

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013412.D
 Acq On : 14 Nov 2019 11:09
 Operator : JC/SP
 Sample : K5804-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 15 00:53:09 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	120056	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	655192	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	569824	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	257626	29.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.87%
60) 4-Bromofluorobenzene	11.13	95	250995	27.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.37%
63) Toluene-d8	8.71	98	777856	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

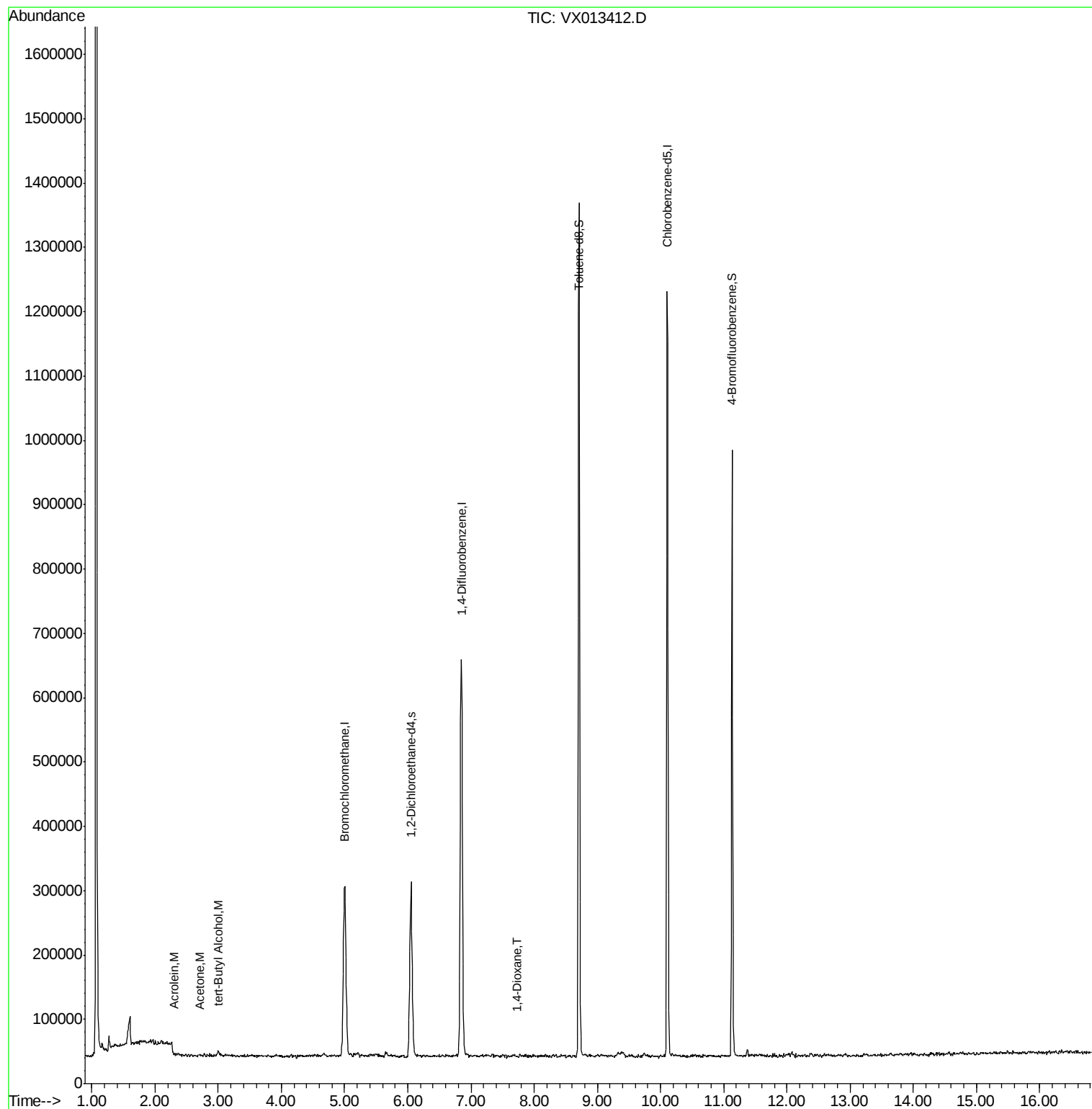
					Ovalue
13) Acrolein	2.30	56	309	0.224 ug/l	86
15) Acetone	2.70	58	331	0.229 ug/l	83
23) tert-Butyl Alcohol	3.00	59	4895	2.129 ug/l #	99
45) 1,4-Dioxane	7.74	88	364	1.702 ug/l #	41

