

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013542.D
 Acq On : 22 Nov 2019 18:41
 Operator : JC/SP
 Sample : K5978-04 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-4

Quant Time: Nov 25 03:04:15 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	108071	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	580711	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	501743	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	240745	30.17	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	100.57%	
60) 4-Bromofluorobenzene	11.14	95	219216	27.18	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	90.60%	
63) Toluene-d8	8.71	98	684566	30.17	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	100.57%	

Target Compounds

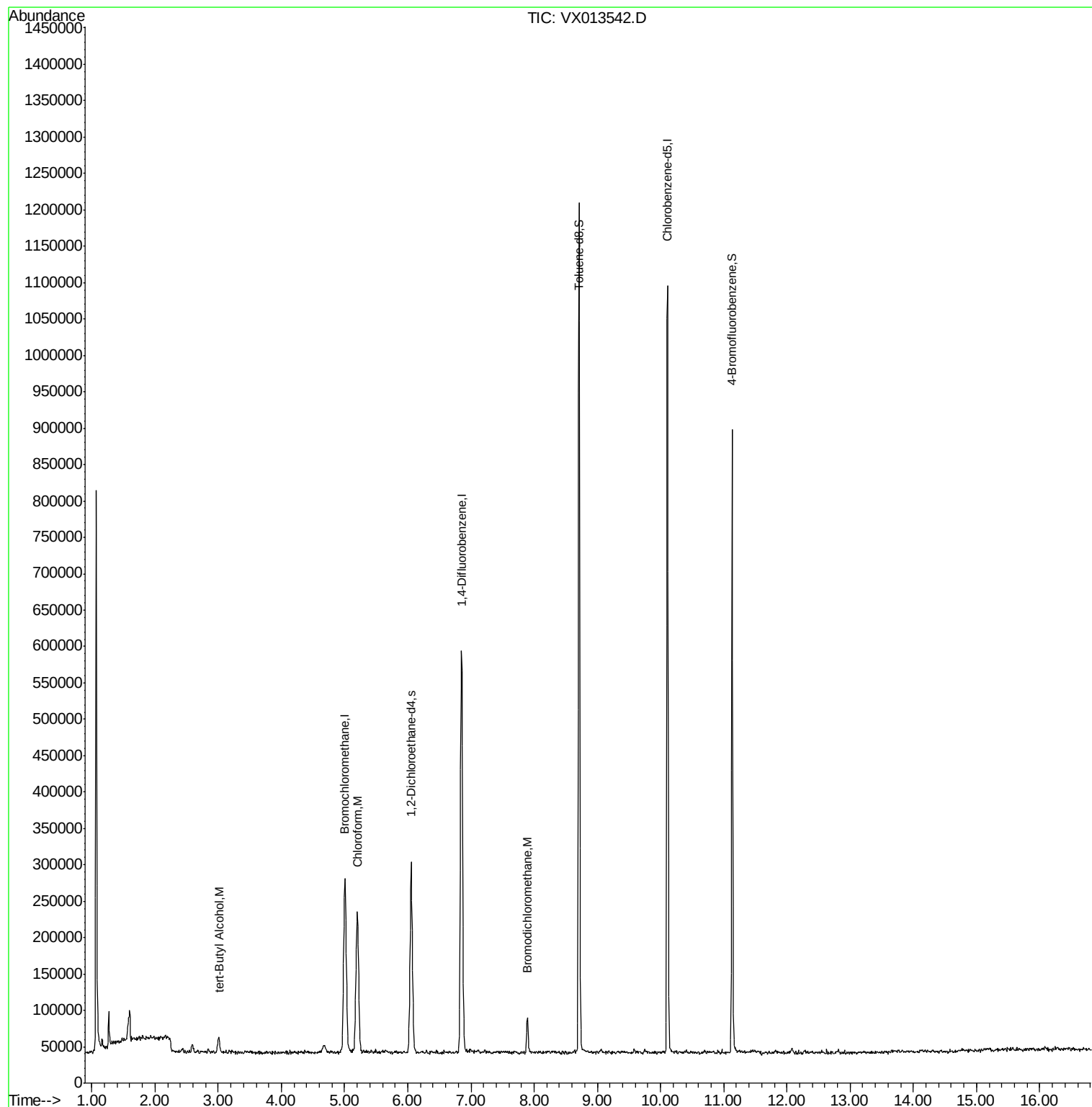
					Ovalue
23) tert-Butyl Alcohol	3.01	59	12716	6.144 ug/l #	99
25) Chloroform	5.20	83	232197	18.418 ug/l	100
41) Bromodichloromethane	7.89	83	33494	3.706 ug/l	90

