Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022820\
Data File : VX015057.D
Acq On : 28 Feb 2020 12:34
Operator : JC/SP
Sample : L1691-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId :

Quant Time: Feb 28 23:26:32 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	68229	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.85	114	358095	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	329223	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.05	65	142225	29.98	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.93%				
60) 4-Bromofluorobenzene	11.13	95	149174	29.09	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 96.97%				
63) Toluene-d8	8.71	98	428662	29.86	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 99.53%				
Target Compounds							Qvalue
13) Acrolein	2.29	56	2648	2.983	ug/l		95
15) Acetone	2.43	58	13724	19.026	ug/l		95
23) tert-Butyl Alcohol	3.02	59	2550	3.191	ug/l	#	72
24) Methyl tert-Butyl Ether	3.19	73	3135	0.263	ug/l	#	79
30) 2-Butanone	4.67	43	13928	4.764	ug/l	#	92
45) 1,4-Dioxane	7.72	88	227	2.763	ug/l	#	1
51) Ethyl methacrylate	8.72	69	2055	0.340	ug/l		93
58) 4-Methyl-2-Pentanone	8.64	43	55637	10.312	ug/l		98
59) 2-Hexanone	9.49	43	2286	0.542	ug/l	#	75
64) Chlorobenzene	10.14	112	9142	0.849	ug/l		96
67) m/p-Xylenes	10.36	106	1749	0.244	ug/l		83
84) 1,4-Dichlorobenzene	12.10	146	1901	0.216	ug/l		76
87) 1,2-Dichlorobenzene	12.10	146	1858	0.214	ug/l		78

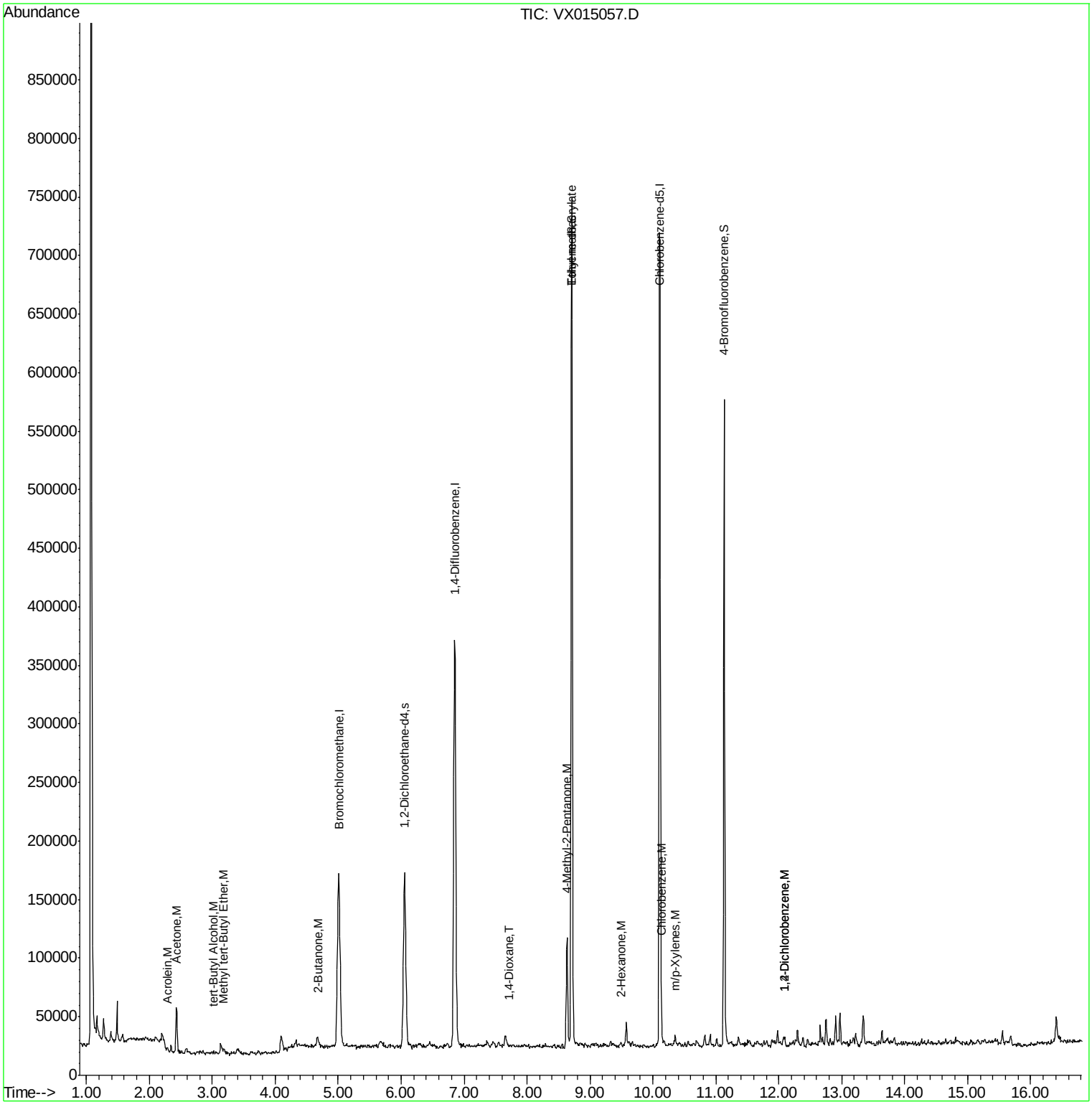
(#) = qualifier out of range (m) = manual integration (+) = signals summed

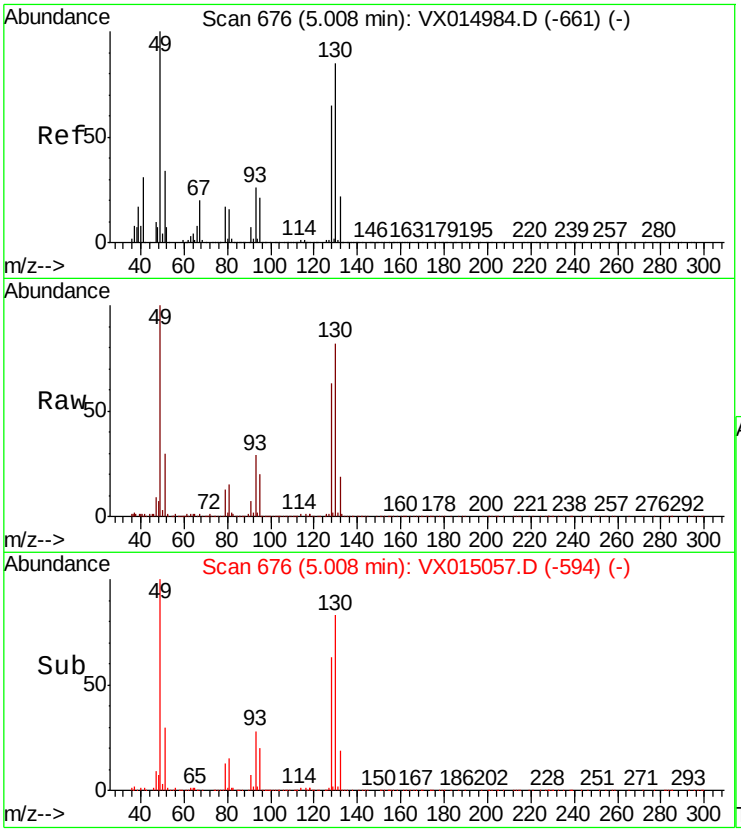
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022820\
Data File : VX015057.D
Acq On : 28 Feb 2020 12:34
Operator : JC/SP
Sample : L1691-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Feb 28 23:26:32 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



