

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081119\
 Data File : VX011447.D
 Acq On : 11 Aug 2019 22:28
 Operator : JC/SP
 Sample : VX0811WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBL02

Quant Time: Aug 12 07:53:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

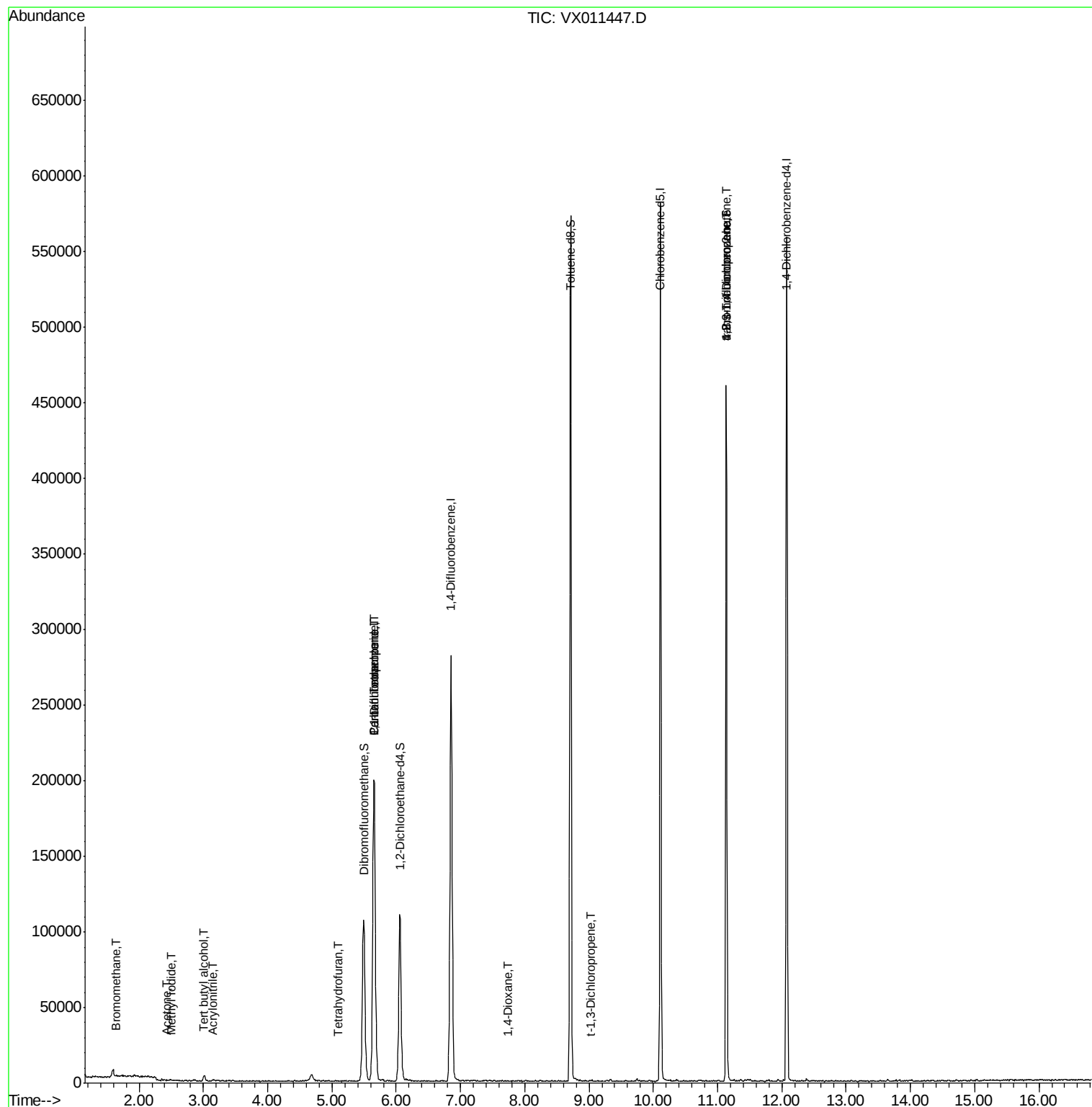
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	196236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	290639	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118439	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	103708	52.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.96%	
35) Dibromofluoromethane	5.49	113	88771	46.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.56%	
50) Toluene-d8	8.71	98	339863	47.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.90%	
62) 4-Bromofluorobenzene	11.13	95	112966	44.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.36%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	614	0.460	ug/l	90
6) Chloroethane	1.73	64	105	Below Cal	#	51
10) Methyl Iodide	2.51	142	774	0.341	ug/l #	92
11) Tert butyl alcohol	3.01	59	2212	5.636	ug/l #	85
13) Acrolein	2.29	56	95	Below Cal	#	17
15) Acrylonitrile	3.14	53	234	0.249	ug/l #	1
16) Acetone	2.43	43	320	0.340	ug/l #	40
29) Tetrahydrofuran	5.10	42	205	0.250	ug/l #	44
36) 1,1-Dichloropropene	5.65	75	13455	5.302	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18288	7.163	ug/l #	14
49) 1,4-Dioxane	7.75	88	61	1.099	ug/l #	29
53) t-1,3-Dichloropropene	9.03	75	19	2.845	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	57464	26.642	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	57464	69.226	ug/l #	10

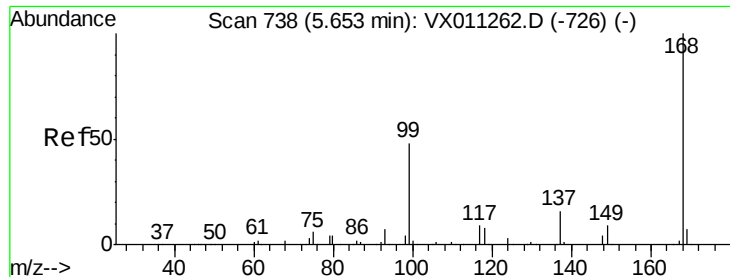
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011447.D