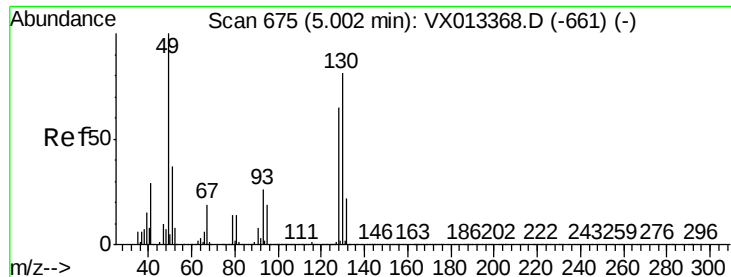
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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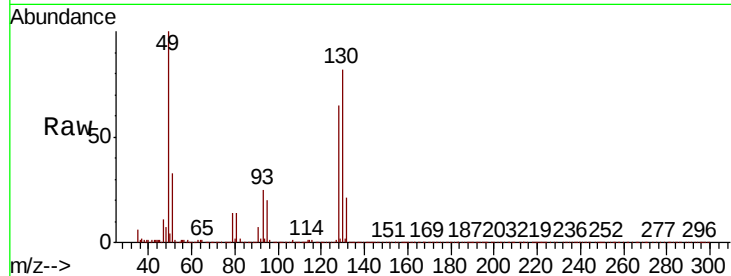


#1

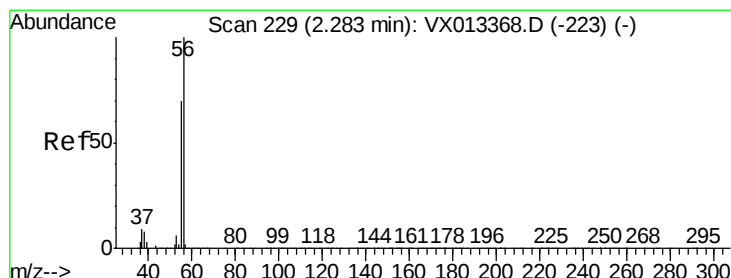
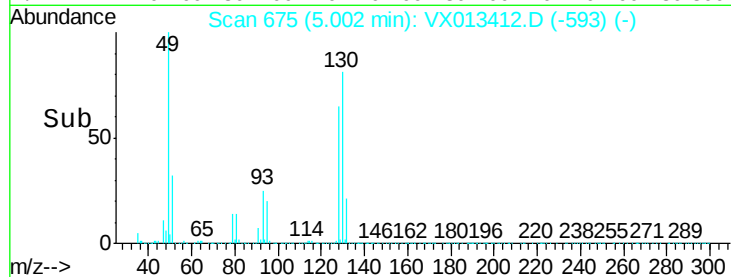
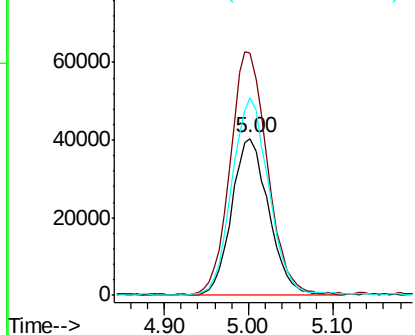
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX013412.D
 Acq: 14 Nov 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
49	155.4	0.0	388.3
130	125.5	0.0	318.5



