

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022820\
 Data File : VX015058.D
 Acq On : 28 Feb 2020 12:56
 Operator : JC/SP
 Sample : L1691-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 28 23:26:49 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	67527	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	358263	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	332152	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	142276	30.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.00%
60) 4-Bromofluorobenzene	11.13	95	145188	28.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.57%
63) Toluene-d8	8.71	98	428208	29.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.53%

Target Compounds

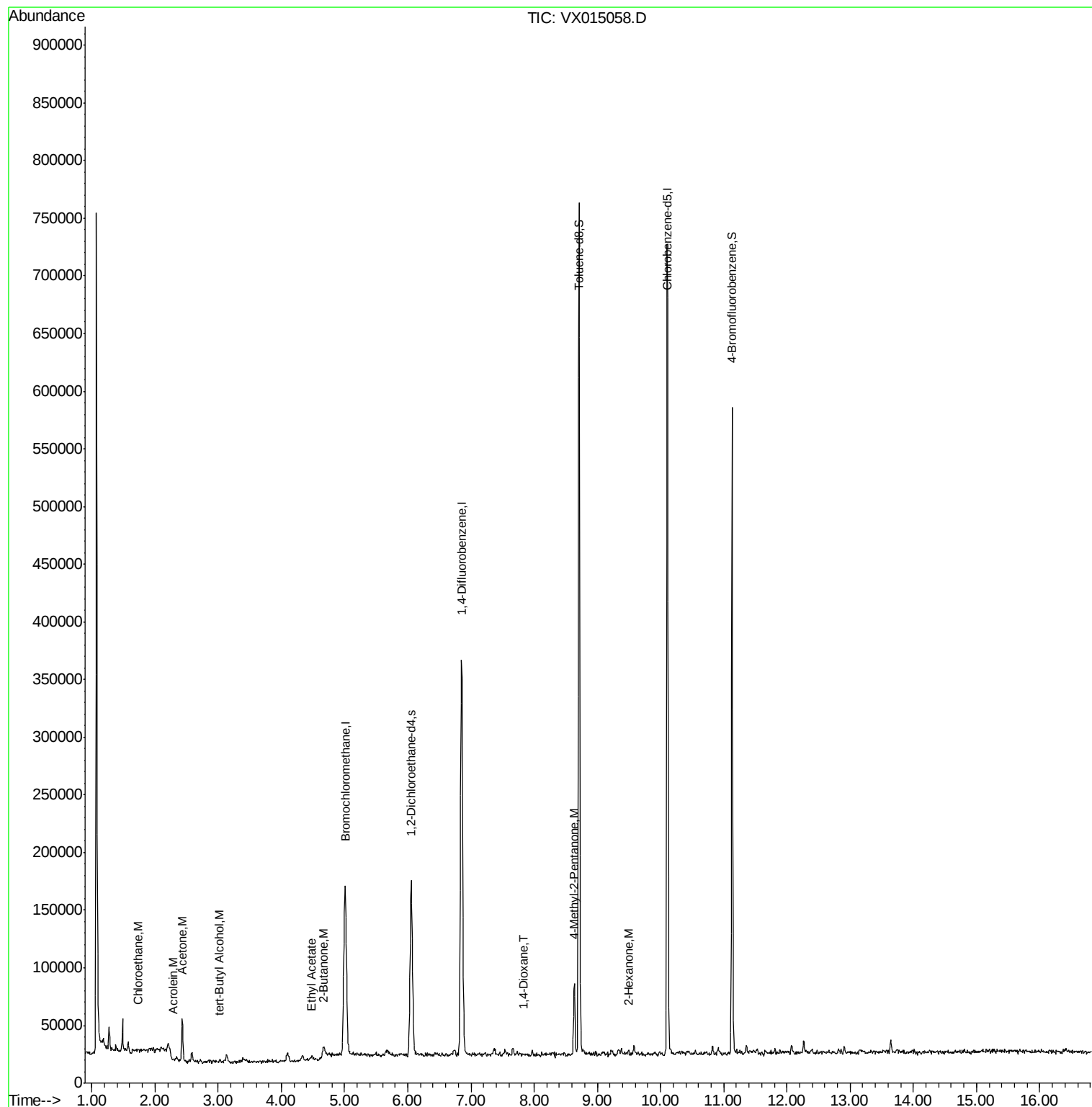
					Ovalue
6) Chloroethane	1.73	64	599	0.213 ug/l	97
13) Acrolein	2.28	56	1116	1.270 ug/l	86
15) Acetone	2.43	58	12453	17.443 ug/l	94
23) tert-Butyl Alcohol	3.01	59	697	0.881 ug/l #	23
30) 2-Butanone	4.67	43	15850	5.419 ug/l #	84
43) Ethyl Acetate	4.48	43	1527	0.289 ug/l	96
45) 1,4-Dioxane	7.84	88	178	2.165 ug/l	92
58) 4-Methyl-2-Pentanone	8.64	43	39967	7.342 ug/l	96
59) 2-Hexanone	9.49	43	2677	0.629 ug/l #	81

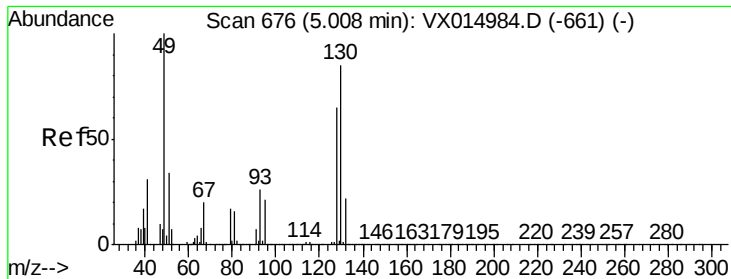
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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



