

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120719\
 Data File : VX0137838.D
 Acq On : 07 Dec 2019 01:53 pm
 Operator : JC/SP
 Sample : VX1207WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 09 02:11:47 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	5.01	128	104328	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	580615	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	500452	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.05	65	225169	29.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.43%
60) 4-Bromofluorobenzene	11.13	95	224580	27.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.07%
63) Toluene-d8	8.71	98	688083	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

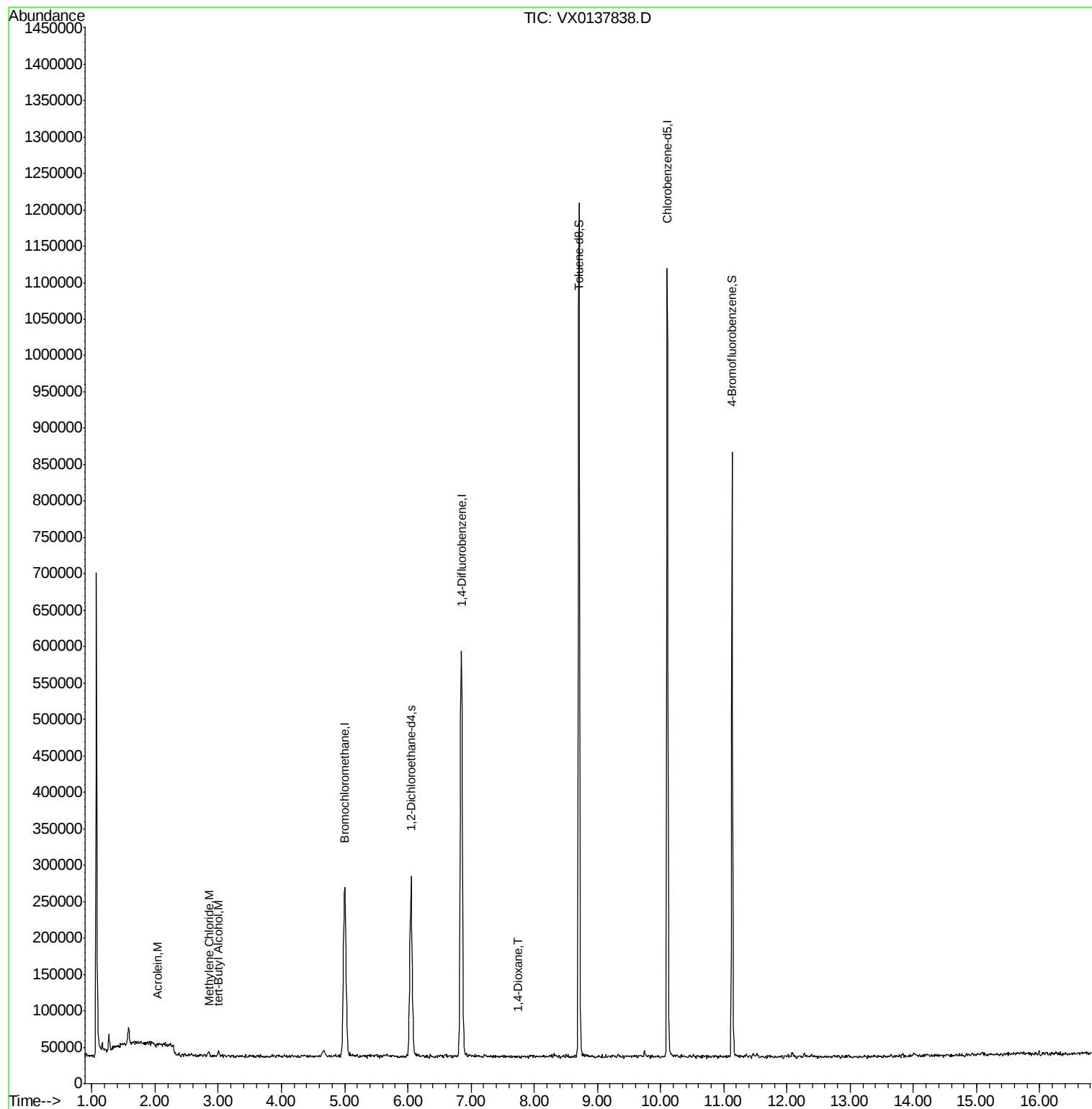
Target Compounds					Ovalue
13) Acrolein	2.03	56	334	0.278 ug/l	84
18) Methylene Chloride	2.84	84	3338	0.457 ug/l	85
23) tert-Butyl Alcohol	3.00	59	3971	1.987 ug/l #	94
45) 1,4-Dioxane	7.74	88	256	1.351 ug/l #	1

