

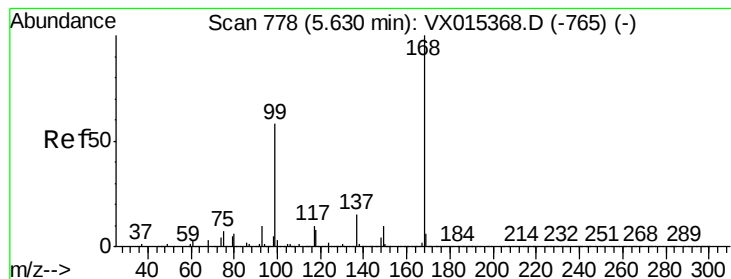
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040620\
 Data File : VX015502.D
 Acq On : 06 Apr 2020 11:03
 Operator : JC/SP
 Sample : VX0406WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBL01

Quant Time: Apr 07 04:56:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1151597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1842102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1743356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	933631	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	755206	46.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.00%	
35) Dibromofluoromethane	5.47	113	582086	49.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.86%	
50) Toluene-d8	8.70	98	2210003	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.12	95	939338	53.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.62%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.31	50	2865	0.222	ug/l	89
5) Bromomethane	1.64	94	2499	Below Cal	#	67
8) Diethyl Ether	2.03	74	1401	0.209	ug/l	64
10) Methyl Iodide	2.50	142	5814	0.416	ug/l #	92
11) Tert butyl alcohol	2.99	59	4693	1.207	ug/l #	93
15) Acrylonitrile	3.11	53	1676	0.226	ug/l #	47
16) Acetone	2.42	43	2669	0.382	ug/l	97
31) Cyclohexane	5.62	56	23325	1.134	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	91390	5.384	ug/l #	53
38) Carbon Tetrachloride	5.63	117	111845	6.084	ug/l #	16
49) 1,4-Dioxane	7.72	88	217	0.624	ug/l #	20
76) 1,2,3-Trichloropropane	11.12	75	474471	24.713	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	474471	59.297	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015502.D

Acq: 06 Apr 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

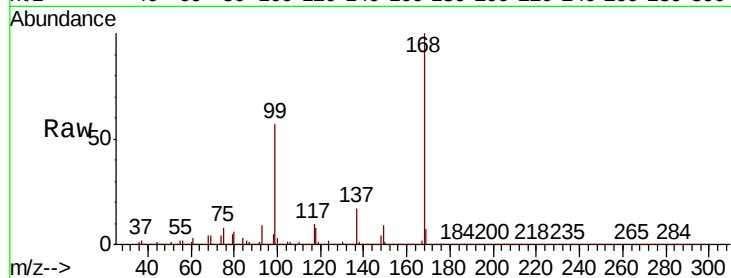
VX0406WBL01

Tot Ion:168 Resp: 1151597

Ion Ratio Lower Upper

168 100

99 57.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

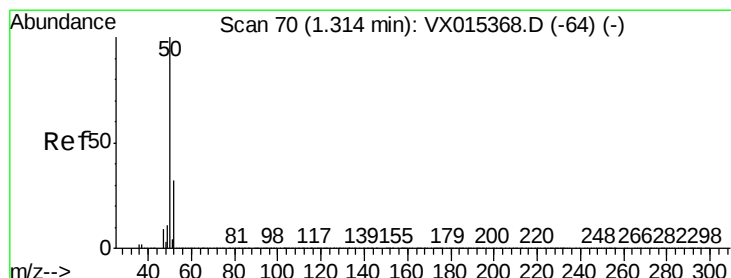
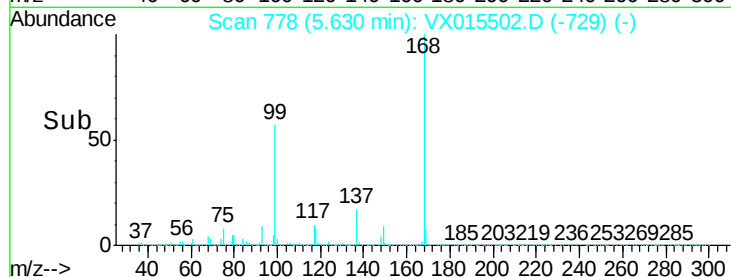
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.222 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VX015502.D

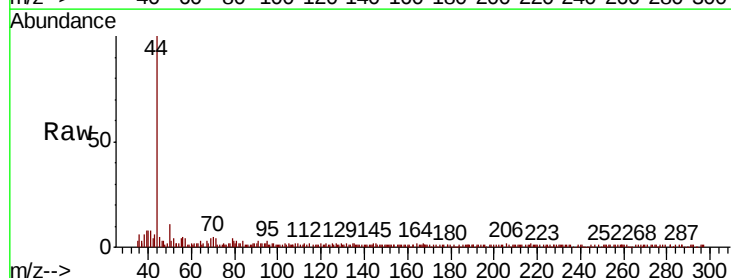
Acq: 06 Apr 2020 11:03

Tgt Ion: 50 Resp: 2865

Ion Ratio Lower Upper

50 100

52 25.6 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2000

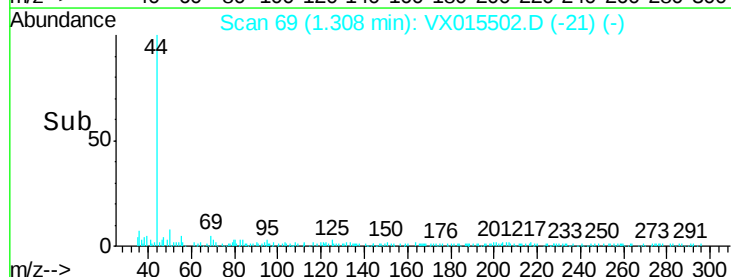
1500

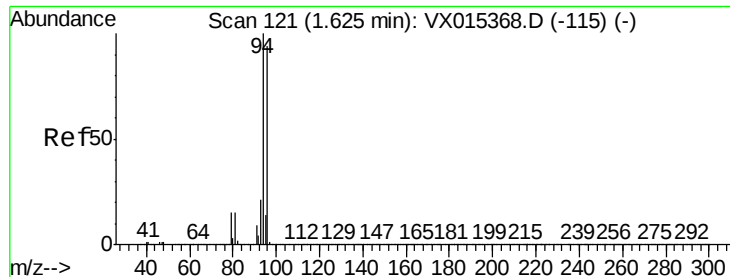
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015502.D