Acq: 11 Aug 2019 22:28

Instrument :

MSVOA_X

ClientSampleId :

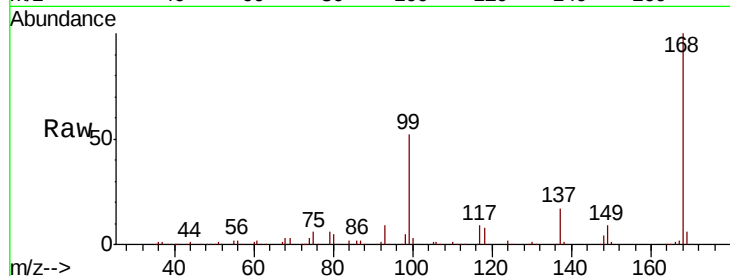
VX0811WBL02

Tgt Ion:168 Resp: 196236

Ion Ratio Lower Upper

168 100

99 51.7 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

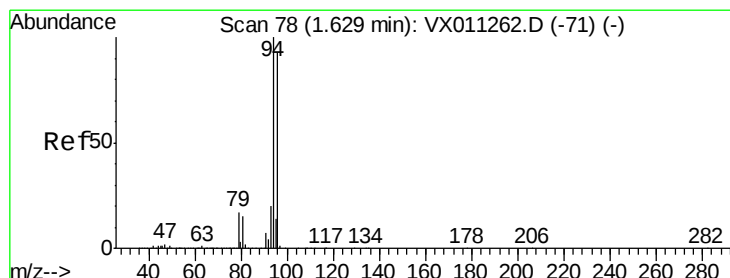
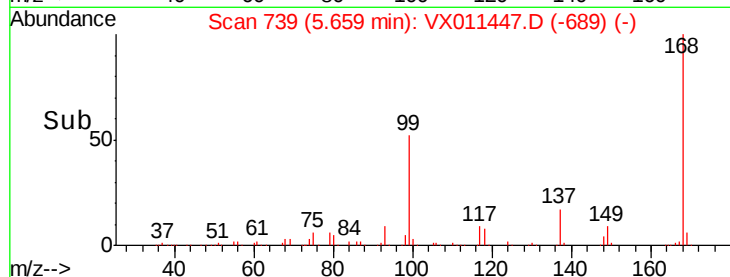
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 0.460 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011447.D

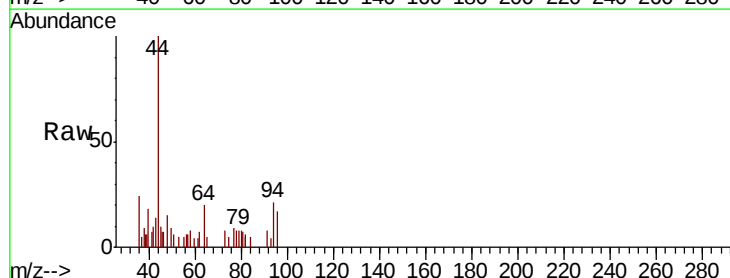
Acq: 11 Aug 2019 22:28

Tgt Ion: 94 Resp: 614

Ion Ratio Lower Upper

94 100

96 83.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

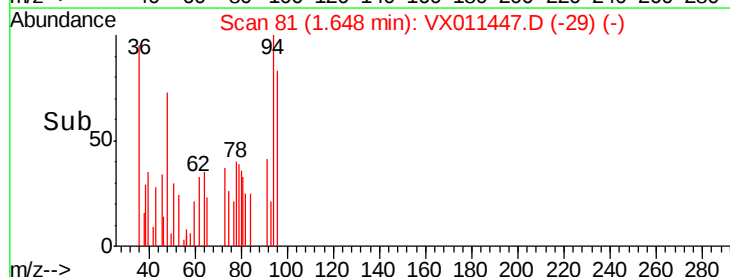
100

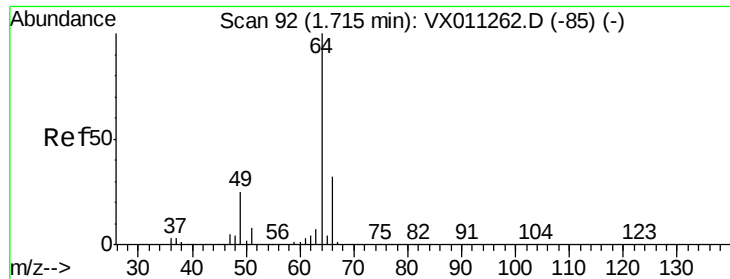
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011447.D

Acq: 11 Aug 2019 22:28

Instrument :

MSVOA_X

ClientSampleId :