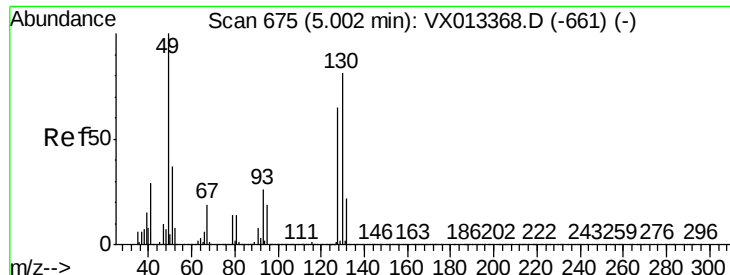
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX0137838.D

Acq: 07 Dec 2019 01:53 pm

Instrument :

MSVOA_X

ClientSampleId :

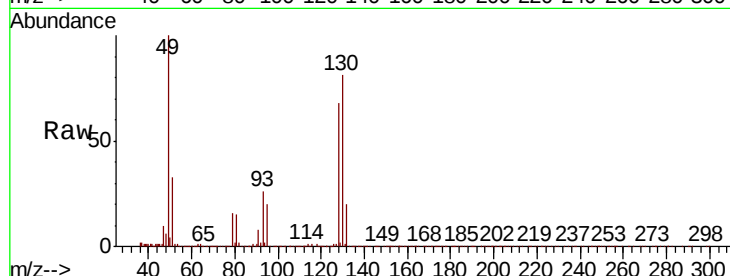
Tot Ion:128 Resp: 104328

Ion Ratio Lower Upper

128 100

49 158.6 0.0 388.3

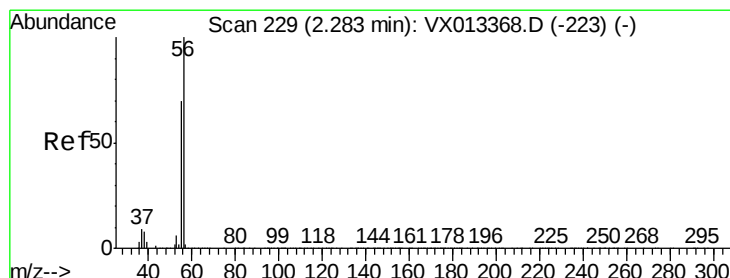
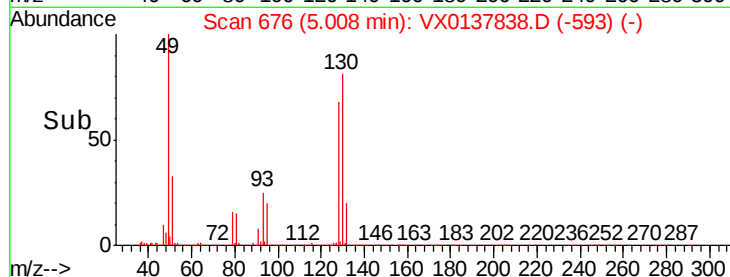
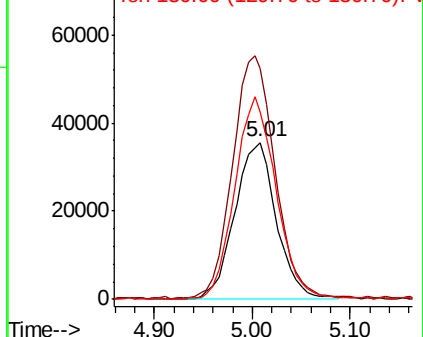
130 128.7 0.0 318.5