Acq: 06 Apr 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

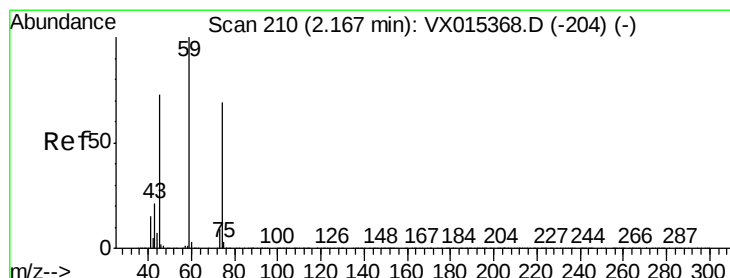
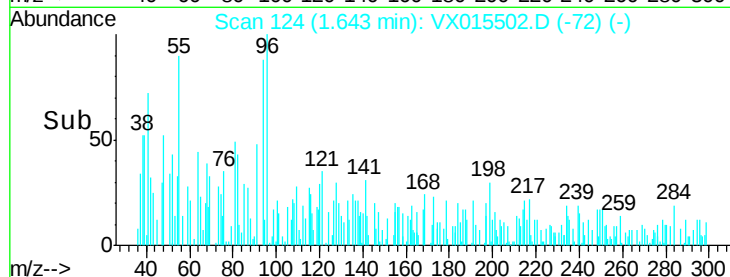
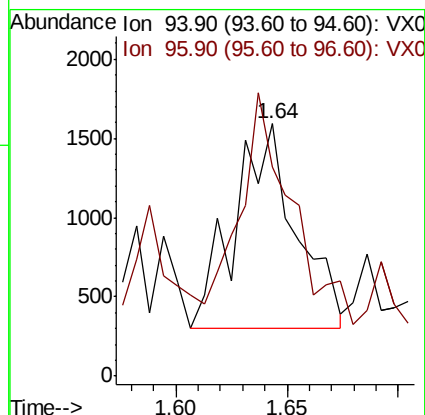
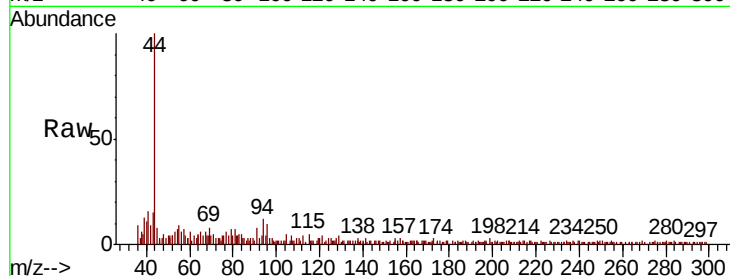
VX0406WBL01

Tot Ion: 94 Resp: 2499

Ion Ratio Lower Upper

94 100

96 62.2 74.8 112.2#



#8

Diethyl Ether

Concen: 0.209 ug/l

RT: 2.03 min Scan# 188

Delta R.T. -0.13 min

Lab File: VX015502.D

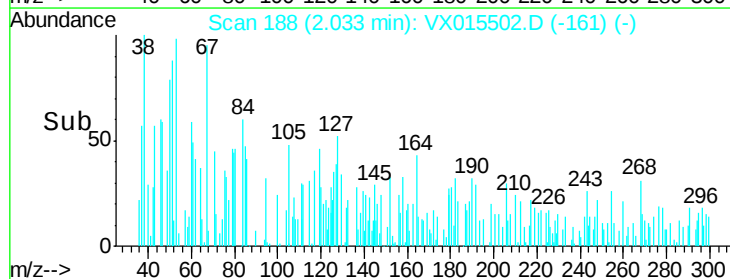
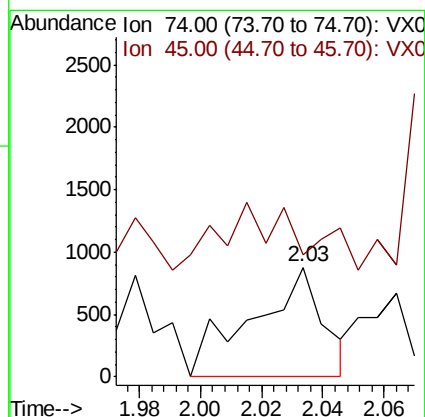
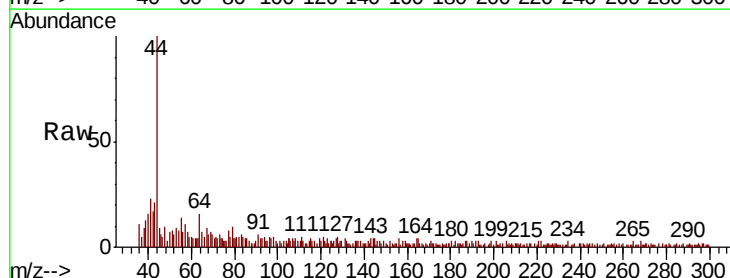
Acq: 06 Apr 2020 11:03

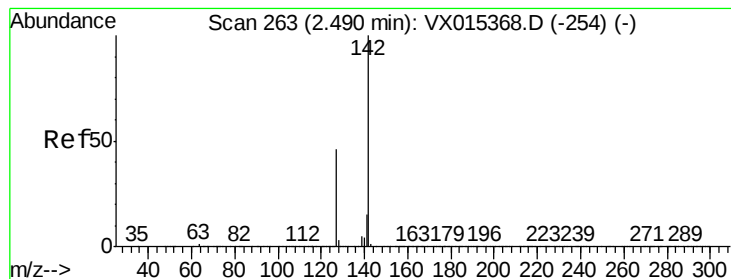
Tgt Ion: 74 Resp: 1401

Ion Ratio Lower Upper

74 100

45 69.7 53.8 161.4





#10

Methvl Iodide

Concen: 0.416 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX015502.D

Acq: 06 Apr 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBL01

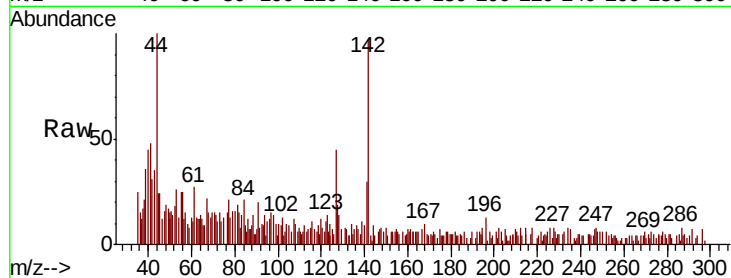
Tot Ion:142 Resp: 5814

Ion Ratio Lower Upper

142 100

127 48.5 35.9 53.9

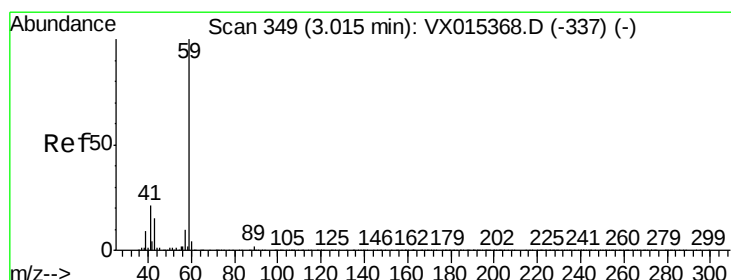
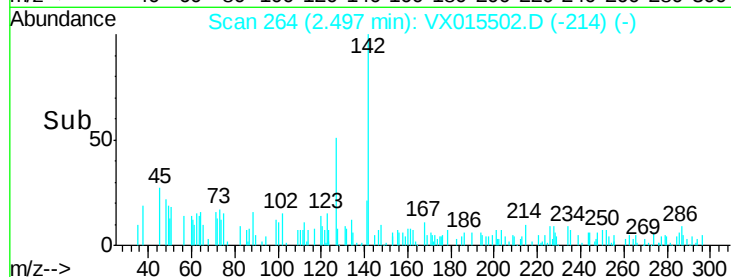
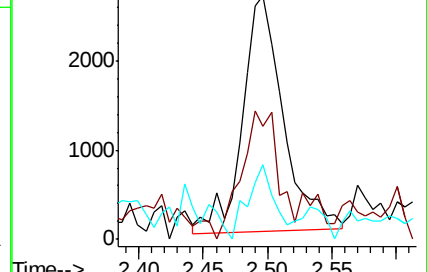
141 20.3 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.207 ug/l