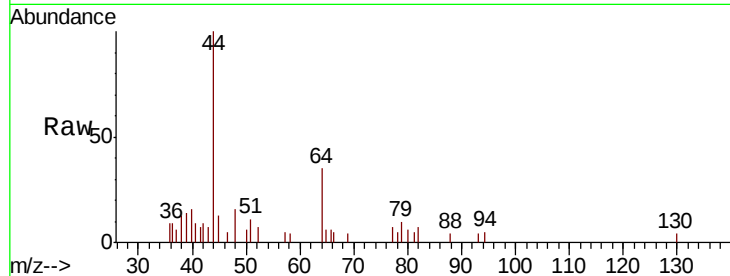
VX0811WBL02

Tgt Ion: 64 Resp: 105

Ion Ratio Lower Upper

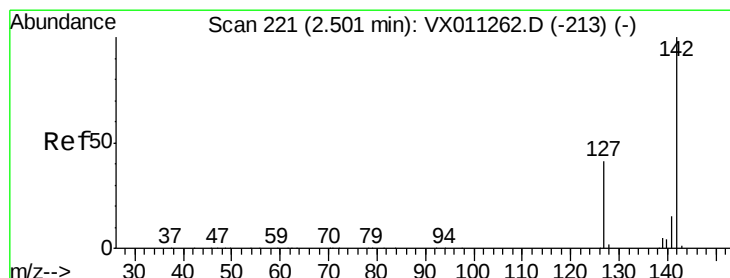
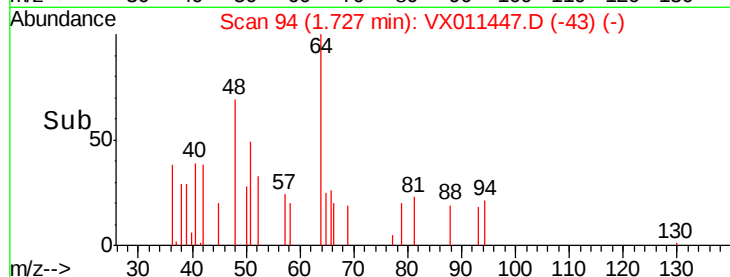
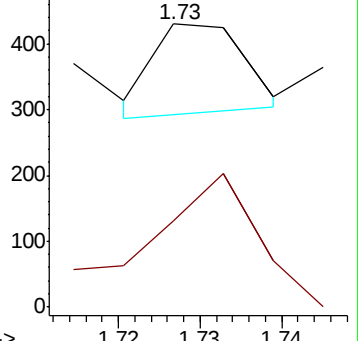
64 100

66 58.6 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.341 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011447.D

Acq: 11 Aug 2019 22:28

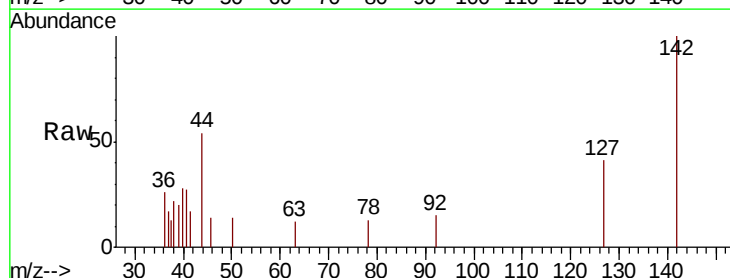
Tgt Ion: 142 Resp: 774

Ion Ratio Lower Upper

142 100

127 43.0 33.8 50.8

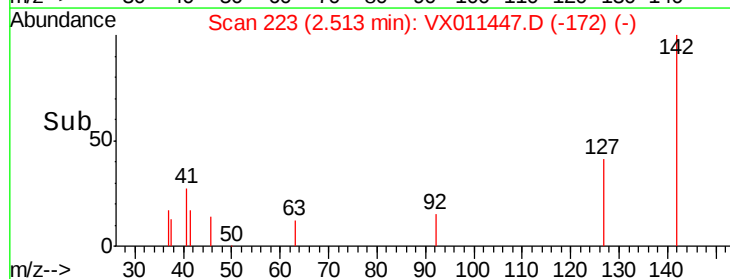
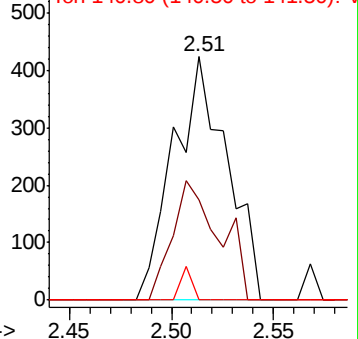
141 2.8 11.4 17.2#

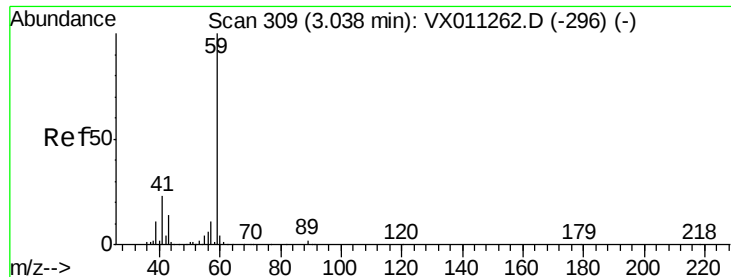


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

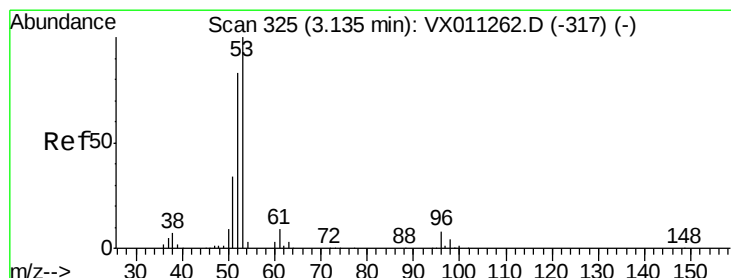
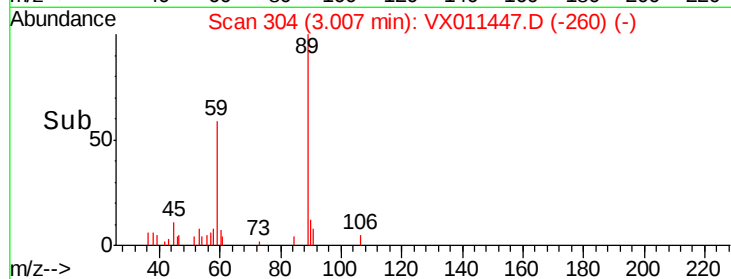
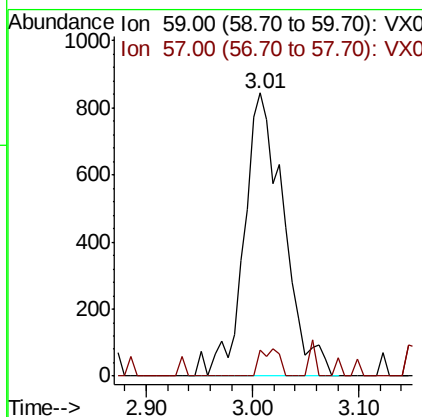
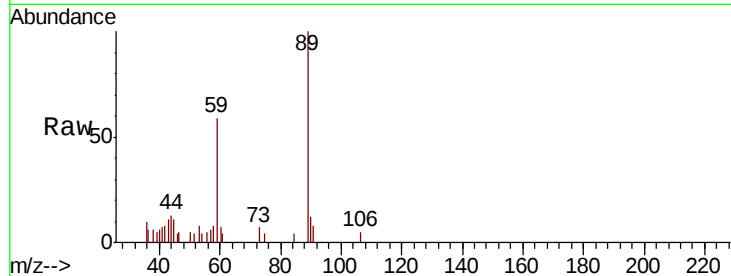