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: 0.278 ug/l

RT: 2.03 min Scan# 188

Delta R.T. -0.25 min

Lab File: VX0137838.D

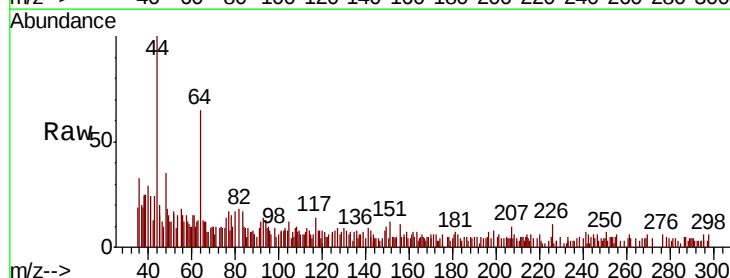
Acq: 07 Dec 2019 01:53 pm

Tgt Ion: 56 Resp: 334

Ion Ratio Lower Upper

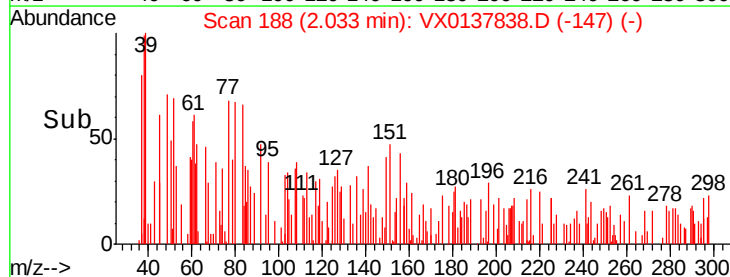
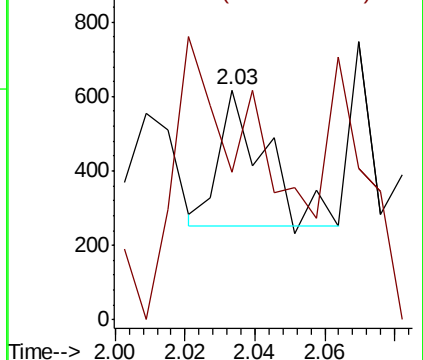
56 100

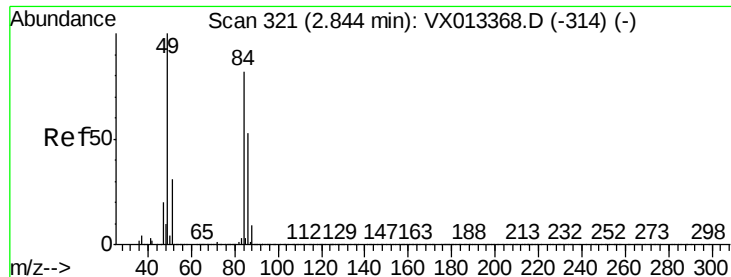
55 83.2 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

