

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013543.D
 Acq On : 22 Nov 2019 19:04
 Operator : JC/SP
 Sample : K5960-03 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

Quant Time: Nov 25 03:20:18 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	110015	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	598570	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	521294	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	234834	28.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.37%
60) 4-Bromofluorobenzene	11.14	95	227997	27.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.70%
63) Toluene-d8	8.71	98	711381	30.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.60%

Target Compounds

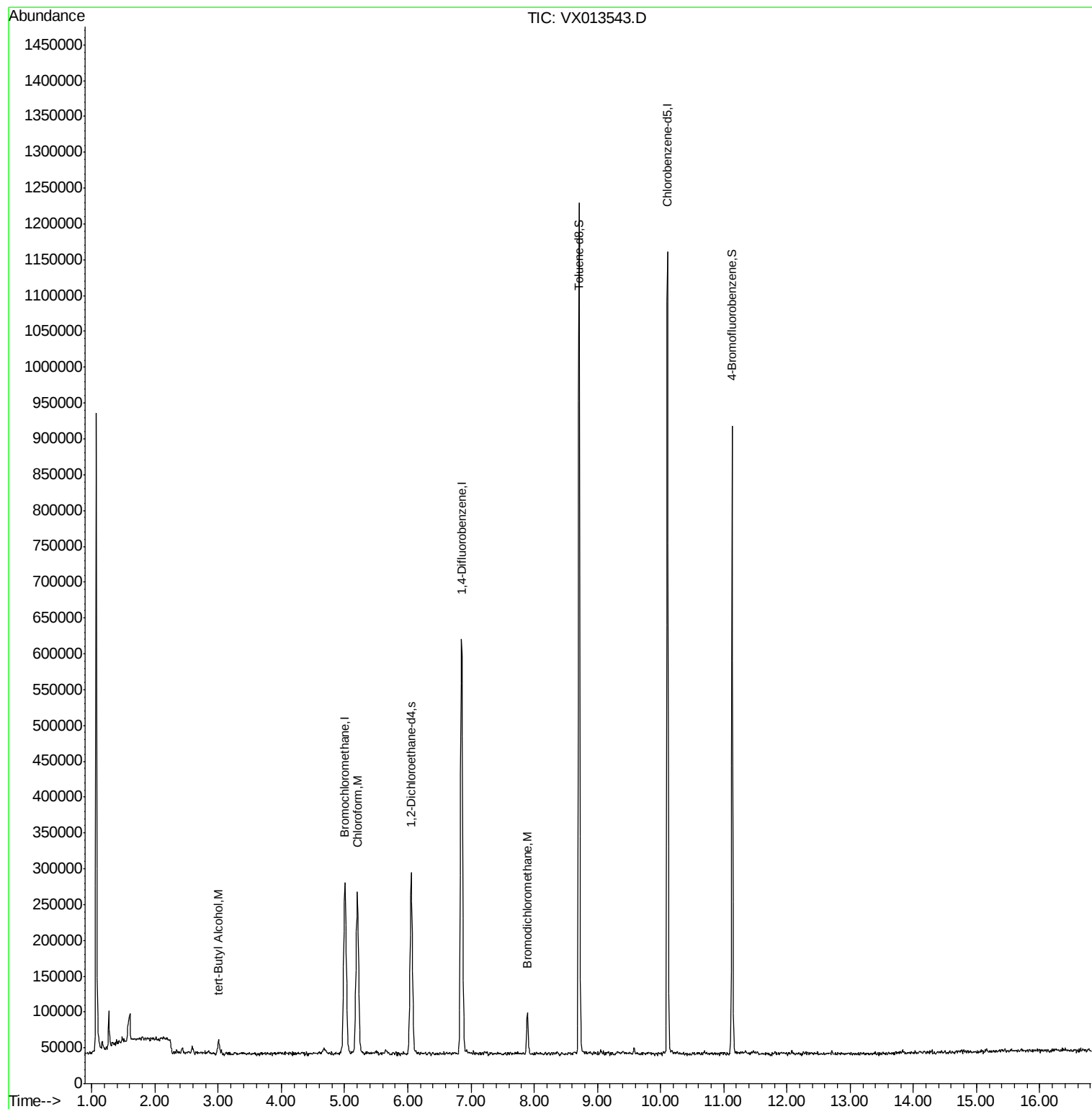
					Ovalue	
23) tert-Butyl Alcohol	3.00	59	11994	5.693	ug/l	# 99
25) Chloroform	5.20	83	263280	20.514	ug/l	98
41) Bromodichloromethane	7.89	83	38348	4.117	ug/l	99