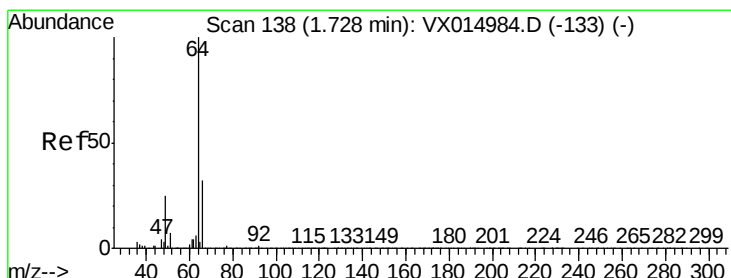
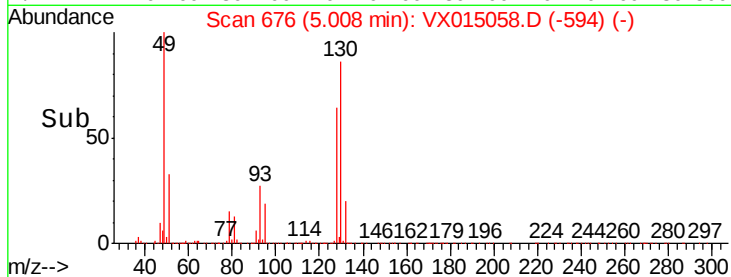
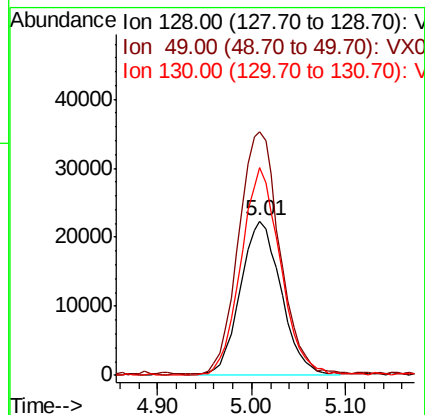
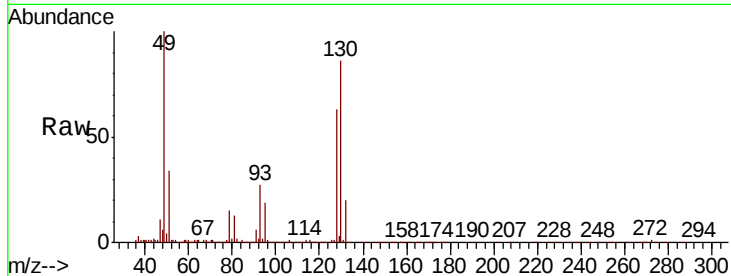


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VX015058.D
 Acq: 28 Feb 2020 12:56

Instrument :
 MSVOA_X
 ClientSampleId :

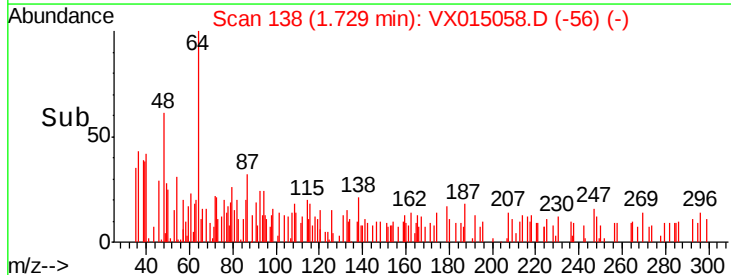
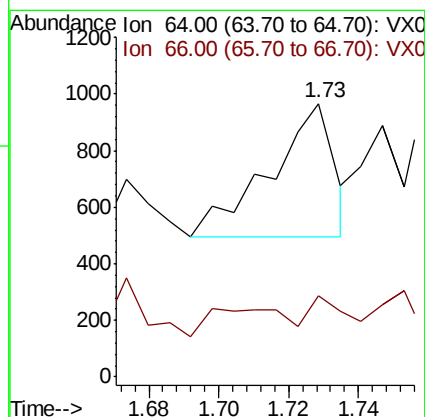
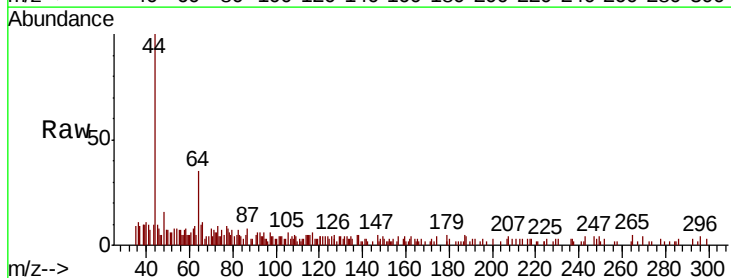
Tot Ion:128 Resp: 67527
 Ion Ratio Lower Upper
 128 100
 49 159.0 0.0 384.7
 130 130.7 0.0 330.8

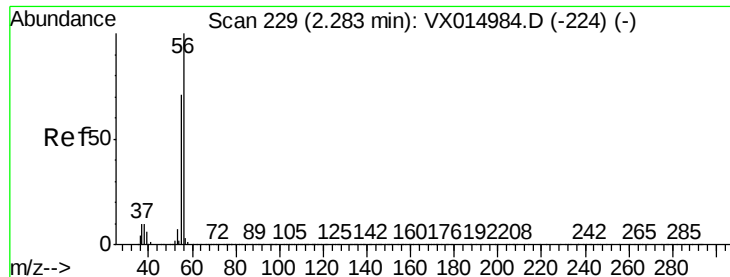


#6

Chloroethane
 Concen: 0.213 ug/l
 RT: 1.73 min Scan# 138
 Delta R.T. 0.00 min
 Lab File: VX015058.D
 Acq: 28 Feb 2020 12:56