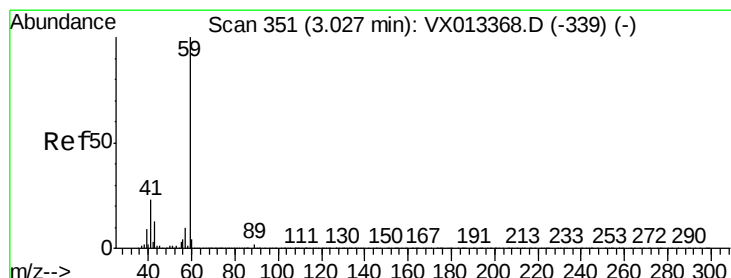
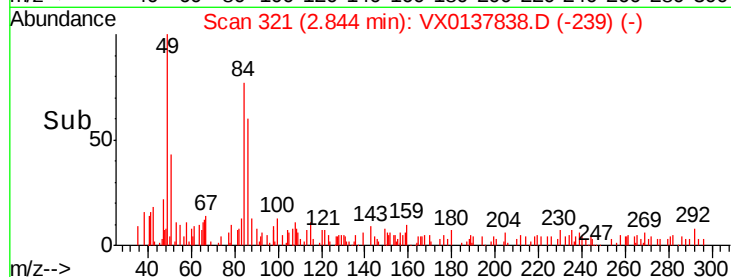
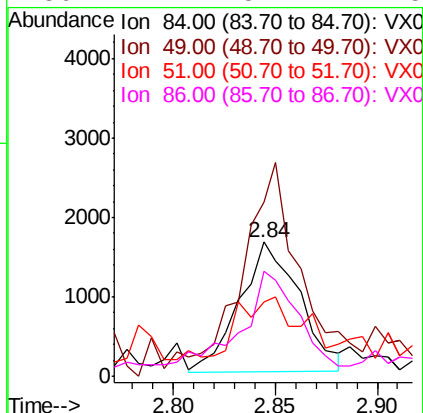
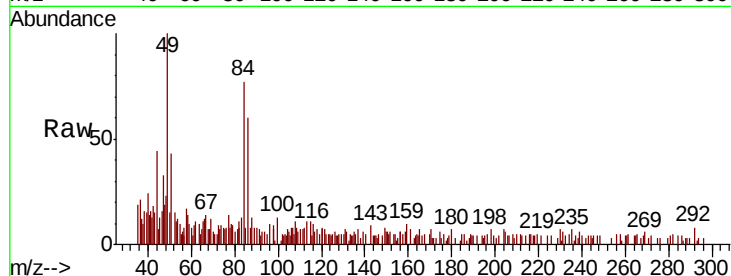




#18
Methvlene Chloride
Concen: 0.457 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX0137838.D
Acq: 07 Dec 2019 01:53 pm

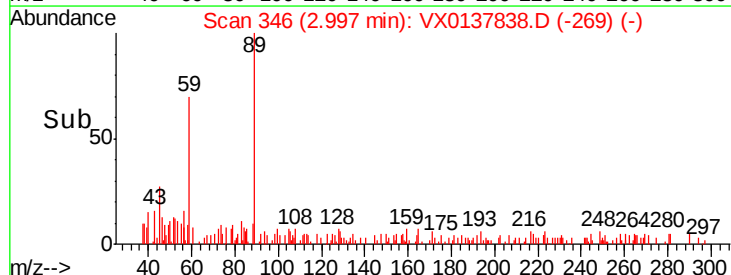
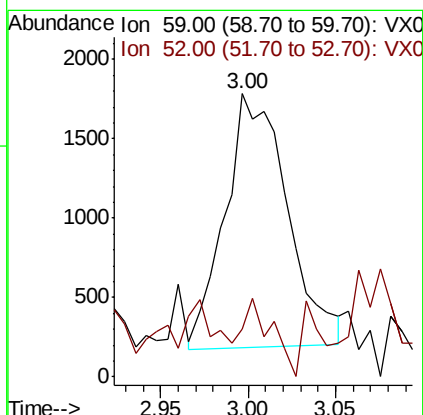
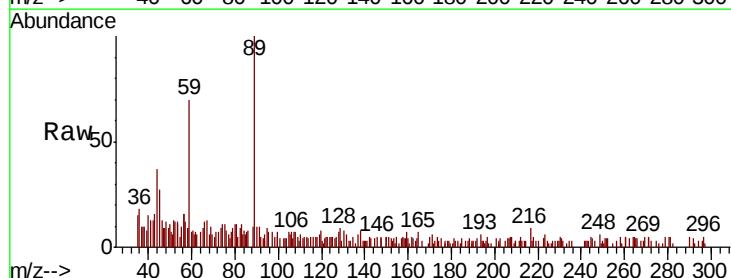
Instrument :
MSVOA_X
ClientSampleId :