RT: 2.99 min Scan# 345

Delta R.T. -0.02 min

Lab File: VX015502.D

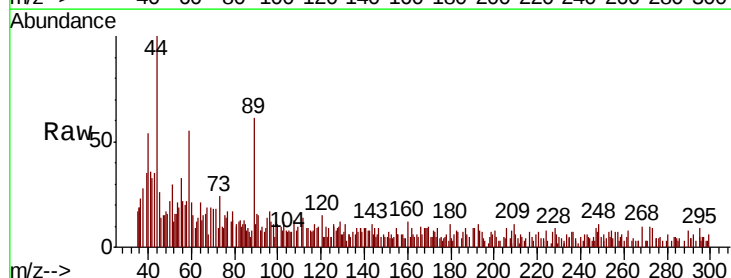
Acq: 06 Apr 2020 11:03

Tgt Ion: 59 Resp: 4693

Ion Ratio Lower Upper

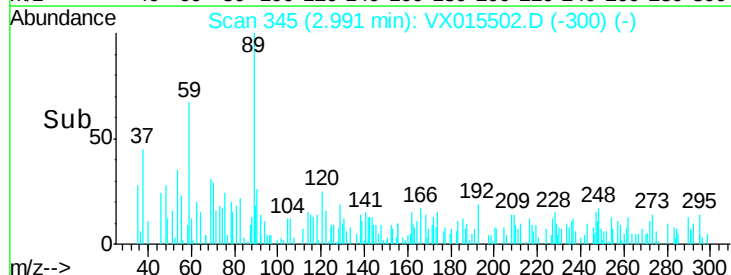
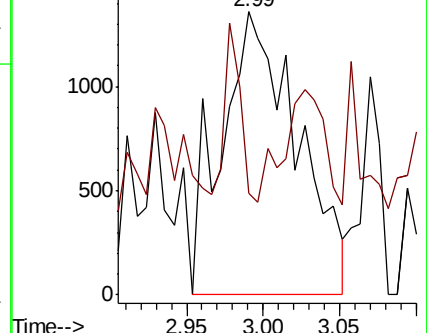
59 100

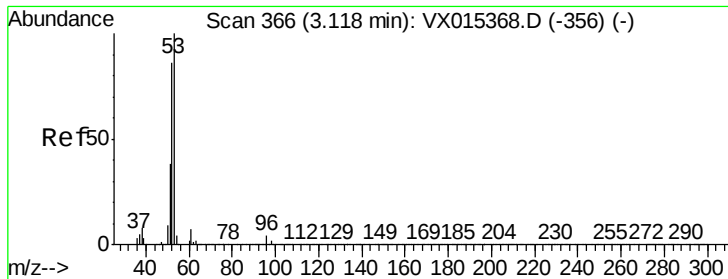
57 12.7 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#15

Acrylonitrile

Concen: 0.226 ug/l

RT: 3.11 min Scan# 364

Delta R.T. -0.01 min

Lab File: VX015502.D

Acq: 06 Apr 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBL01

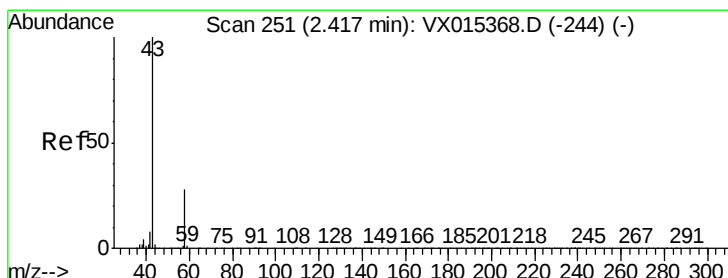
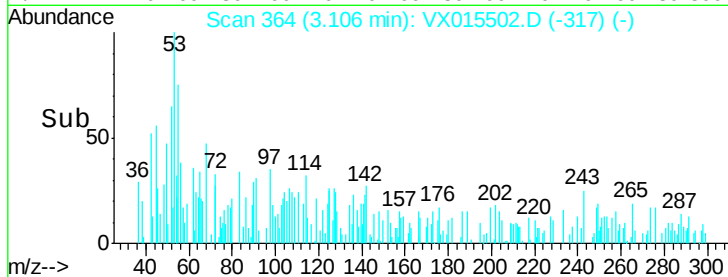
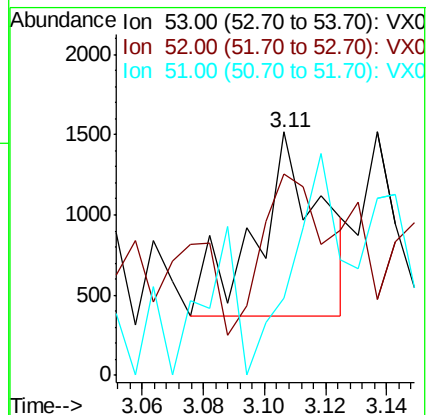
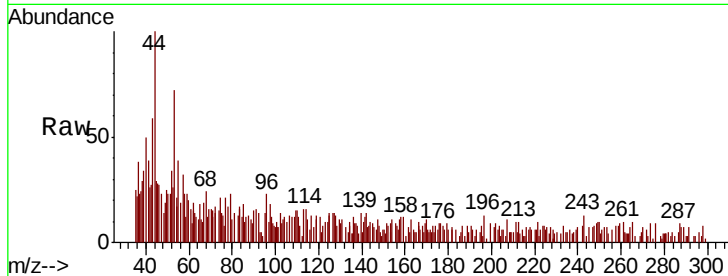
Tot Ion: 53 Resp: 1676

Ion Ratio Lower Upper

53 100

52 111.3 66.8 100.2#

51 98.3 29.5 44.3#



#16

Acetone

Concen: 0.382 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015502.D

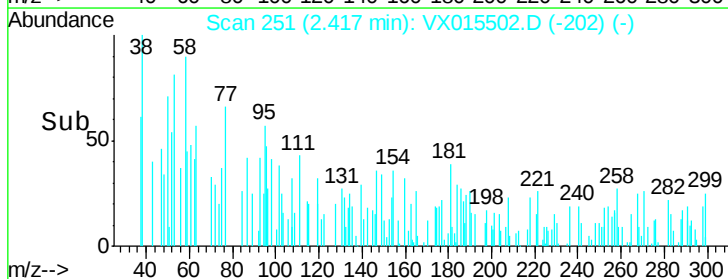
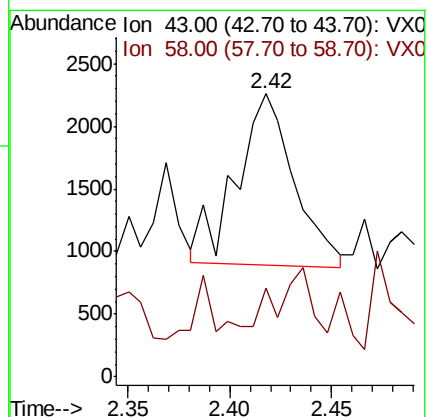
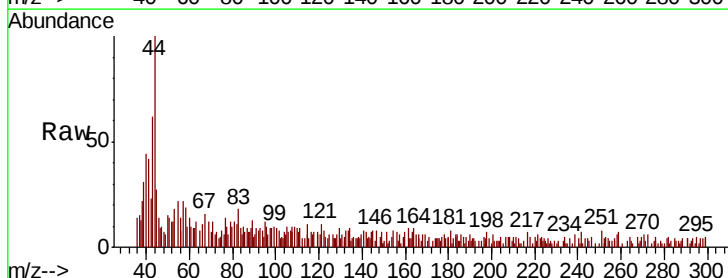
Acq: 06 Apr 2020 11:03