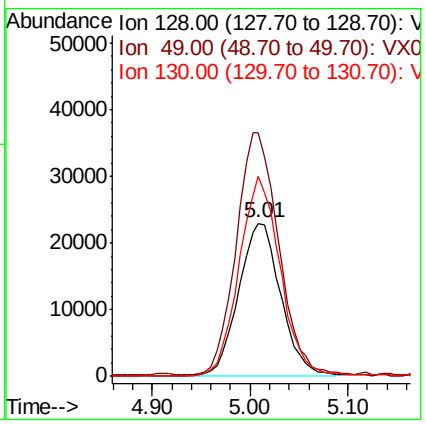


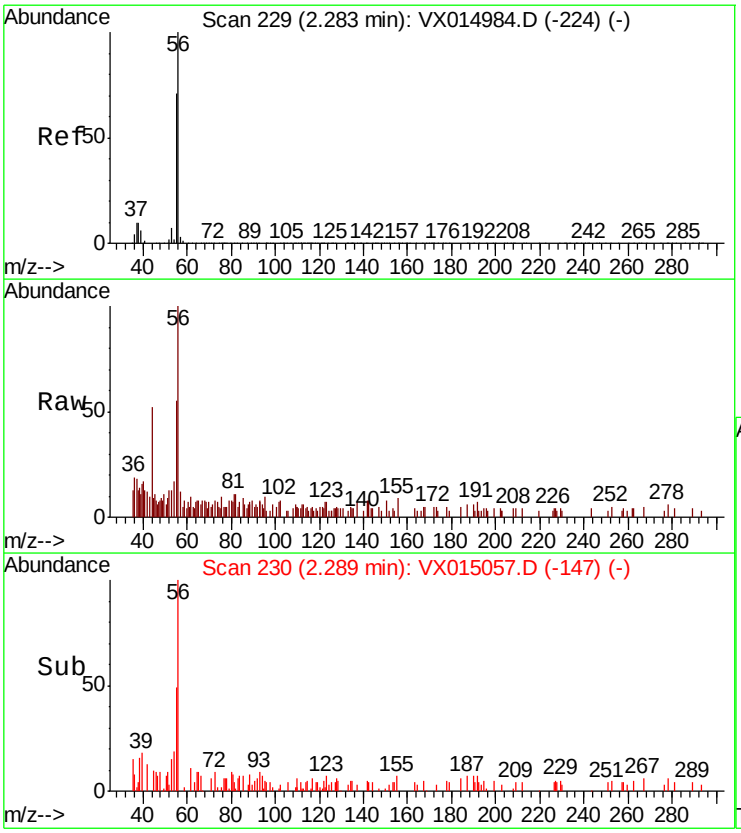
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 68229

Ion	Ratio	Lower	Upper
128	100		
49	162.4	0.0	384.7
130	127.4	0.0	330.8

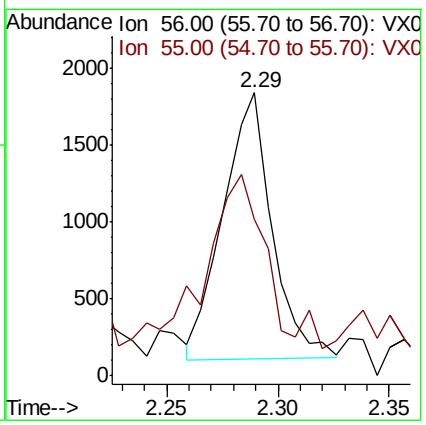


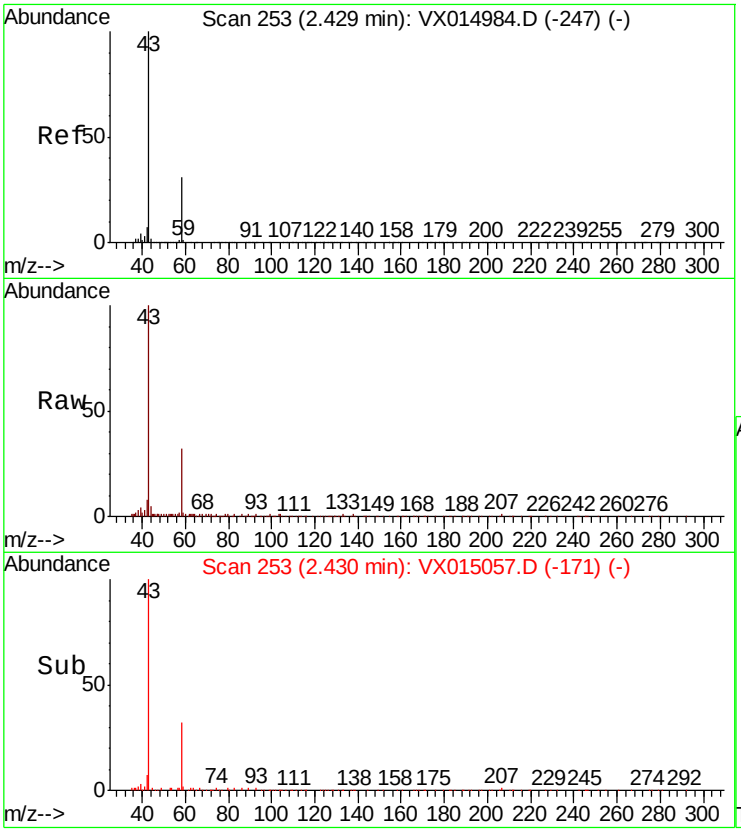


#13
Acrolein
Concen: 2.983 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Tgt Ion: 56 Resp: 2648