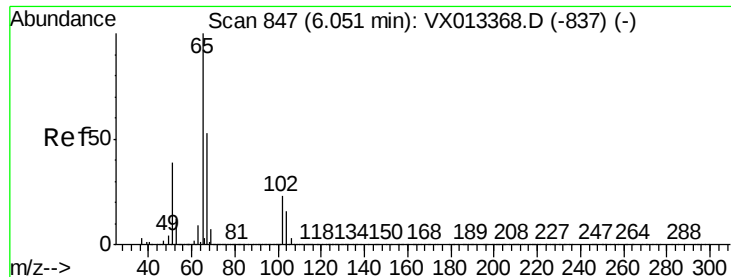
Tot Ion: 84 Resp: 3338
Ion Ratio Lower Upper
84 100
49 140.1 96.8 145.2
51 44.6 30.0 45.0
86 74.7 51.7 77.5



#23
tert-Butyl Alcohol
Concen: 1.987 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.03 min
Lab File: VX0137838.D
Acq: 07 Dec 2019 01:53 pm

Tgt Ion: 59 Resp: 3971
Ion Ratio Lower Upper
59 100
52 14.6 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 29.228 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX0137838.D

Acq: 07 Dec 2019 01:53 pm

Instrument :

MSVOA_X

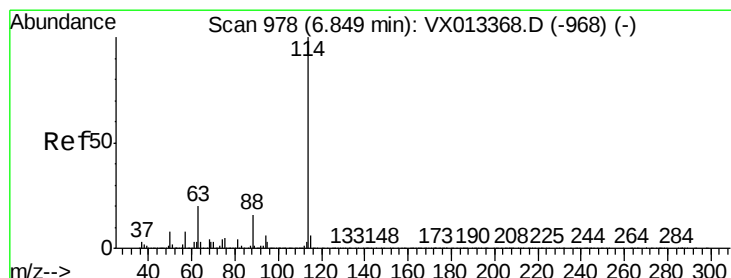
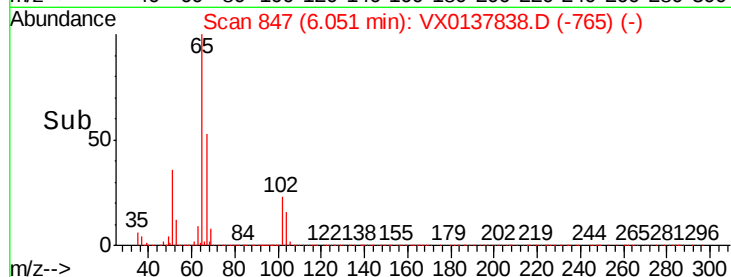
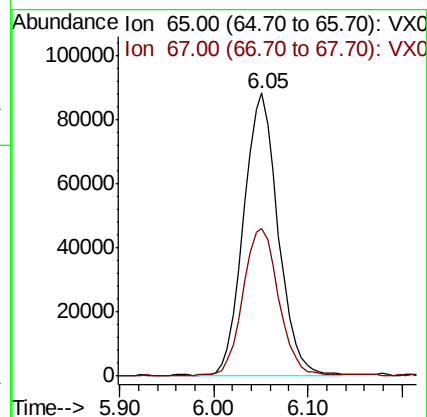
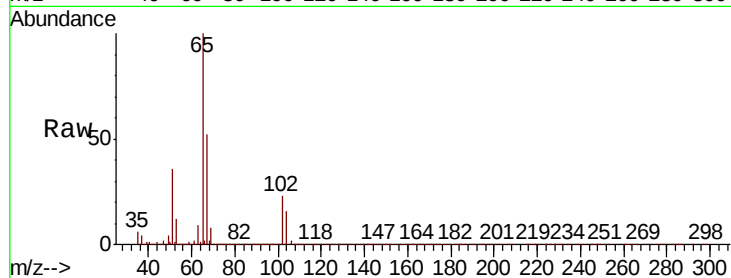
ClientSampleId :

