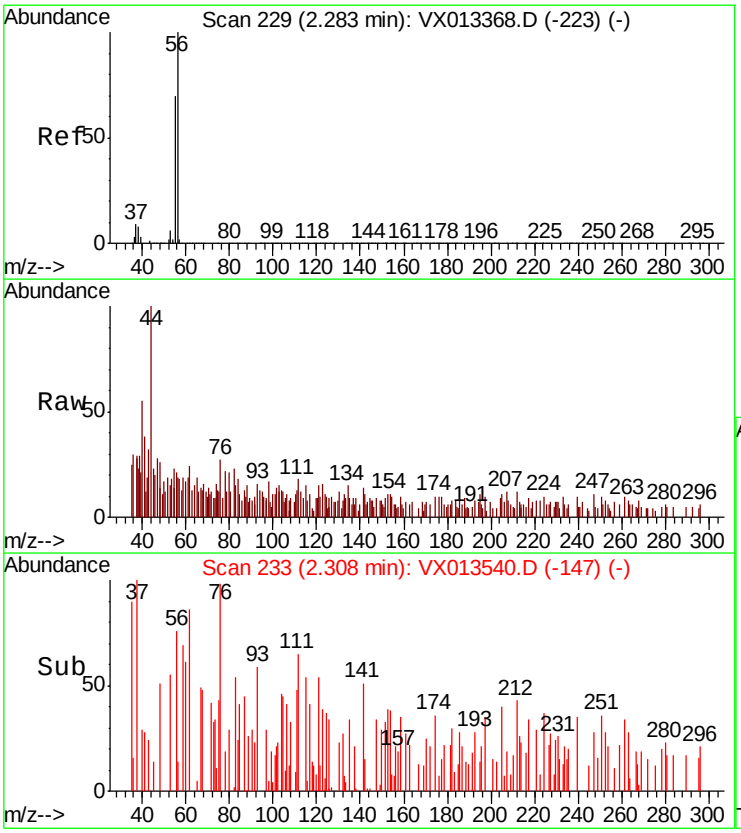
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
14B-2

Tgt Ion:128 Resp: 108623

Ion	Ratio	Lower	Upper
128	100		
49	156.7	0.0	388.3
130	127.1	0.0	318.5

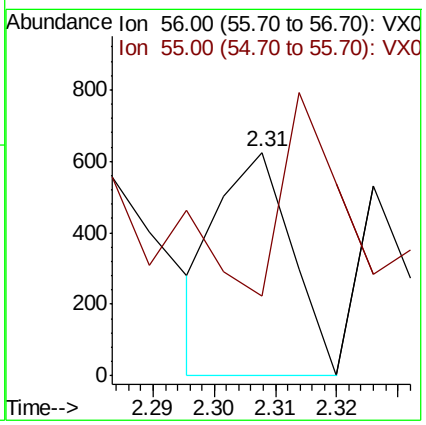


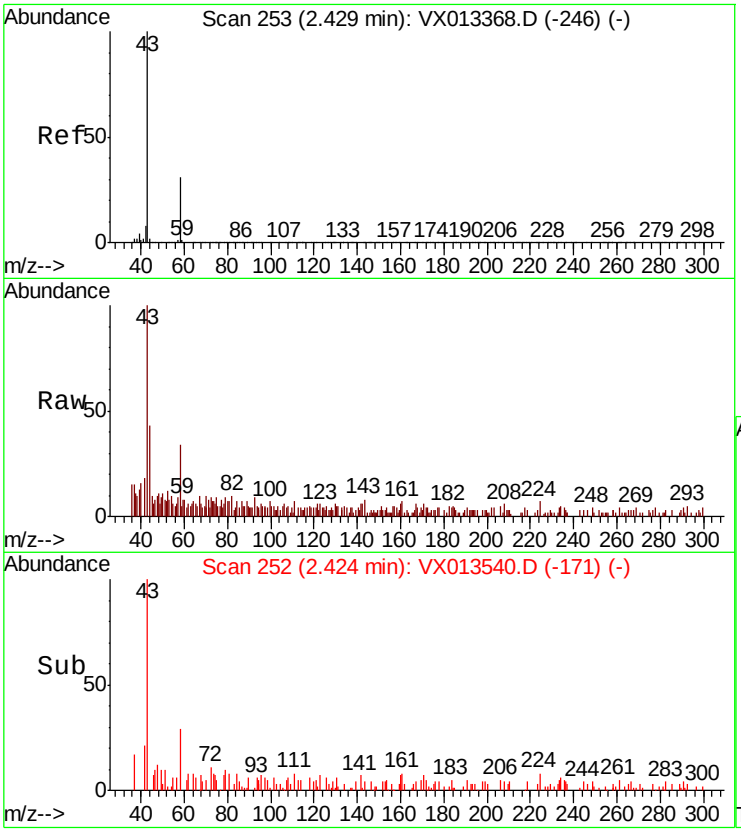


#13
Acrolein
Concen: 0.418 ug/l
RT: 2.31 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Tgt Ion: 56 Resp: 522

