

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111219\
 Data File : VX013375.D
 Acq On : 12 Nov 2019 10:39
 Operator : JC/SP
 Sample : VX1112WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBL01

Quant Time: Nov 12 12:30:34 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	132969	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	742082	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	646110	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	288805	29.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.03%
60) 4-Bromofluorobenzene	11.13	95	291159	28.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.47%
63) Toluene-d8	8.71	98	894904	30.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.10%

Target Compounds

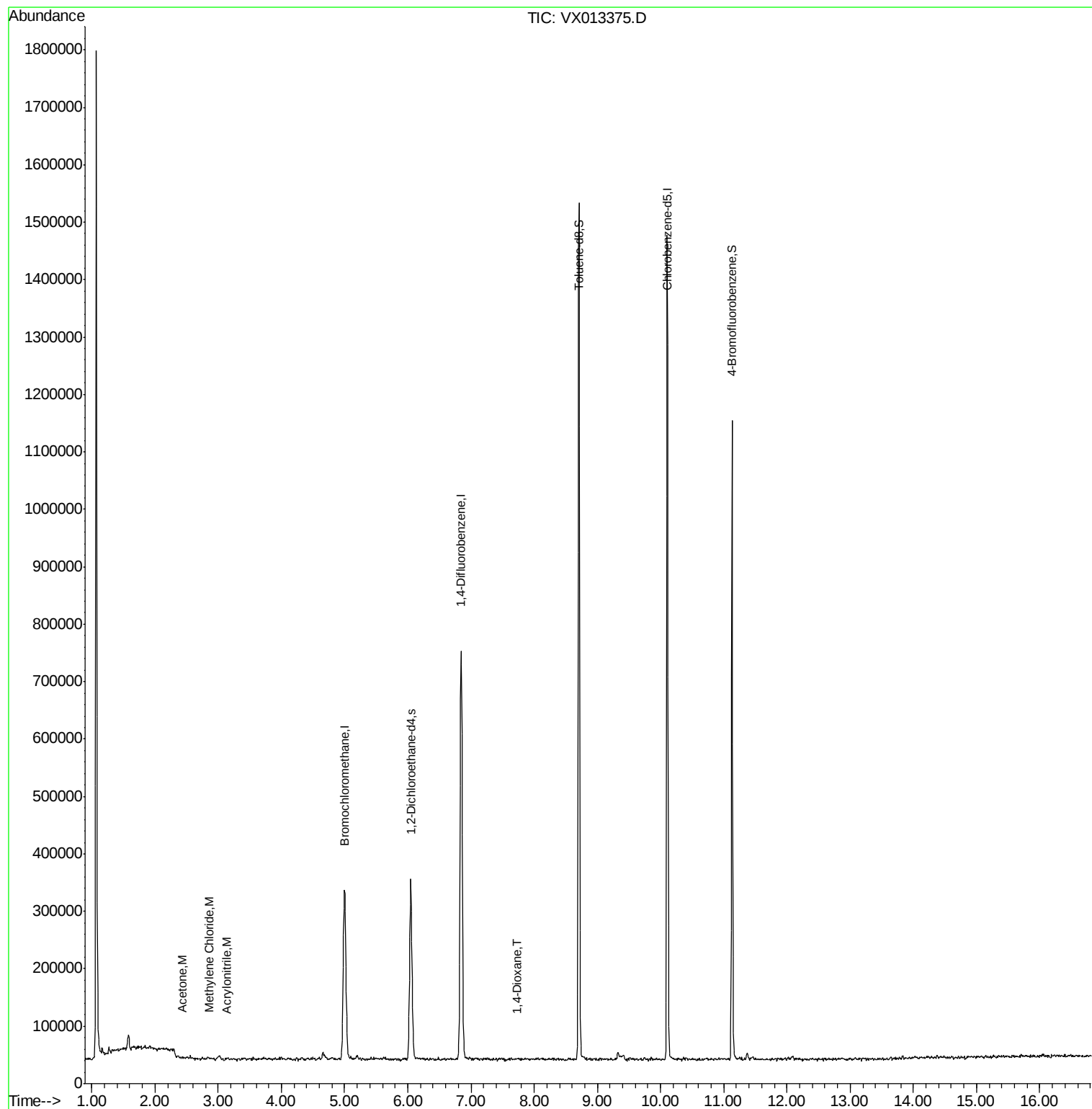
					Qvalue	
14) Acrylonitrile	3.13	53	1234	0.233	ug/l #	26
15) Acetone	2.44	58	433	0.270	ug/l #	1
18) Methylene Chloride	2.85	84	2086	0.224	ug/l #	60
45) 1,4-Dioxane	7.74	88	74	0.306	ug/l #	1