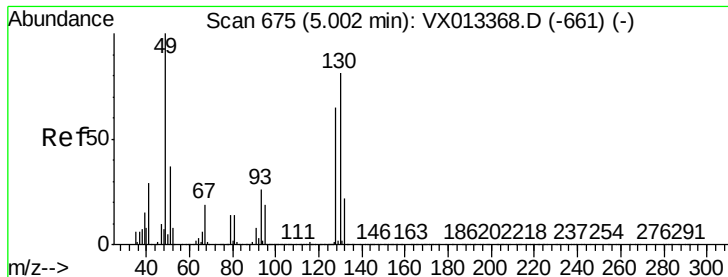
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 01:16:13 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX013542.D

Acq: 22 Nov 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

14B-4

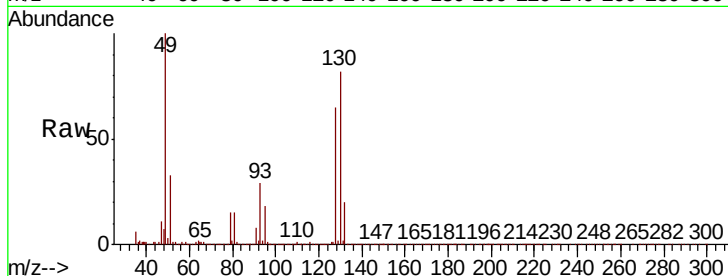
Tot Ion:128 Resp: 108071

Ion Ratio Lower Upper

128 100

49 156.7 0.0 388.3

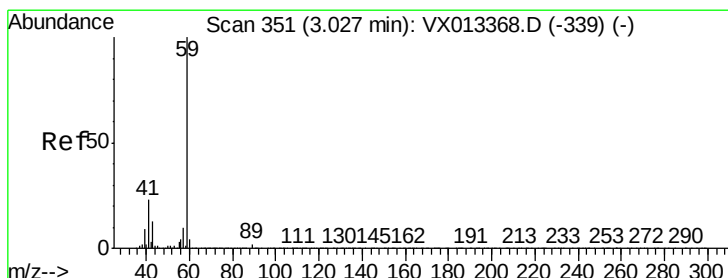
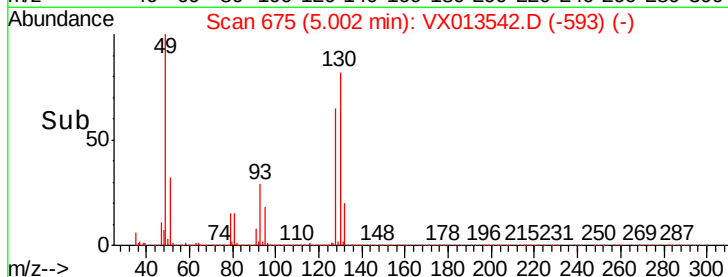
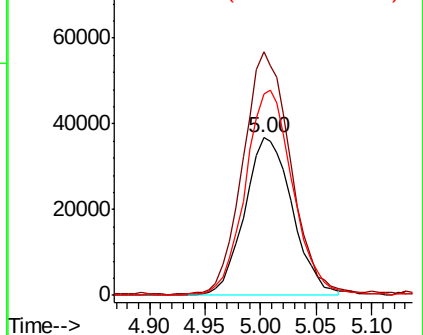
130 131.3 0.0 318.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#23