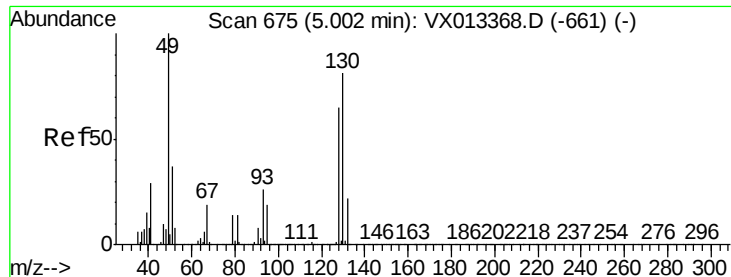
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

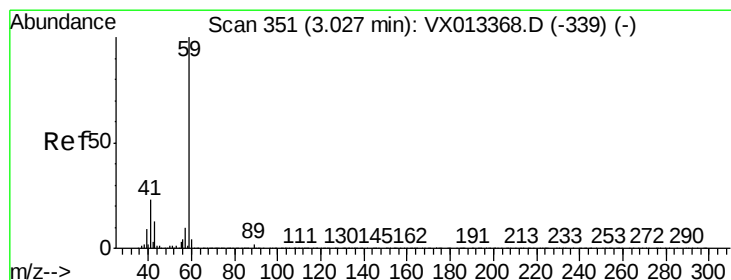
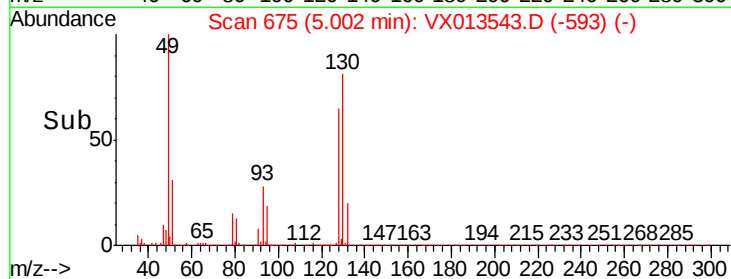
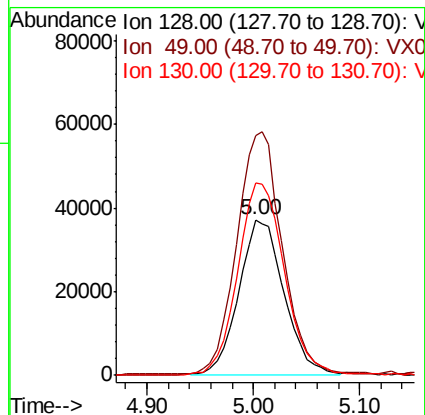
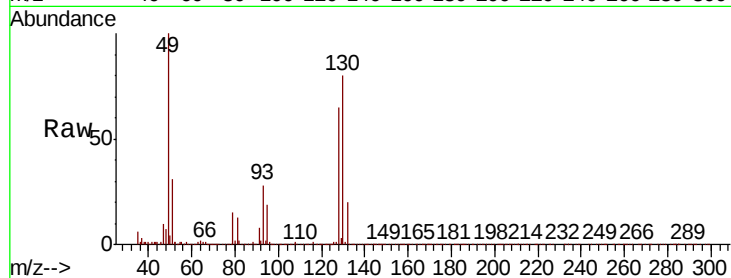
Delta R.T. -0.00 min

