

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013541.D
 Acq On : 22 Nov 2019 18:18
 Operator : JC/SP
 Sample : K5978-03 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

Quant Time: Nov 25 02:57:28 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	114270	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	618956	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	535668	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	242197	28.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.67%
60) 4-Bromofluorobenzene	11.14	95	234445	27.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.77%
63) Toluene-d8	8.71	98	727122	30.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.07%

Target Compounds

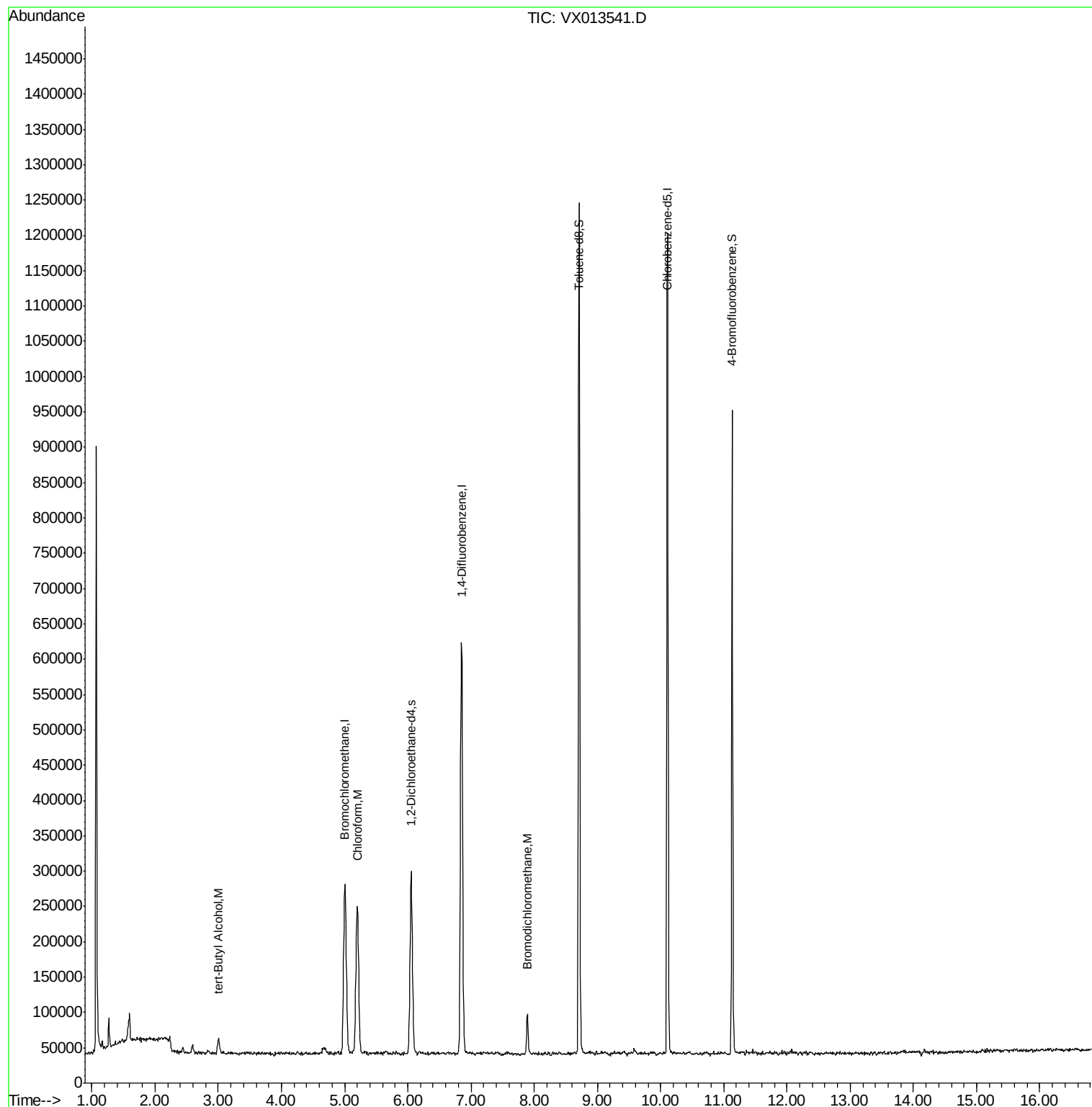
					Ovalue	
23) tert-Butyl Alcohol	3.01	59	13399	6.123	ug/l	# 97
25) Chloroform	5.20	83	257882	19.345	ug/l	95
41) Bromodichloromethane	7.89	83	36304	3.769	ug/l	98