Ion	Ratio	Lower	Upper
56	100		
55	66.2	56.2	84.2



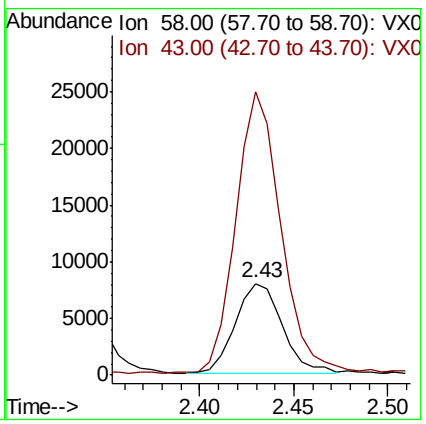


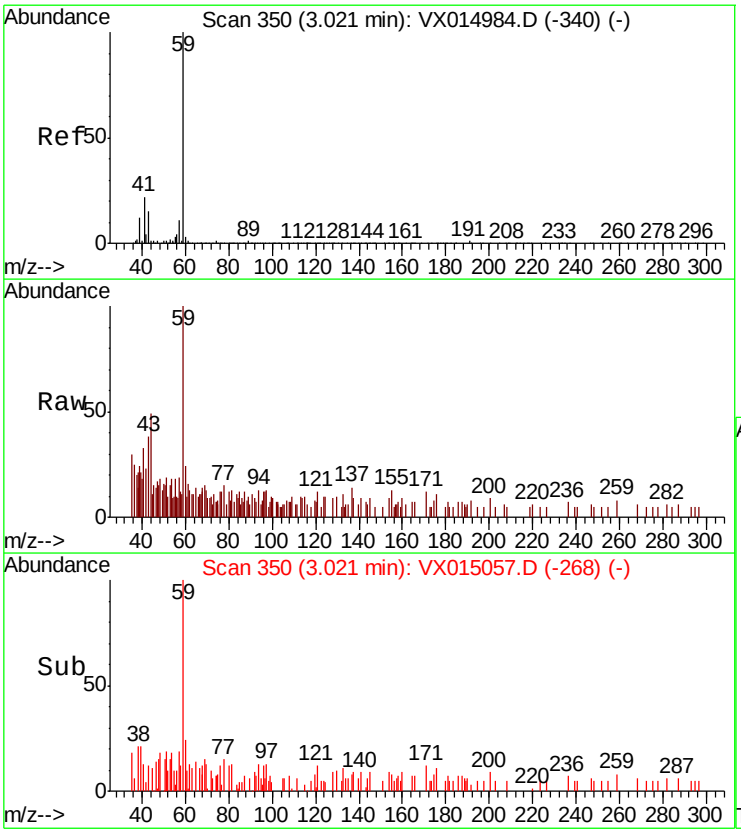
#15
Acetone
Concen: 19.026 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 58 Resp: 13724

Ion	Ratio	Lower	Upper
58	100		
43	312.5	257.7	386.5

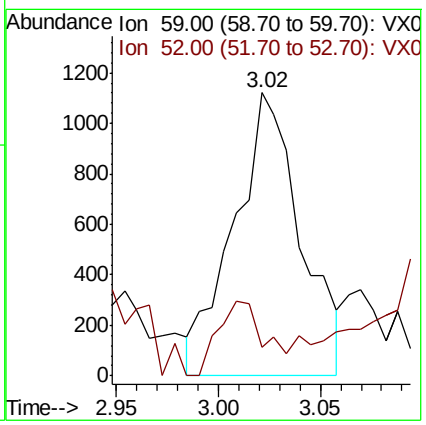


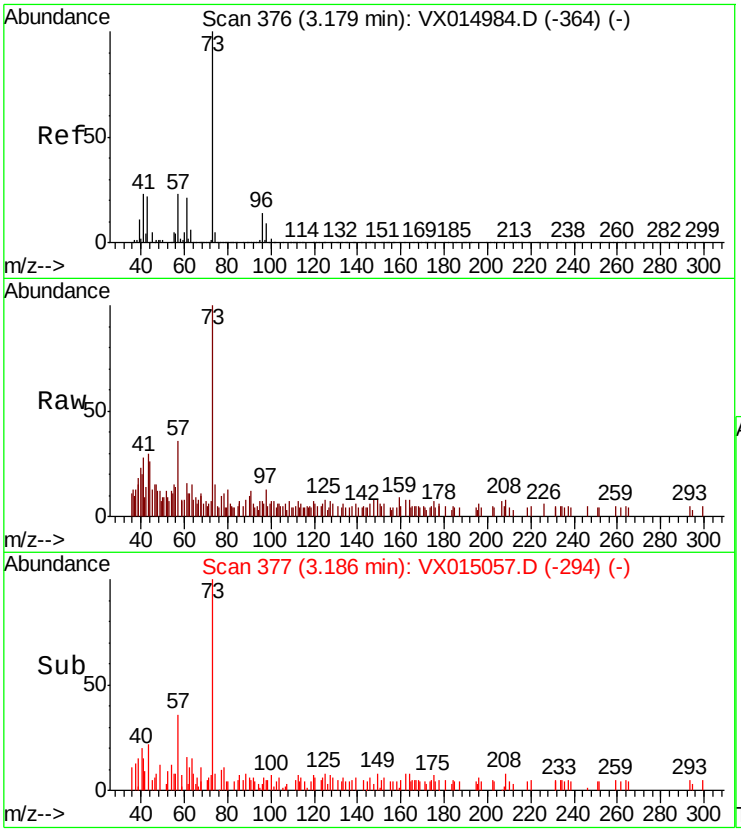


#23
tert-Butyl Alcohol
Concen: 3.191 ug/l
RT: 3.02 min Scan# 350
Delta R.T. 0.00 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Tgt Ion: 59 Resp: 2550

Ion	Ratio	Lower	Upper
59	100		
52	18.7	0.4	0.6#



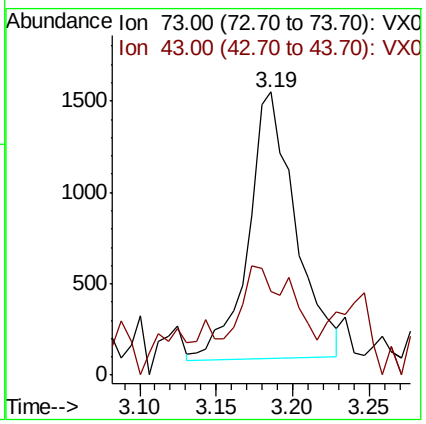


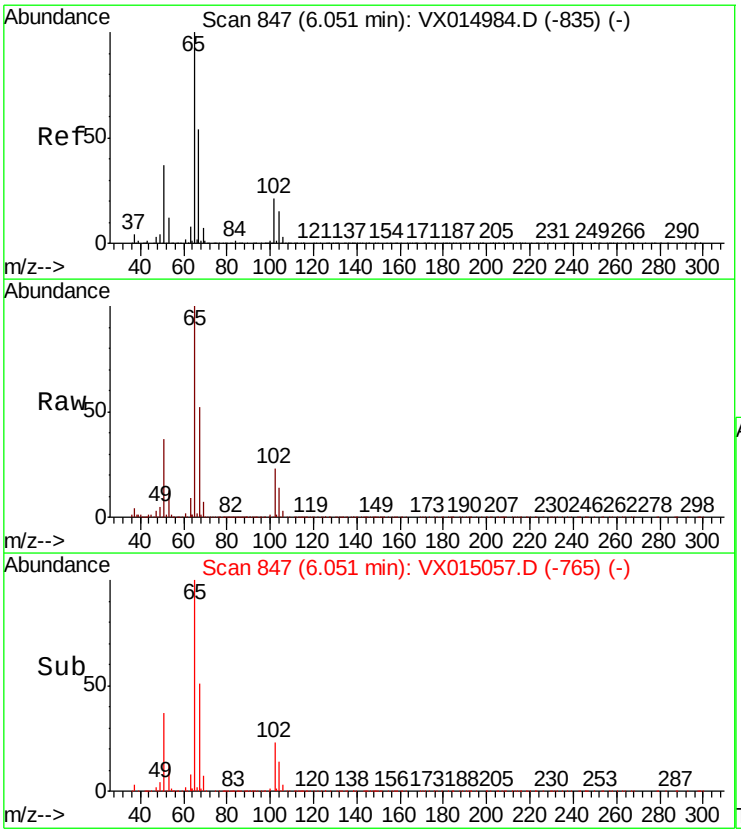
#24
Methyl tert-Butyl Ether
Concen: 0.263 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 73 Resp: 3135