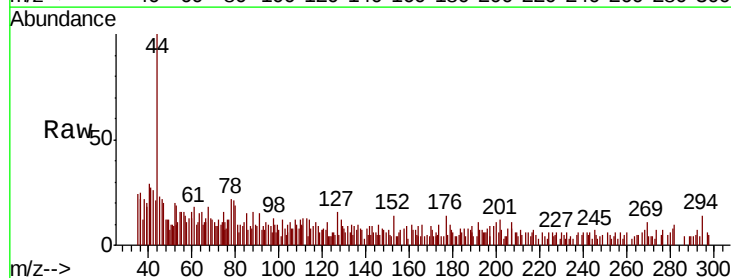
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VX0
 Ion 130.00 (129.70 to 130.70): V



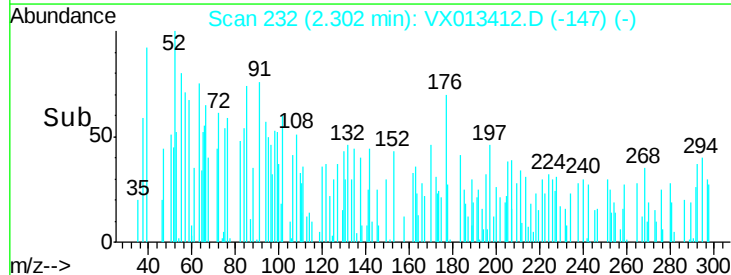
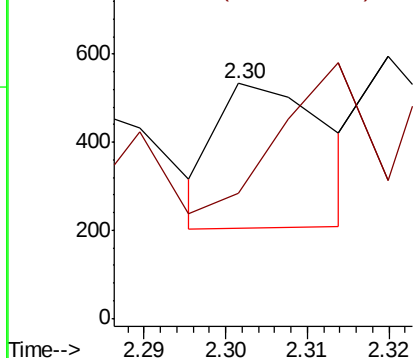
#13

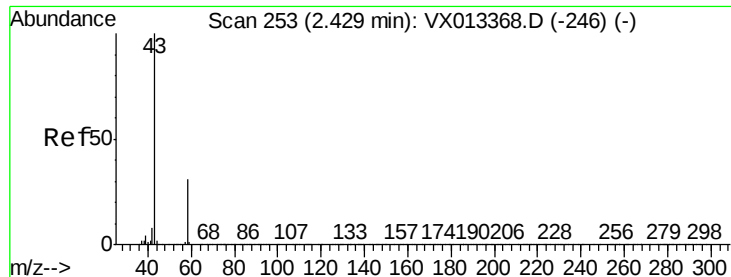
Acrolein
 Concen: 0.224 ug/l
 RT: 2.30 min Scan# 232
 Delta R.T. 0.02 min
 Lab File: VX013412.D
 Acq: 14 Nov 2019 11:09

Tgt Ion	Ratio	Lower	Upper
56	100		
55	81.6	55.8	83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0

