

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013164.D
 Acq On : 21 Oct 2019 20:00
 Operator : JC/SP
 Sample : K5441-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-3

Quant Time: Oct 22 02:32:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	25344	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.85	114	144742	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	129092	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	60409	30.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.93%
60) 4-Bromofluorobenzene	11.14	95	61023	27.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.50%
63) Toluene-d8	8.71	98	167718	29.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.37%

Target Compounds

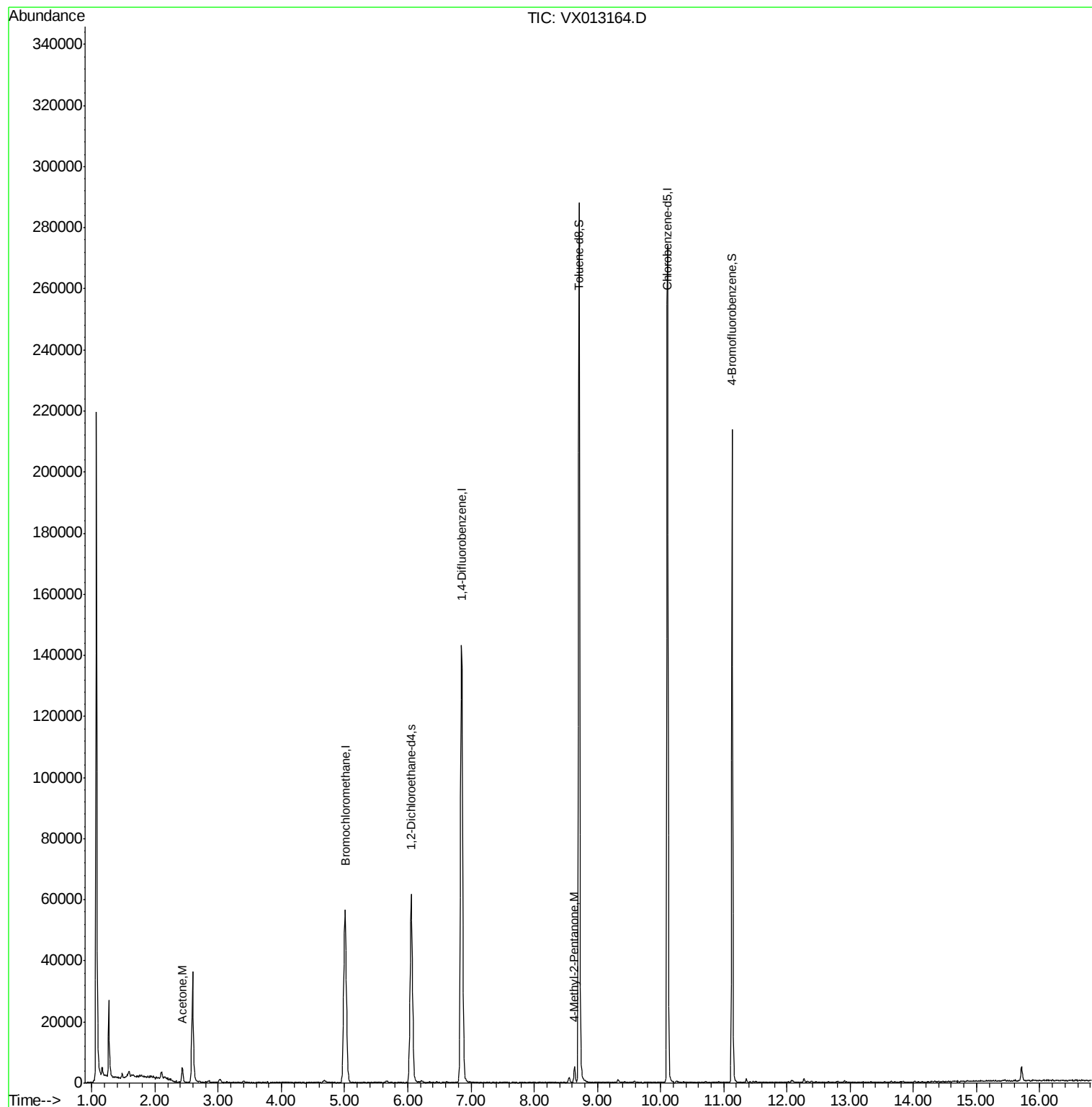
					Ovalue
15) Acetone	2.43	58	1558	5.632	ug/l 87
58) 4-Methyl-2-Pentanone	8.64	43	3138	1.443	ug/l # 95