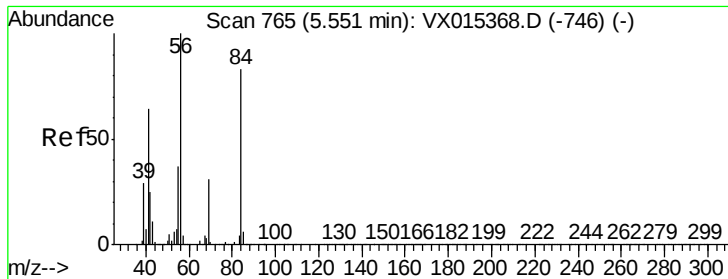
Tgt Ion: 43 Resp: 2669

Ion Ratio Lower Upper

43 100

58 26.2 22.1 33.1

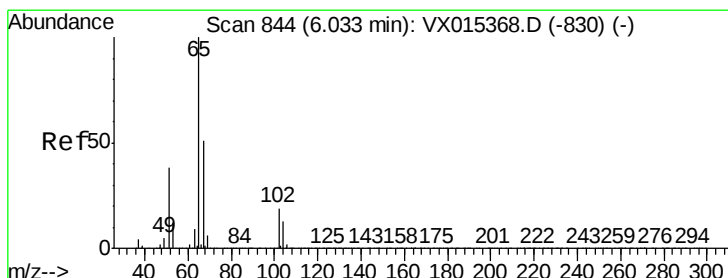
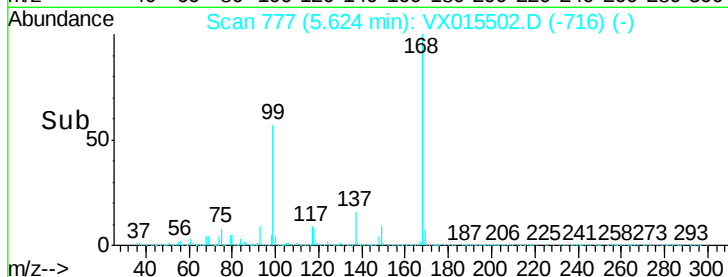
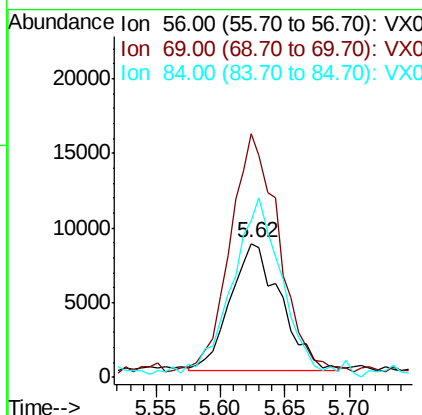
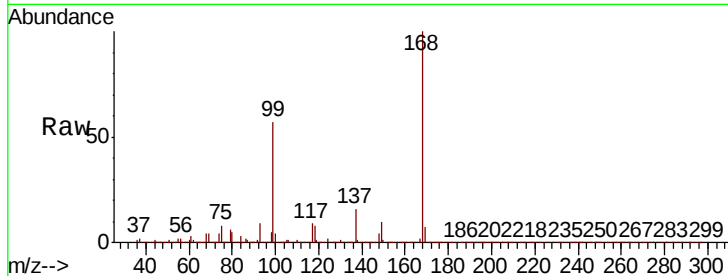




#31
Cyclohexane
Concen: 1.134 ug/l
RT: 5.62 min Scan# 777
Delta R.T. 0.07 min
Lab File: VX015502.D
Acq: 06 Apr 2020 11:03

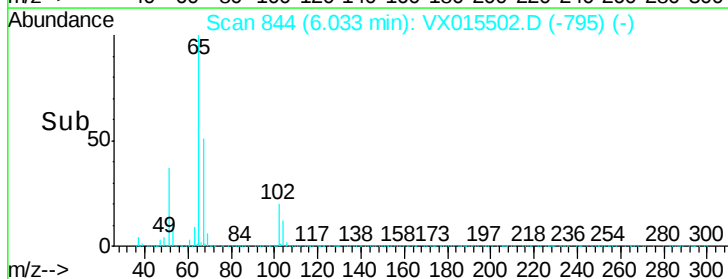
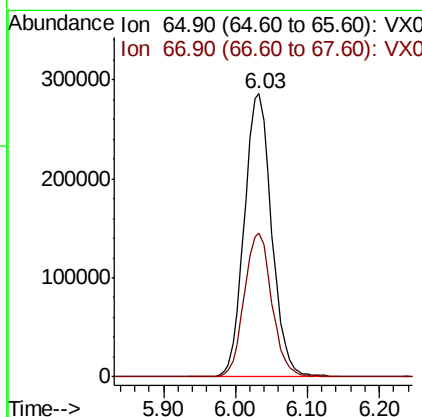
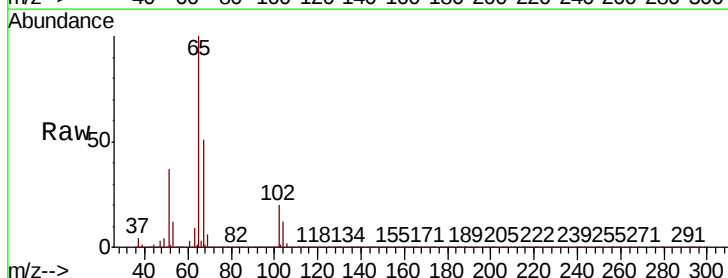
Instrument :
MSVOA_X
ClientSampled :
VX0406WBL01

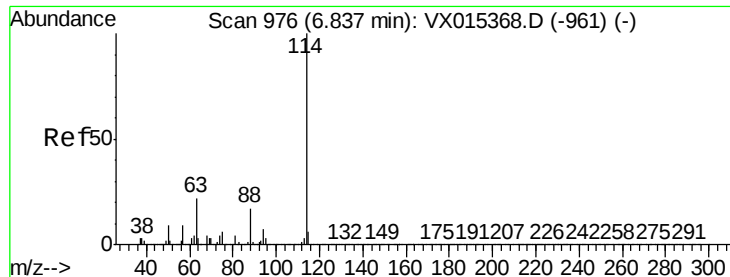
Tot Ion	Ratio	Lower	Upper
56	100		
69	187.4	24.6	36.8#
84	118.0	66.1	99.1#



#33
1,2-Dichloroethane-d4
Concen: 46.497 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015502.D
Acq: 06 Apr 2020 11:03