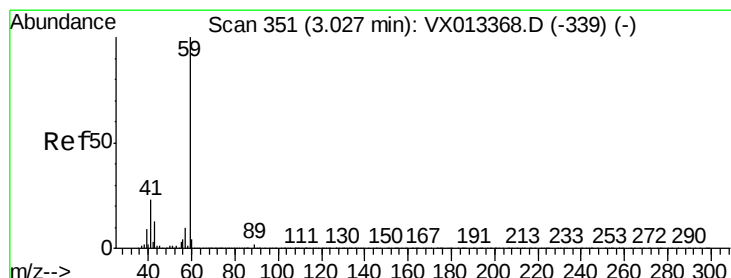
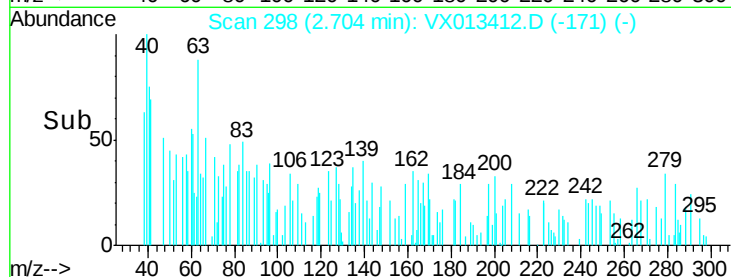
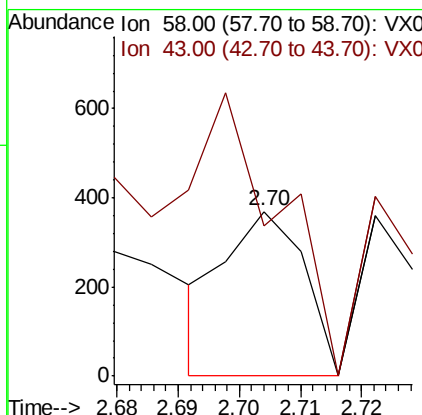
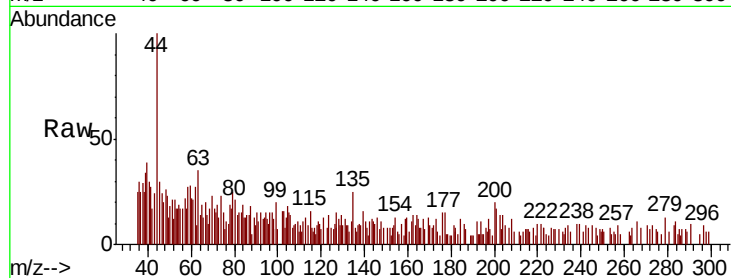




#15
Acetone
Concen: 0.229 ug/l
RT: 2.70 min Scan# 298
Delta R.T. 0.27 min
Lab File: VX013412.D
Acq: 14 Nov 2019 11:09

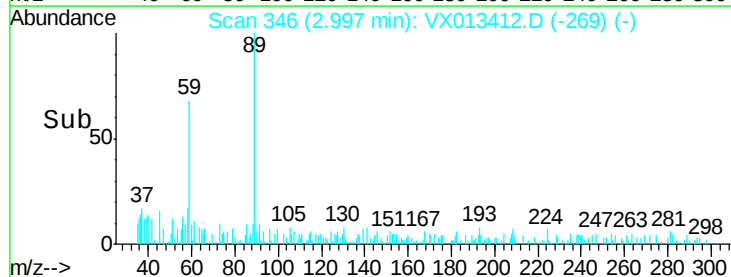
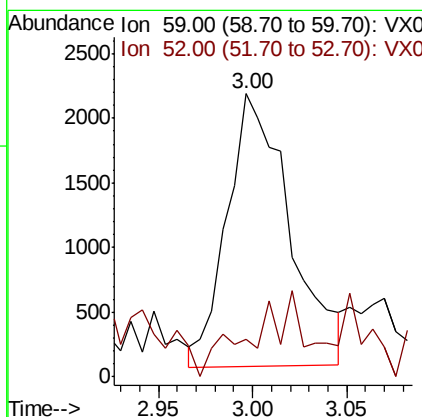
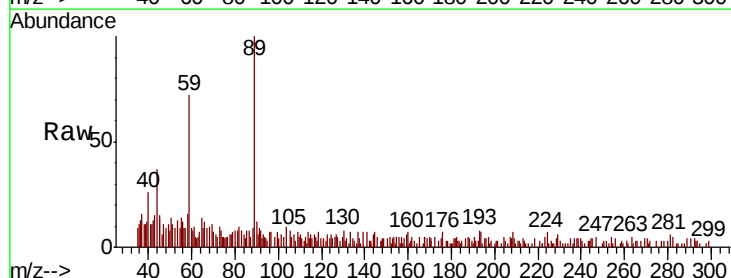
Instrument :
MSVOA_X
ClientSampleId :