Ion	Ratio	Lower	Upper
56	100		
55	66.3	55.8	83.8



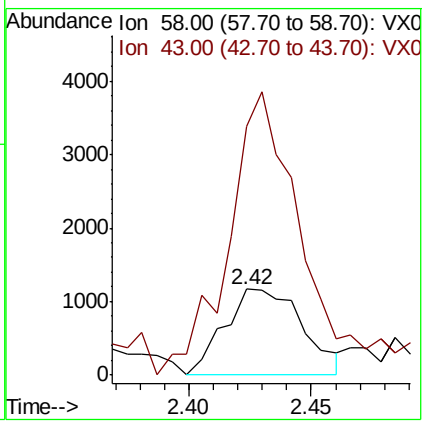


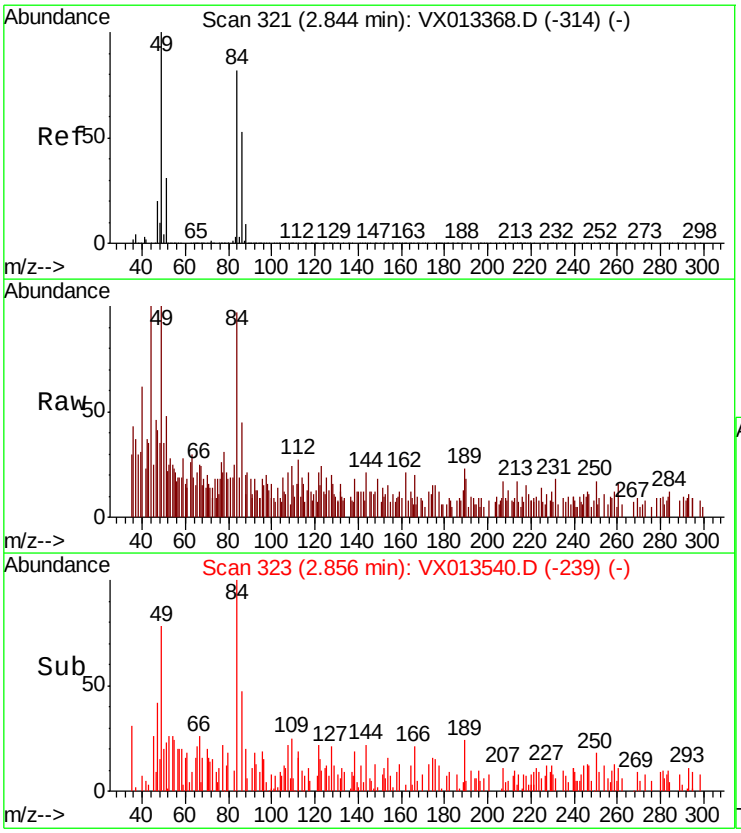
#15
Acetone
Concen: 1.984 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.01 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Instrument : MSVOA_X
ClientSampleId : 14B-2