Tgt Ion: 64 Resp: 599
 Ion Ratio Lower Upper
 64 100
 66 30.6 25.8 38.6

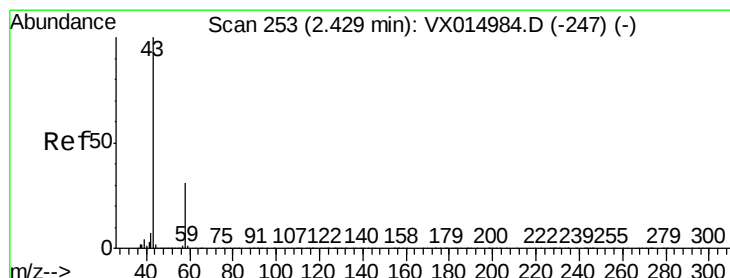
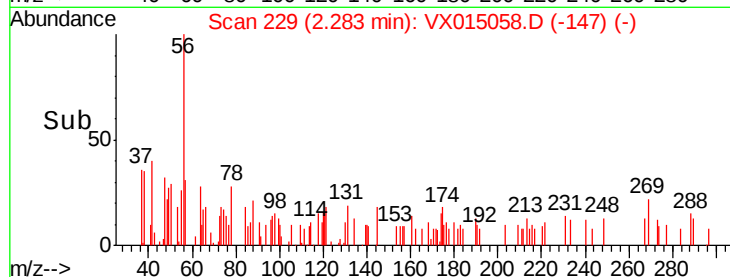
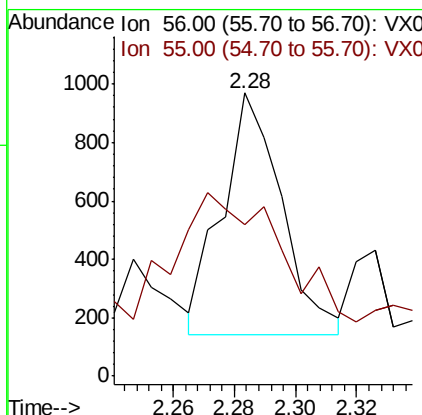
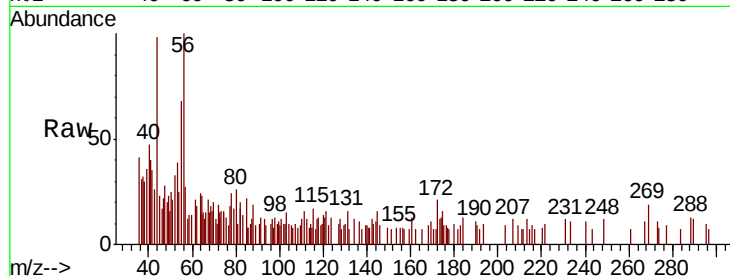




#13
Acrolein
Concen: 1.270 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

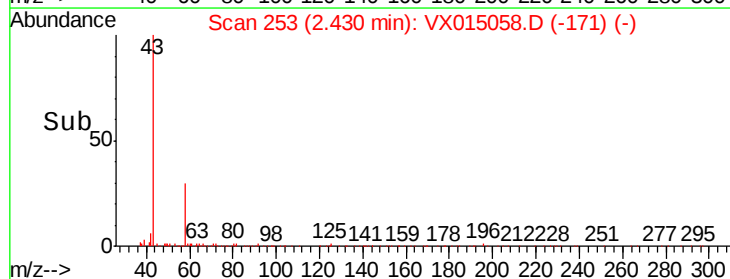
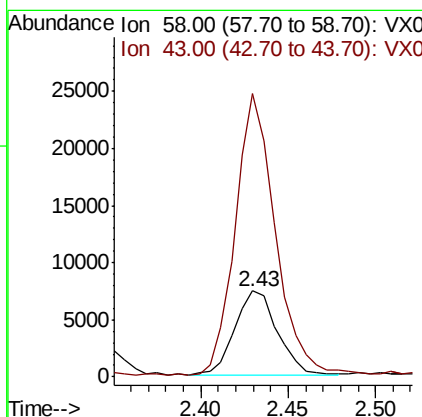
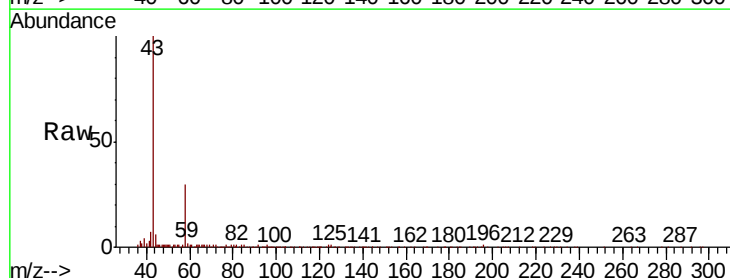
Instrument :
MSVOA_X
ClientSampleID :

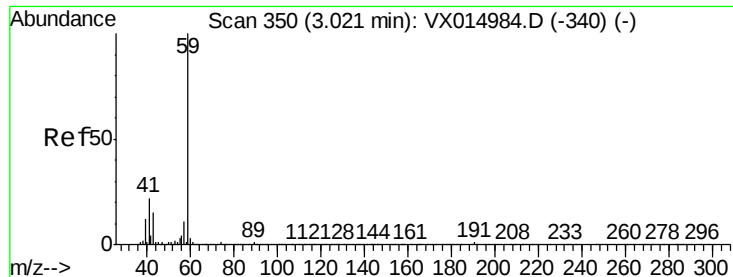
Tot Ion: 56 Resp: 1116
Ion Ratio Lower Upper
56 100
55 58.9 56.2 84.2