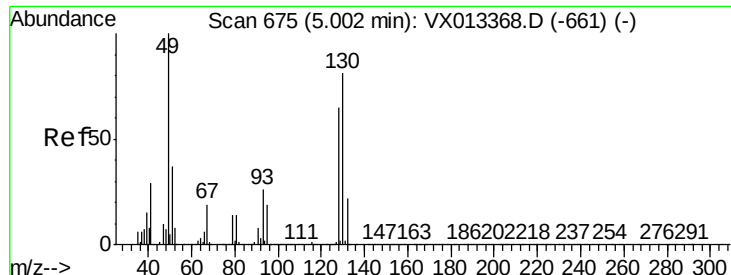
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013541.D

Acq: 22 Nov 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

14B-3

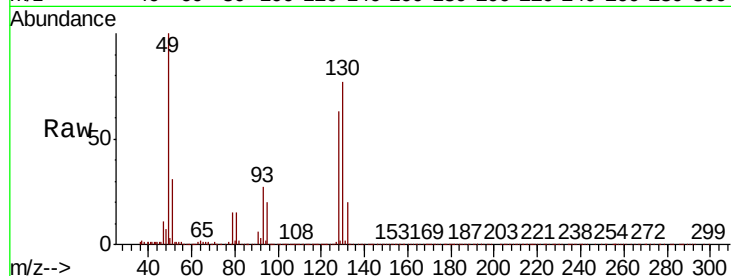
Tot Ion:128 Resp: 114270

Ion Ratio Lower Upper

128 100

49 152.2 0.0 388.3

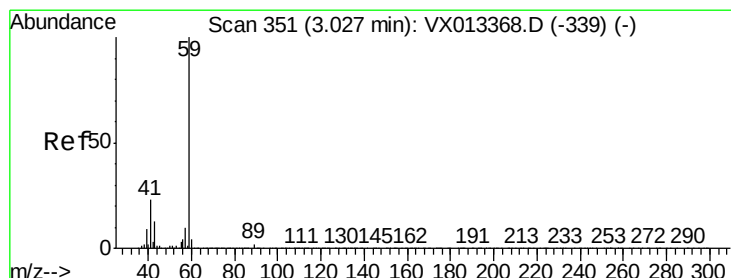
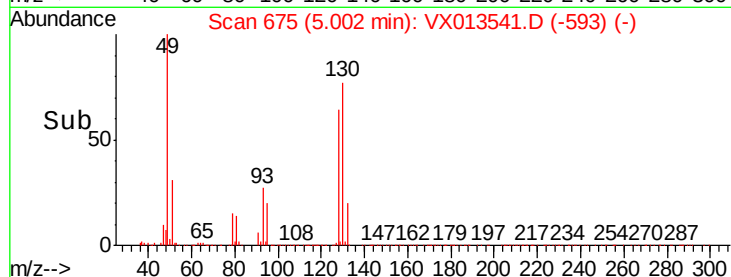
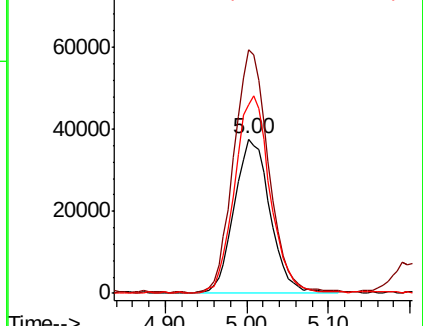
130 125.8 0.0 318.5



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: 6.123 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013541.D