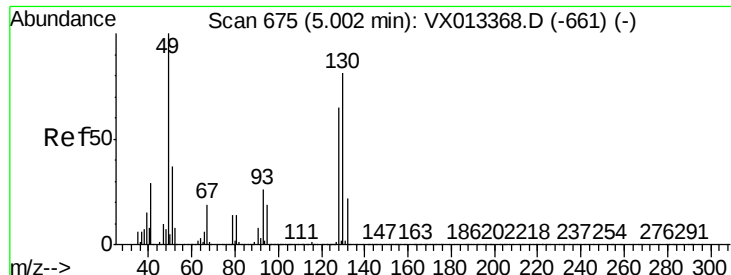
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX111219\
Data File : VX013375.D
Acq On : 12 Nov 2019 10:39
Operator : JC/SP
Sample : VX1112WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

Quant Time: Nov 12 12:30:34 2019
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX013375.D

Acq: 12 Nov 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL01

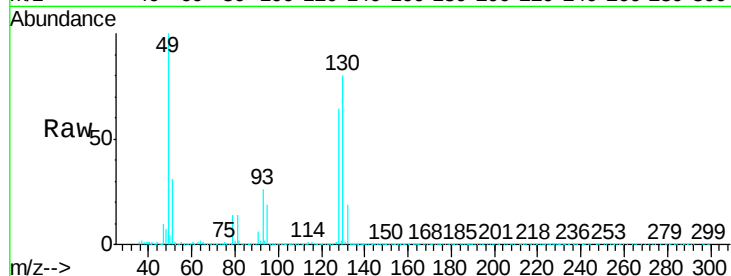
Tgt Ion:128 Resp: 132969

Ion Ratio Lower Upper

128 100

49 157.6 0.0 388.3

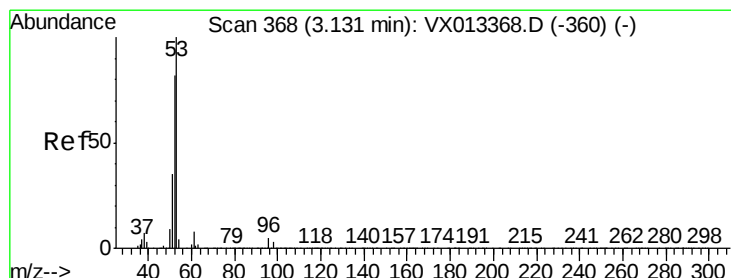
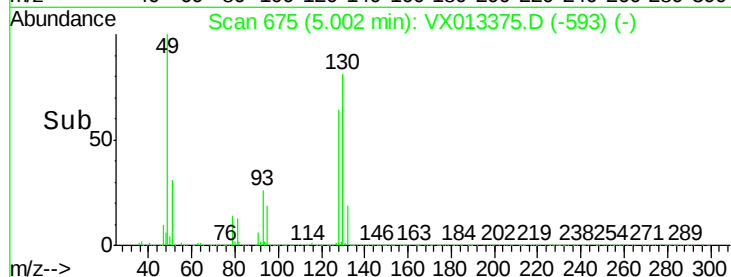
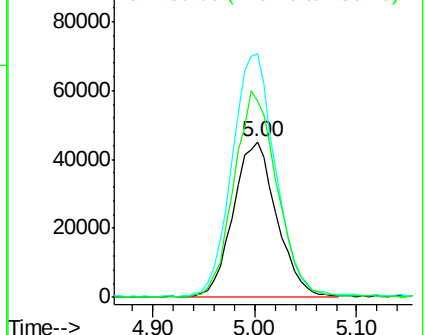
130 132.7 0.0 318.5