#15
Acetone
Concen: 17.443 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

Tgt Ion: 58 Resp: 12453
Ion Ratio Lower Upper
58 100
43 333.7 257.7 386.5



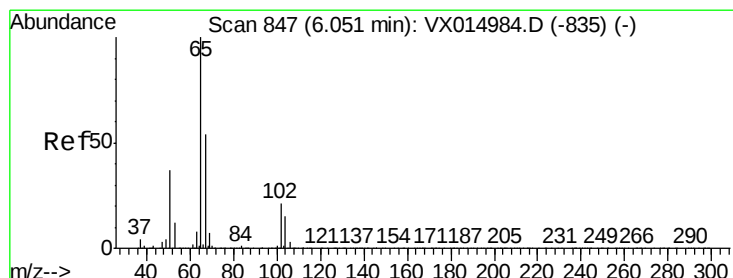
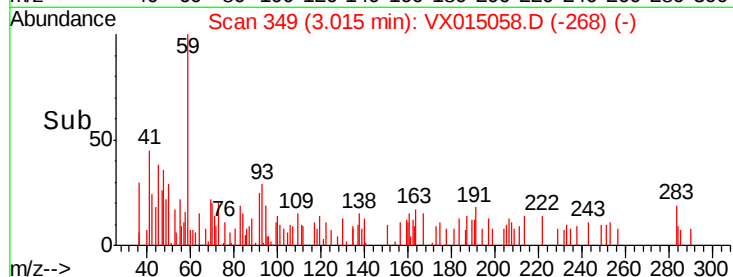
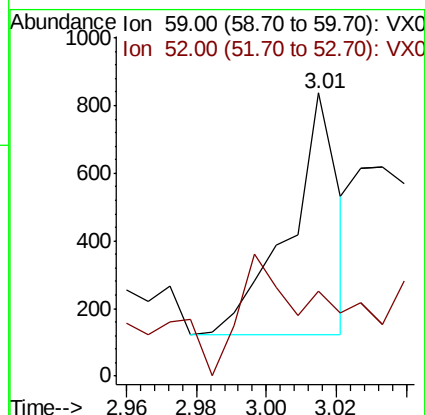
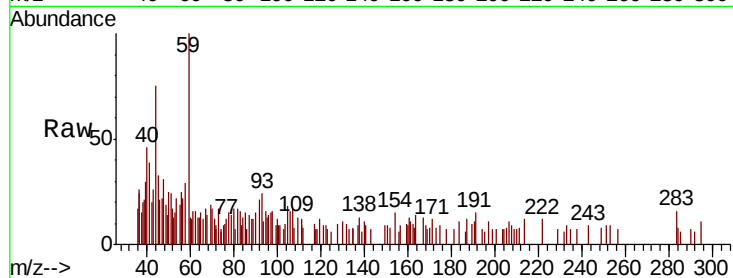


#23

tert-Butyl Alcohol
Concen: 0.881 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

Instrument :
MSVOA_X
ClientSampled :

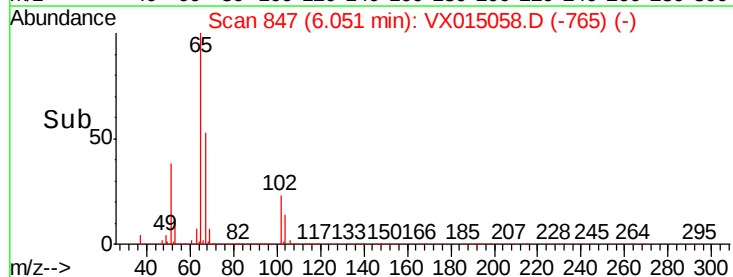
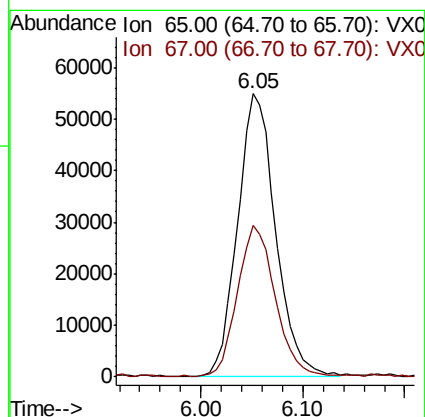
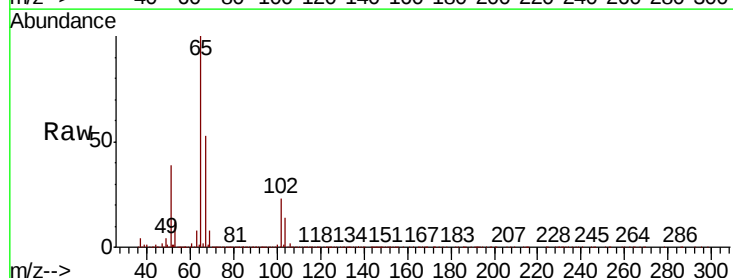
Tot Ion: 59 Resp: 697
Ion Ratio Lower Upper
59 100
52 50.2 0.4 0.6#

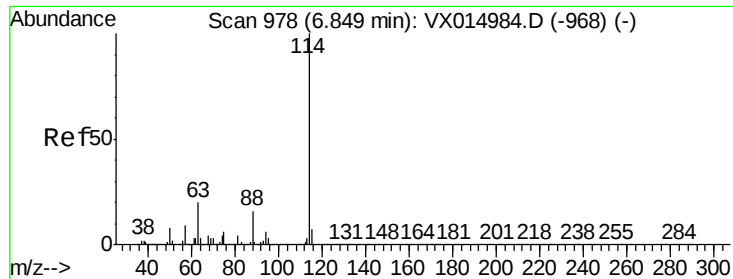


#27

1,2-Dichloroethane-d4
Concen: 30.300 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