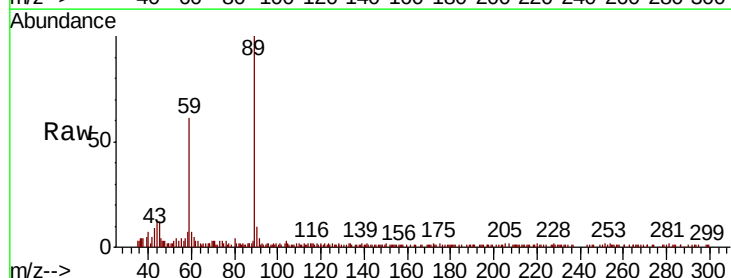
Acq: 22 Nov 2019 18:18

Tgt Ion: 59 Resp: 13399

Ion Ratio Lower Upper

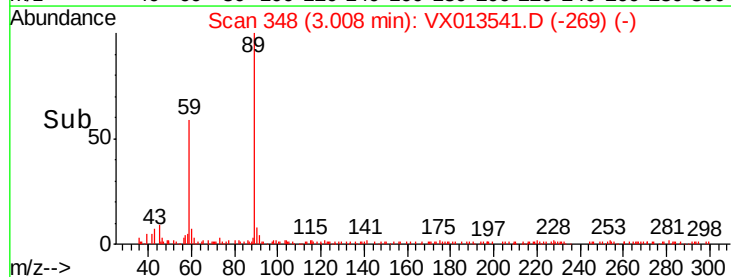
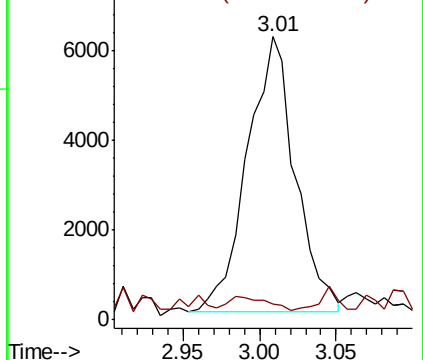
59 100

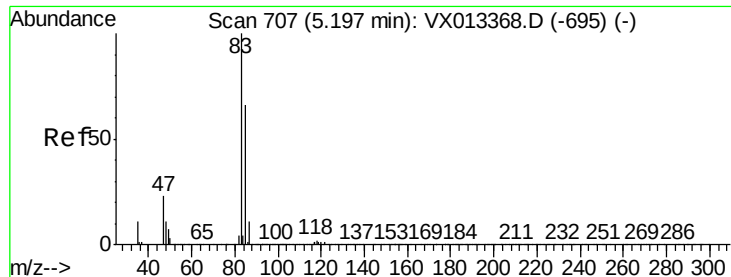
52 6.2 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