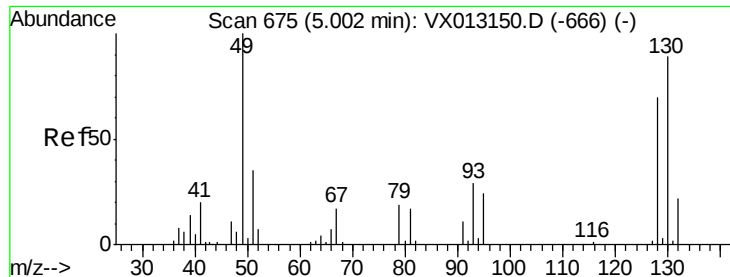
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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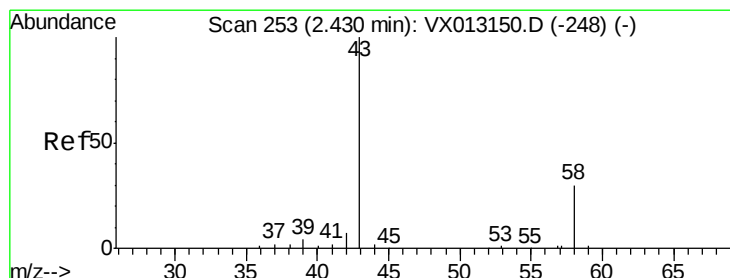
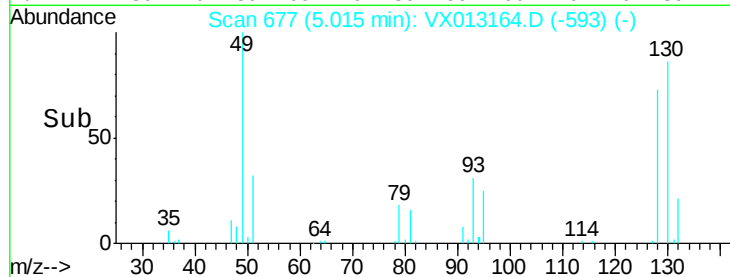
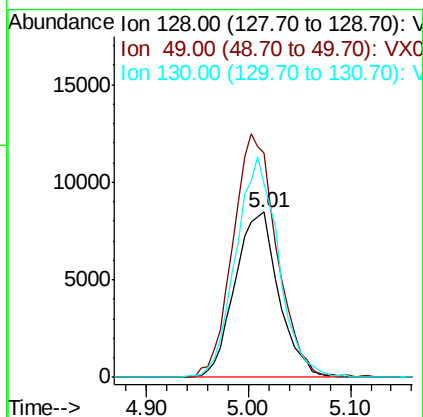
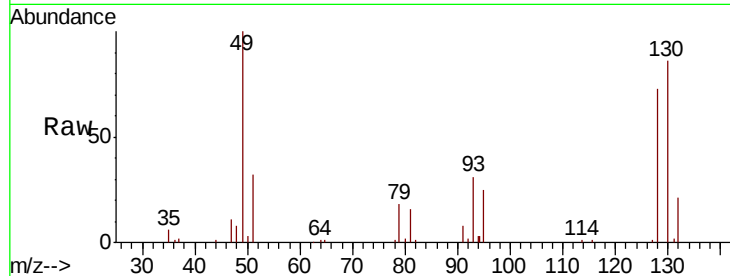




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 677
 Delta R.T. 0.01 min
 Lab File: VX013164.D
 Acq: 21 Oct 2019 20:00