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



#14

Acrylonitrile

Concen: 0.233 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013375.D

Acq: 12 Nov 2019 10:39

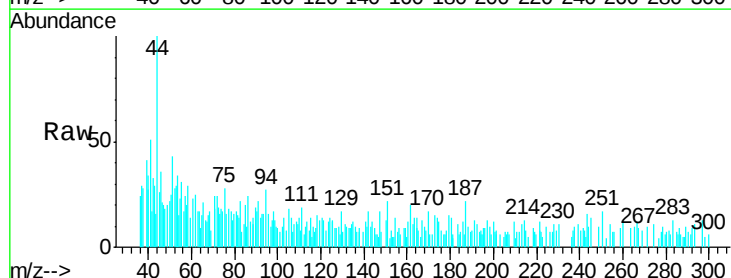
Tgt Ion: 53 Resp: 1234

Ion Ratio Lower Upper

53 100

52 0.0 41.0 123.0#

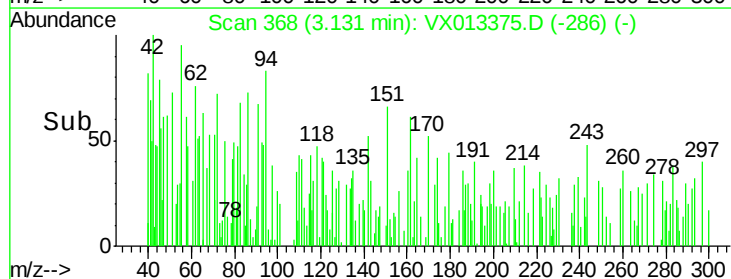
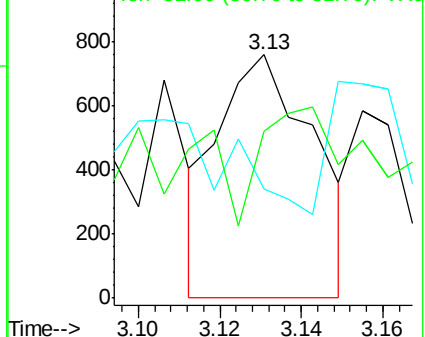
51 16.0 17.3 51.9#

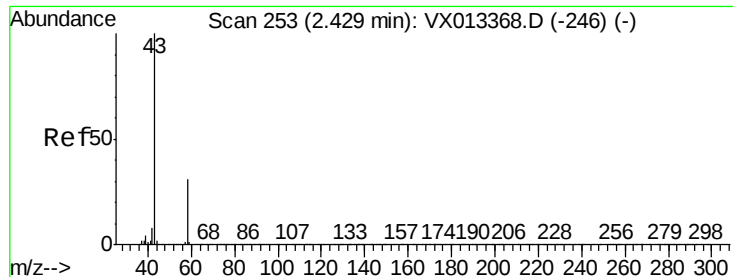


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 0.270 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013375.D