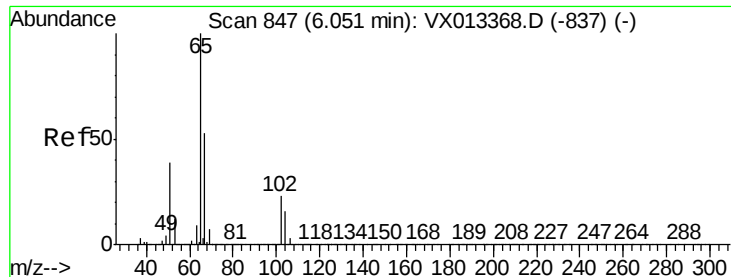
Tot Ion: 58 Resp: 331
Ion Ratio Lower Upper
58 100
43 291.4 261.4 392.2



#23
tert-Butyl Alcohol
Concen: 2.129 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.03 min
Lab File: VX013412.D
Acq: 14 Nov 2019 11:09

Tgt Ion: 59 Resp: 4895
Ion Ratio Lower Upper
59 100
52 2.9 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 29.060 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013412.D

Acq: 14 Nov 2019 11:09

Instrument :

MSVOA_X

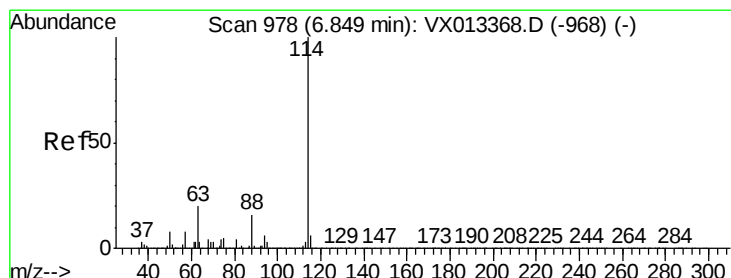
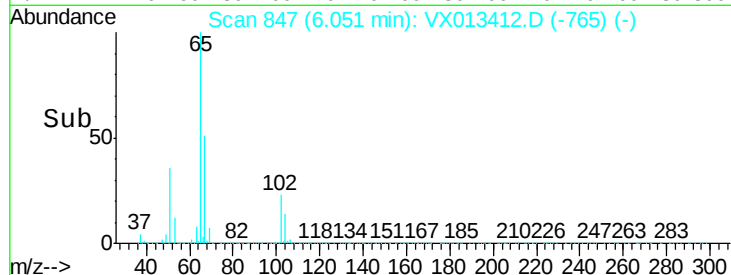
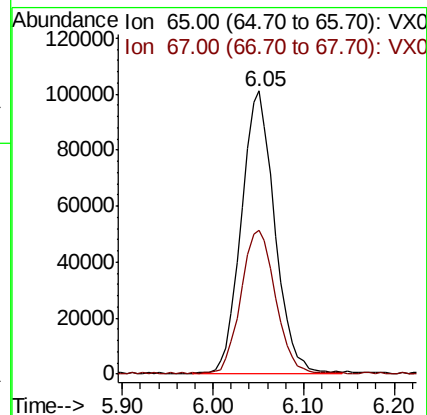
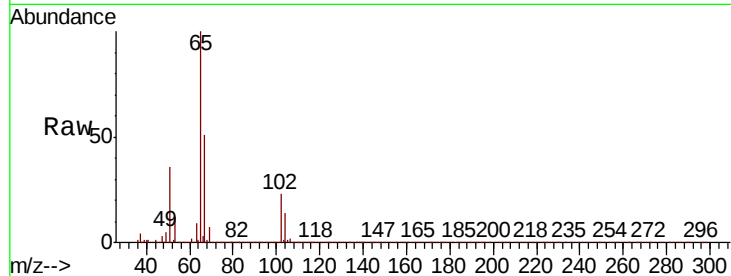
ClientSampled :