Tgt Ion: 58 Resp: 2598

Ion	Ratio	Lower	Upper
58	100		
43	266.1	261.4	392.2

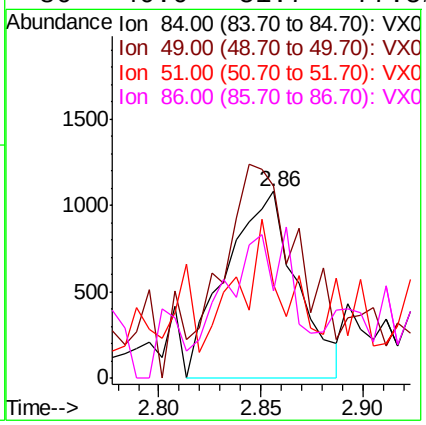


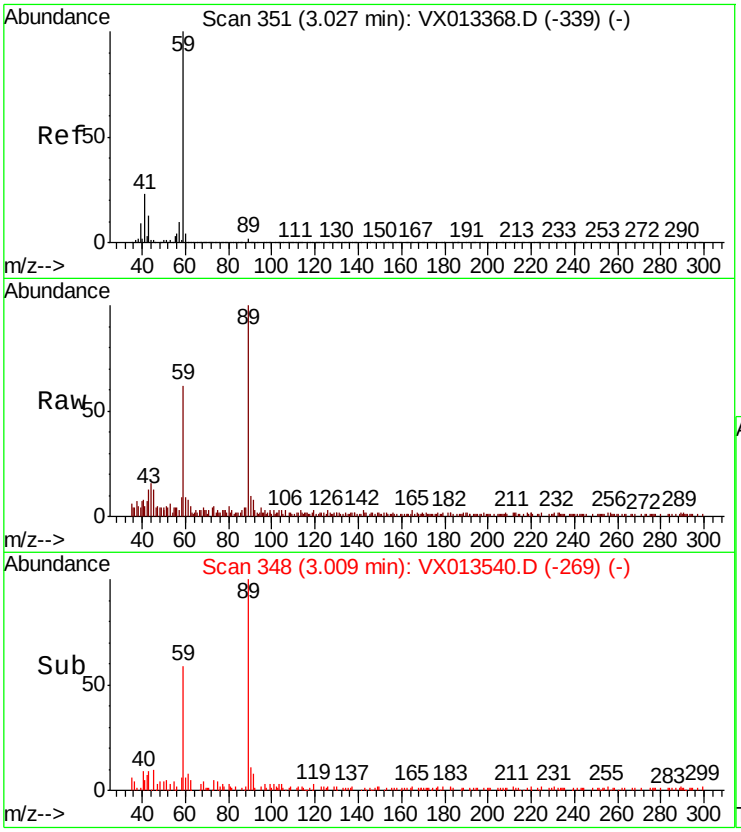


#18
Methylene Chloride
Concen: 0.341 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Tgt Ion: 84 Resp: 2597

Ion	Ratio	Lower	Upper
84	100		
49	101.7	96.8	145.2
51	0.0	30.0	45.0#
86	40.0	51.7	77.5#



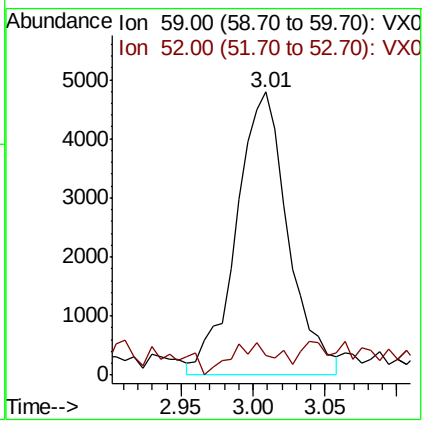


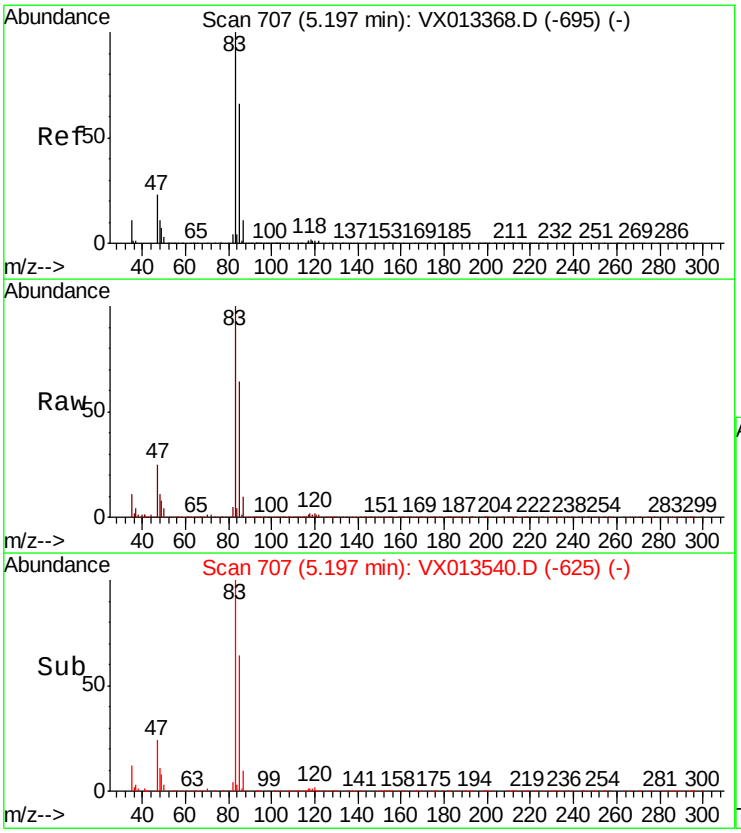
#23
tert-Butyl Alcohol
Concen: 5.770 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
14B-2