Acq: 12 Nov 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

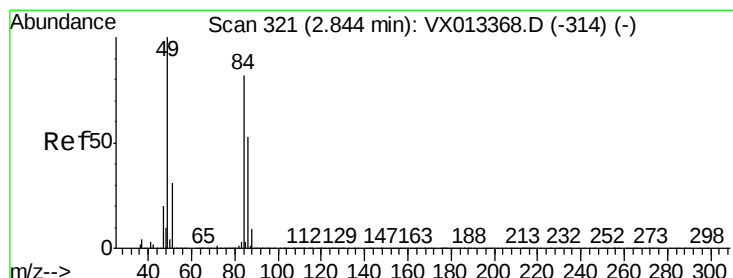
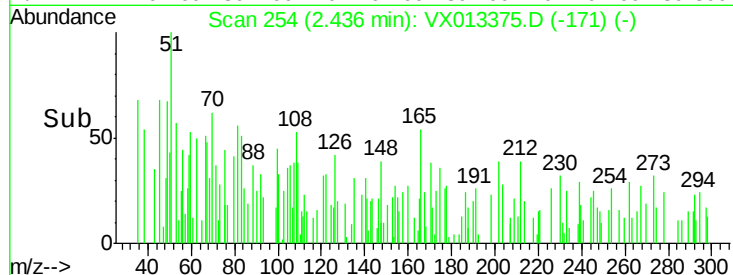
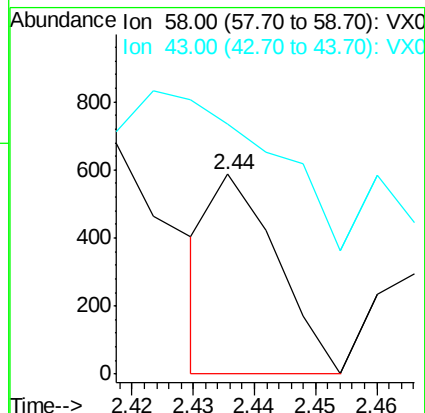
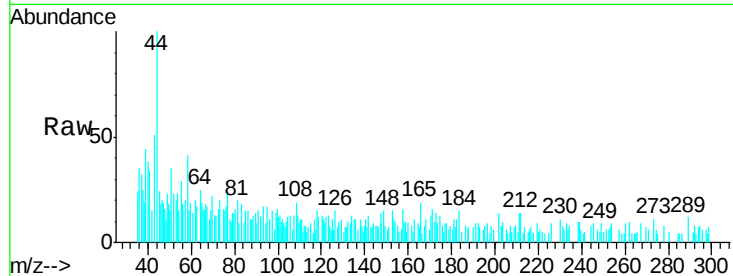
VX1112WBL01

Tgt Ion: 58 Resp: 433

Ion Ratio Lower Upper

58 100

43 63.4 261.4 392.2#



#18

Methylene Chloride

Concen: 0.224 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013375.D

Acq: 12 Nov 2019 10:39

Tgt Ion: 84 Resp: 2086

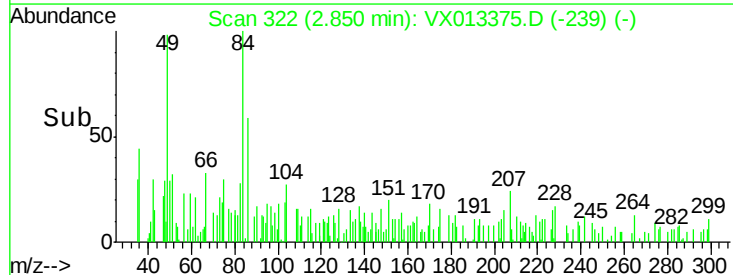
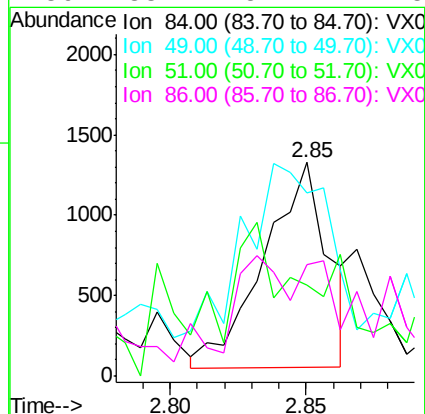
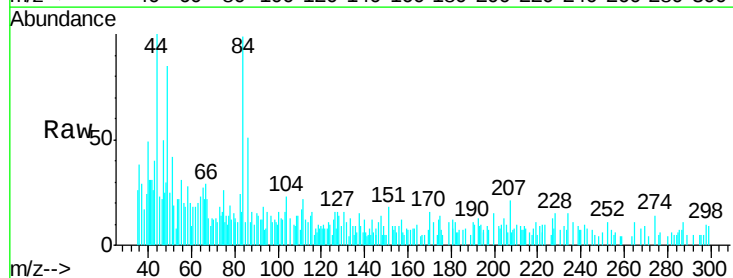
Ion Ratio Lower Upper