Lab File: VX013543.D

Acq: 22 Nov 2019 19:04

Instrument :
MSVOA_X
ClientSampleId :
14B-3

Tot Ion:	128	Resp:	110015
Ion	Ratio	Lower	Upper
128	100		
49	157.1	0.0	388.3
130	128.9	0.0	318.5



#23

tert-Butyl Alcohol

Concen: 5.693 ug/l

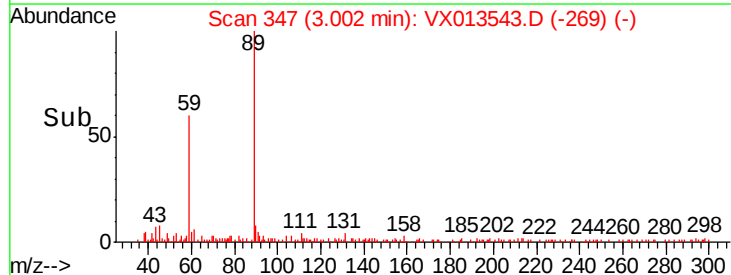
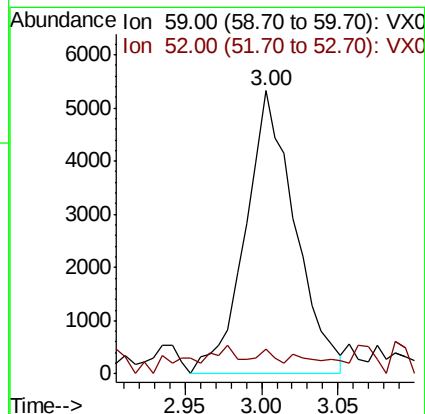
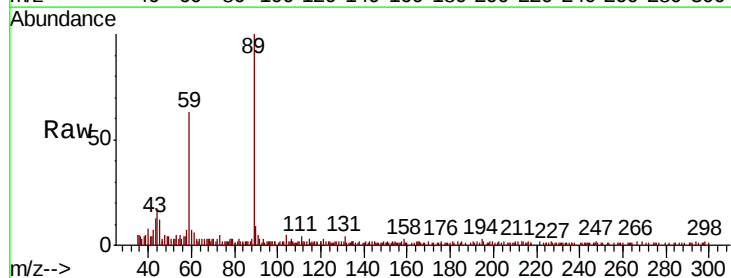
RT: 3.00 min Scan# 347