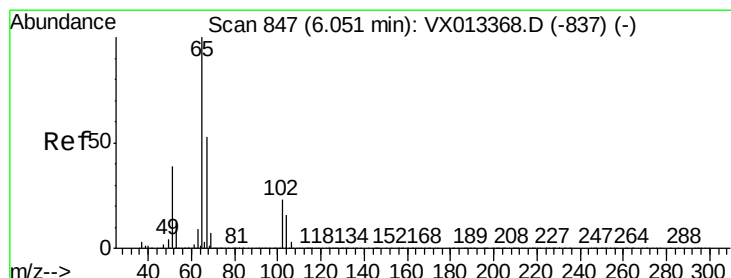
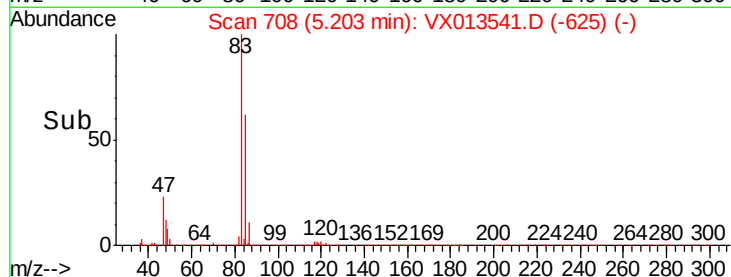
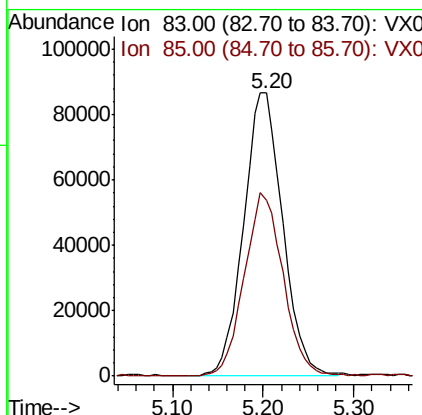
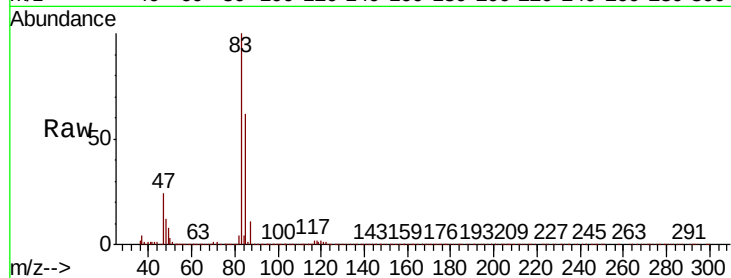




#25
Chloroform
Concen: 19.345 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013541.D
Acq: 22 Nov 2019 18:18

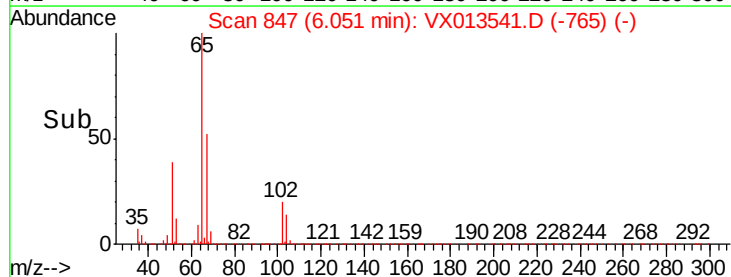
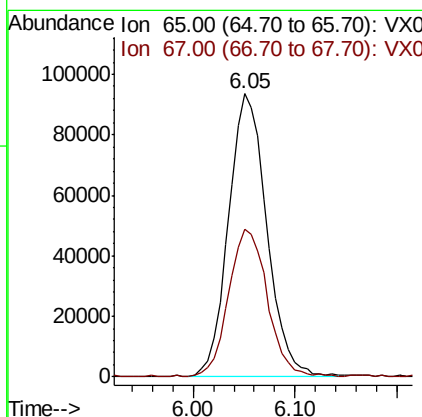
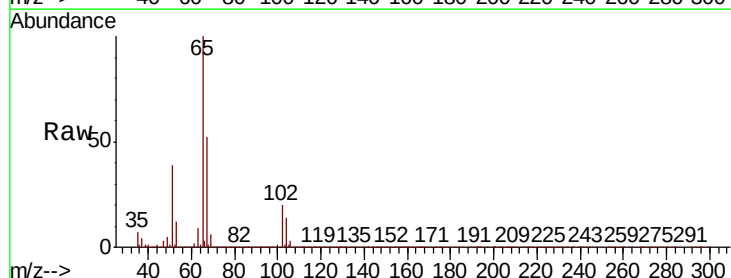
Instrument :
MSVOA_X
ClientSampleId :
14B-3

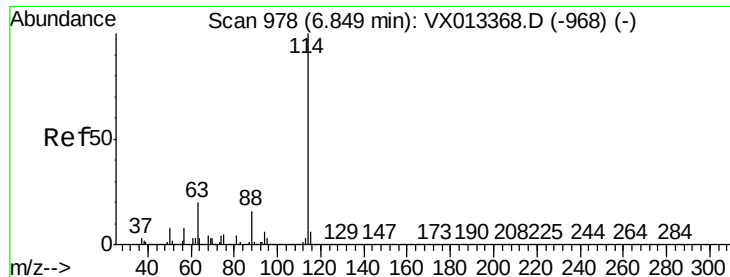
Tot Ion: 83 Resp: 257882
Ion Ratio Lower Upper
83 100
85 61.7 52.4 78.6