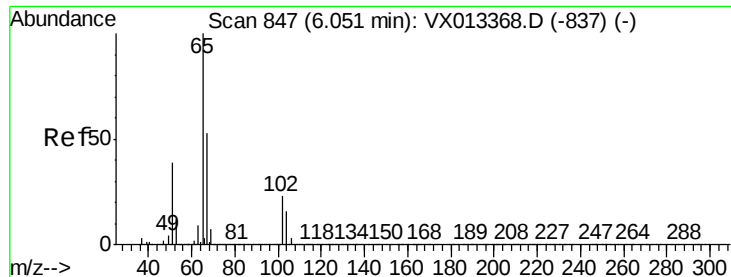
84 100

49 71.7 96.8 145.2#

51 21.5 30.0 45.0#

86 33.4 51.7 77.5#





#27

1,2-Dichloroethane-d4

Concen: 29.414 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013375.D

Acq: 12 Nov 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

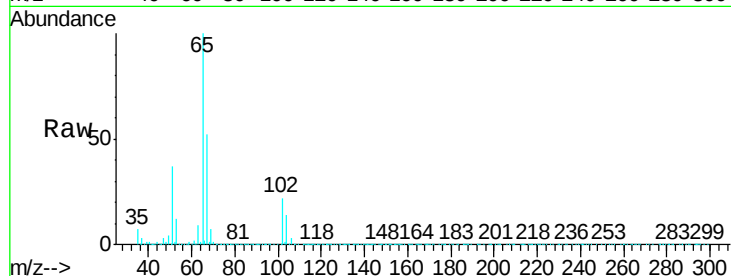
VX1112WBL01

Tgt Ion: 65 Resp: 288805

Ion Ratio Lower Upper

65 100

67 52.2 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.04

120000

100000

80000

60000

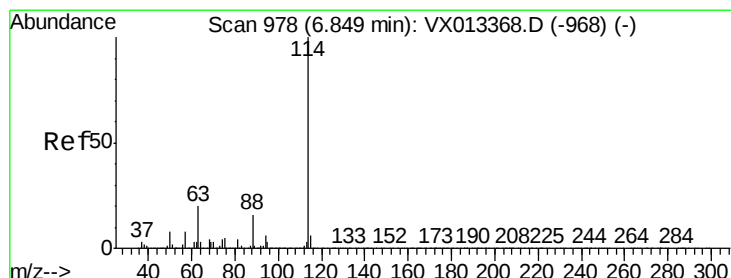
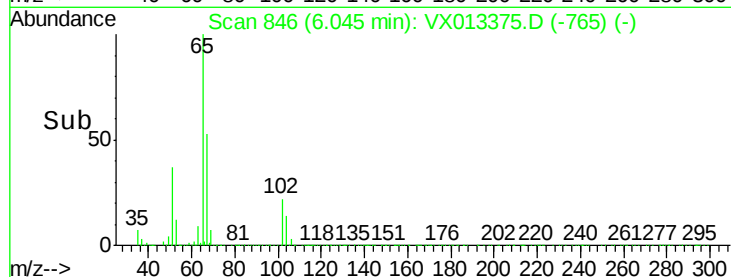
40000