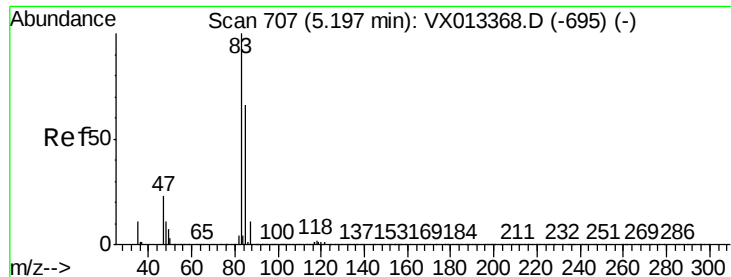
Delta R.T. -0.02 min

Lab File: VX013543.D

Acq: 22 Nov 2019 19:04

Tgt Ion:	59	Resp:	11994
Ion	Ratio	Lower	Upper
59	100		
52	1.3	0.1	0.1#





#25

Chloroform

Concen: 20.514 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX013543.D

Acq: 22 Nov 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

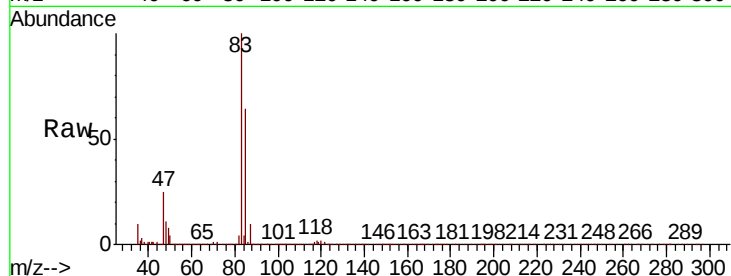
14B-3

Tot Ion: 83 Resp: 263280

Ion Ratio Lower Upper

83 100

85 64.1 52.4 78.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

5.20

80000

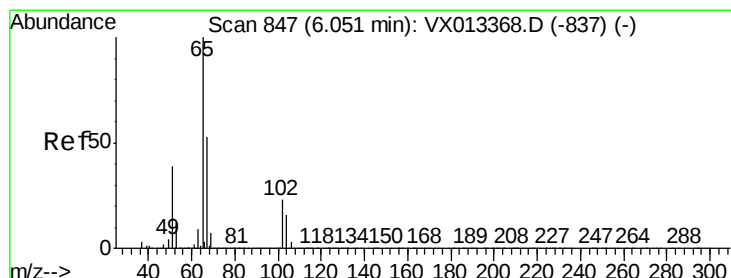
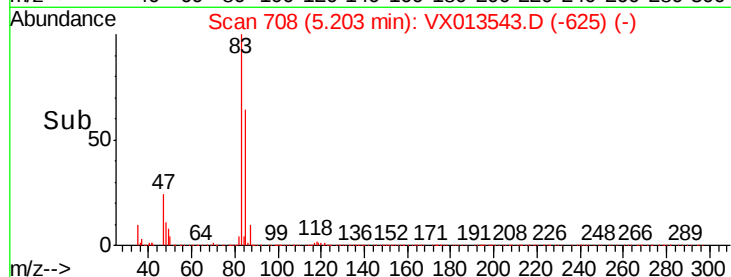
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane-d4