Tgt Ion: 65 Resp: 142276
Ion Ratio Lower Upper
65 100
67 52.3 41.9 62.9

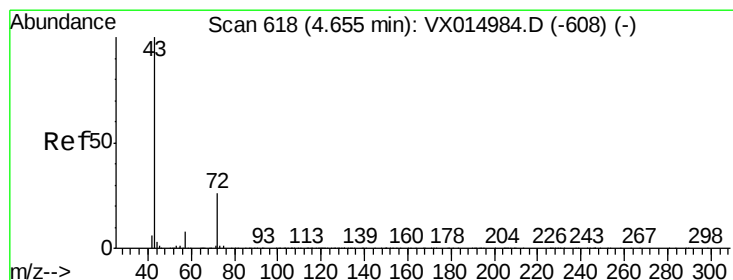
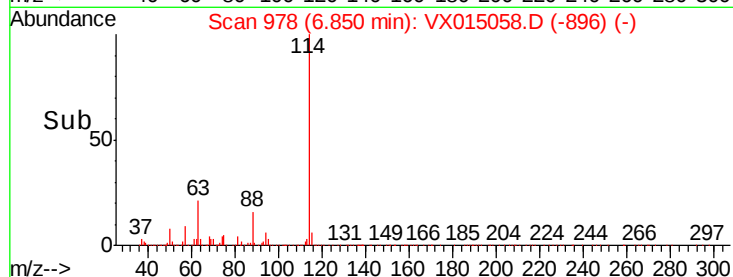
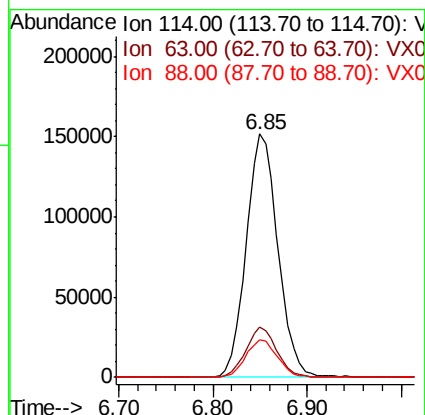
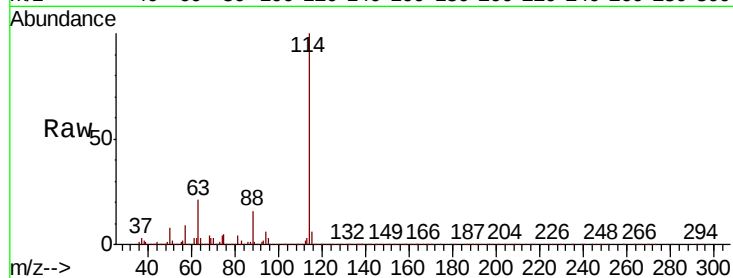




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015058.D
 Acq: 28 Feb 2020 12:56

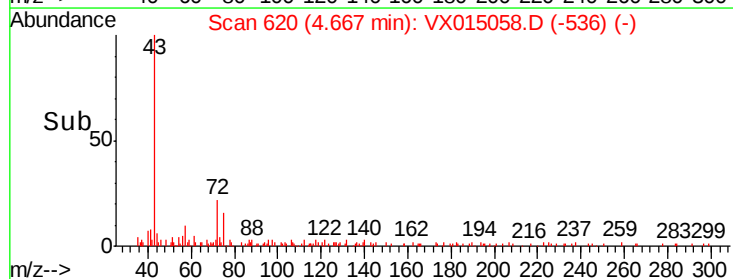
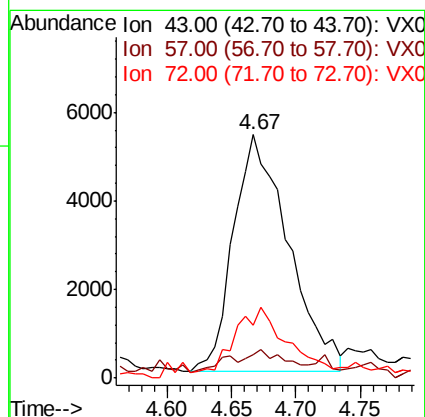
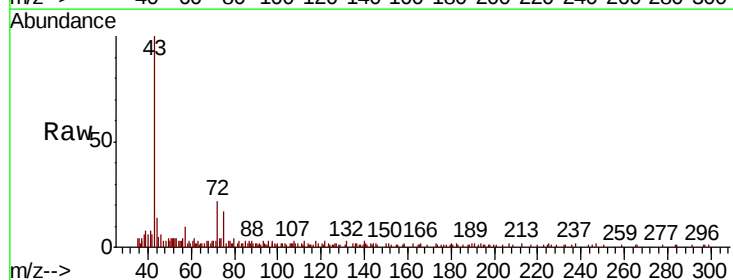
Instrument :
 MSVOA_X
 ClientSampleId :

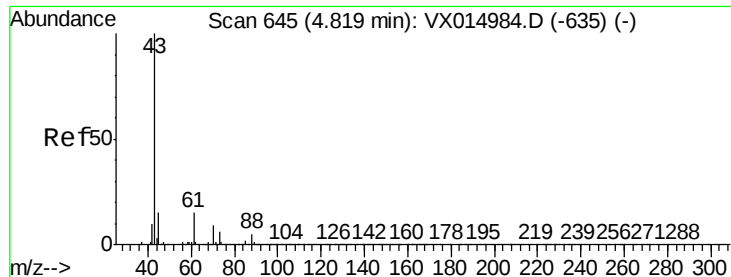
Tot Ion:	114	Resp:	358263
Ion	Ratio	Lower	Upper
114	100		
63	20.0	15.6	23.4
88	15.4	12.2	18.2



#30
 2-Butanone
 Concen: 5.419 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VX015058.D
 Acq: 28 Feb 2020 12:56

Tgt Ion:	43	Resp:	15850
Ion	Ratio	Lower	Upper
43	100		
57	5.9	6.5	9.7#
72	15.8	20.3	30.5#