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	102.6

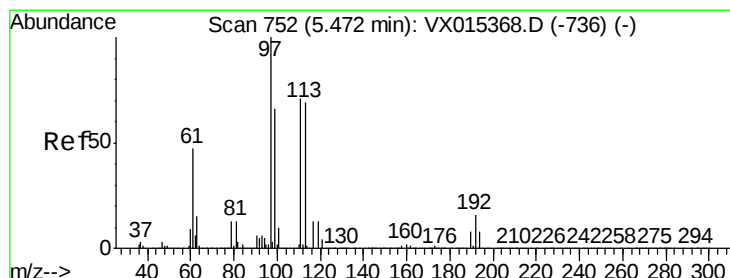
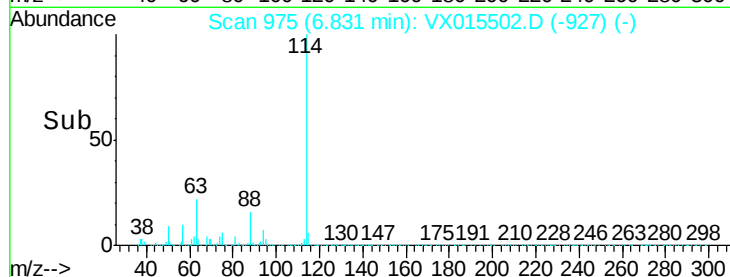
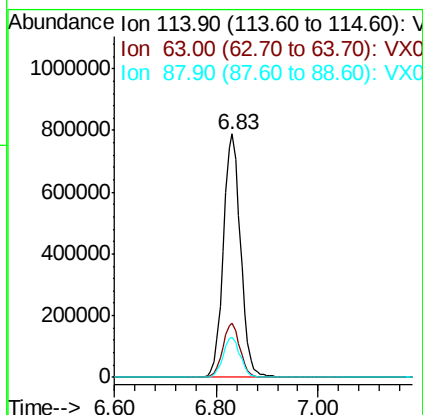
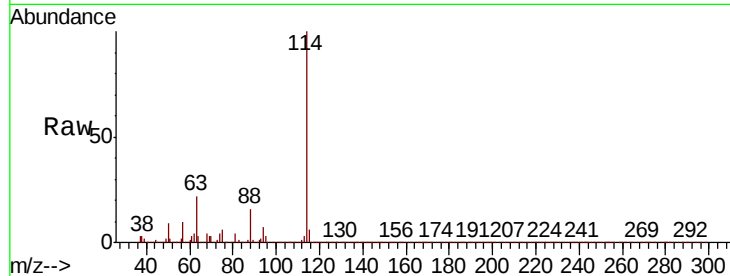




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015502.D
 Acq: 06 Apr 2020 11:03

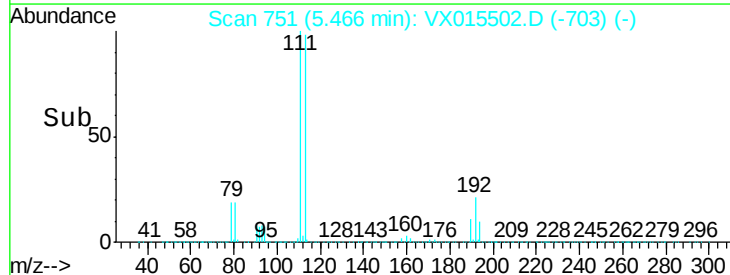
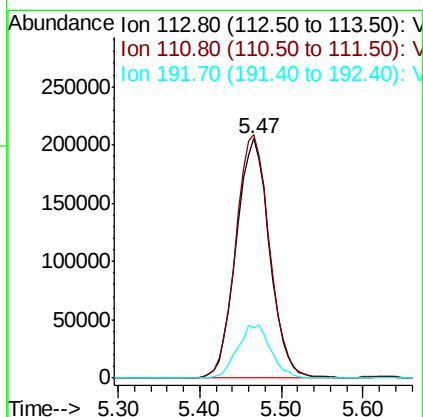
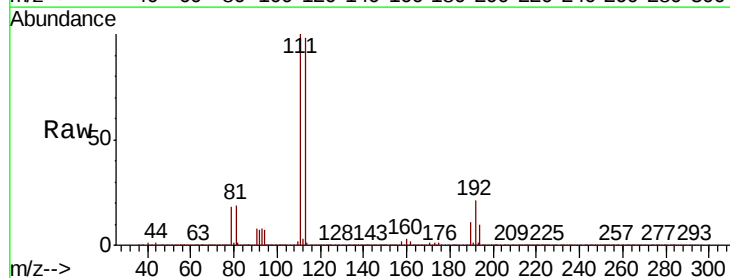
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBL01

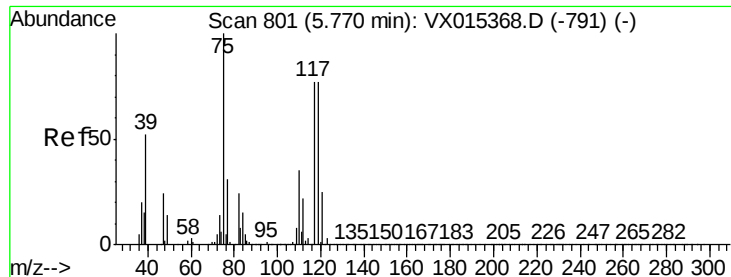
Tot Ion:114 Resp: 1842102
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.2
 88 16.5 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 49.433 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015502.D
 Acq: 06 Apr 2020 11:03

Tgt Ion:113 Resp: 582086
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.5 122.3
 192 22.1 17.8 26.6





#36

1,1-Dichloropropene

Concen: 5.384 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015502.D

Acq: 06 Apr 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBL01

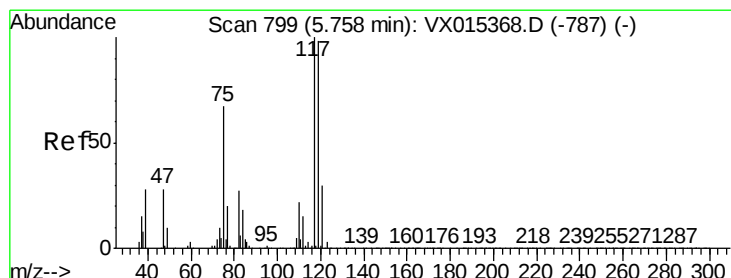
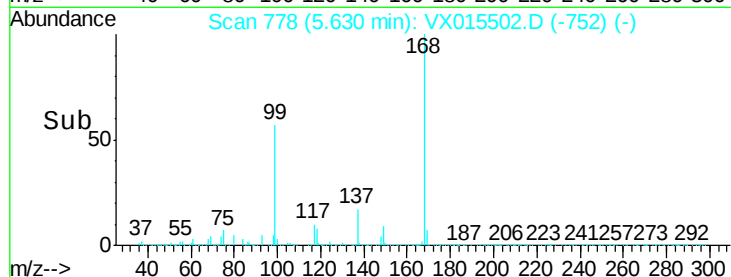
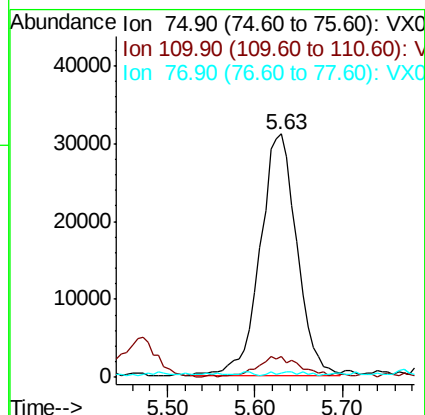
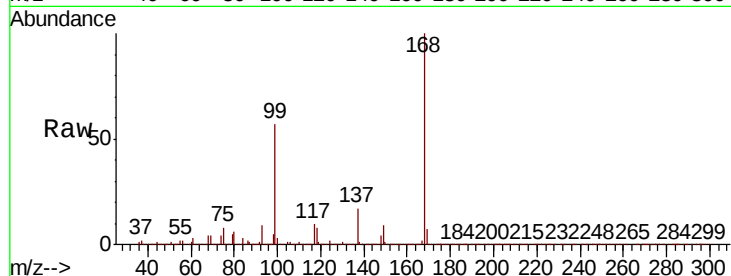
Tot Ion: 75 Resp: 91390