Concen: 28.907 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013543.D

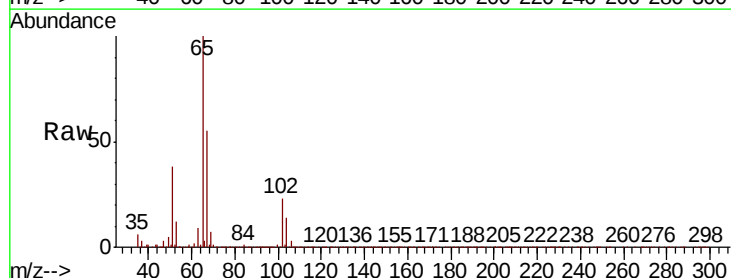
Acq: 22 Nov 2019 19:04

Tgt Ion: 65 Resp: 234834

Ion Ratio Lower Upper

65 100

67 53.9 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.05

100000

80000

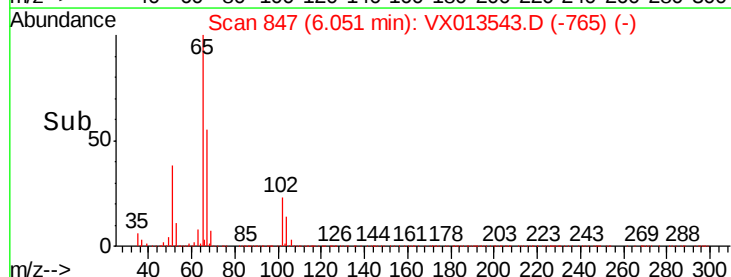
60000

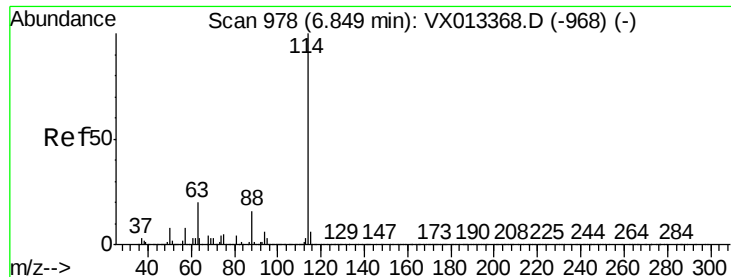
40000

20000

0

Time-->

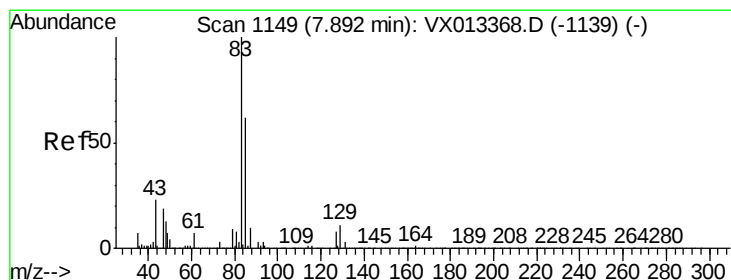
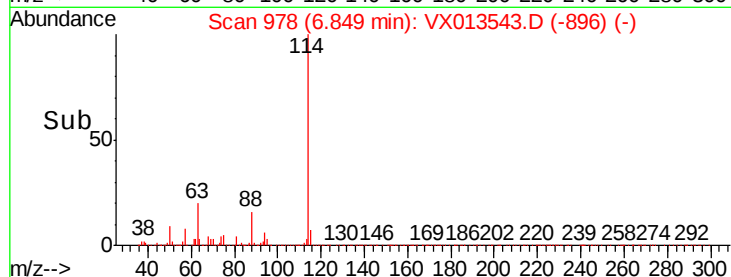
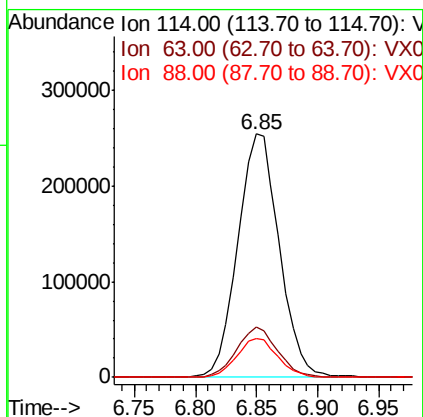
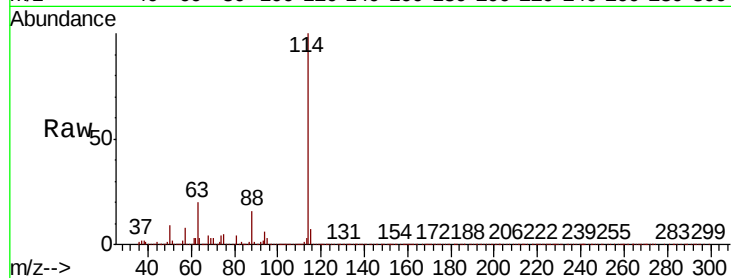




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013543.D
 Acq: 22 Nov 2019 19:04