20000

0

6.00 6.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013375.D

Acq: 12 Nov 2019 10:39

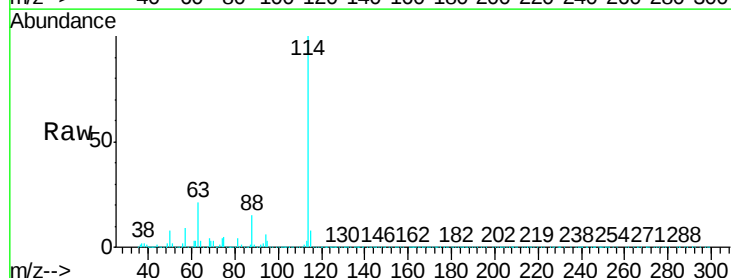
Tgt Ion: 114 Resp: 742082

Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

88 15.6 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.84

400000

300000

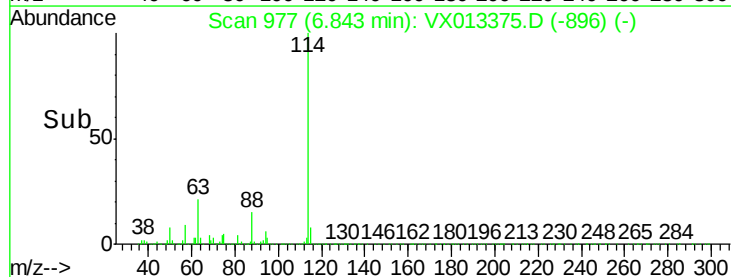
200000

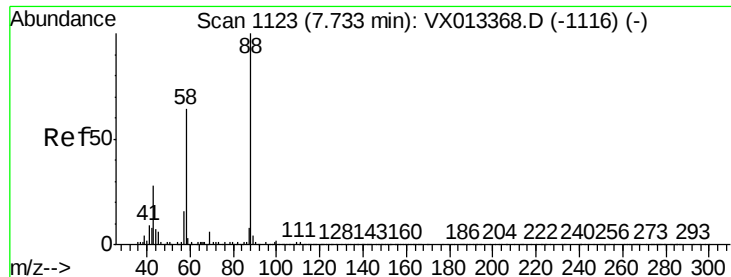
100000

0

6.70 6.80 6.90 7.00

Time-->

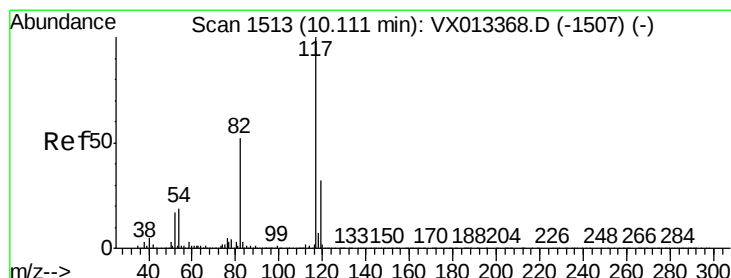
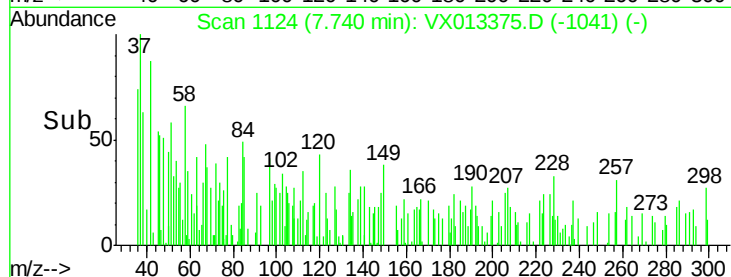
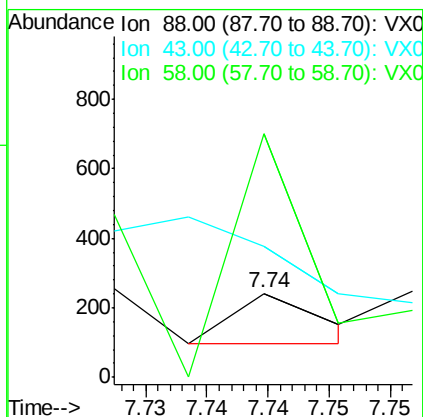
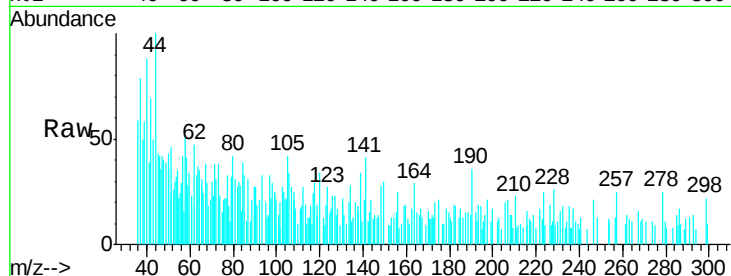