#27
1,2-Dichloroethane-d4
Concen: 28.703 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013541.D
Acq: 22 Nov 2019 18:18

Tgt Ion: 65 Resp: 242197
Ion Ratio Lower Upper
65 100
67 52.1 41.0 61.6

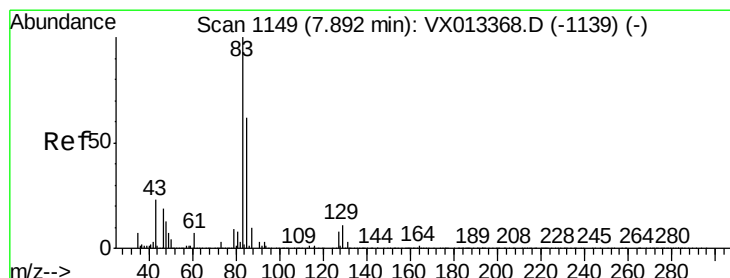
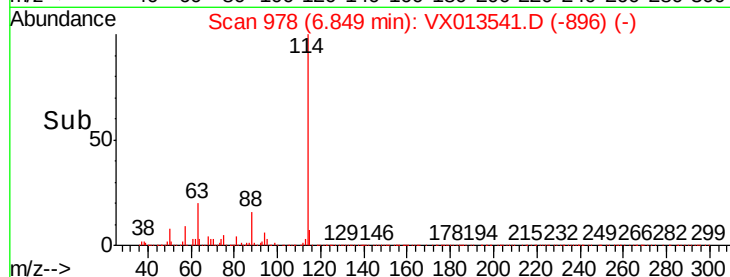
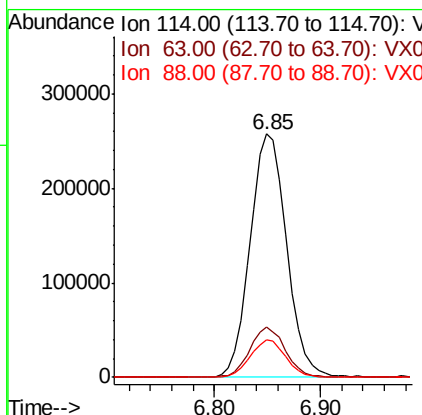
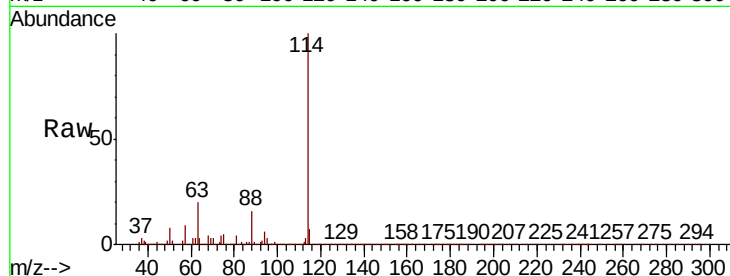




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013541.D
 Acq: 22 Nov 2019 18:18