Ion	Ratio	Lower	Upper
73	100		
43	12.2	17.7	26.5#

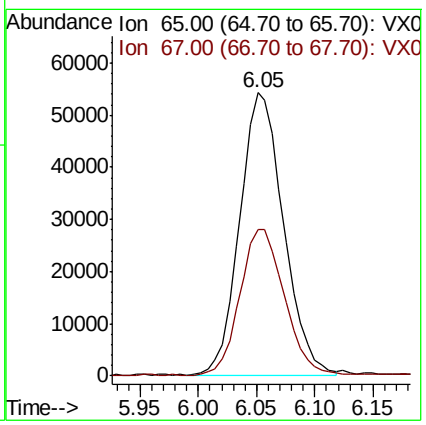


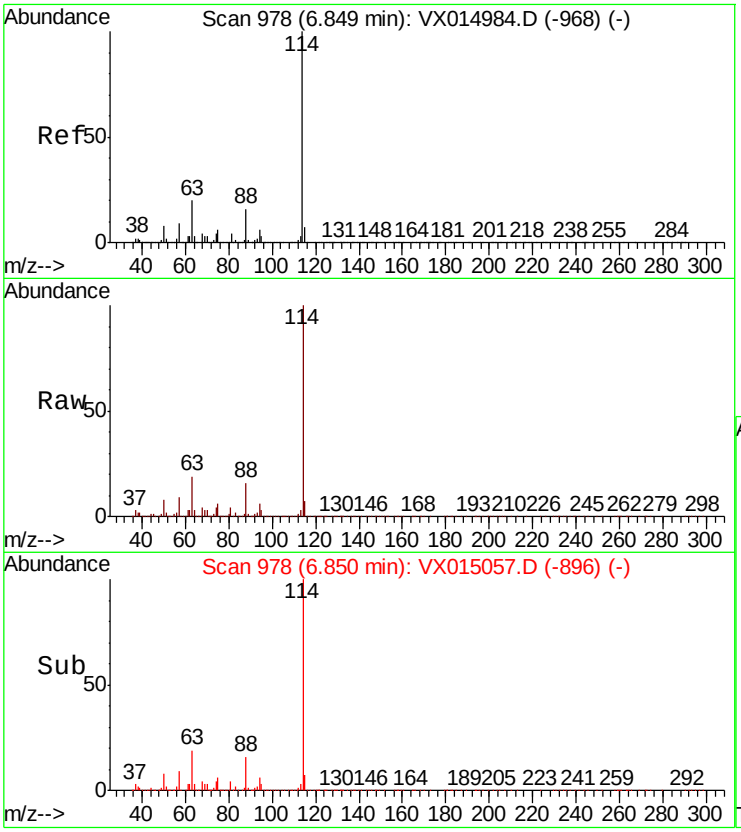


#27
1,2-Dichloroethane-d4
Concen: 29.978 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Tgt Ion: 65 Resp: 142225

Ion	Ratio	Lower	Upper
65	100		
67	52.7	41.9	62.9



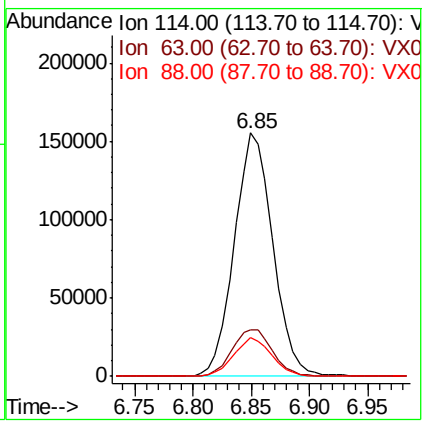


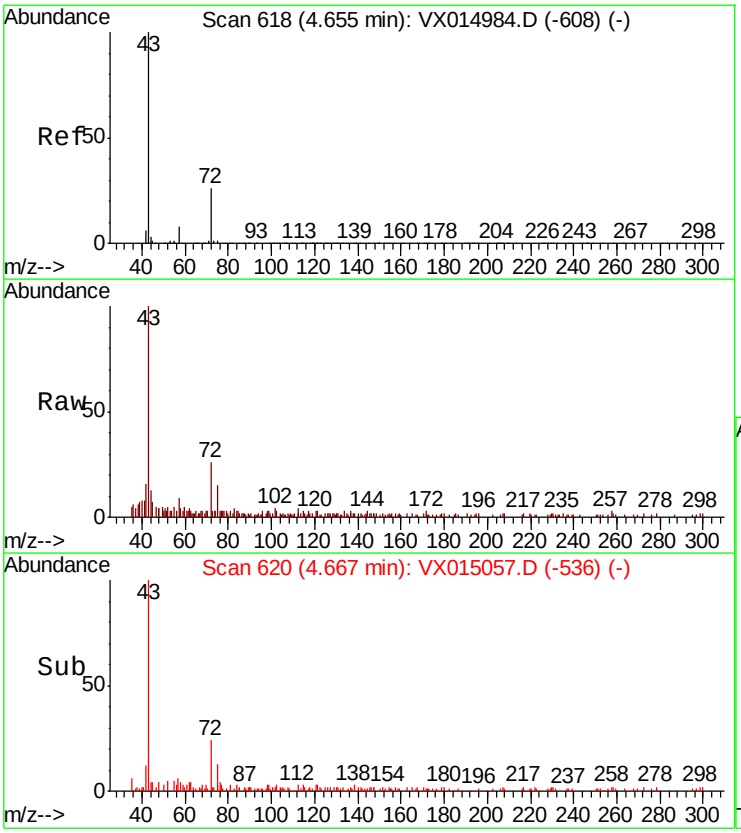
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:114 Resp: 358095

Ion	Ratio	Lower	Upper
114	100		
63	20.2	15.6	23.4
88	15.7	12.2	18.2

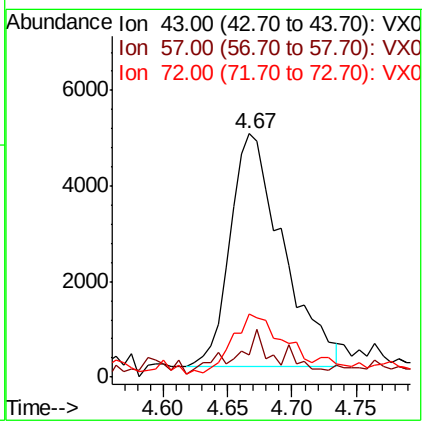


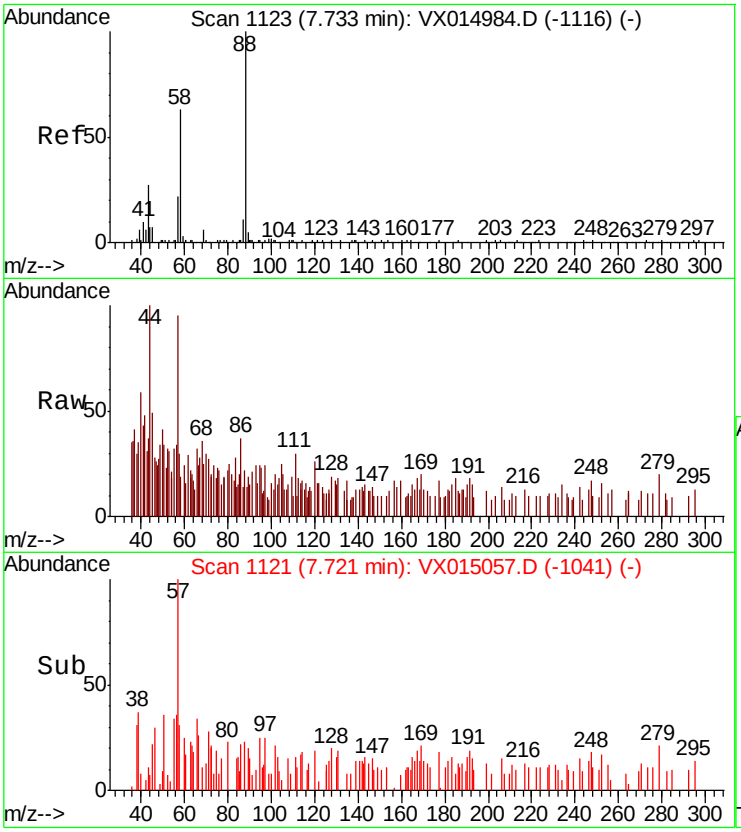


#30
2-Butanone
Concen: 4.764 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Tgt Ion: 43 Resp: 13928