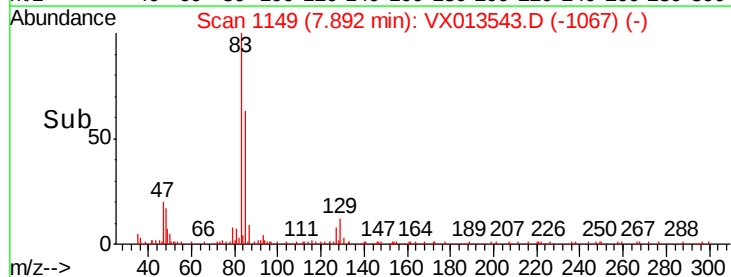
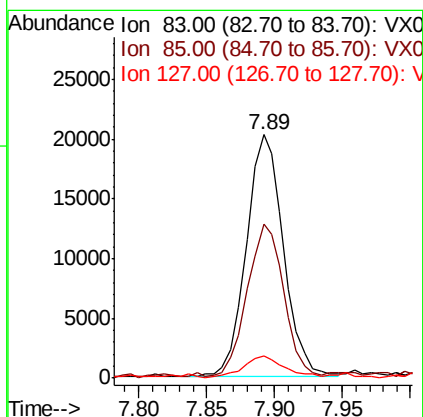
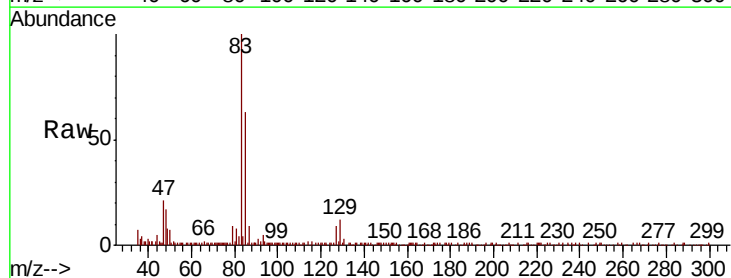
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

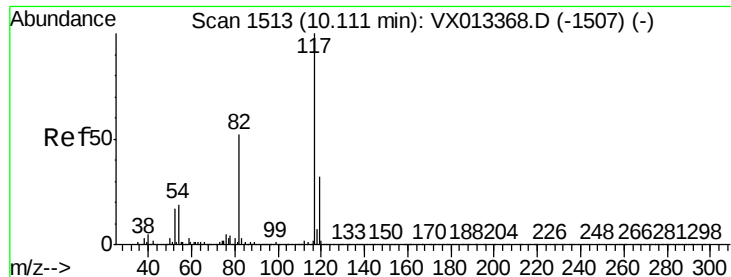
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	15.6	12.3	18.5



#41
 Bromodichloromethane
 Concen: 4.117 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX013543.D
 Acq: 22 Nov 2019 19:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.3	73.9
127	7.6	6.6	10.0

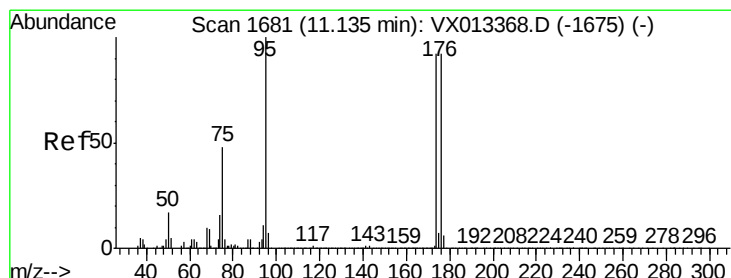
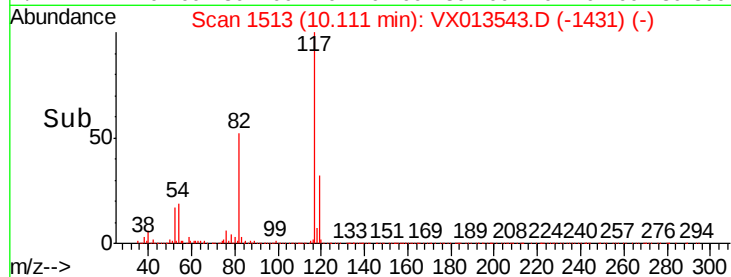
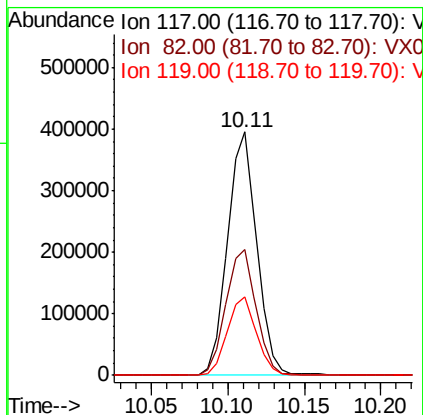
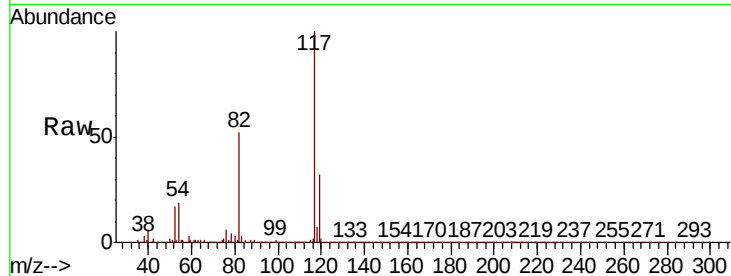