Tot Ion: 65 Resp: 257626

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: VX013412.D

Acq: 14 Nov 2019 11:09

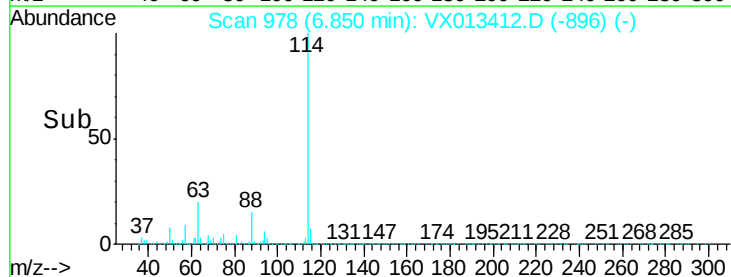
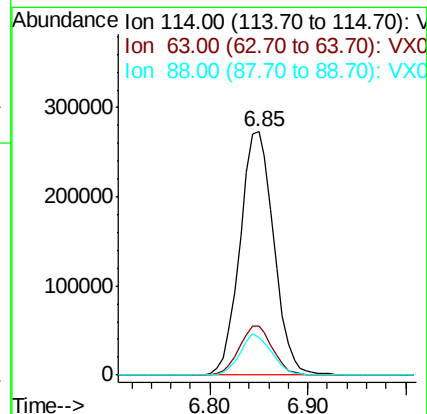
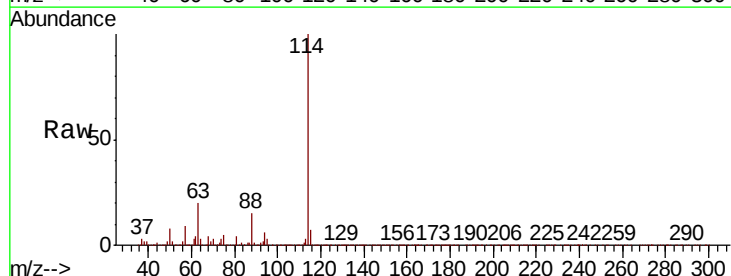
Tgt Ion: 114 Resp: 655192