tert-Butyl Alcohol

Concen: 6.144 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013542.D

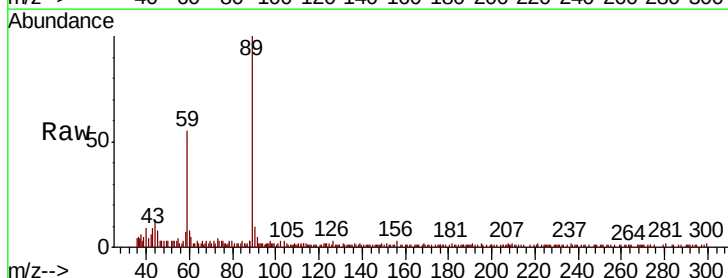
Acq: 22 Nov 2019 18:41

Tgt Ion: 59 Resp: 12716

Ion Ratio Lower Upper

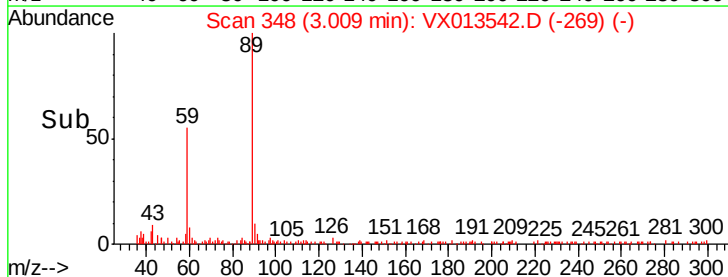
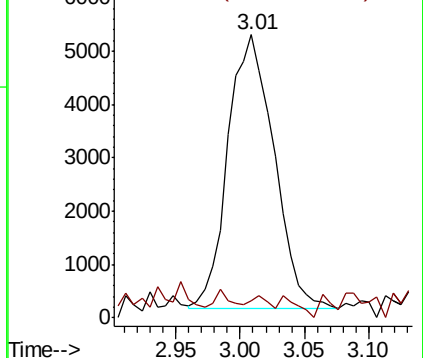
59 100

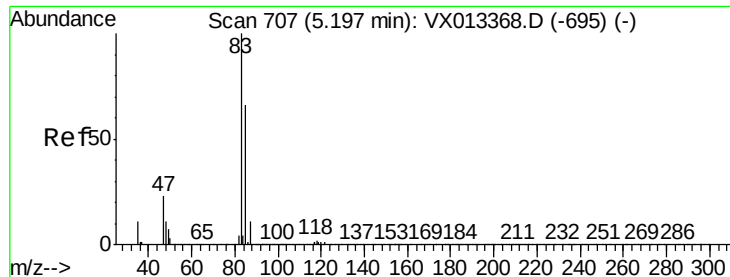
52 1.5 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

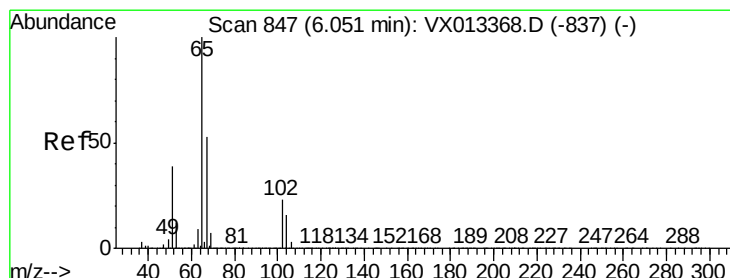
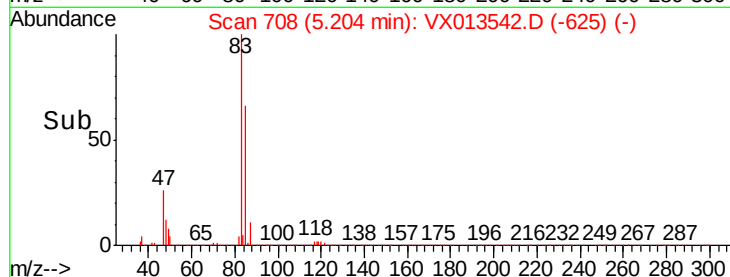
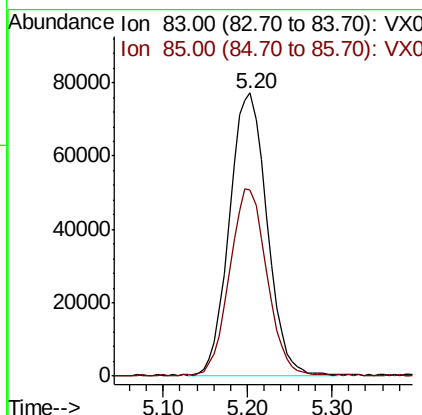
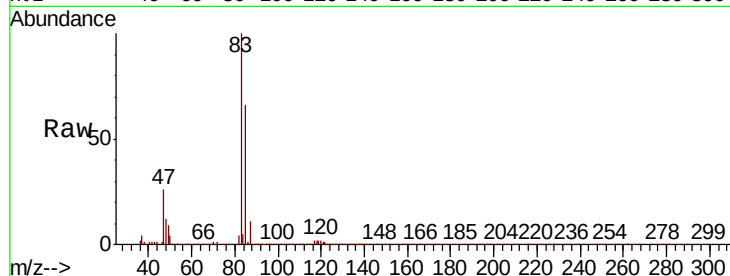