Ion Ratio Lower Upper

75 100

110 10.9 17.1 51.3#

77 0.8 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.084 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015502.D

Acq: 06 Apr 2020 11:03

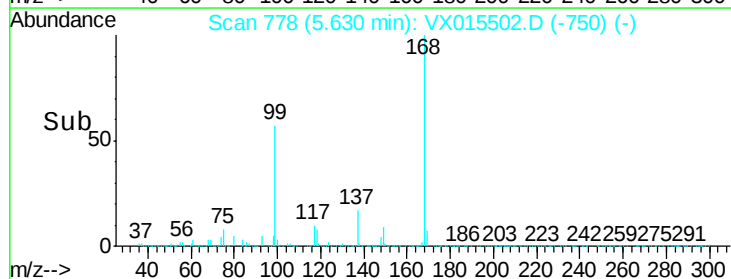
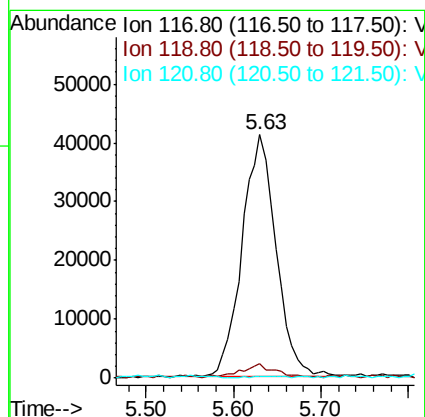
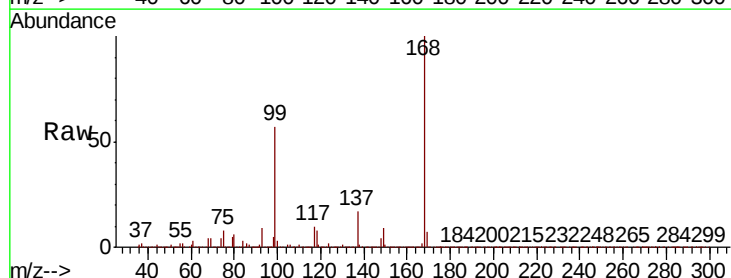
Tgt Ion:117 Resp: 111845

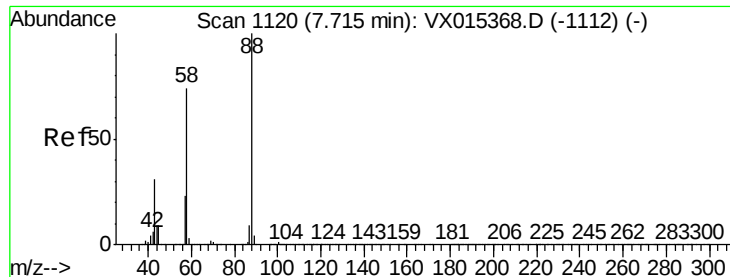
Ion Ratio Lower Upper

117 100

119 5.3 78.0 117.0#

121 0.5 23.8 35.8#

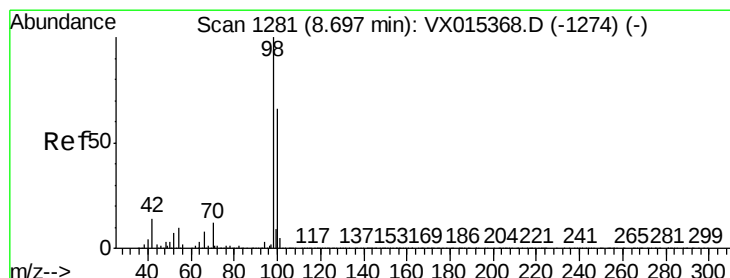
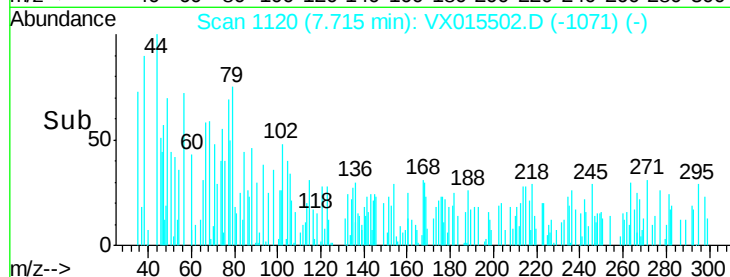
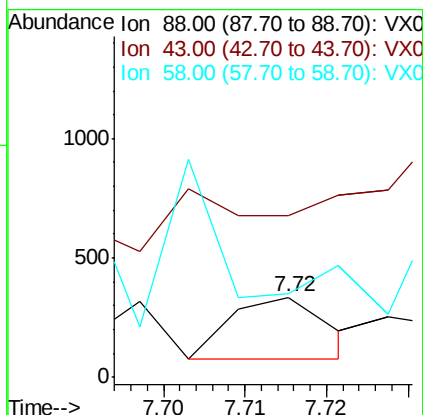
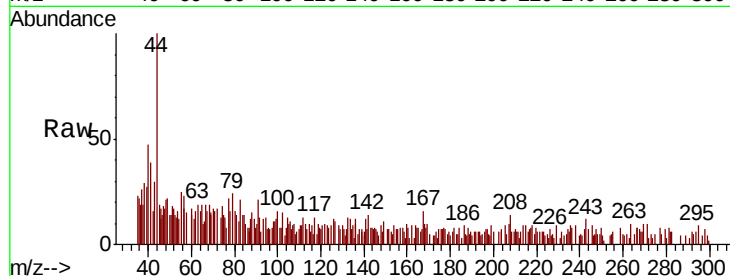




#49
1,4-Dioxane
Concen: 0.624 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VX015502.D
Acq: 06 Apr 2020 11:03