#11
Tert butyl alcohol
Concen: 5.636 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011447.D
Acq: 11 Aug 2019 22:28

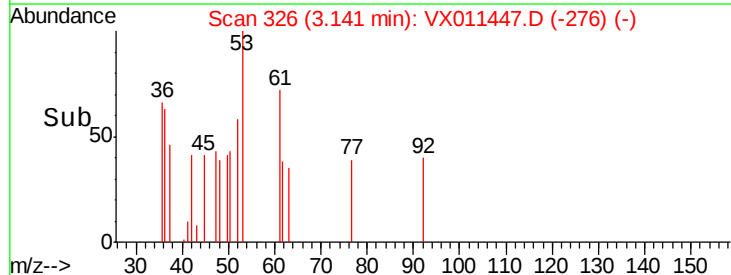
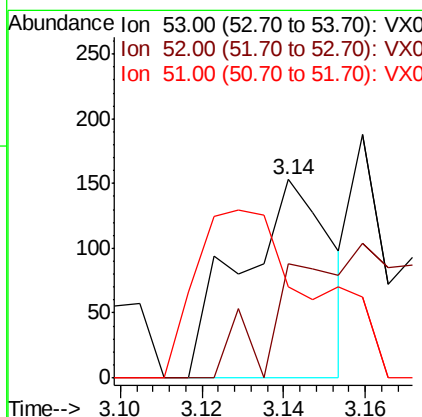
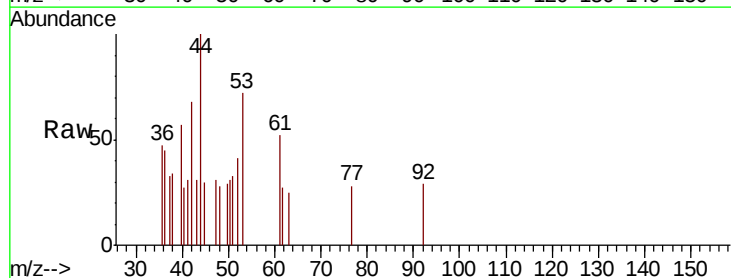
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBL02

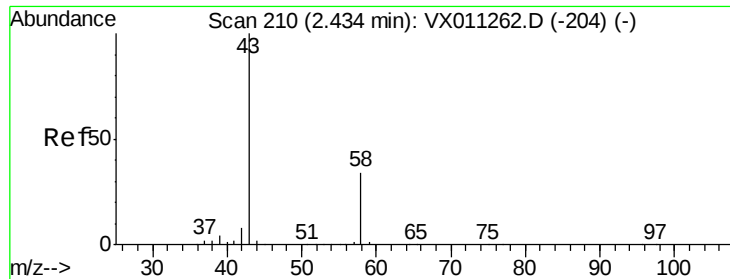
Tgt Ion: 59 Resp: 2212
Ion Ratio Lower Upper
59 100
57 4.8 8.3 12.5#



#15
Acrylonitrile
Concen: 0.249 ug/l
RT: 3.14 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX011447.D
Acq: 11 Aug 2019 22:28

Tgt Ion: 53 Resp: 234
Ion Ratio Lower Upper
53 100
52 0.0 65.5 98.3#
51 110.7 27.9 41.9#





#16

Acetone

Concen: 0.340 ug/l

RT: 2.43 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX011447.D

Acq: 11 Aug 2019 22:28

Instrument :

MSVOA_X

ClientSampleId :