#25
Chloroform
Concen: 18.418 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013542.D
Acq: 22 Nov 2019 18:41

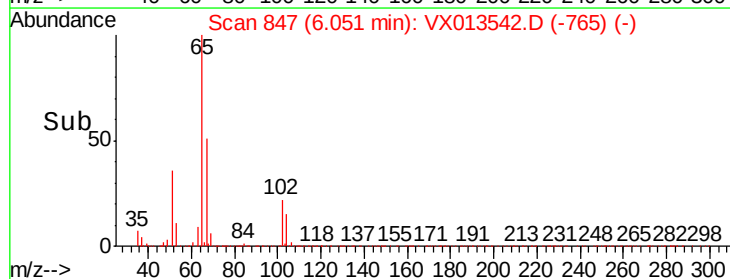
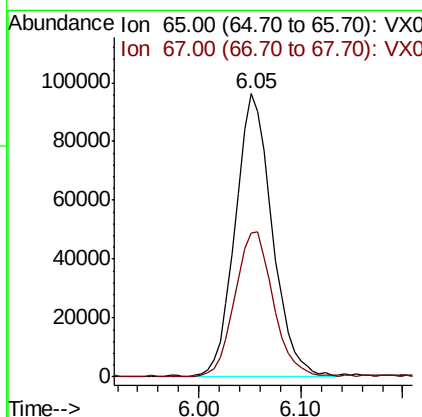
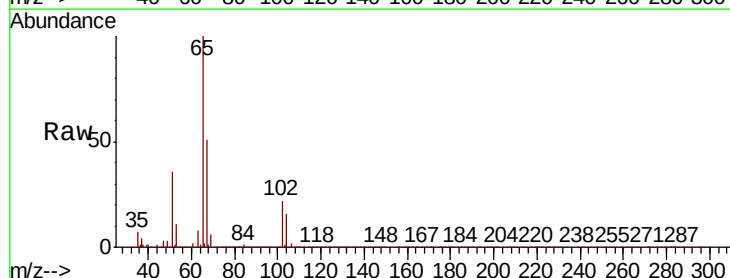
Instrument :
MSVOA_X
ClientSampleId :
14B-4

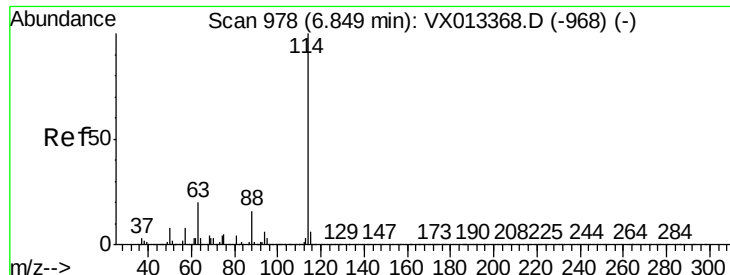
Tot Ion: 83 Resp: 232197
Ion Ratio Lower Upper
83 100
85 65.7 52.4 78.6