Tot Ion: 65 Resp: 225169

Ion Ratio Lower Upper

65 100

67 53.5 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: VX0137838.D

Acq: 07 Dec 2019 01:53 pm

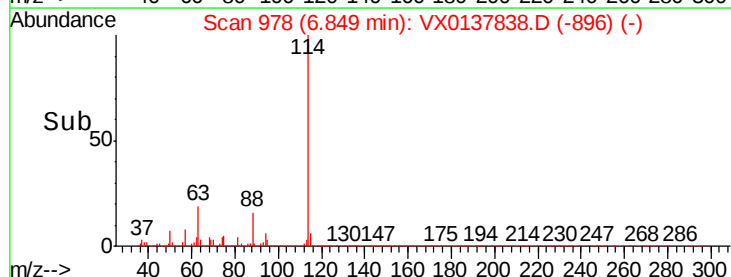
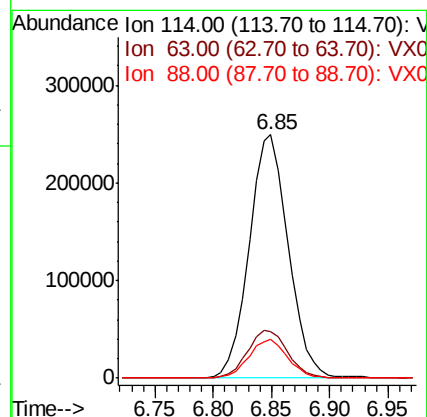
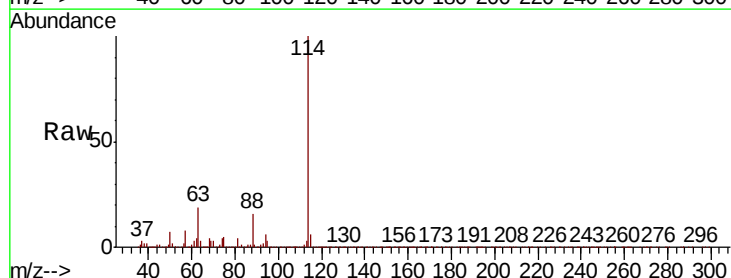
Tgt Ion: 114 Resp: 580615

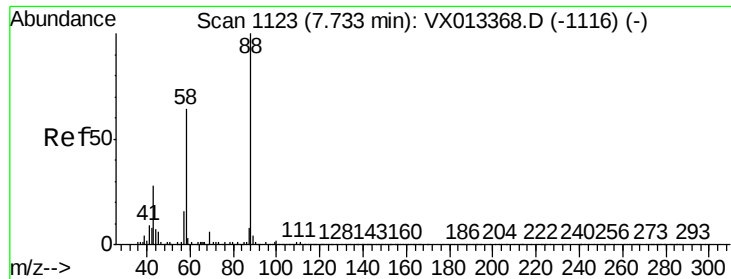
Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

88 15.9 12.3 18.5





#45

1,4-Dioxane

Concen: 1.351 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX0137838.D

Acq: 07 Dec 2019 01:53 pm

Instrument :
MSVOA_X
ClientSampleId :