Ion	Ratio	Lower	Upper
43	100		
57	4.0	6.5	9.7#
72	21.8	20.3	30.5



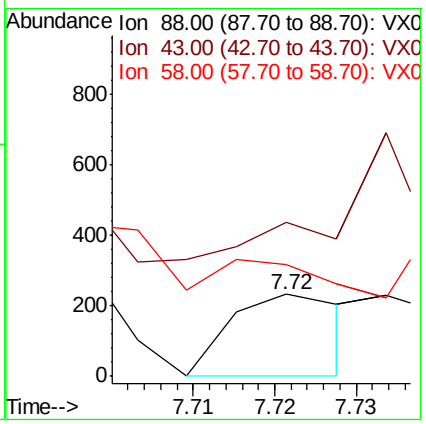


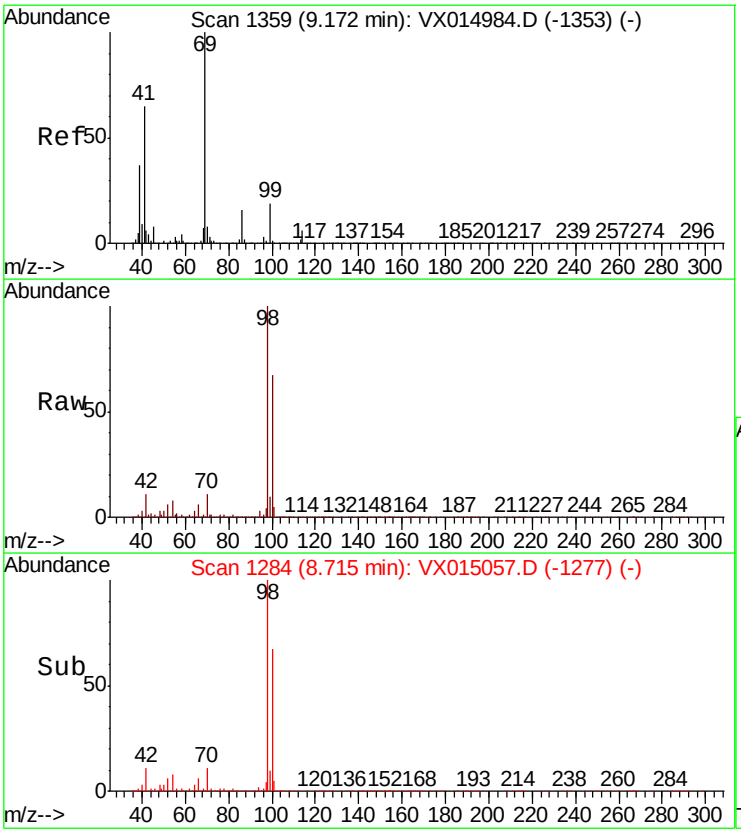
#45
1,4-Dioxane
Concen: 2.763 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 88 Resp: 227

Ion	Ratio	Lower	Upper
88	100		
43	190.3	25.4	38.2#
58	81.5	55.8	83.8

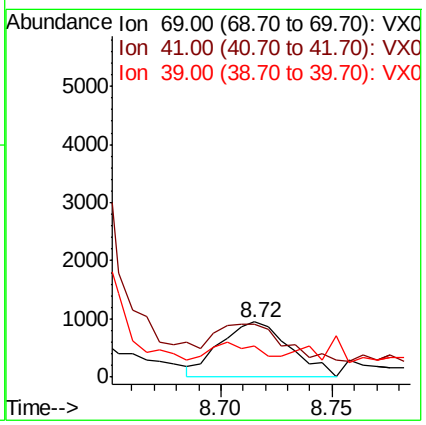


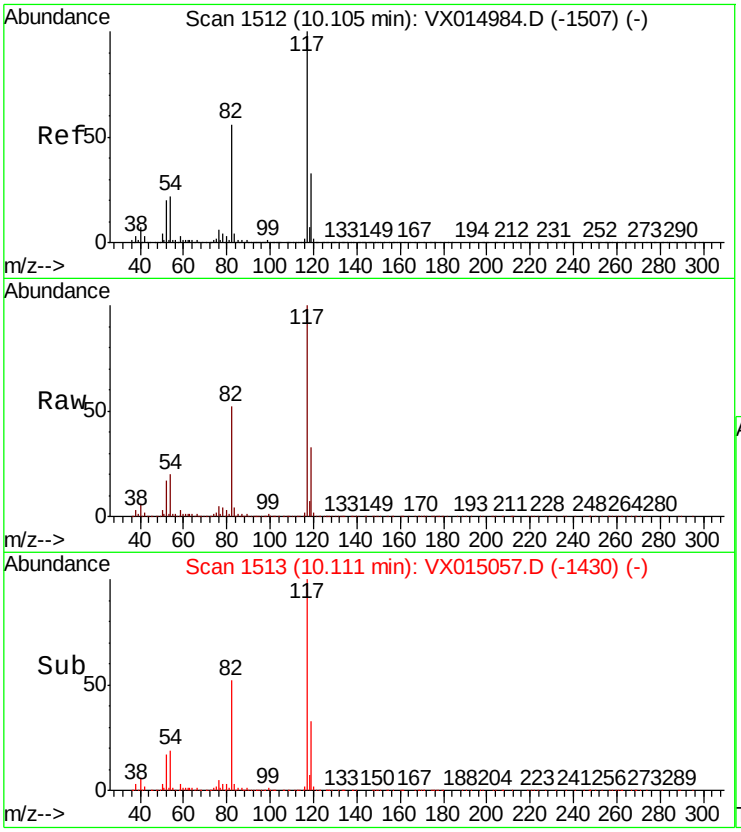


#51
Ethyl methacrylate
Concen: 0.340 ug/l
RT: 8.72 min Scan# 1284
Delta R.T. -0.46 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Tgt Ion: 69 Resp: 2055