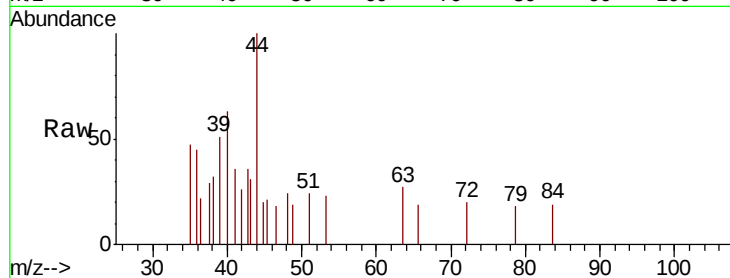
VX0811WBL02

Tgt Ion: 43 Resp: 320

Ion Ratio Lower Upper

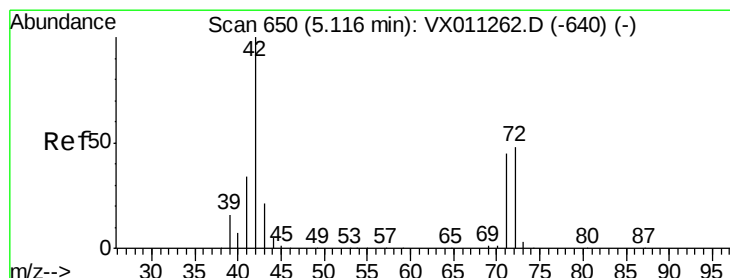
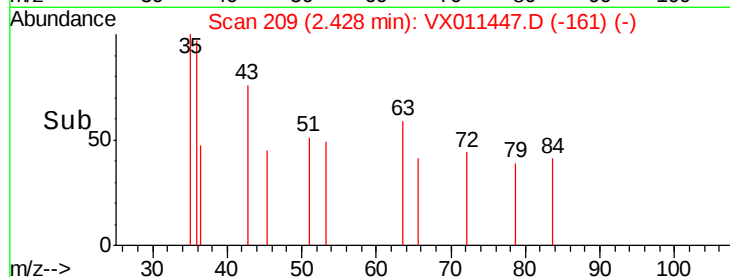
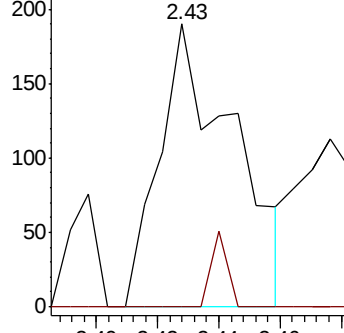
43 100

58 0.0 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#29

Tetrahydrofuran

Concen: 0.250 ug/l

RT: 5.10 min Scan# 648

Delta R.T. -0.01 min

Lab File: VX011447.D

Acq: 11 Aug 2019 22:28

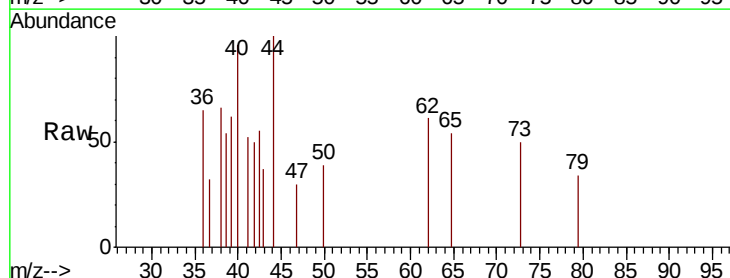
Tgt Ion: 42 Resp: 205

Ion Ratio Lower Upper

42 100

72 20.0 39.9 59.9#

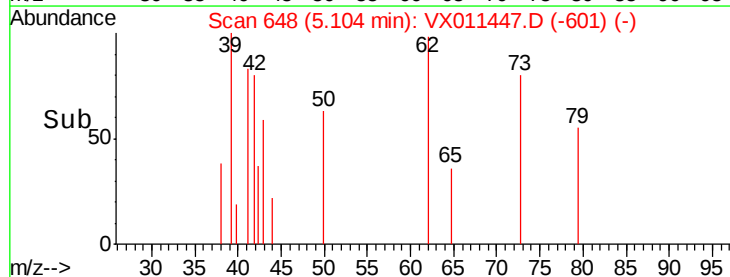
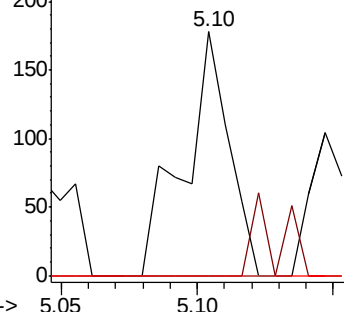
71 0.0 36.9 55.3#

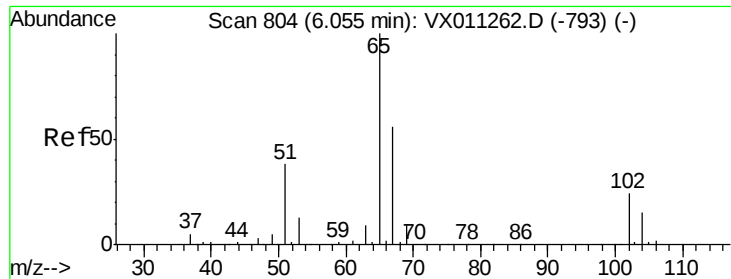


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

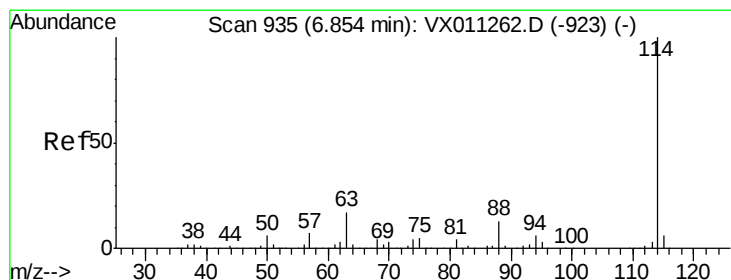
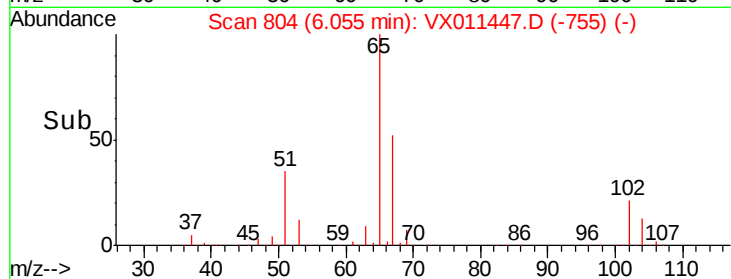
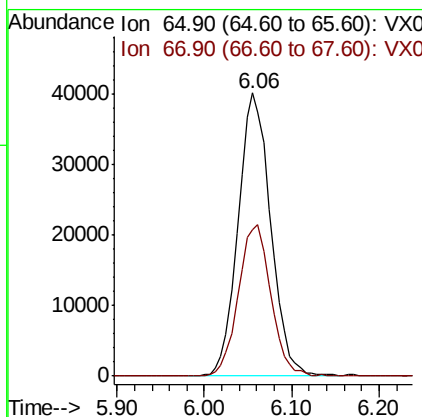
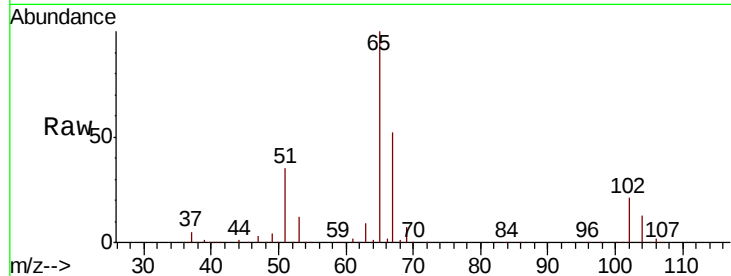