#27
1,2-Dichloroethane-d4
Concen: 30.168 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013542.D
Acq: 22 Nov 2019 18:41

Tgt Ion: 65 Resp: 240745
Ion Ratio Lower Upper
65 100
67 52.8 41.0 61.6

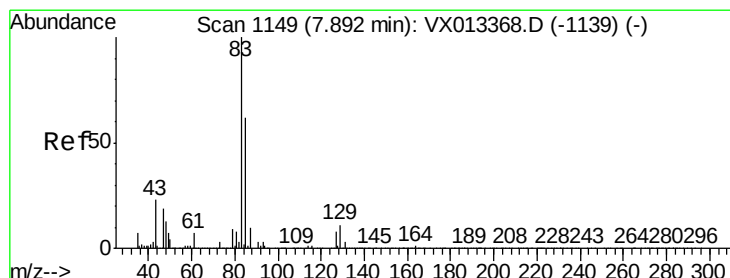
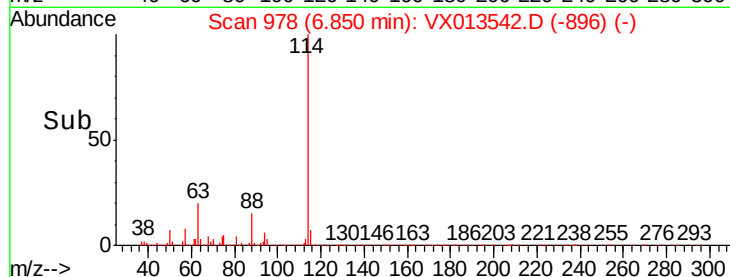
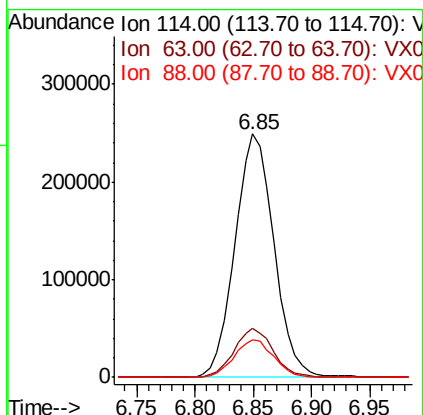
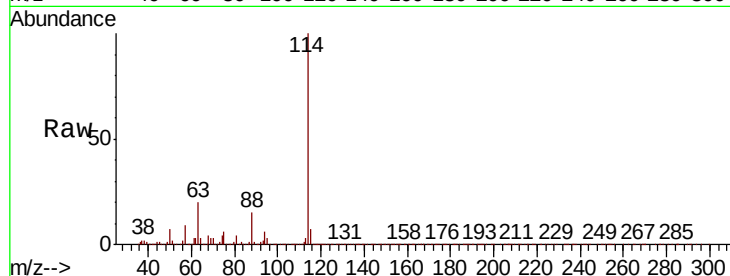




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013542.D
Acq: 22 Nov 2019 18:41