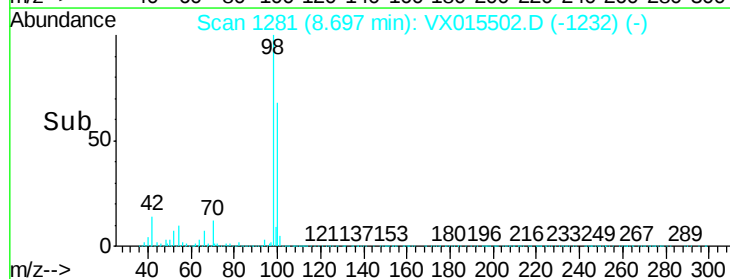
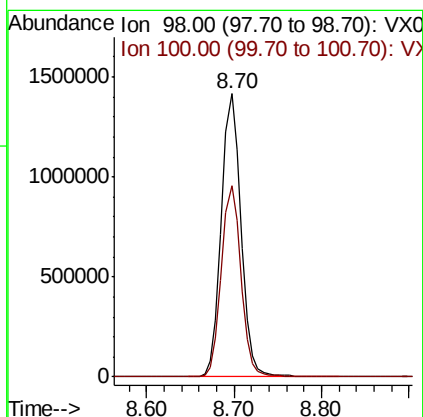
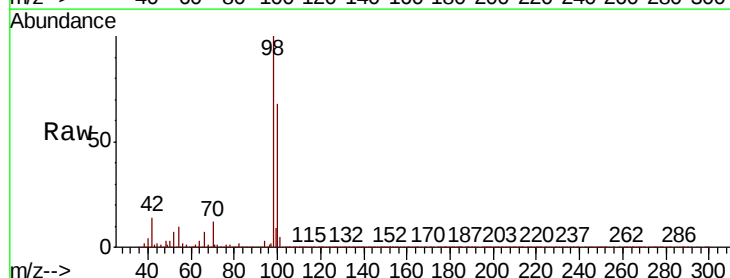
Instrument :
MSVOA_X
ClientSampled :
VX0406WBL01

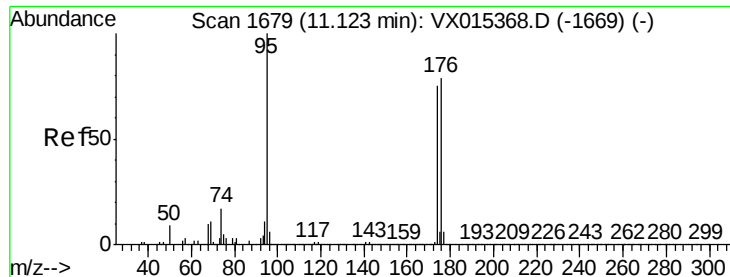
Tot Ion: 88 Resp: 217
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 60.6 90.8#



#50
Toluene-d8
Concen: 50.977 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015502.D
Acq: 06 Apr 2020 11:03

Tgt Ion: 98 Resp: 2210003
Ion Ratio Lower Upper
98 100
100 67.3 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 53.314 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015502.D

Acq: 06 Apr 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBL01

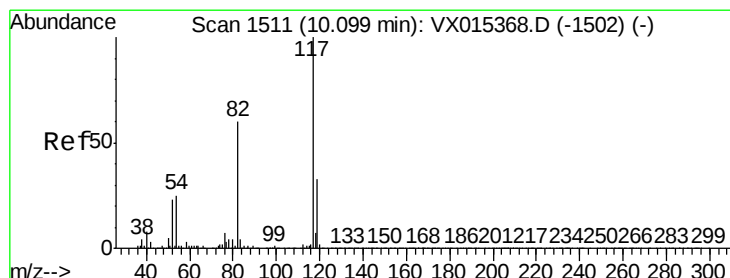
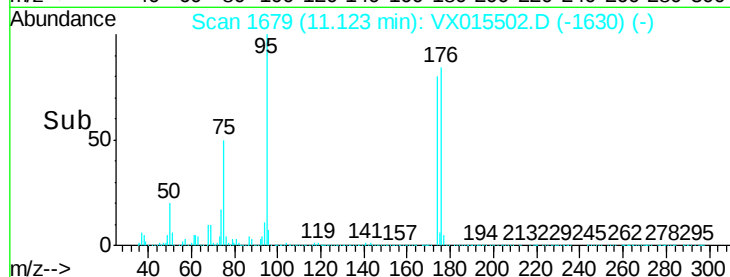
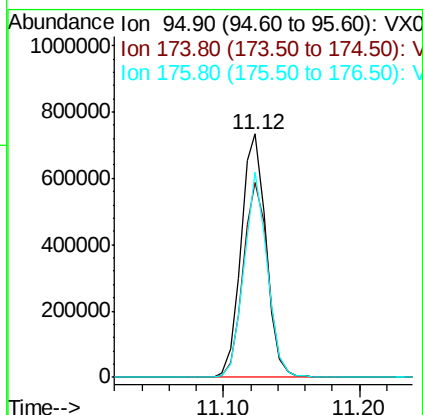
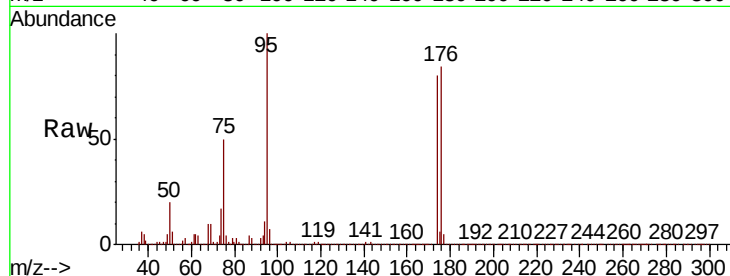
Tot Ion: 95 Resp: 939338

Ion Ratio Lower Upper

95 100

174 80.2 0.0 158.6

176 78.2 0.0 159.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015502.D

Acq: 06 Apr 2020 11:03

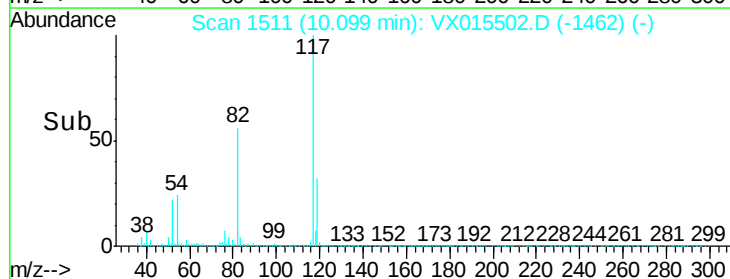
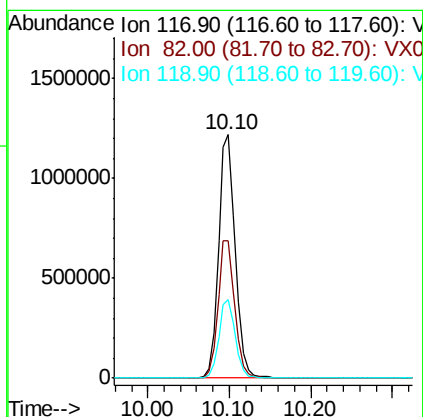
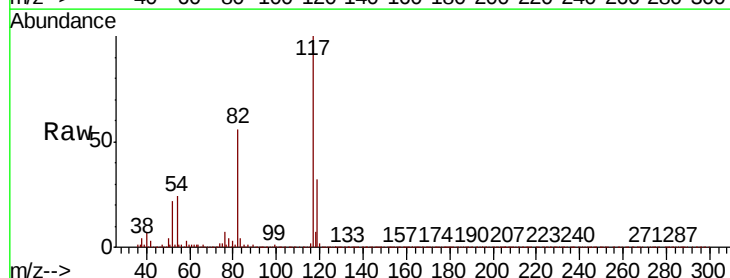
Tgt Ion: 117 Resp: 1743356