Tgt Ion: 59 Resp: 12003

Ion	Ratio	Lower	Upper
59	100		
52	8.2	0.1	0.1#

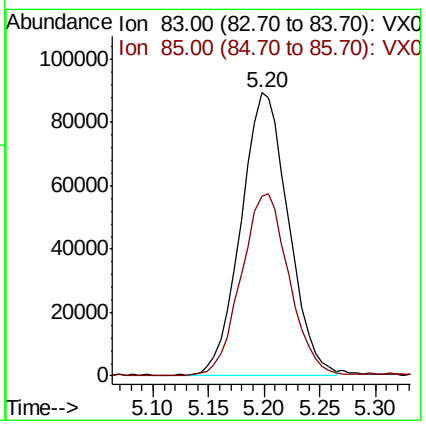


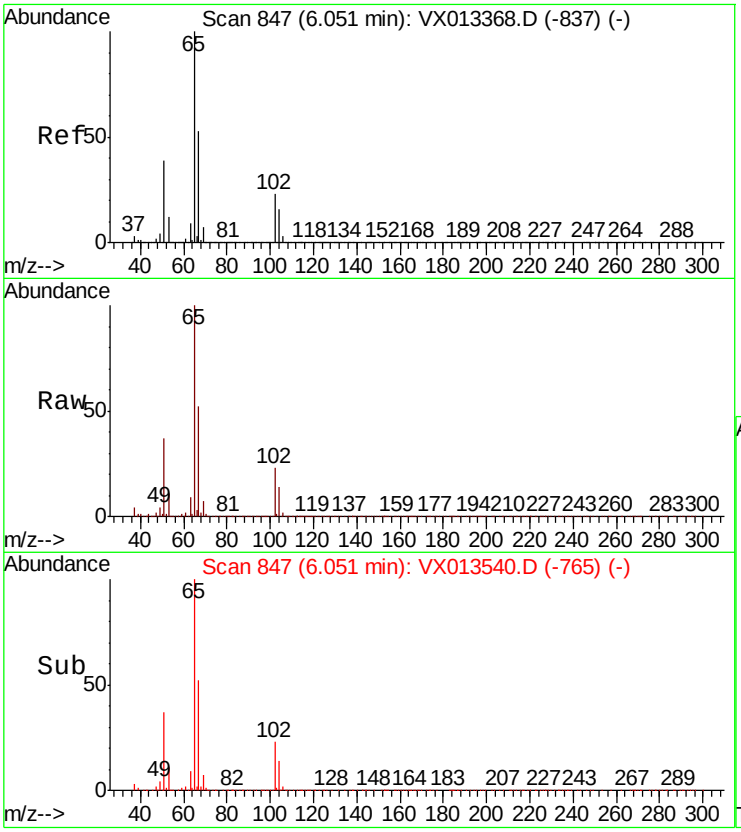


#25
Chloroform
Concen: 20.894 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Tgt Ion: 83 Resp: 264766

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.4	78.6



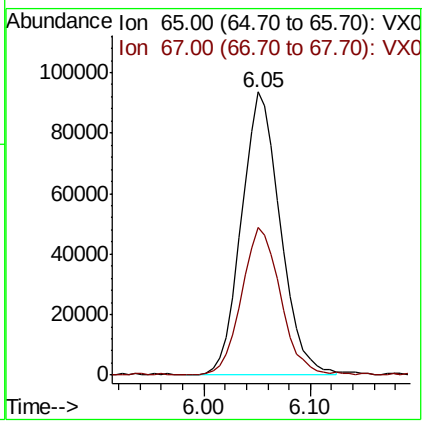


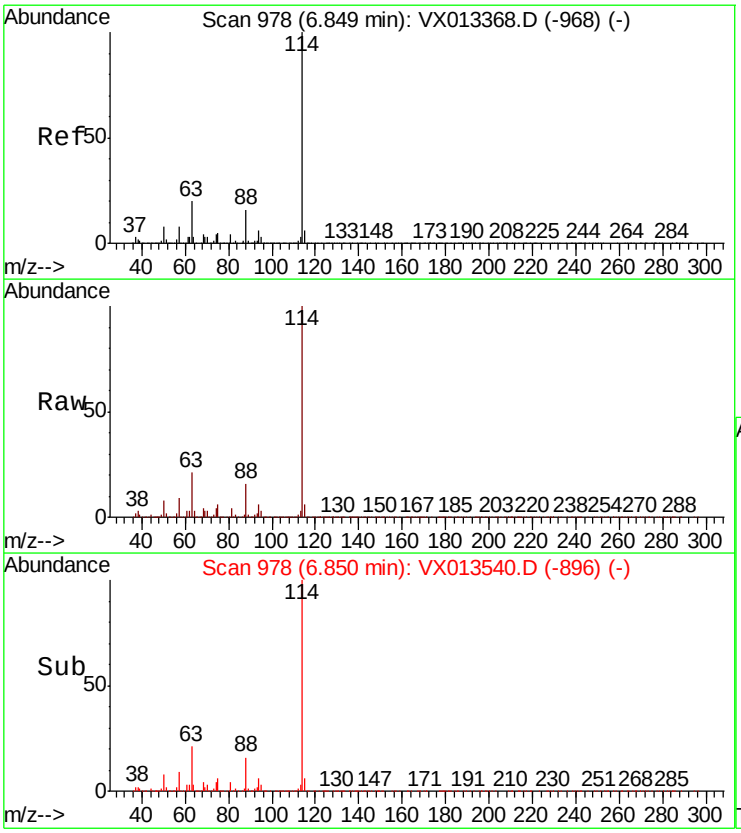
#27
1,2-Dichloroethane-d4
Concen: 29.867 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
14B-2