#33
 1,2-Dichloroethane-d4
 Concen: 52.478 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011447.D
 Acq: 11 Aug 2019 22:28

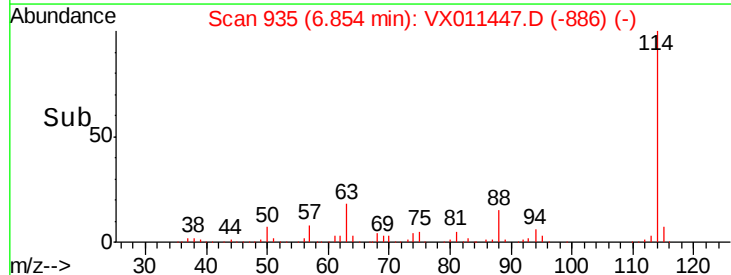
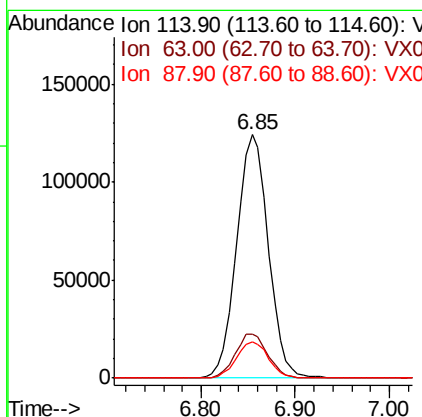
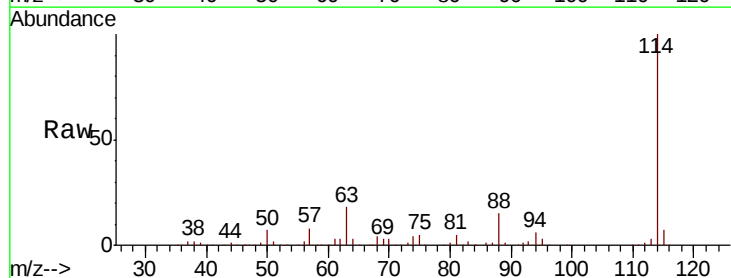
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBL02

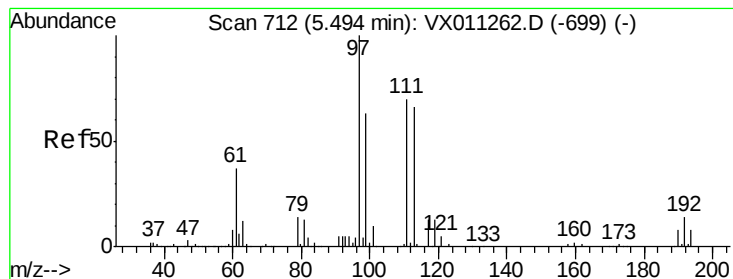
Tgt Ion: 65 Resp: 103708
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011447.D
 Acq: 11 Aug 2019 22:28

Tgt Ion: 114 Resp: 290639
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.0
 88 15.1 0.0 26.4





#35

Dibromofluoromethane

Concen: 46.783 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011447.D

Acq: 11 Aug 2019 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBL02

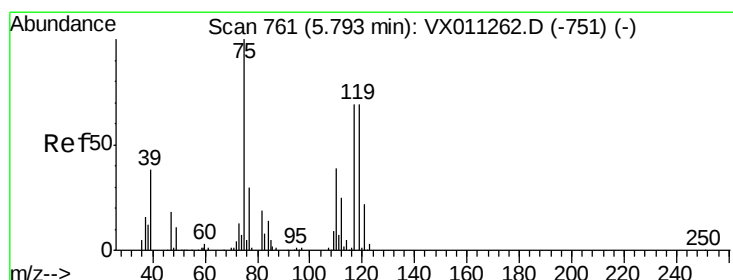
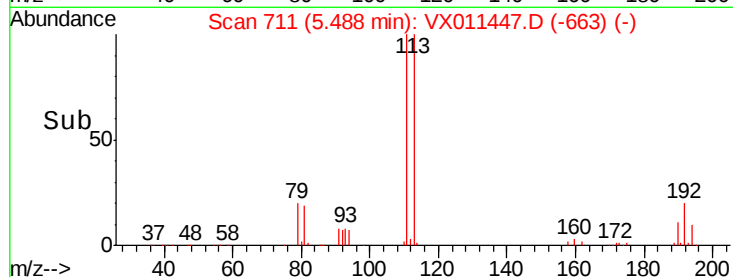
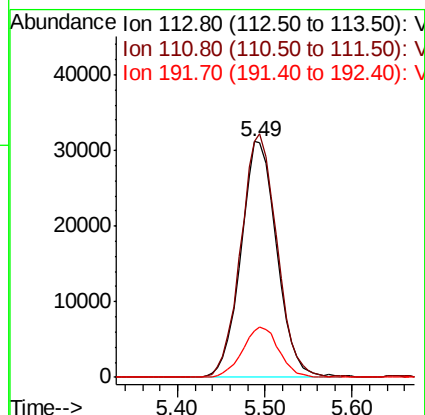
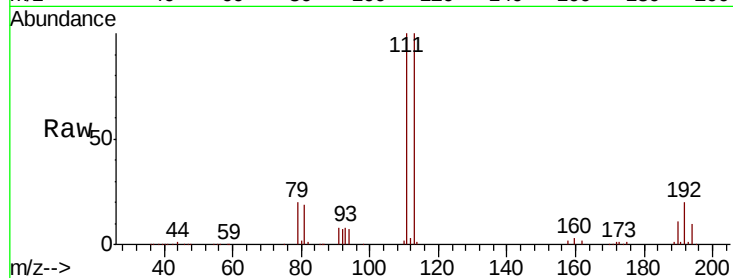
Tgt Ion:113 Resp: 88771