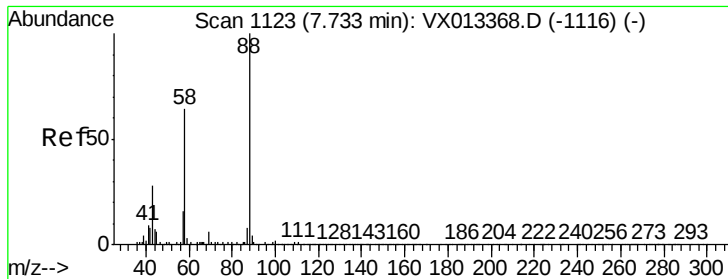
Ion Ratio Lower Upper

114 100

63 19.6 16.1 24.1

88 15.7 12.3 18.5





#45

1,4-Dioxane

Concen: 1.702 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

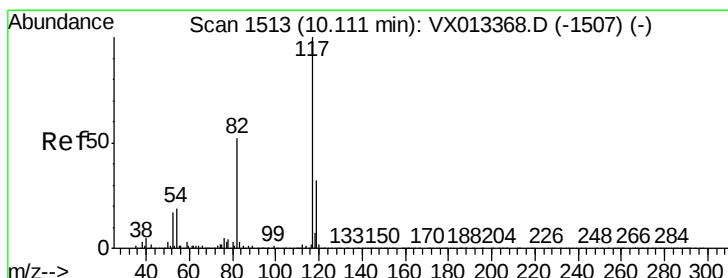
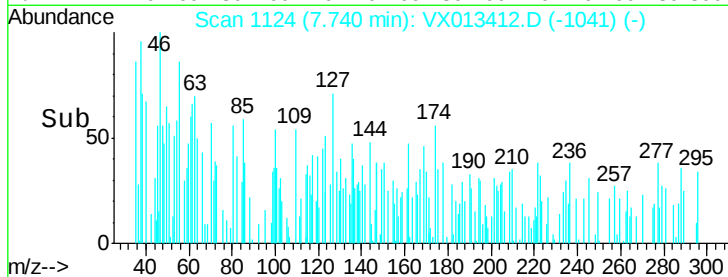
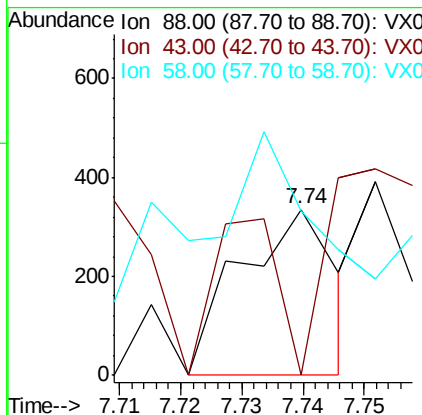
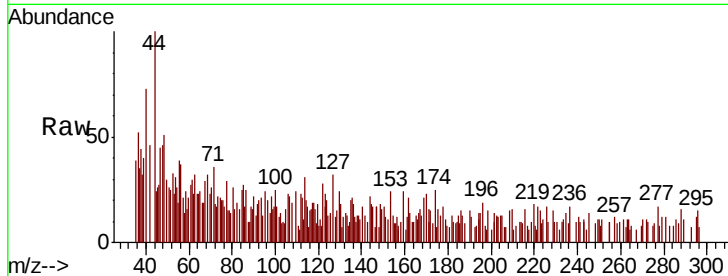
Lab File: VX013412.D

Acq: 14 Nov 2019 11:09

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 364

Ion	Ratio	Lower	Upper
88	100		
43	62.6	26.1	39.1#
58	120.6	55.8	83.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1512

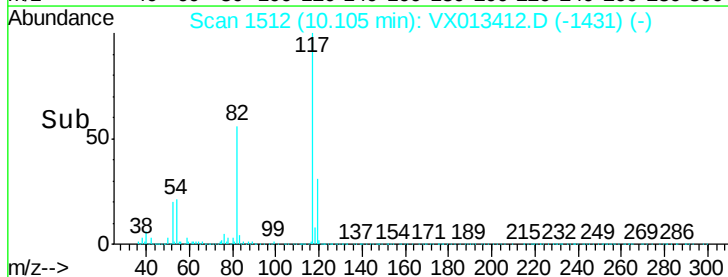
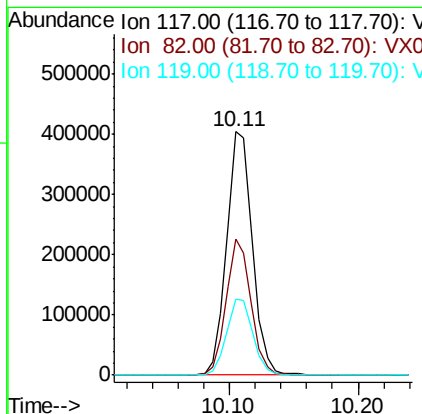
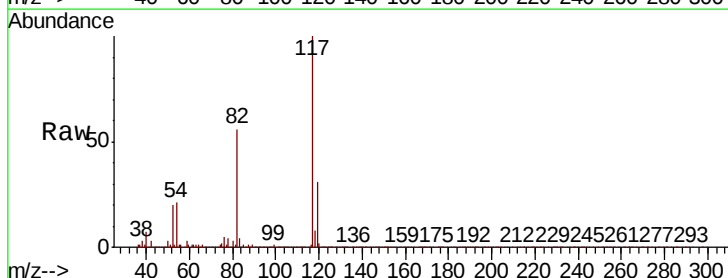
Delta R.T. -0.01 min