Tgt Ion: 65 Resp: 239558

Ion	Ratio	Lower	Upper
65	100		
67	52.3	41.0	61.6

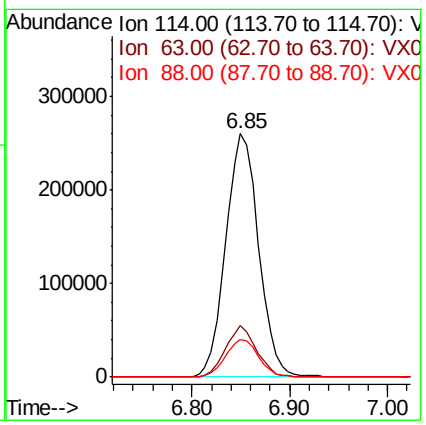


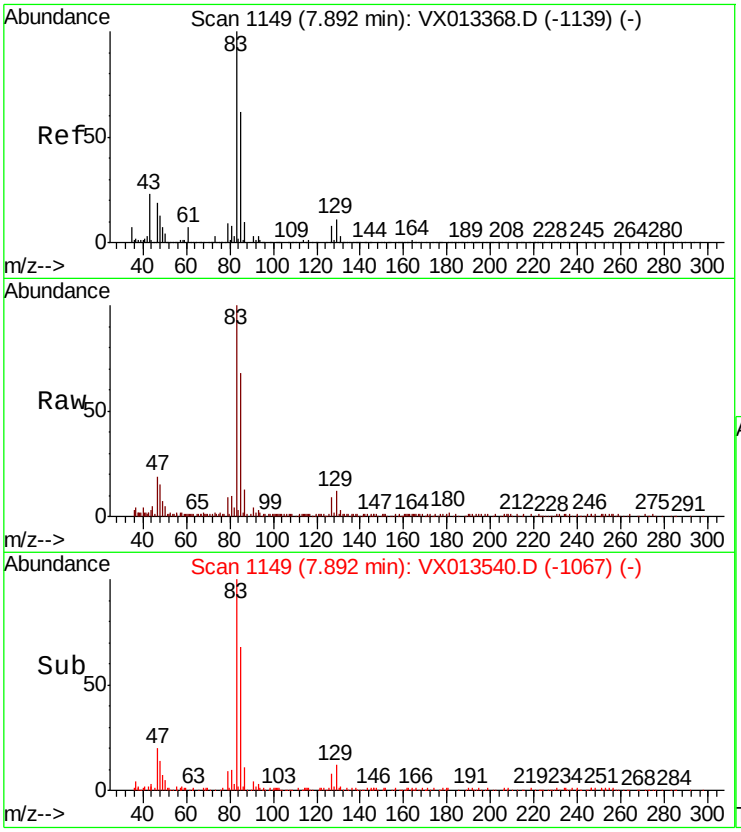


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Tgt Ion:114 Resp: 607759

Ion	Ratio	Lower	Upper
114	100		
63	19.8	16.1	24.1
88	15.5	12.3	18.5



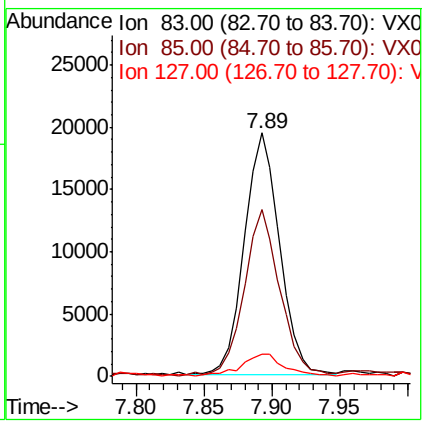


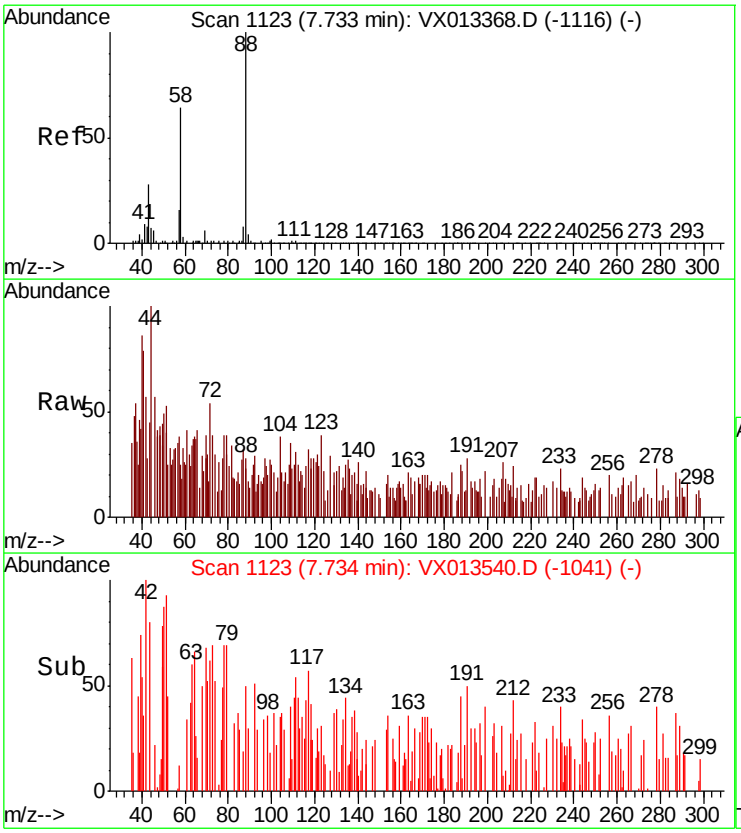
#41
Bromodichloromethane
Concen: 3.734 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
14B-2