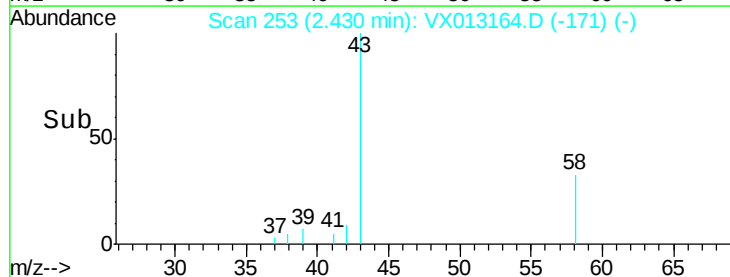
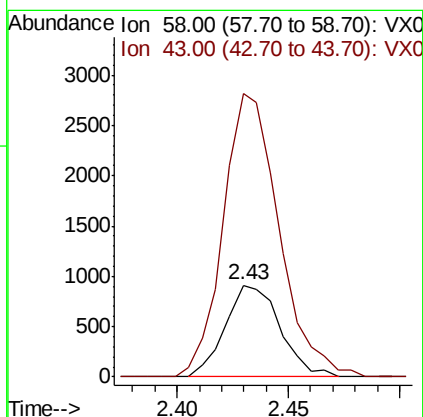
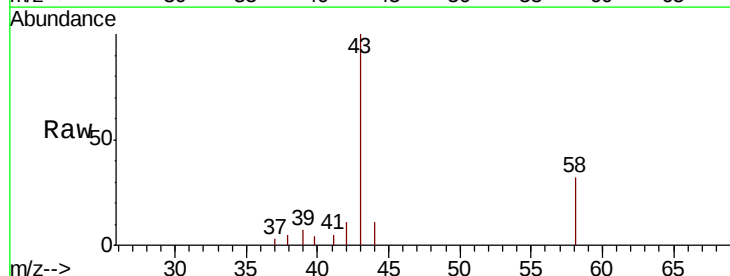
Instrument :
 MSVOA_X
 ClientSampleId :
 OF-3

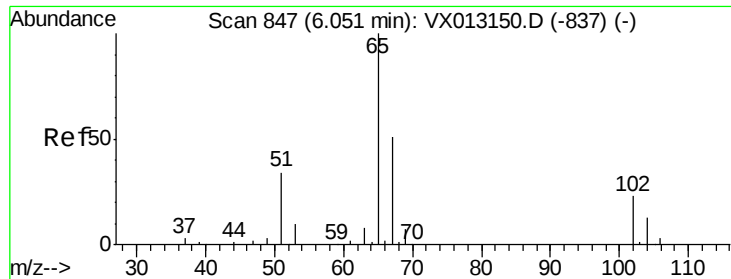
Tot Ion:128 Resp: 25344
 Ion Ratio Lower Upper
 128 100
 49 146.5 0.0 367.3
 130 129.5 0.0 325.0



#15
 Acetone
 Concen: 5.632 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX013164.D
 Acq: 21 Oct 2019 20:00

Tgt Ion: 58 Resp: 1558
 Ion Ratio Lower Upper
 58 100
 43 301.2 262.8 394.2





#27

1,2-Dichloroethane-d4

Concen: 30.278 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013164.D

Acq: 21 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampled :

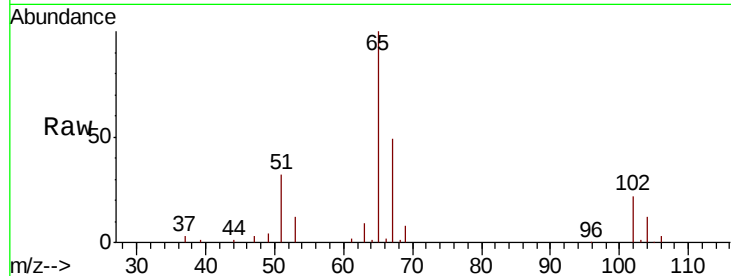
OF-3

Tot Ion: 65 Resp: 60409

Ion Ratio Lower Upper

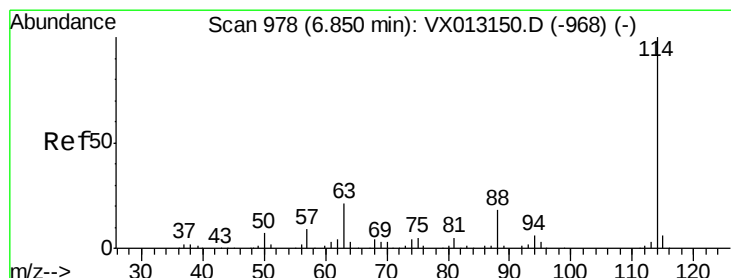
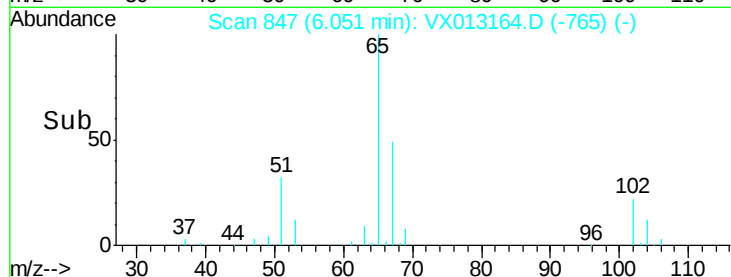
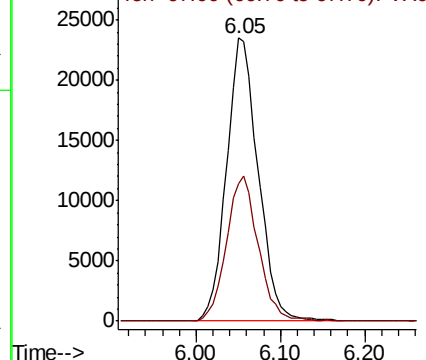
65 100