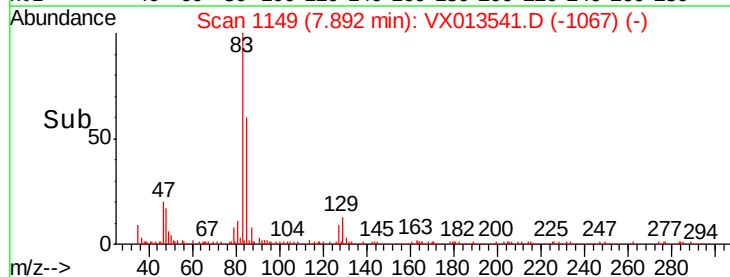
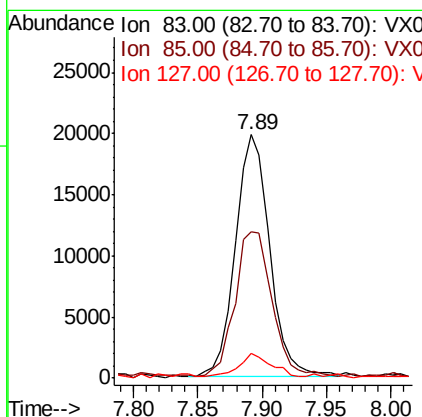
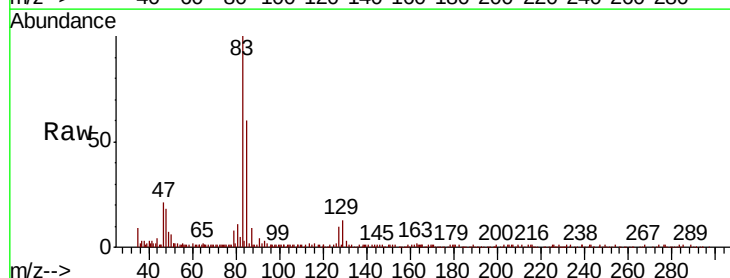
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

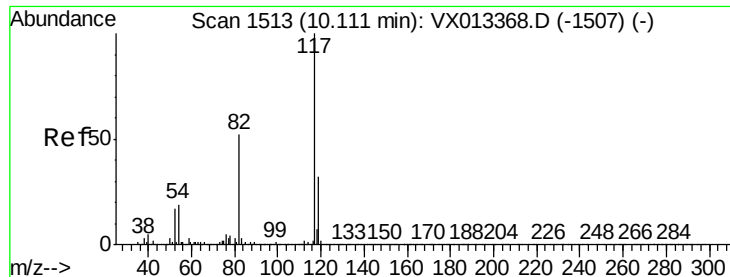
Tot Ion:114 Resp: 618956
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.1 24.1
 88 15.1 12.3 18.5



#41
 Bromodichloromethane
 Concen: 3.769 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX013541.D
 Acq: 22 Nov 2019 18:18

Tgt Ion: 83 Resp: 36304
 Ion Ratio Lower Upper
 83 100
 85 59.8 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: VX013541.D

Acq: 22 Nov 2019 18:18

Instrument :

MSVOA_X

ClientSampled :