Tgt Ion: 83 Resp: 35314

Ion	Ratio	Lower	Upper
83	100		
85	68.2	49.3	73.9
127	8.6	6.6	10.0

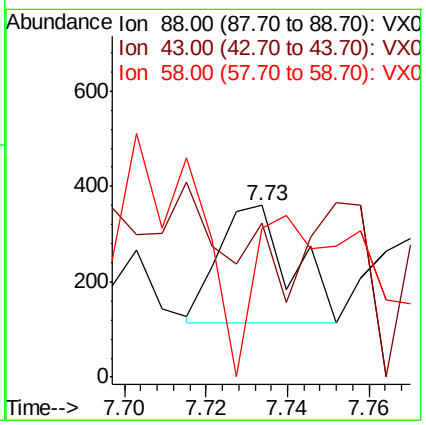


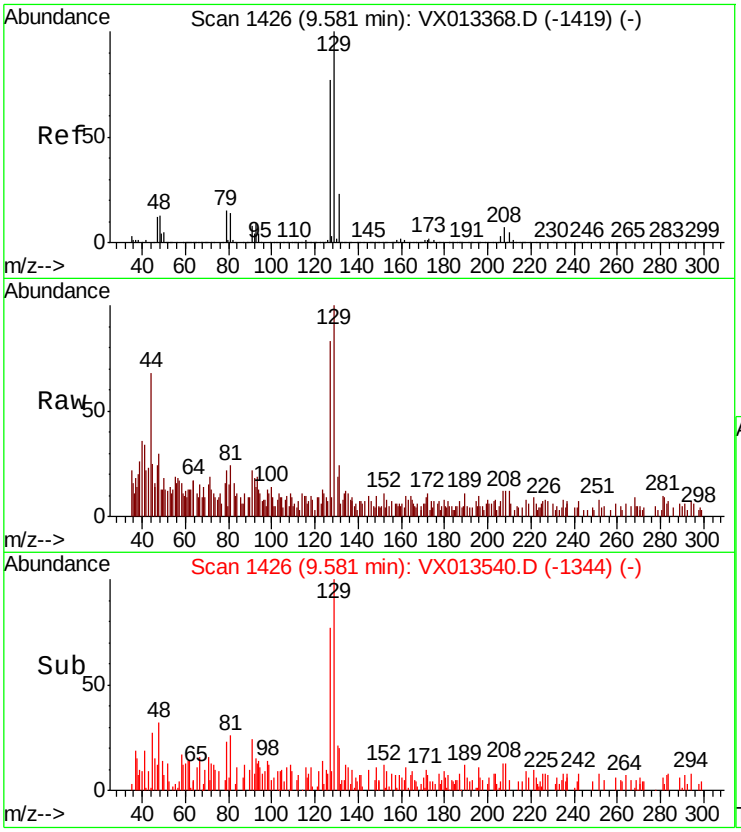


#45
1,4-Dioxane
Concen: 1.528 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Tgt Ion: 88 Resp: 303

Ion	Ratio	Lower	Upper
88	100		
43	31.0	26.1	39.1
58	111.2	55.8	83.8#



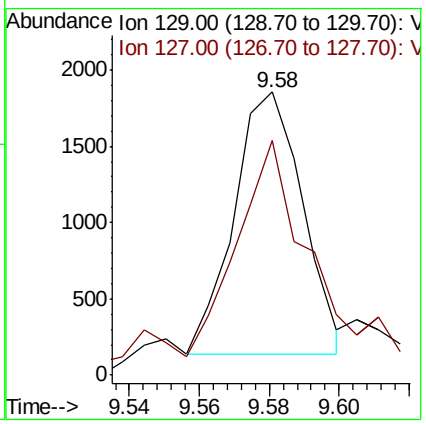


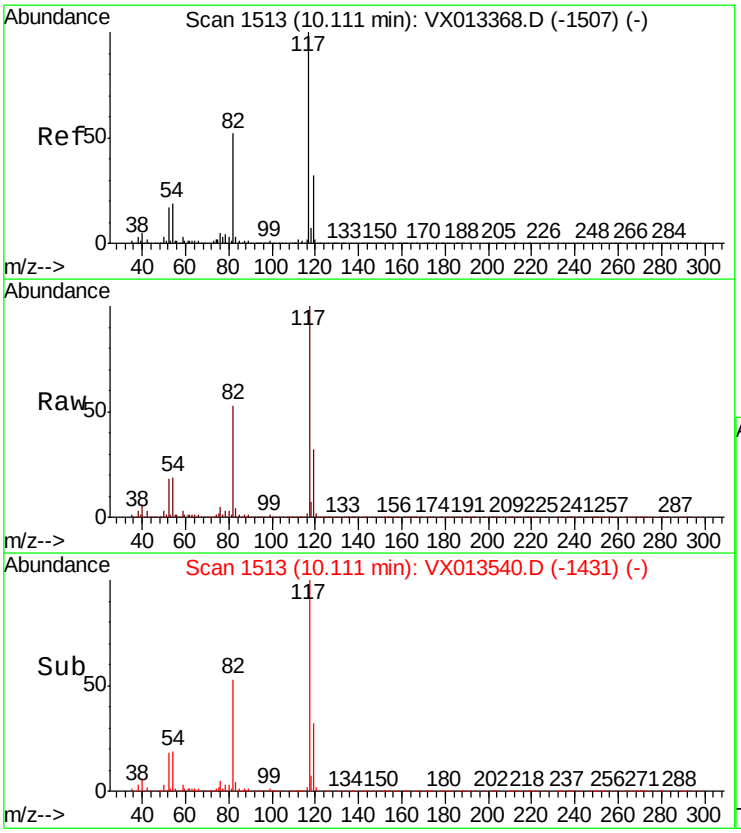
#53
Dibromochloromethane
Concen: 0.309 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
14B-2