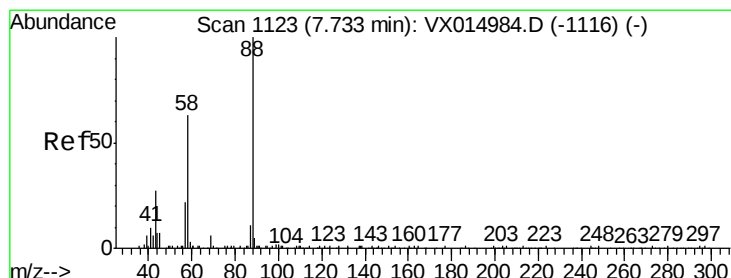
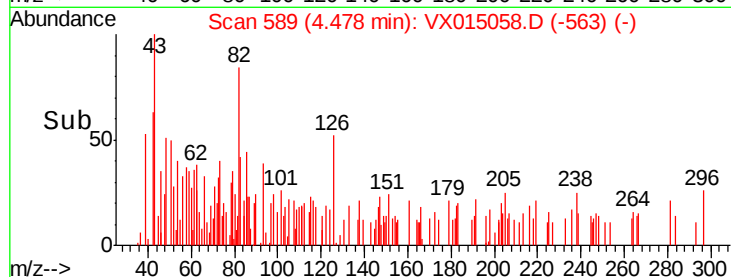
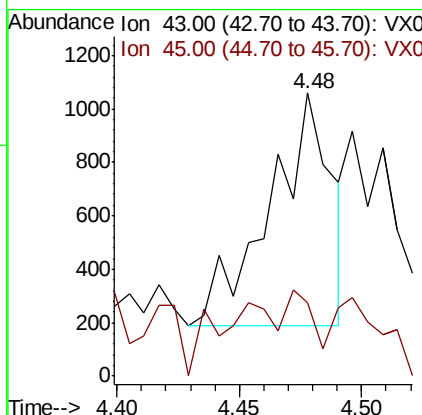
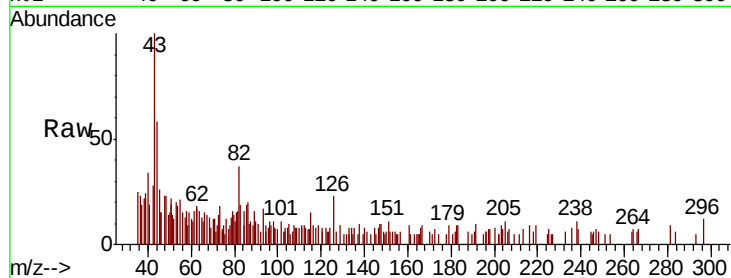




#43
Ethyl Acetate
Concen: 0.289 ug/l
RT: 4.48 min Scan# 589
Delta R.T. -0.34 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

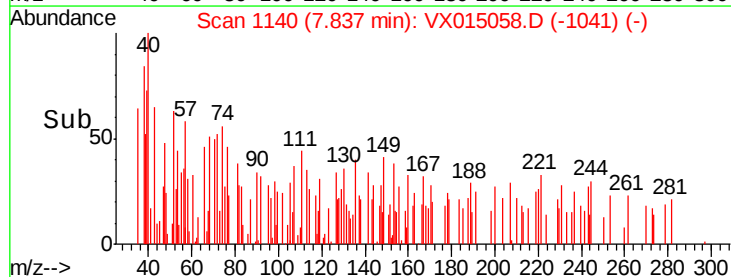
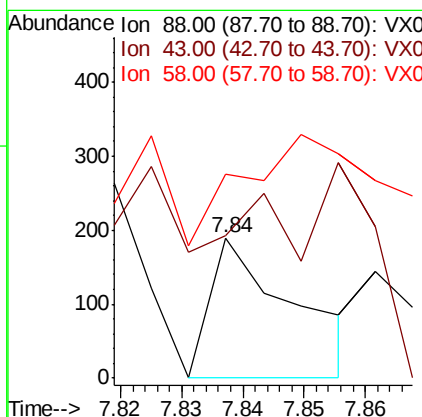
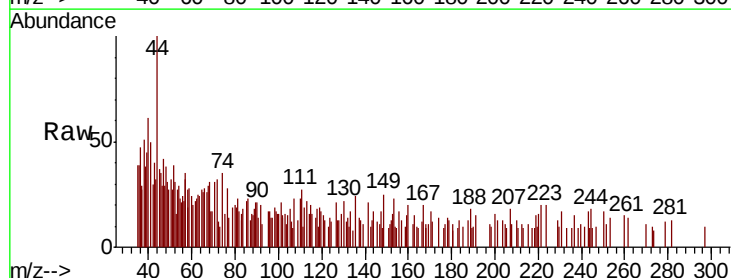
Instrument :
MSVOA_X
ClientSampled :

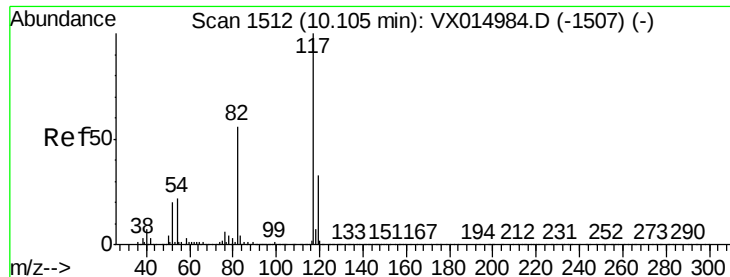
Tot Ion: 43 Resp: 1527
Ion Ratio Lower Upper
43 100
45 11.9 10.8 16.2



#45
1,4-Dioxane
Concen: 2.165 ug/l
RT: 7.84 min Scan# 1140
Delta R.T. 0.10 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