14B-3

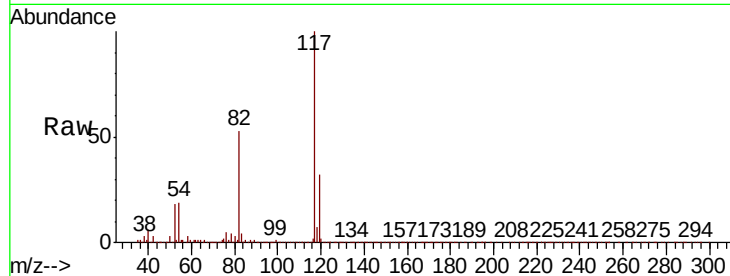
Tot Ion:117 Resp: 535668

Ion Ratio Lower Upper

117 100

82 54.0 43.7 65.5

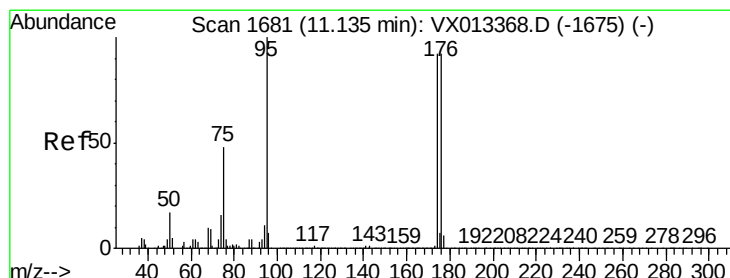
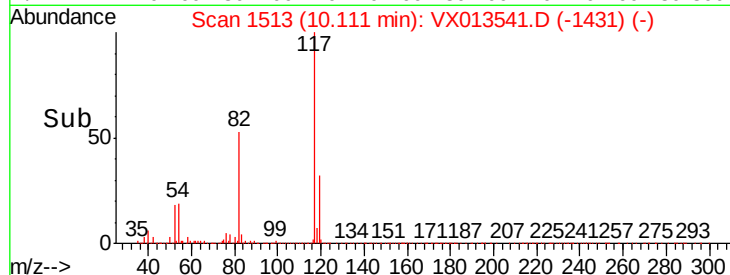
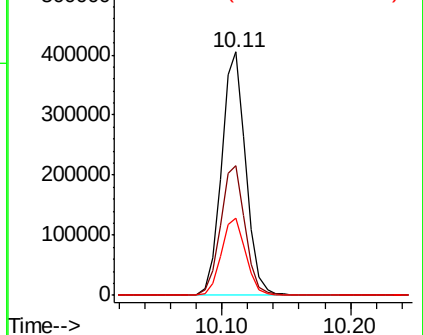
119 31.9 25.5 38.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#60

4-Bromofluorobenzene

Concen: 27.230 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013541.D

Acq: 22 Nov 2019 18:18

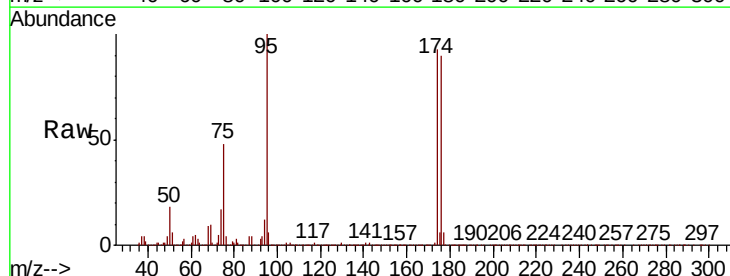
Tgt Ion: 95 Resp: 234445

Ion Ratio Lower Upper

95 100

174 89.5 70.2 105.2

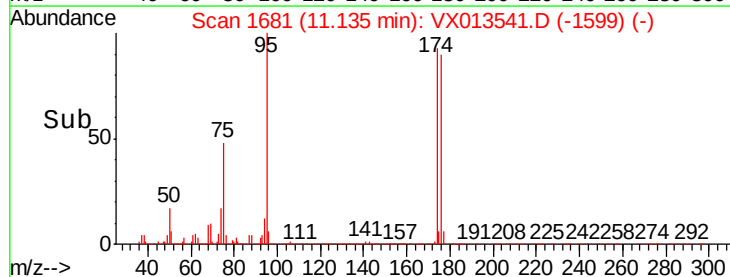
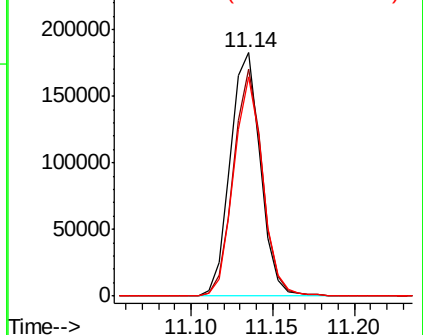
176 87.3 68.3 102.5

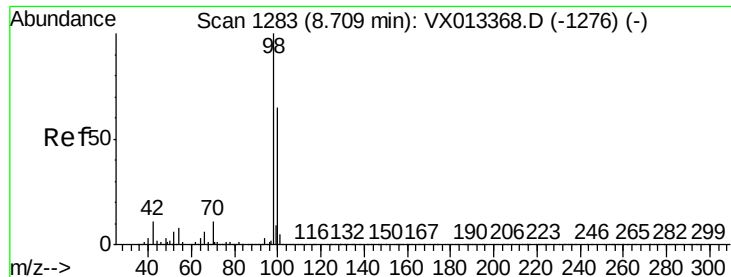


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 30.018 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013541.D

Acq: 22 Nov 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

14B-3

Tot Ion: 98 Resp: 727122

Ion Ratio Lower Upper

98 100

100 66.3 52.5 78.7