Tgt Ion:129 Resp: 2349

Ion	Ratio	Lower	Upper
129	100		
127	81.1	39.6	119.0

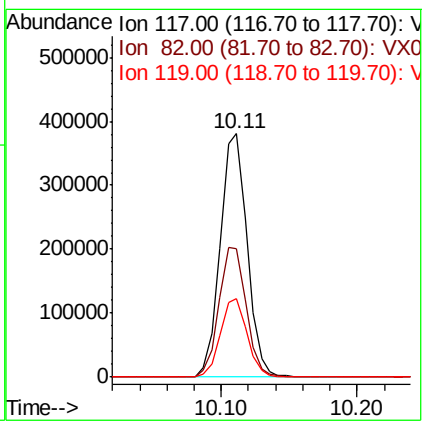


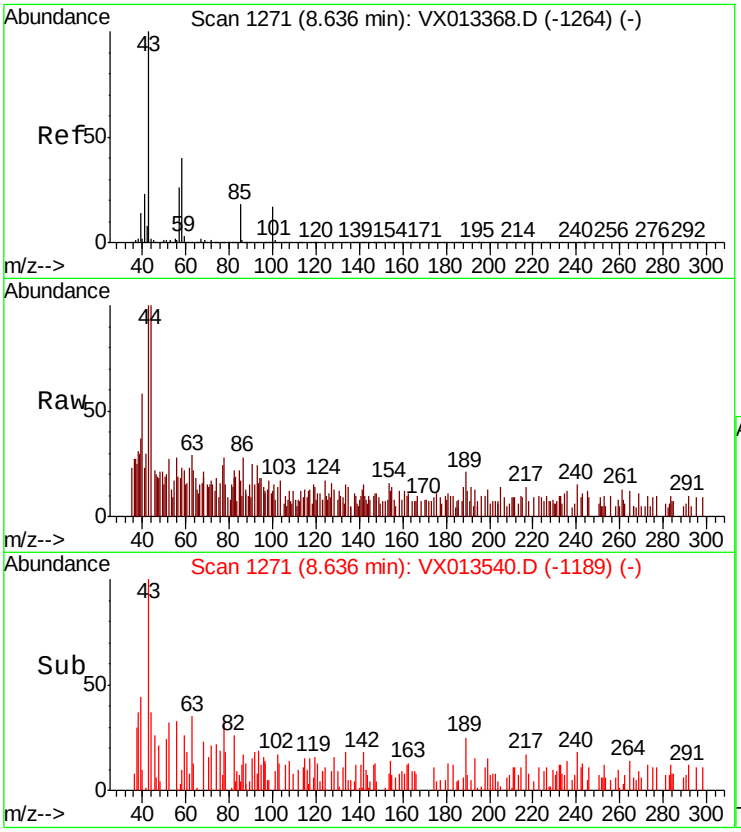


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Tgt Ion:117 Resp: 523107

Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.7	65.5
119	32.0	25.5	38.3



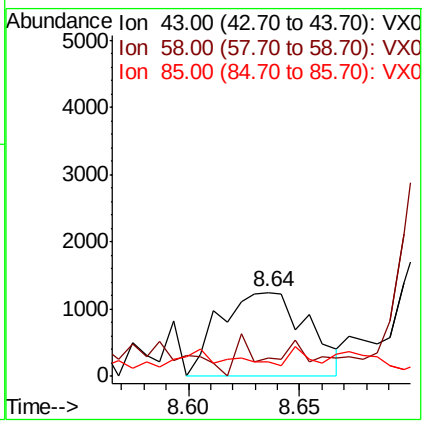


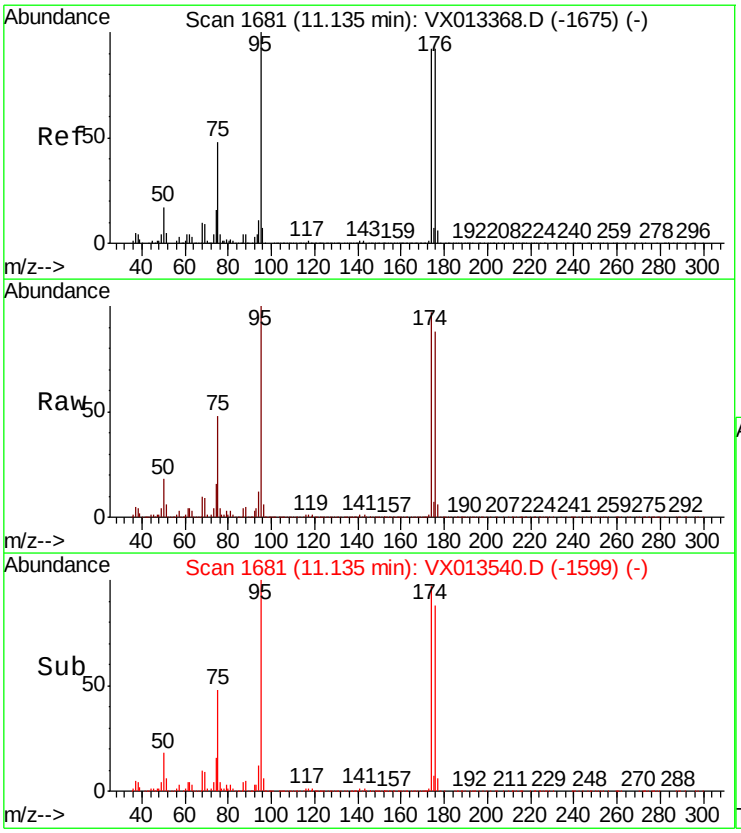
#58
4-Methyl-2-Pentanone
Concen: 0.314 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Instrument : MSVOA_X
ClientSampleId : 14B-2

Tgt Ion: 43 Resp: 3435