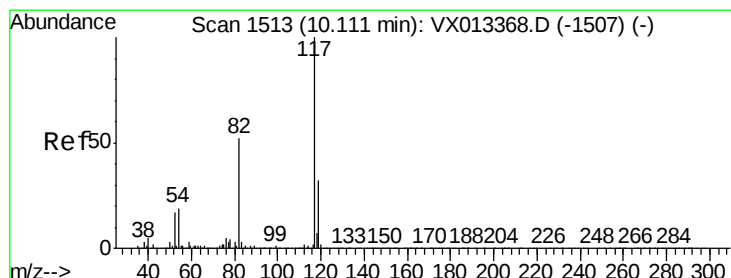
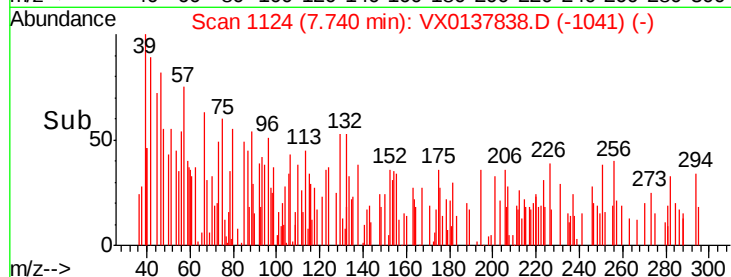
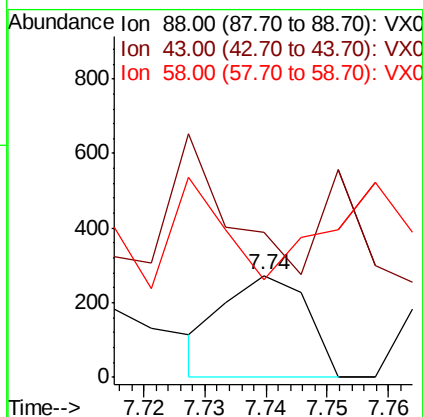
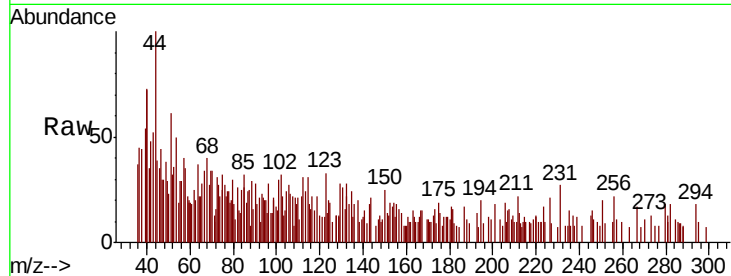
Tot Ion: 88 Resp: 256

Ion Ratio Lower Upper

88 100

43 68.8 26.1 39.1#

58 189.5 55.8 83.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX0137838.D

Acq: 07 Dec 2019 01:53 pm

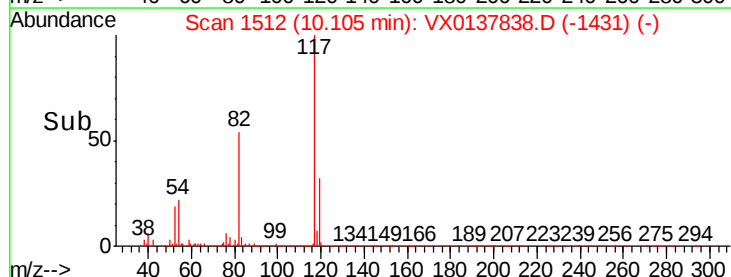
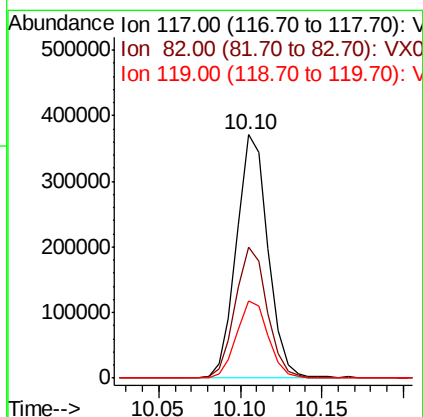
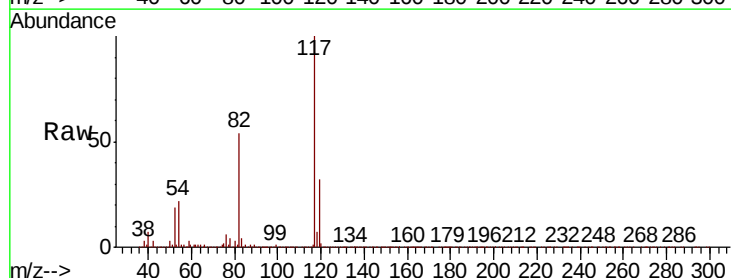
Tgt Ion: 117 Resp: 500452