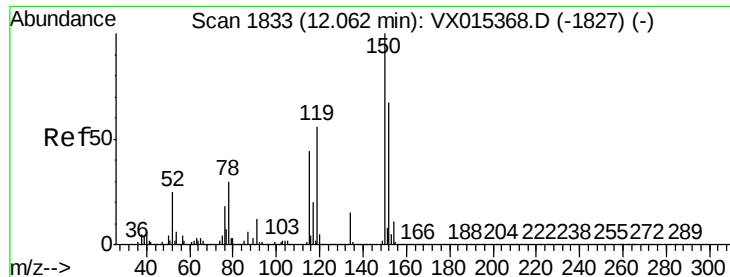
Ion Ratio Lower Upper

117 100

82 56.3 47.8 71.8

119 32.4 26.8 40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015502.D

Acq: 06 Apr 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBL01

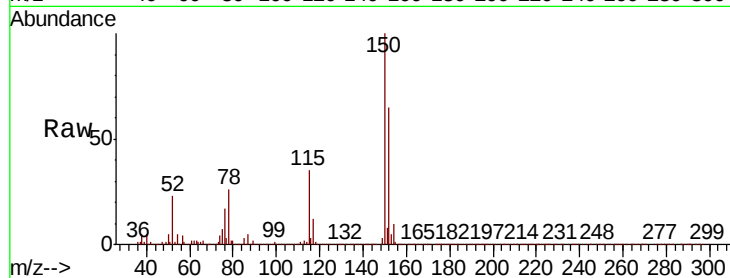
Tot Ion:152 Resp: 933631

Ion Ratio Lower Upper

152 100

115 56.5 39.0 116.9

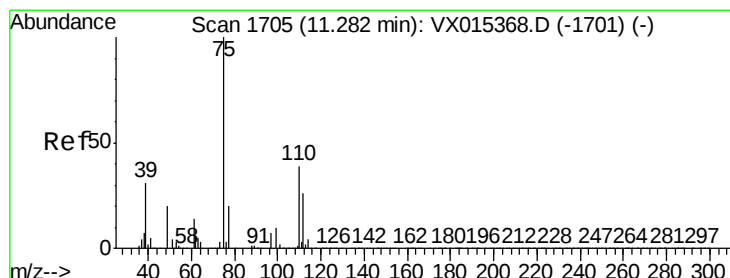
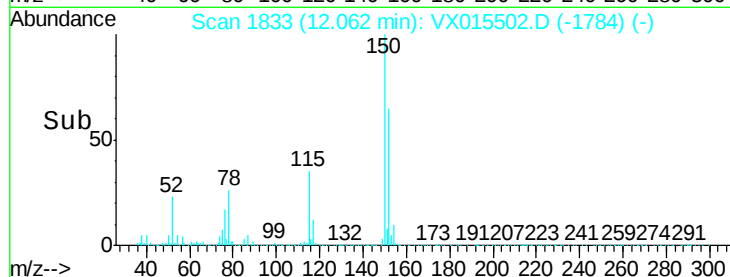
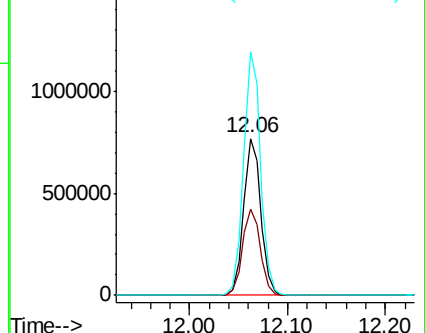
150 153.6 0.0 340.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.713 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015502.D

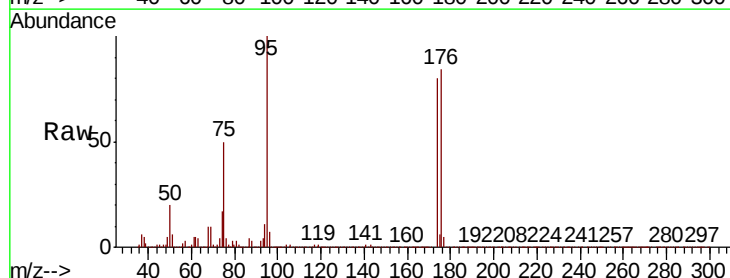
Acq: 06 Apr 2020 11:03

Tgt Ion: 75 Resp: 474471

Ion Ratio Lower Upper

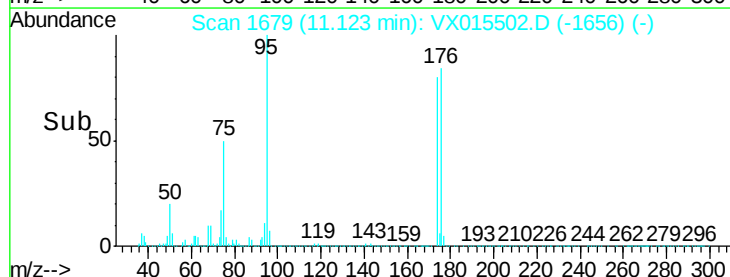
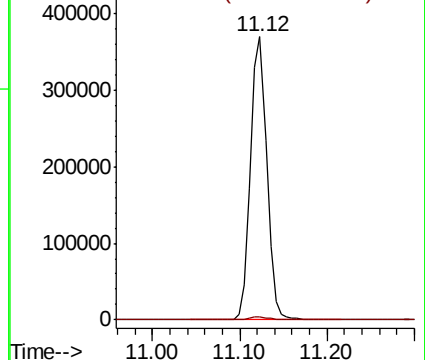
75 100

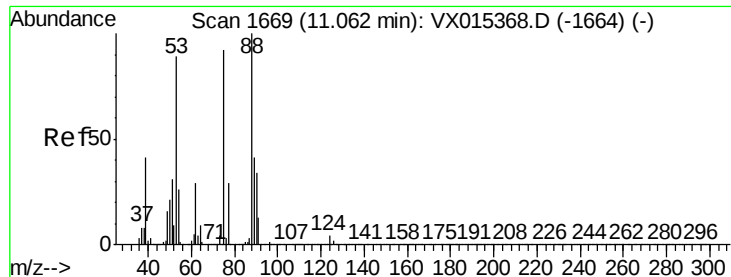
77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.297 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015502.D

Acq: 06 Apr 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBL01

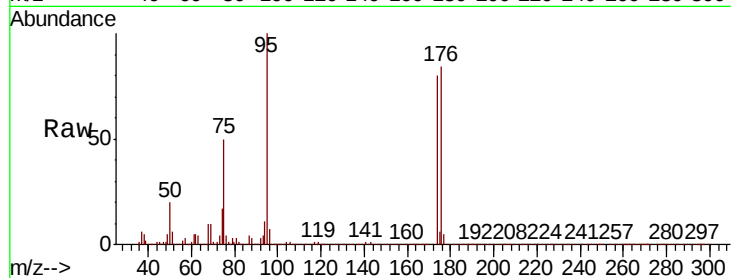
Tot Ion: 75 Resp: 474471

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