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 21.5 17.8 26.8



#36

1,1-Dichloropropene

Concen: 5.302 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011447.D

Acq: 11 Aug 2019 22:28

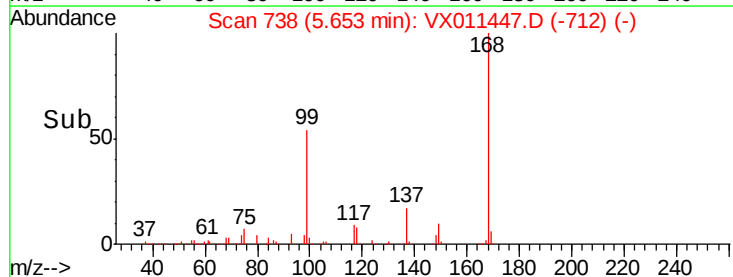
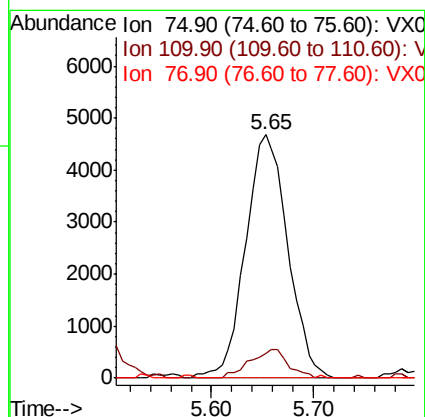
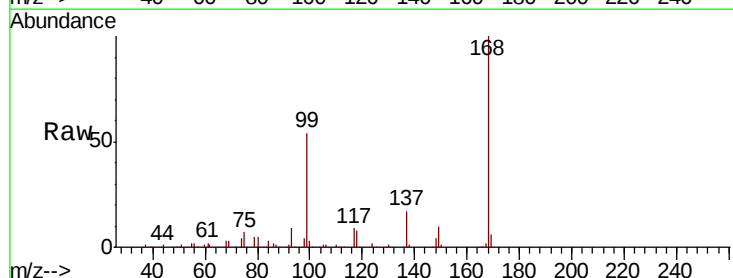
Tgt Ion: 75 Resp: 13455

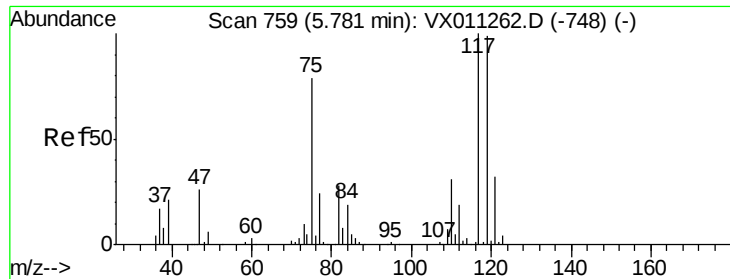
Ion Ratio Lower Upper

75 100

110 10.6 20.0 59.9#

77 0.0 24.8 37.2#

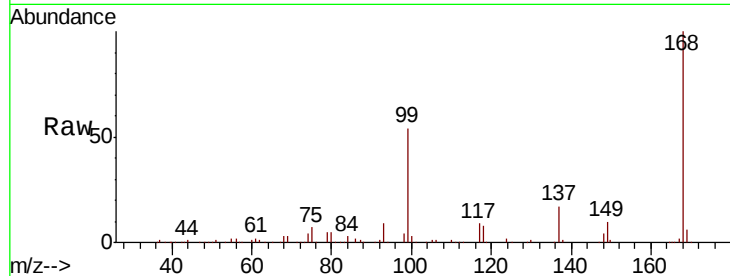




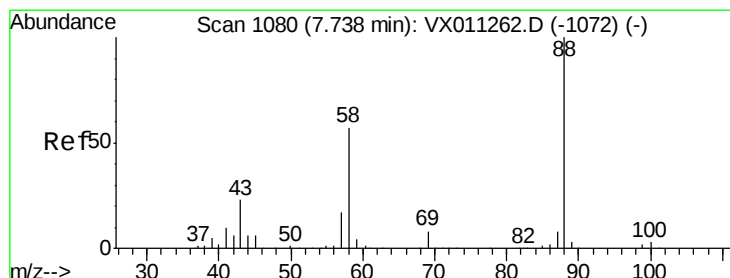
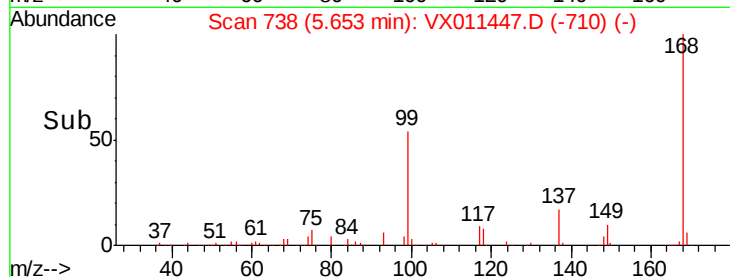
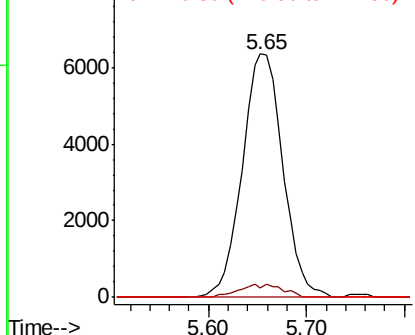
#38
Carbon Tetrachloride
Concen: 7.163 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011447.D
Acq: 11 Aug 2019 22:28