67 51.2 42.2 63.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013164.D

Acq: 21 Oct 2019 20:00

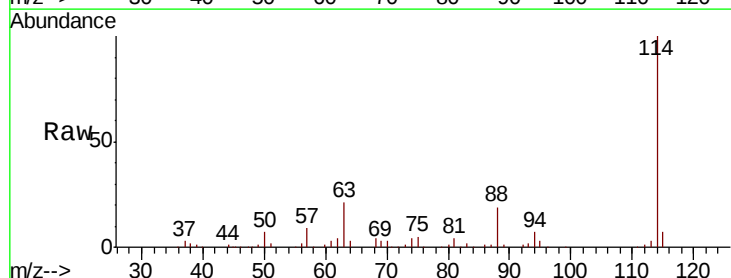
Tgt Ion: 114 Resp: 144742

Ion Ratio Lower Upper

114 100

63 19.9 16.1 24.1

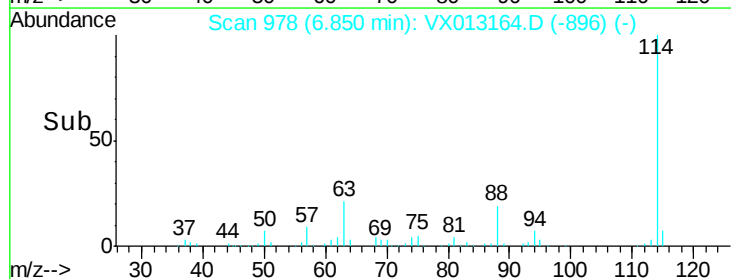
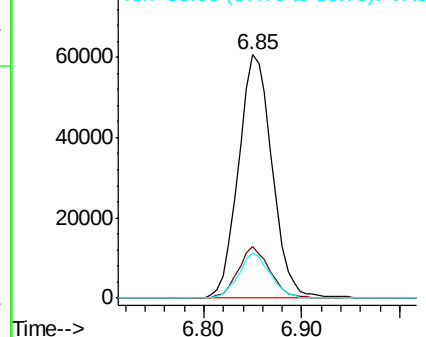
88 17.5 13.7 20.5