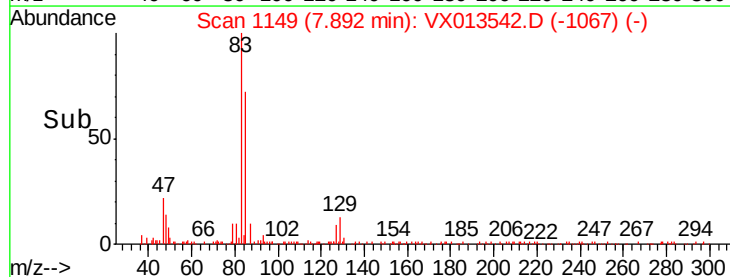
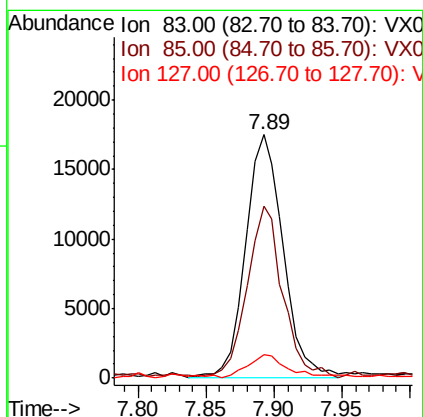
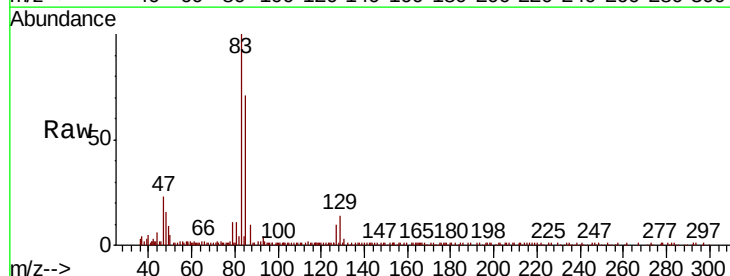
Instrument :
MSVOA_X
ClientSampleId :
14B-4

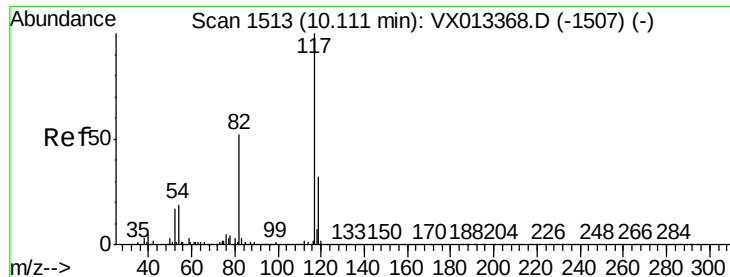
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	15.6	12.3	18.5



#41
Bromodichloromethane
Concen: 3.706 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX013542.D
Acq: 22 Nov 2019 18:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.0	49.3	73.9
127	8.7	6.6	10.0

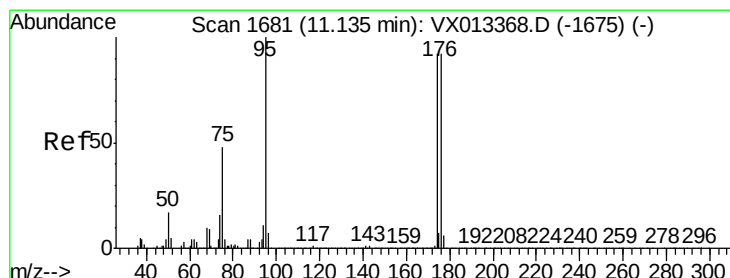
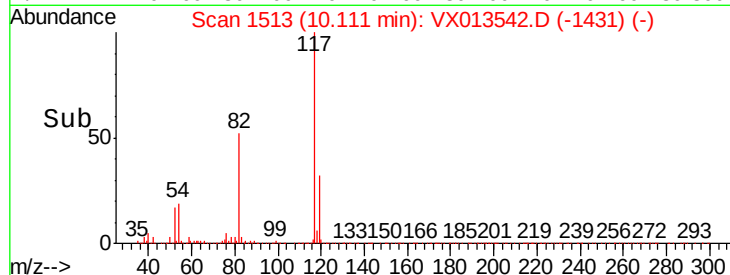
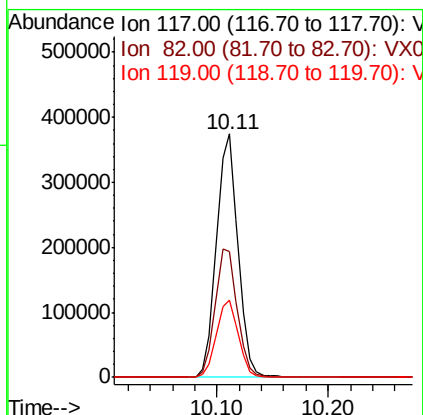
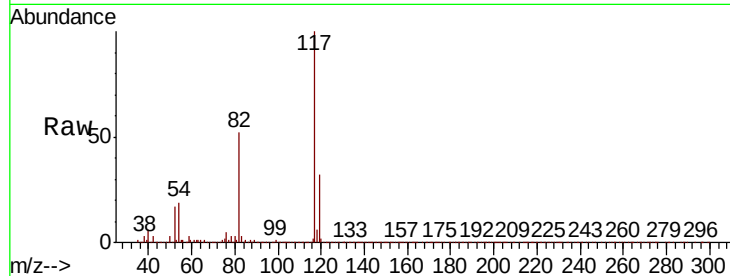