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013543.D
Acq: 22 Nov 2019 19:04

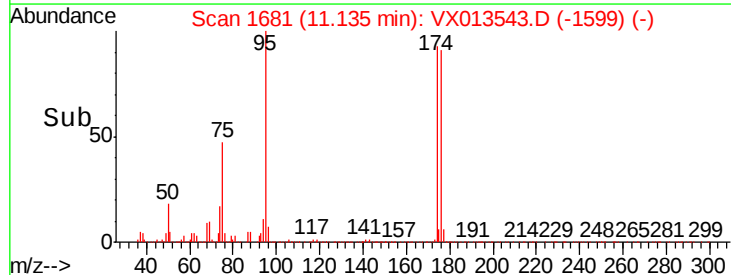
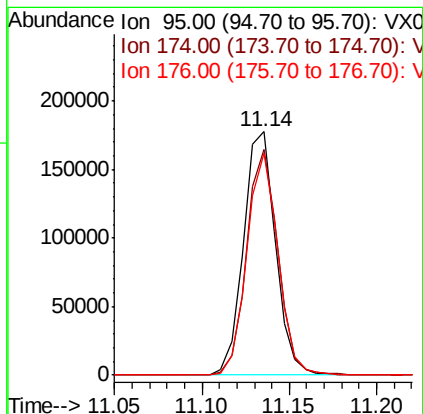
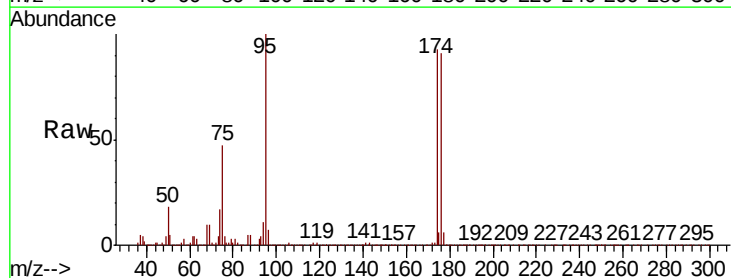
Instrument :
MSVOA_X
ClientSampled :
14B-3

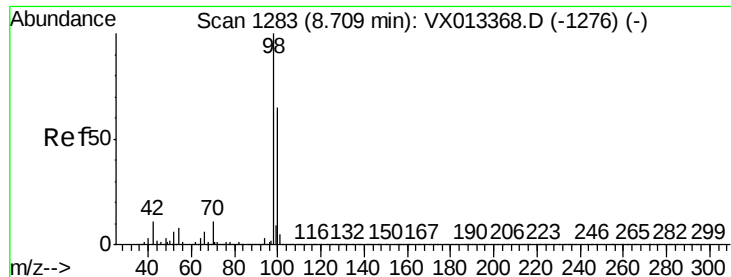
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.7	65.5
119	32.1	25.5	38.3



#60
4-Bromofluorobenzene
Concen: 27.212 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013543.D
Acq: 22 Nov 2019 19:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	70.2	105.2
176	87.4	68.3	102.5





#63

Toluene-d8

Concen: 30.178 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013543.D

Acq: 22 Nov 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

14B-3

Tot Ion: 98 Resp: 711381

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7