#45
1,4-Dioxane
Concen: 0.306 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013375.D
Acq: 12 Nov 2019 10:39

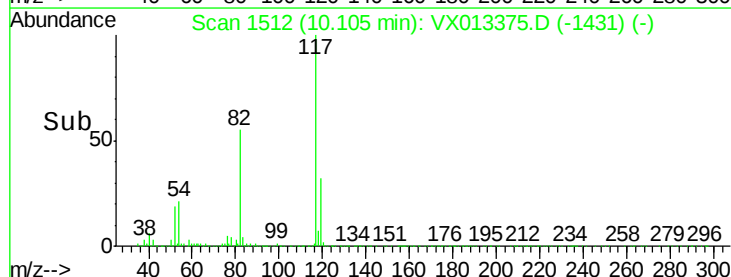
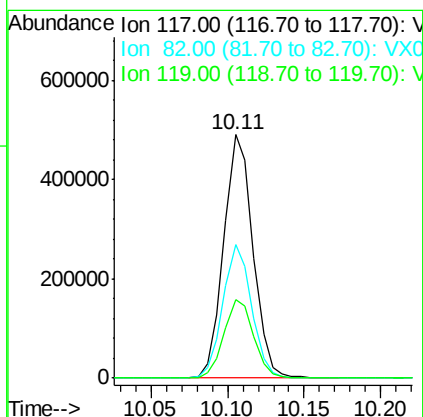
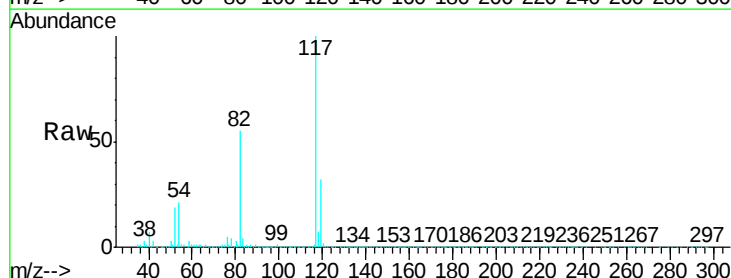
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

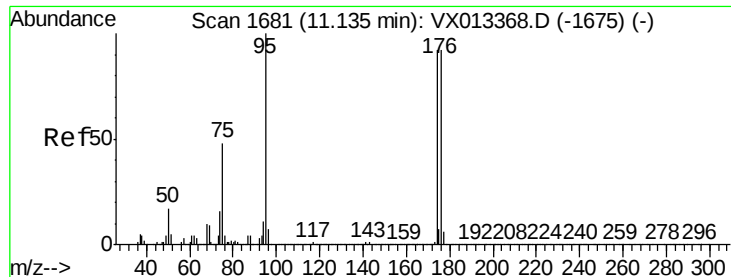
Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 0.0 26.1 39.1#
58 424.3 55.8 83.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013375.D
Acq: 12 Nov 2019 10:39