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013542.D
Acq: 22 Nov 2019 18:41

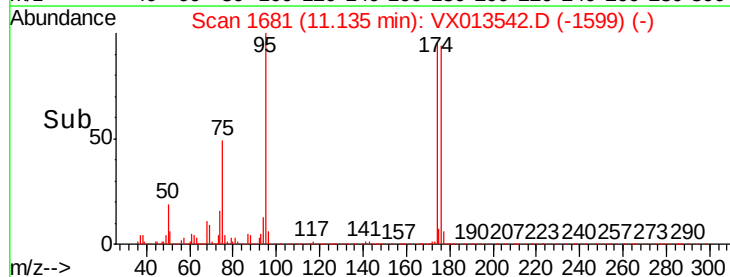
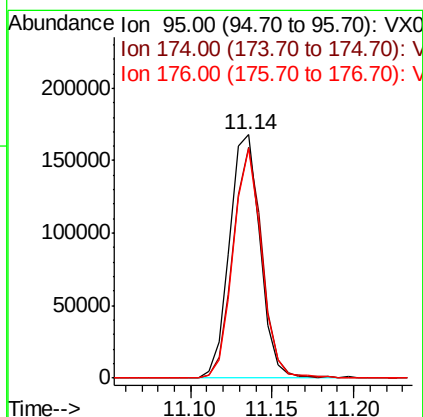
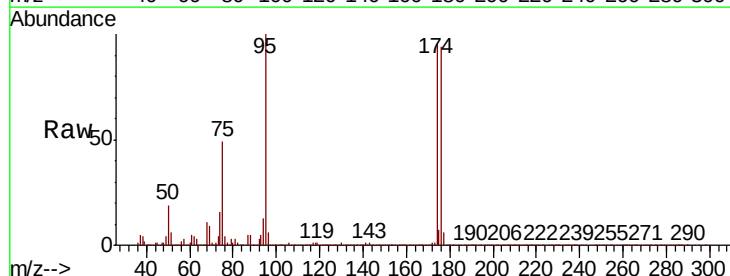
Instrument :
MSVOA_X
ClientSampled :
14B-4

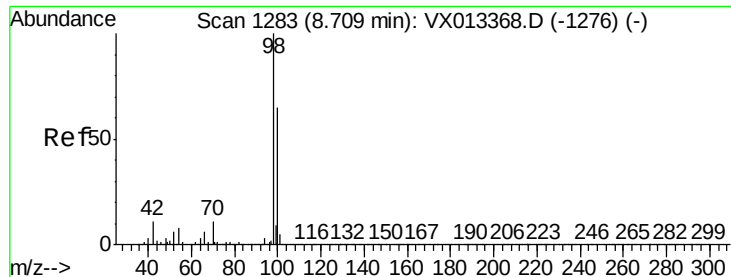
Tot Ion:117 Resp: 501743
Ion Ratio Lower Upper
117 100
82 54.1 43.7 65.5
119 32.5 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 27.183 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013542.D
Acq: 22 Nov 2019 18:41

Tgt Ion: 95 Resp: 219216
Ion Ratio Lower Upper
95 100
174 90.3 70.2 105.2
176 87.6 68.3 102.5





#63

Toluene-d8

Concen: 30.172 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013542.D

Acq: 22 Nov 2019 18:41

Instrument :

MSVOA_X

ClientSampleId :

14B-4

Tot Ion: 98 Resp: 684566

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7