Ion	Ratio	Lower	Upper
69	100		
41	66.0	32.7	98.1
39	25.9	18.2	54.6



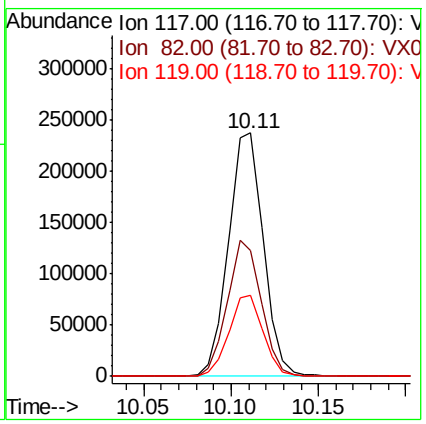


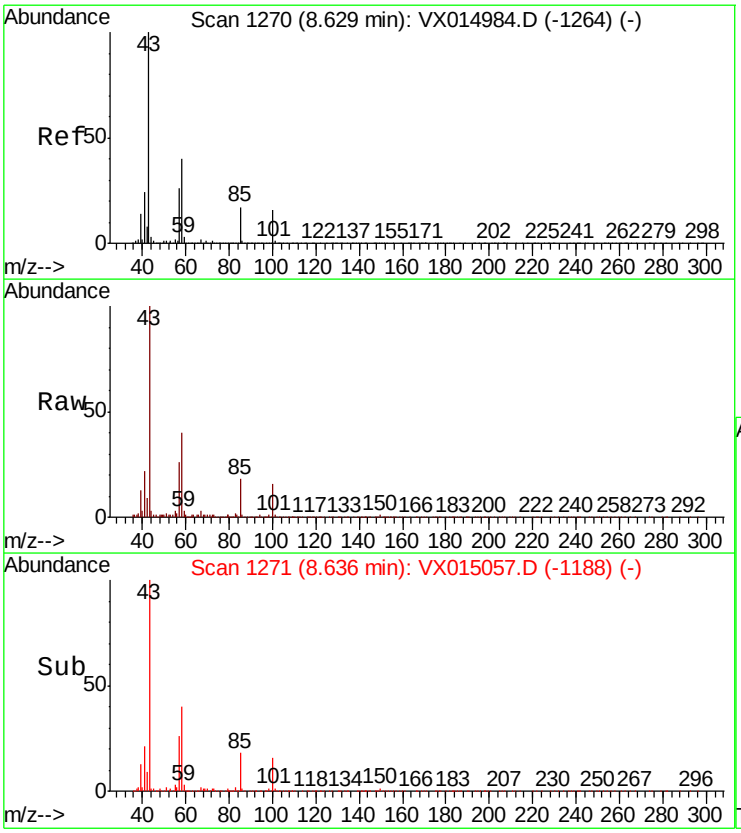
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Instrument : MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 329223

Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.4	65.2
119	32.4	26.0	39.0

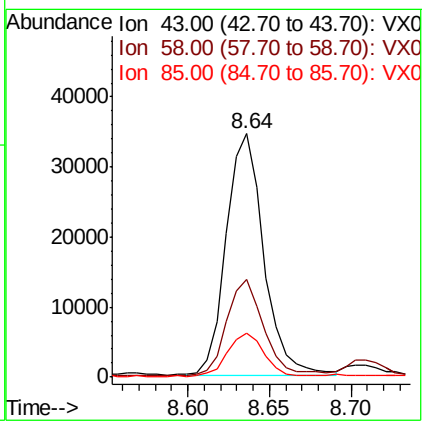


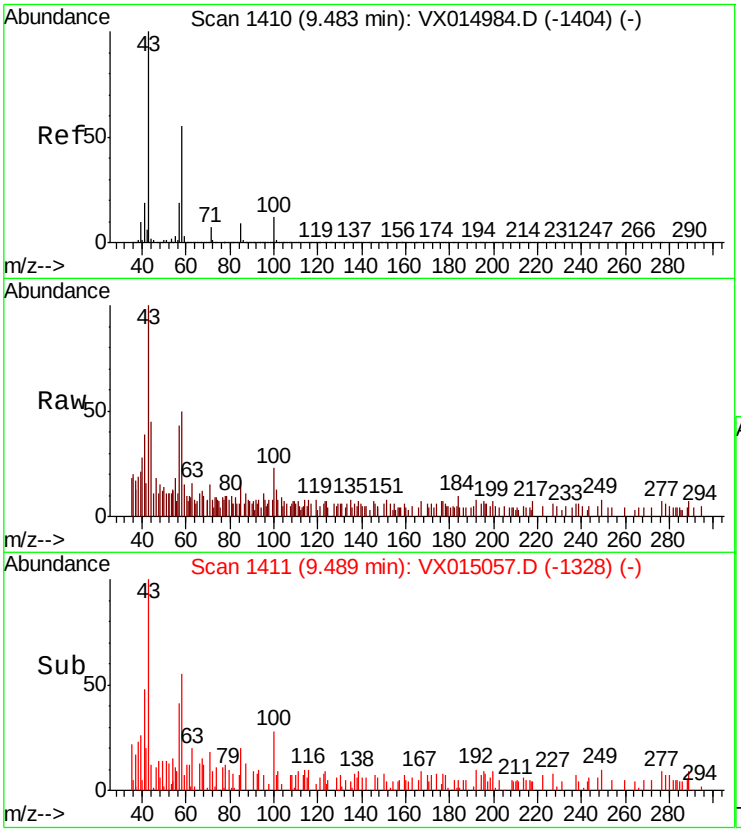


#58
4-Methyl-2-Pentanone
Concen: 10.312 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Tgt Ion: 43 Resp: 55637

Ion	Ratio	Lower	Upper
43	100		
58	38.4	31.7	47.5
85	17.2	14.4	21.6



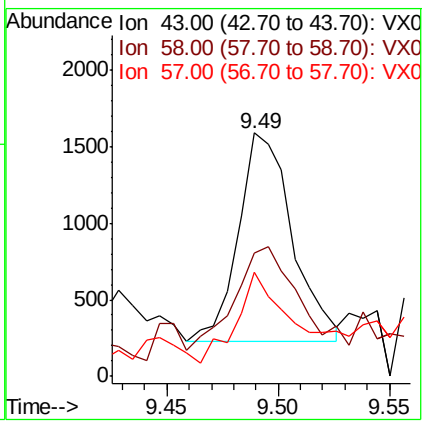


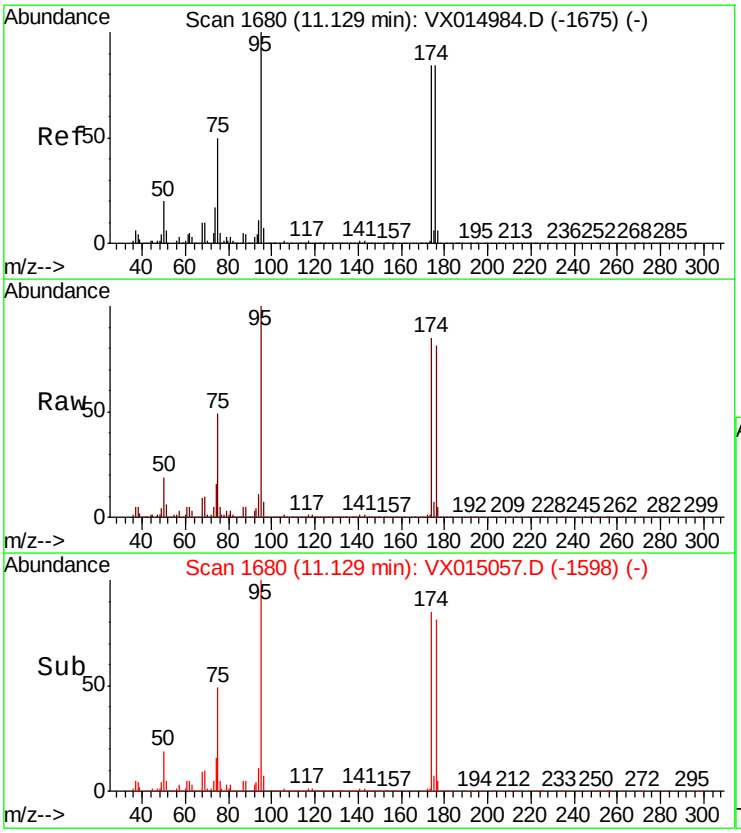
#59
2-Hexanone
Concen: 0.542 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Instrument : MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 2286