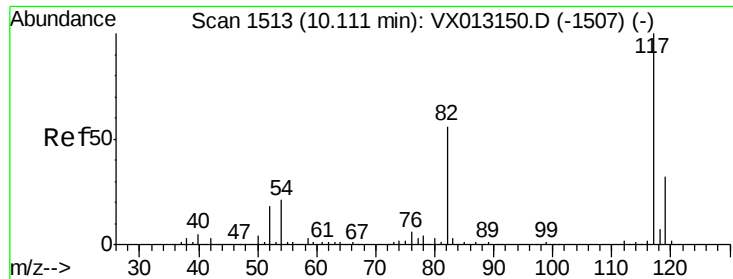


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

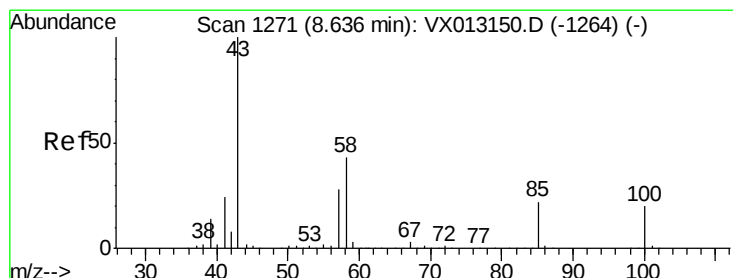
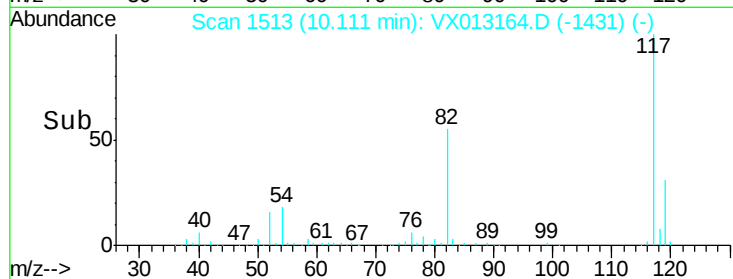
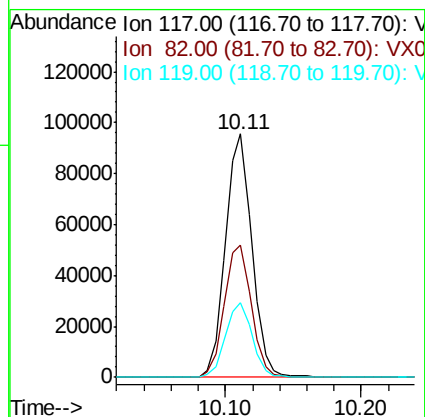
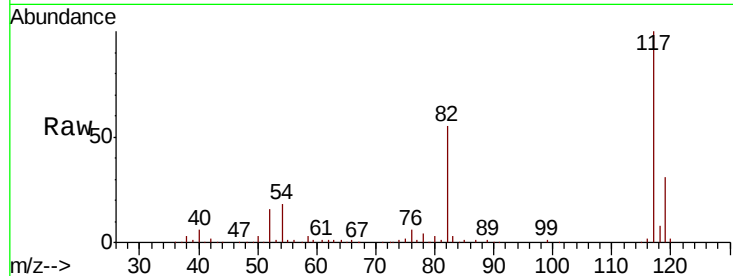




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013164.D
Acq: 21 Oct 2019 20:00

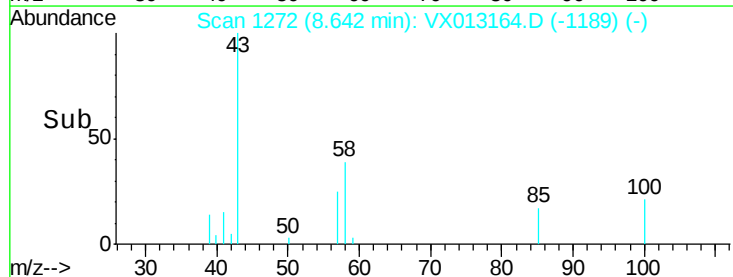
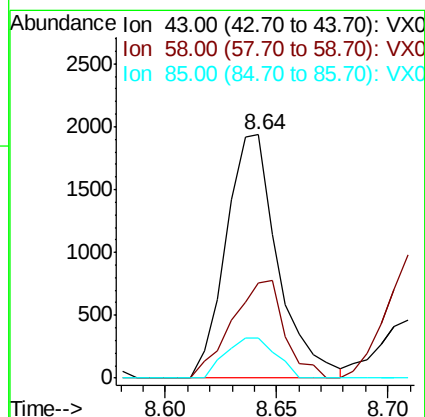
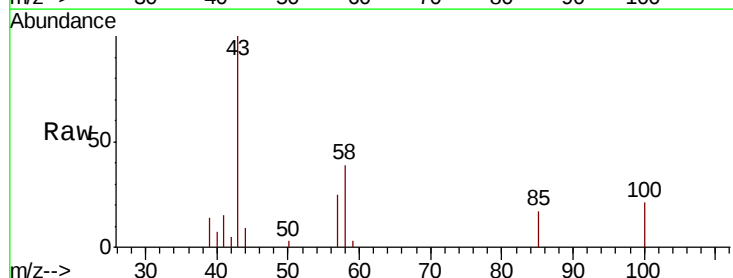
Instrument :
MSVOA_X
ClientSampled :
OF-3