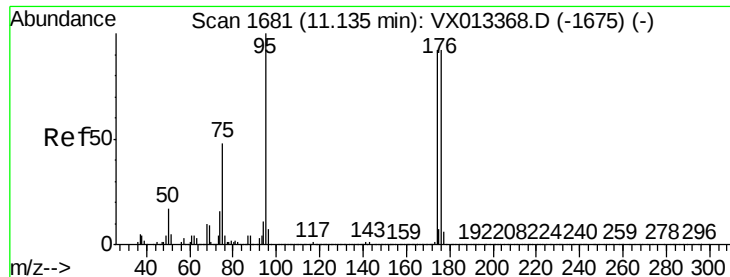
Lab File: VX013412.D

Acq: 14 Nov 2019 11:09

Tgt Ion: 117 Resp: 569824

Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.7	65.5
119	31.7	25.5	38.3

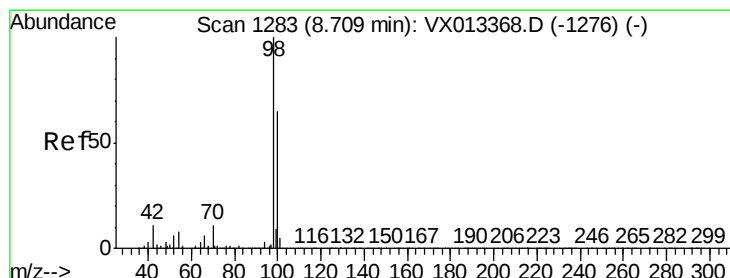
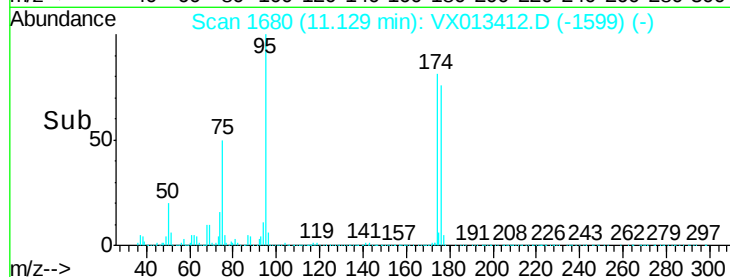
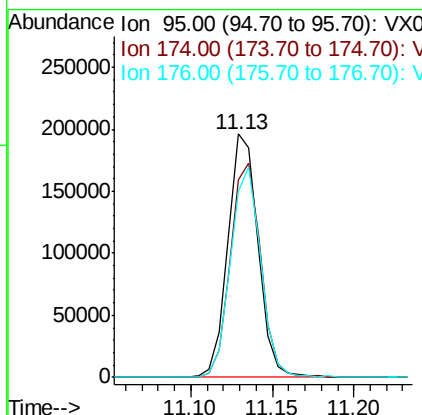
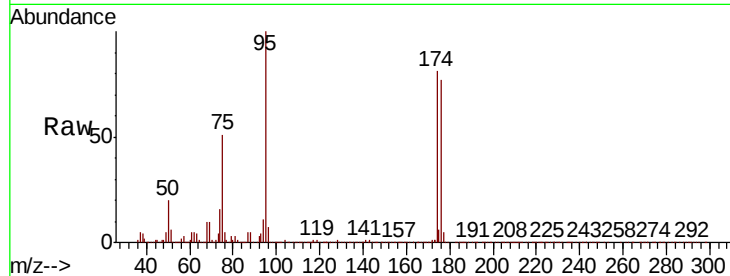




#60
4-Bromofluorobenzene
Concen: 27.405 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013412.D
Acq: 14 Nov 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.0	70.2	105.2
176	86.3	68.3	102.5



#63
Toluene-d8
Concen: 30.188 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013412.D
Acq: 14 Nov 2019 11:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7