Tgt Ion: 88 Resp: 178
Ion Ratio Lower Upper
88 100
43 25.8 25.4 38.2
58 75.3 55.8 83.8

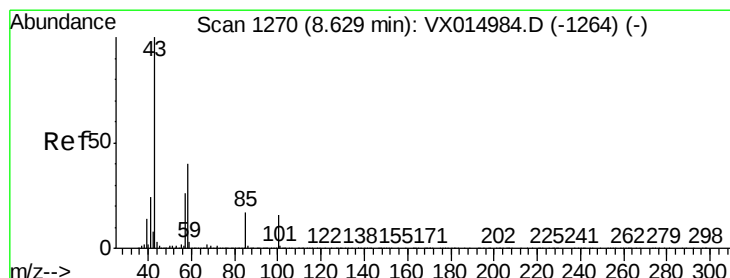
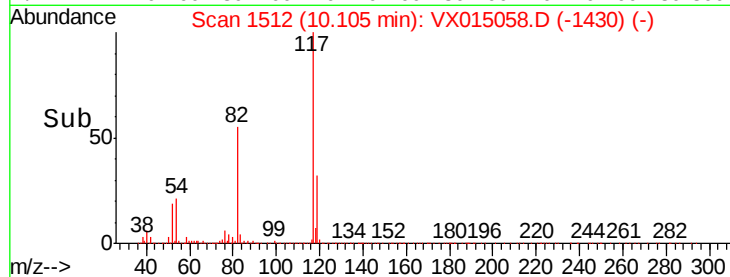
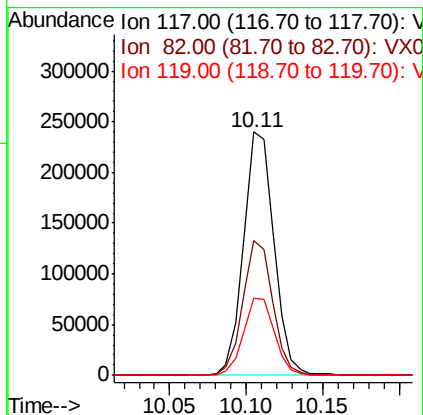
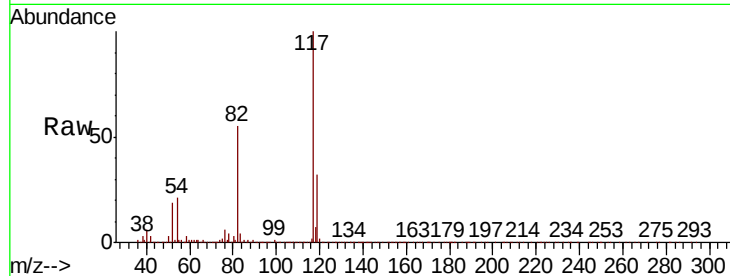




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

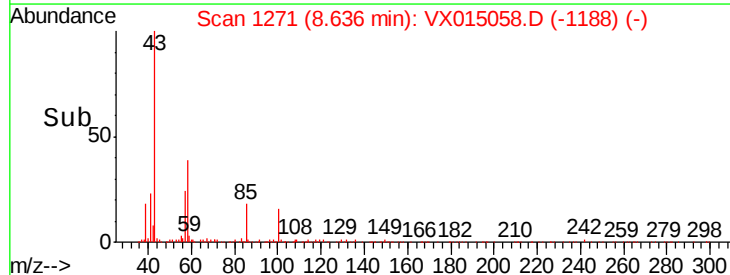
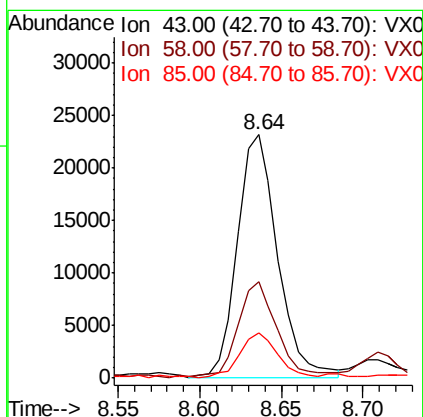
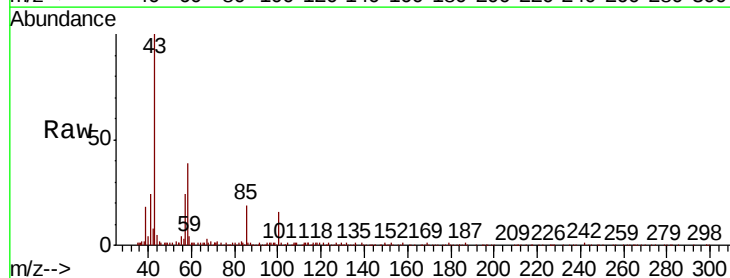
Instrument :
MSVOA_X
ClientSampleId :

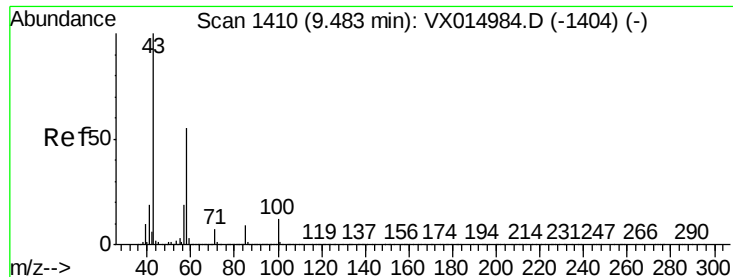
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.4	65.2
119	32.2	26.0	39.0



#58
4-Methyl-2-Pentanone
Concen: 7.342 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	31.7	47.5
85	17.0	14.4	21.6