Tgt Ion: 117 Resp: 646110
Ion Ratio Lower Upper
117 100
82 54.4 43.7 65.5
119 33.0 25.5 38.3





#60

4-Bromofluorobenzene

Concen: 28.037 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013375.D

Acq: 12 Nov 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL01

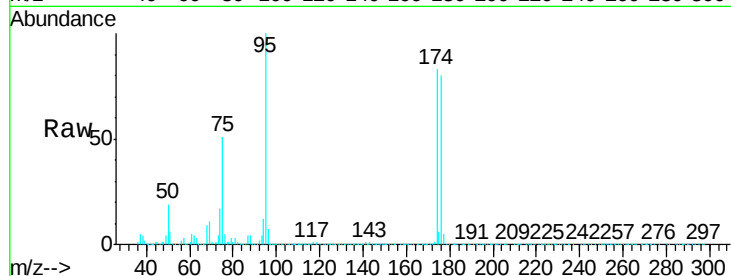
Tgt Ion: 95 Resp: 291159

Ion Ratio Lower Upper

95 100

174 87.8 70.2 105.2

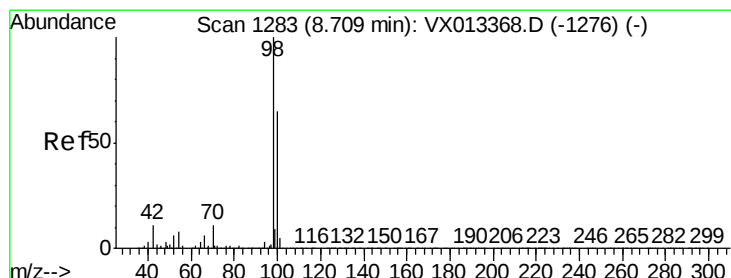
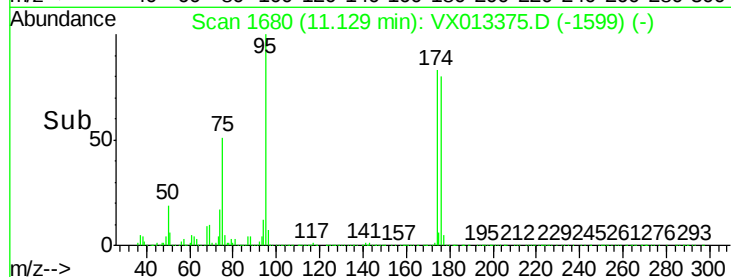
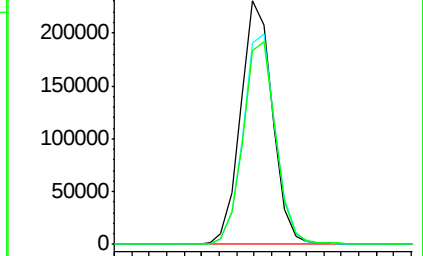
176 85.7 68.3 102.5



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: 30.630 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013375.D

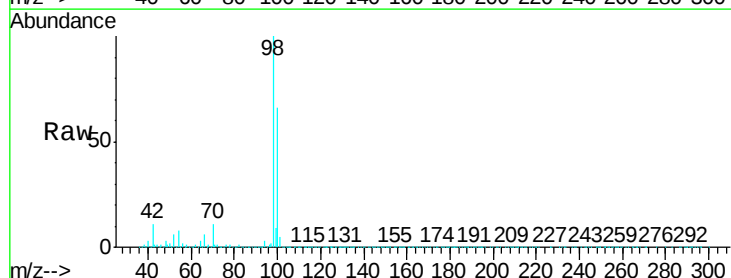
Acq: 12 Nov 2019 10:39

Tgt Ion: 98 Resp: 894904

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