Ion	Ratio	Lower	Upper
43	100		
58	68.1	44.1	66.1#
57	39.8	15.3	22.9#

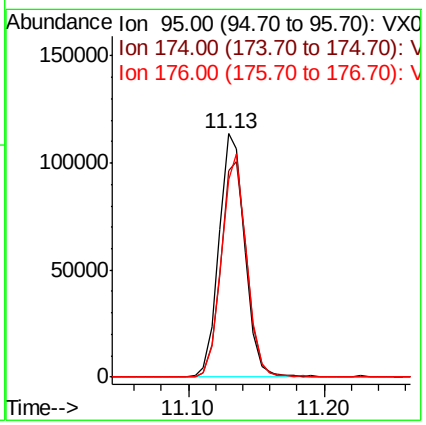


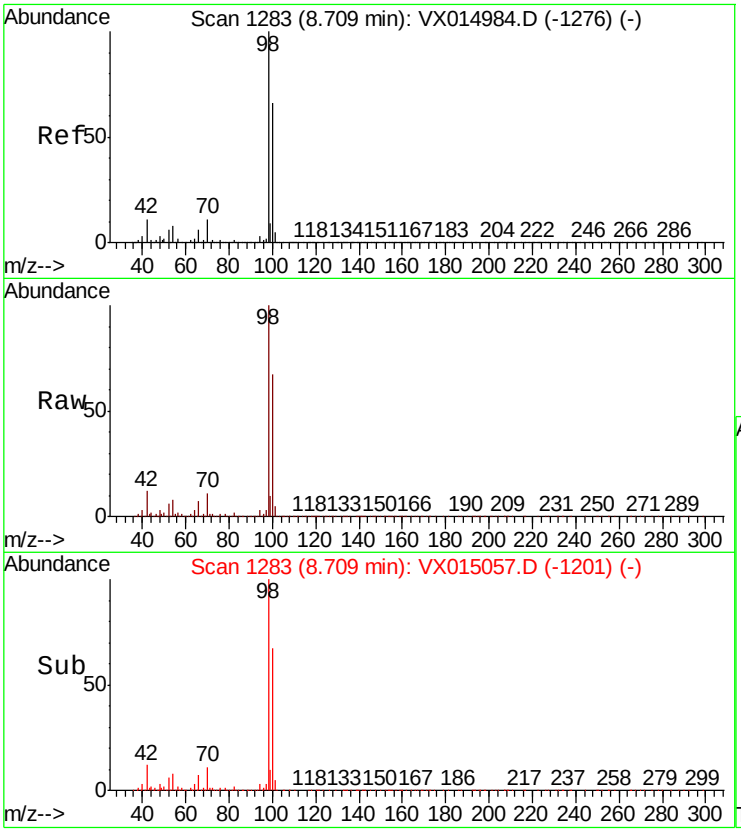


#60
4-Bromofluorobenzene
Concen: 29.092 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Tgt Ion: 95 Resp: 149174

Ion	Ratio	Lower	Upper
95	100		
174	88.0	72.3	108.5
176	88.5	72.0	108.0



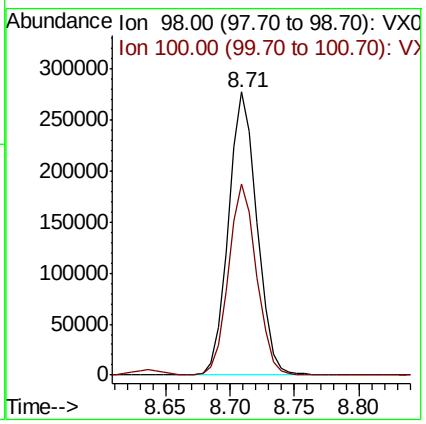


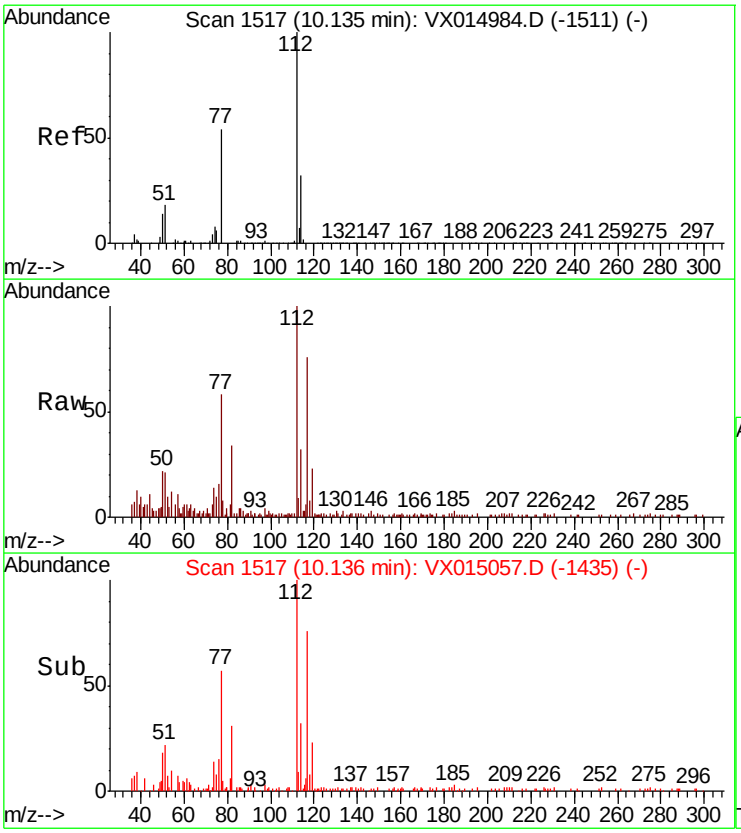
#63
Toluene-d8
Concen: 29.858 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 428662