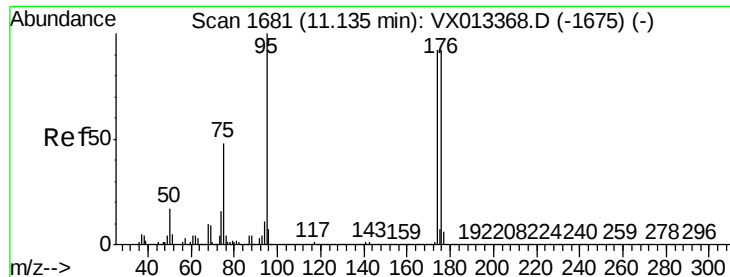
Ion Ratio Lower Upper

117 100

82 54.0 43.7 65.5

119 32.2 25.5 38.3

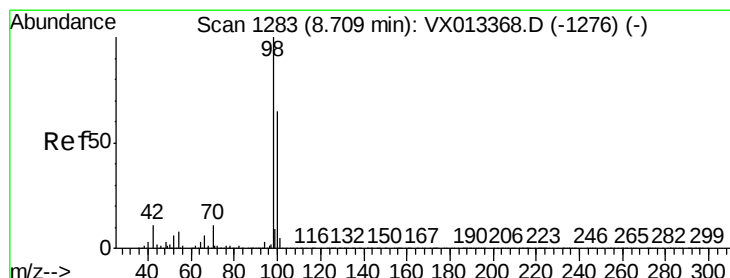
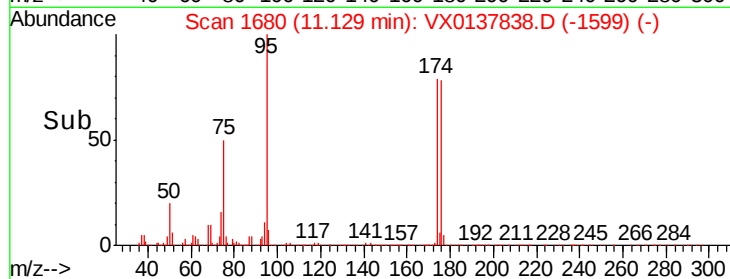
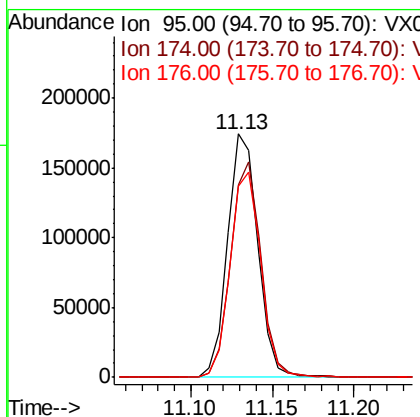
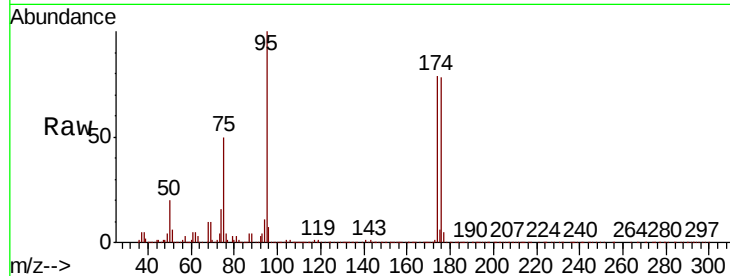




#60
4-Bromofluorobenzene
Concen: 27.920 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX0137838.D
Acq: 07 Dec 2019 01:53 pm

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.4	70.2	105.2
176	85.5	68.3	102.5



#63
Toluene-d8
Concen: 30.405 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX0137838.D
Acq: 07 Dec 2019 01:53 pm

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.5	78.7