Ion	Ratio	Lower	Upper
43	100		
58	4.8	31.6	47.4#
85	6.9	14.2	21.2#

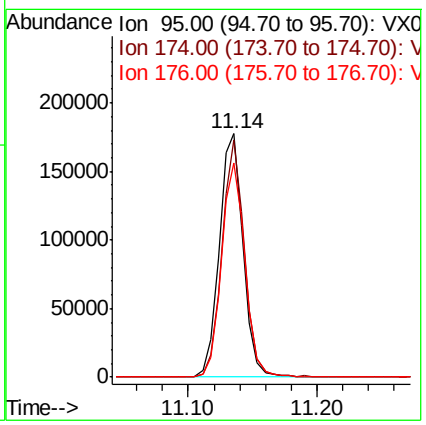


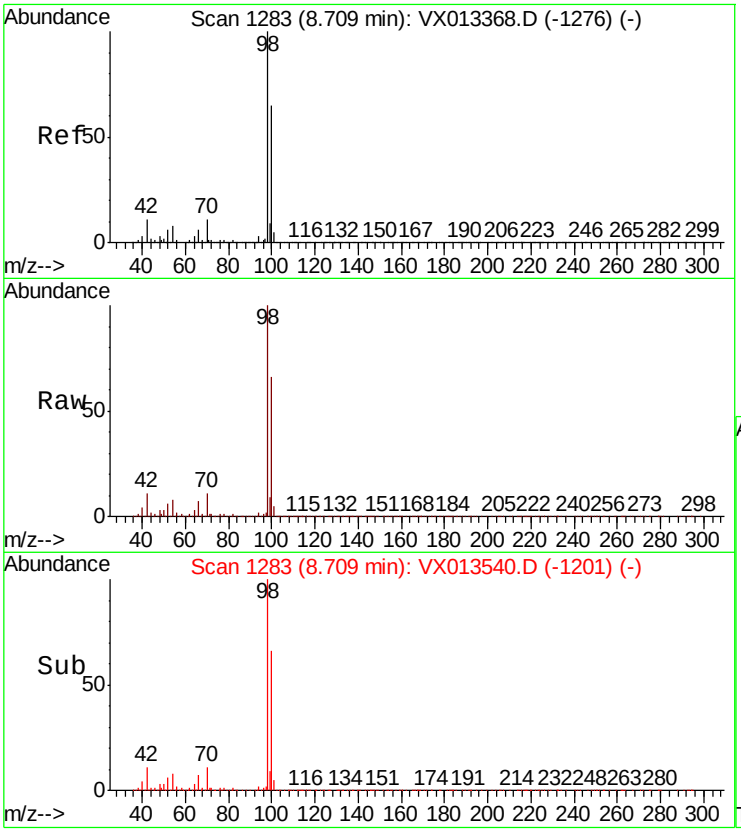


#60
4-Bromofluorobenzene
Concen: 27.335 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Tgt Ion: 95 Resp: 229825

Ion	Ratio	Lower	Upper
95	100		
174	91.4	70.2	105.2
176	87.3	68.3	102.5





#63
Toluene-d8
Concen: 30.339 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013540.D
Acq: 22 Nov 2019 17:55

Tgt Ion: 98 Resp: 717668

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7

Instrument :
MSVOA_X
ClientSampleId :
14B-2