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.8	79.2

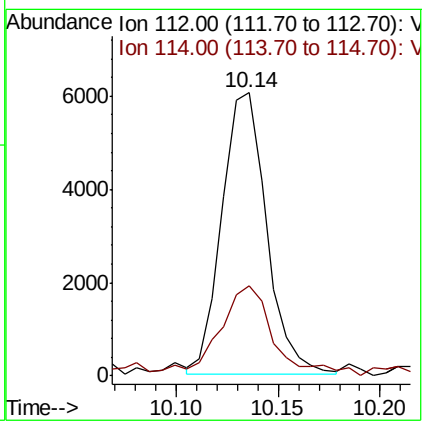


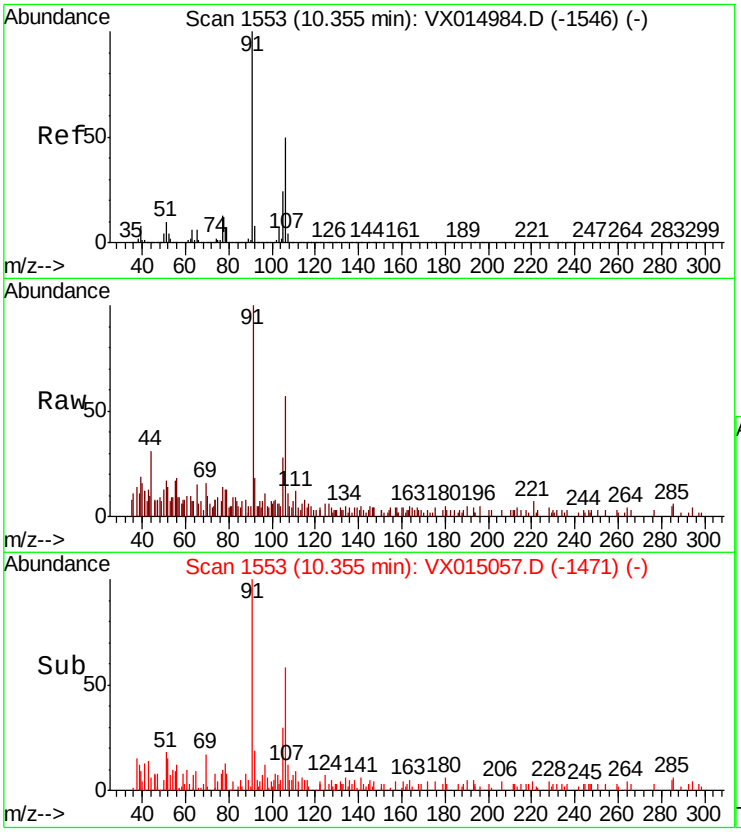


#64
Chlorobenzene
Concen: 0.849 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Tgt Ion:112 Resp: 9142

Ion	Ratio	Lower	Upper
112	100		
114	29.7	25.8	38.6



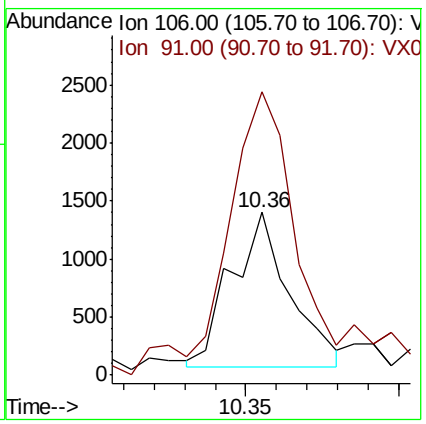


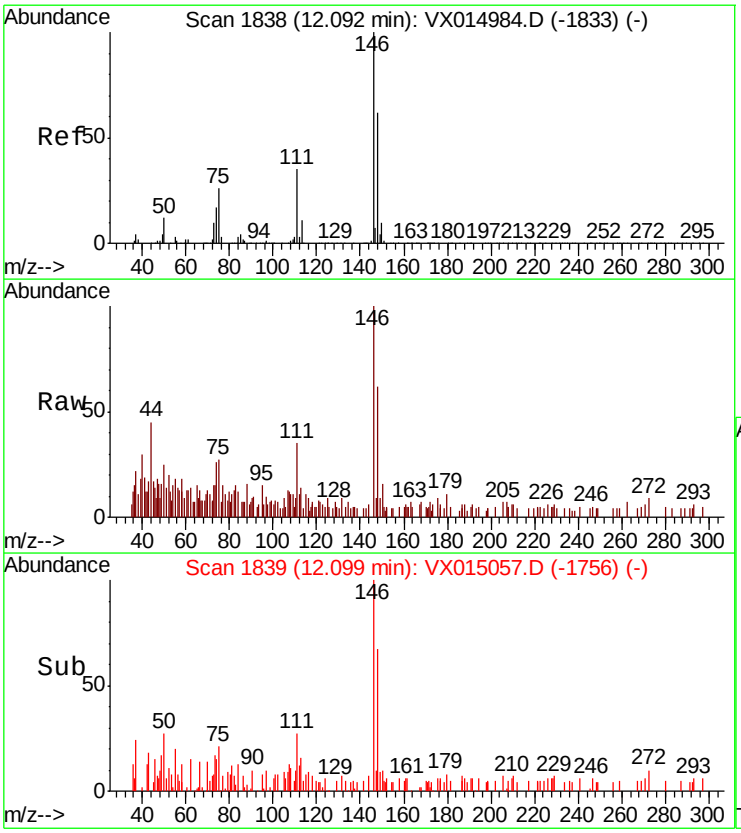
#67
m/p-Xylenes
Concen: 0.244 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:106 Resp: 1749

Ion	Ratio	Lower	Upper
106	100		
91	174.6	160.4	240.6

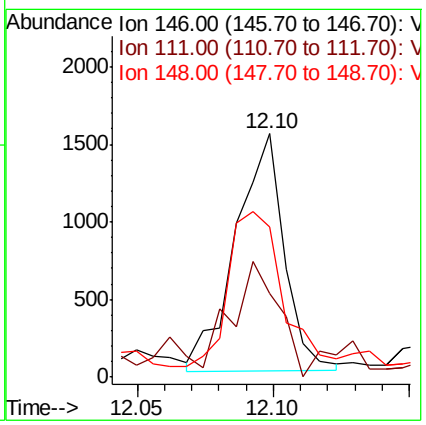


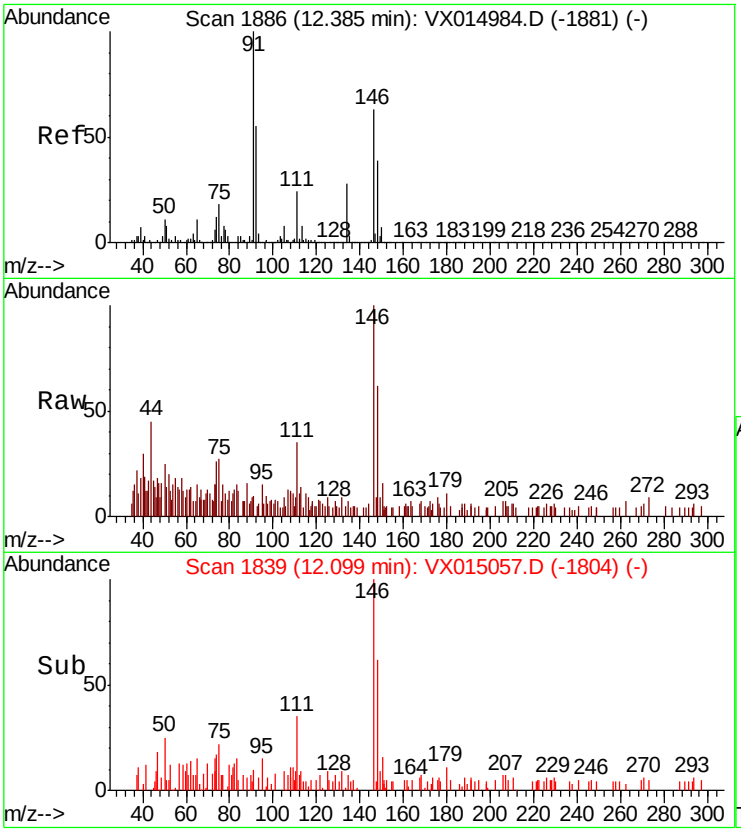


#84
1,4-Dichlorobenzene
Concen: 0.216 ug/l
RT: 12.10 min Scan# 1839
Delta R.T. 0.01 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Tgt Ion:146 Resp: 1901

Ion	Ratio	Lower	Upper
146	100		
111	46.9	17.8	53.5
148	83.2	31.4	94.2





#87
1,2-Dichlorobenzene
Concen: 0.214 ug/l
RT: 12.10 min Scan# 1839
Delta R.T. -0.29 min
Lab File: VX015057.D
Acq: 28 Feb 2020 12:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:146 Resp: 1858

Ion	Ratio	Lower	Upper
146	100		
111	48.0	19.7	59.1
148	85.1	32.0	96.0