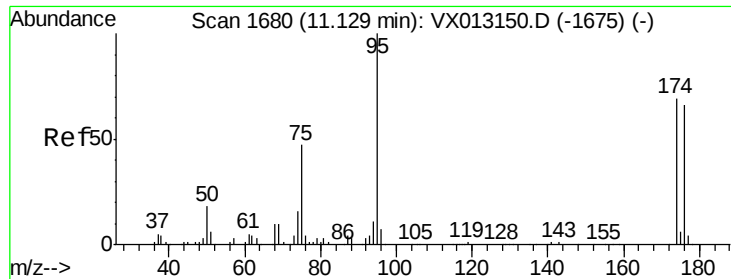
Tot Ion:117 Resp: 129092
Ion Ratio Lower Upper
117 100
82 55.8 46.0 69.0
119 31.1 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 1.443 ug/l
RT: 8.64 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VX013164.D
Acq: 21 Oct 2019 20:00

Tgt Ion: 43 Resp: 3138
Ion Ratio Lower Upper
43 100
58 40.7 33.8 50.8
85 15.8 16.8 25.2#

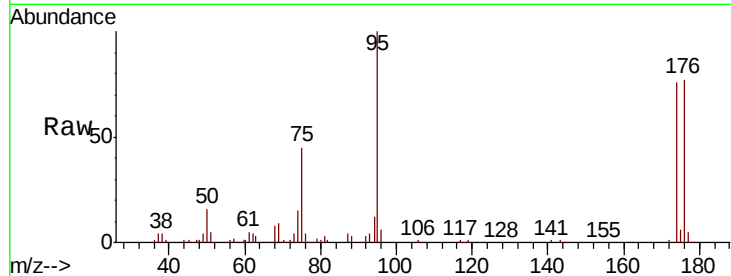




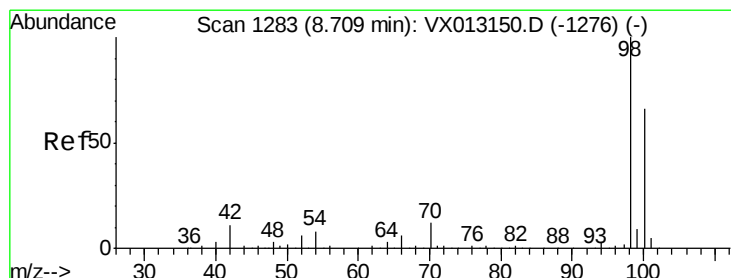
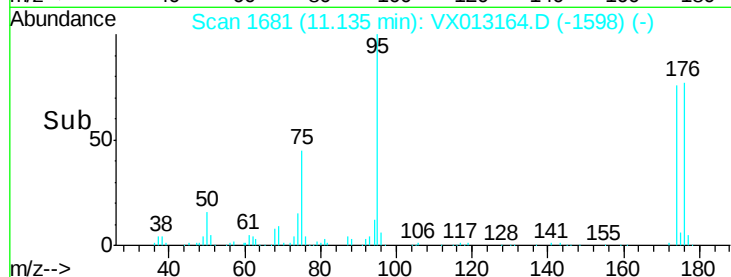
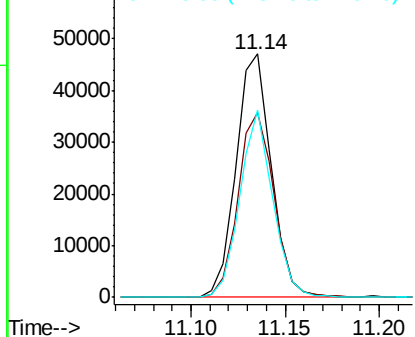
#60
4-Bromofluorobenzene
Concen: 27.147 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013164.D
Acq: 21 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
OF-3

Tot Ion: 95 Resp: 61023
Ion Ratio Lower Upper
95 100
174 77.7 60.0 90.0
176 71.9 58.5 87.7

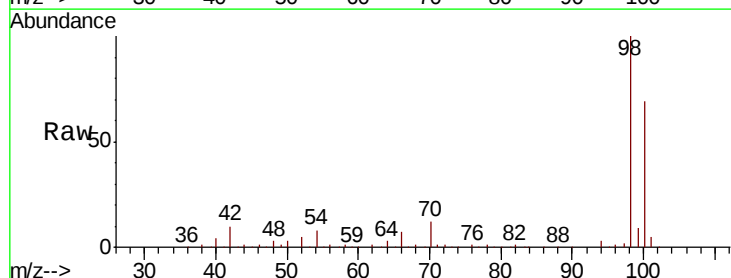


Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V



#63
Toluene-d8
Concen: 29.211 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013164.D
Acq: 21 Oct 2019 20:00

Tgt Ion: 98 Resp: 167718
Ion Ratio Lower Upper
98 100
100 69.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