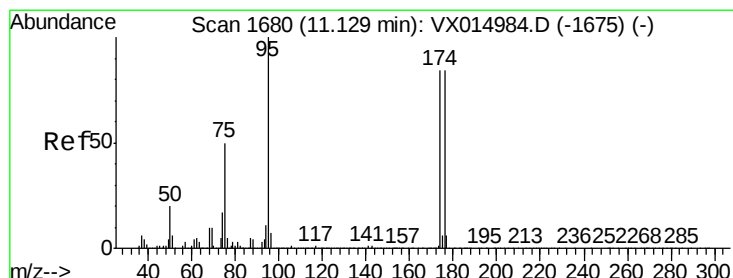
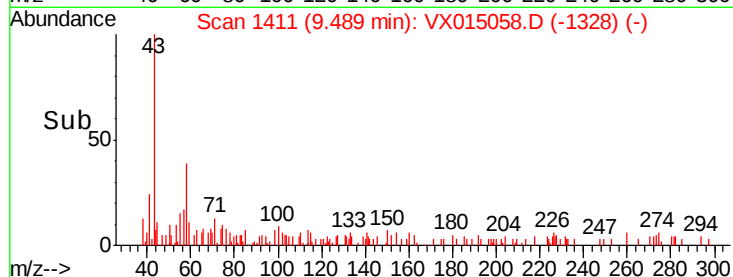
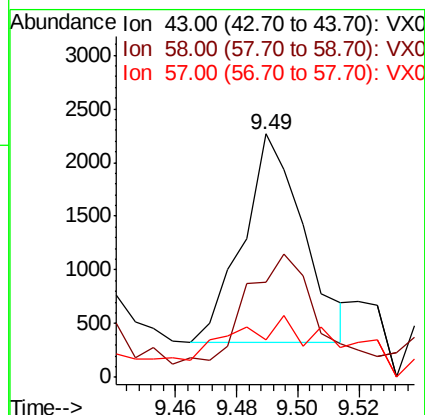
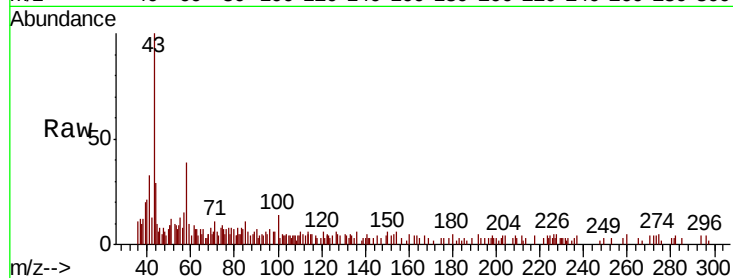




#59
2-Hexanone
Concen: 0.629 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

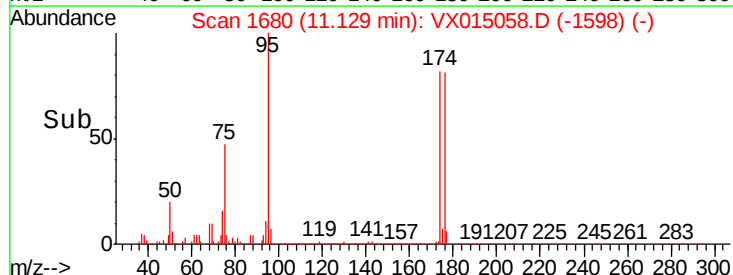
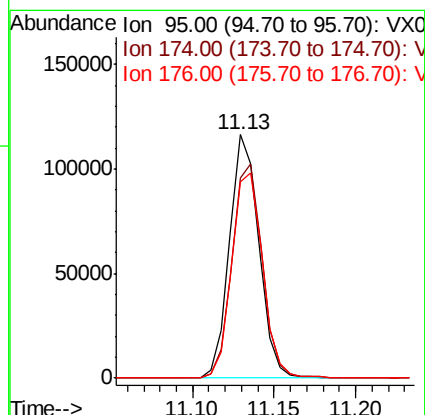
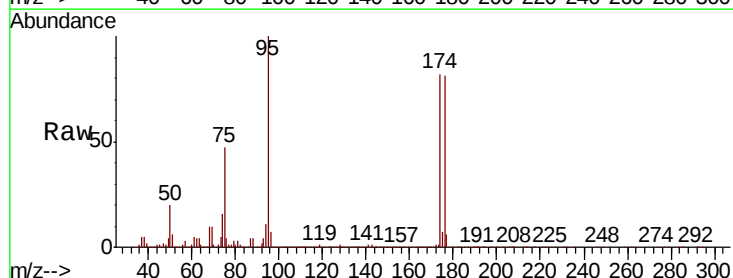
Instrument :
MSVOA_X
ClientSampled :

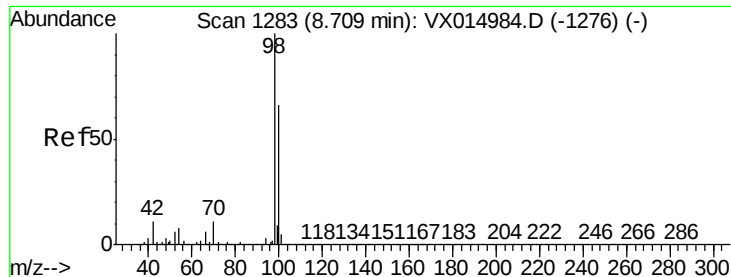
Tot Ion: 43 Resp: 2677
Ion Ratio Lower Upper
43 100
58 65.3 44.1 66.1
57 4.3 15.3 22.9#



#60
4-Bromofluorobenzene
Concen: 28.065 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

Tgt Ion: 95 Resp: 145188
Ion Ratio Lower Upper
95 100
174 90.7 72.3 108.5
176 89.0 72.0 108.0





#63

Toluene-d8

Concen: 29.563 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015058.D

Acq: 28 Feb 2020 12:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 428208

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2