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBL02

Tgt Ion: 117 Resp: 18288
Ion Ratio Lower Upper
117 100
119 3.7 79.0 118.4#
121 0.0 25.9 38.9#

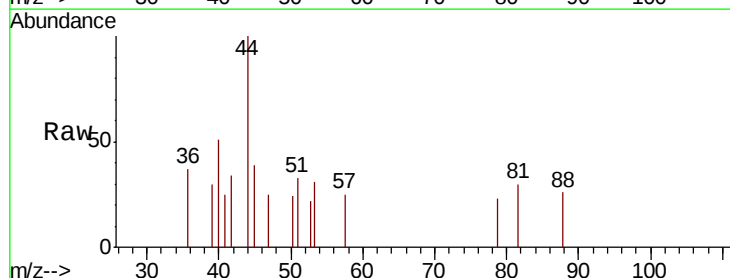


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

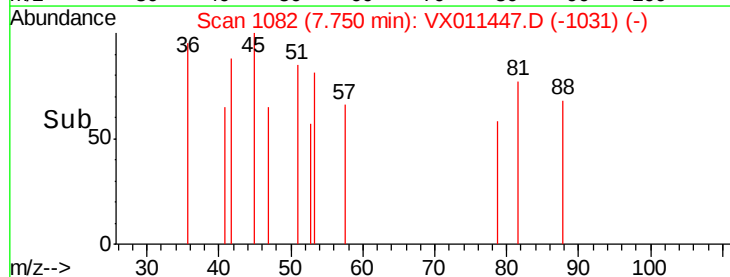
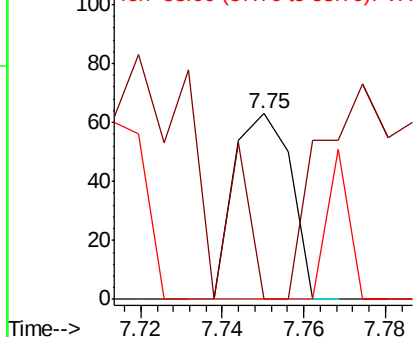


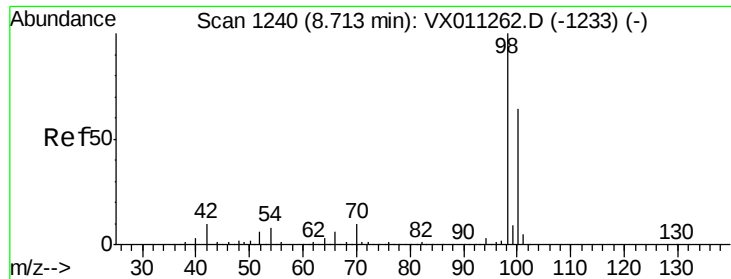
#49
1,4-Dioxane
Concen: 1.099 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX011447.D
Acq: 11 Aug 2019 22:28

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 0.0 47.8 71.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.450 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011447.D

Acq: 11 Aug 2019 22:28

Instrument :

MSVOA_X

ClientSampleId :

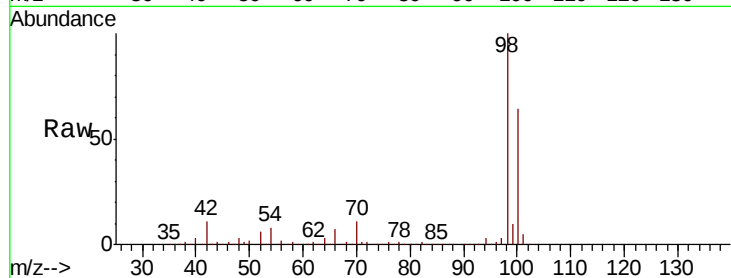
VX0811WBL02

Tgt Ion: 98 Resp: 339863

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

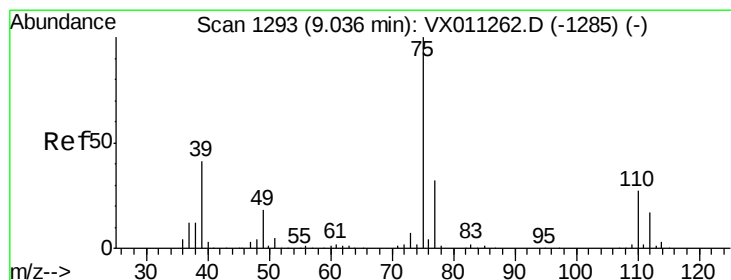
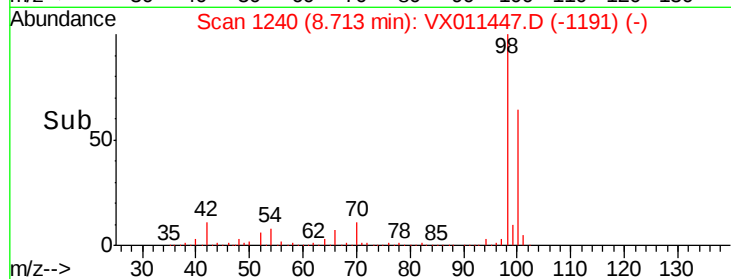
150000

100000

50000

0

Time--> 8.60 8.70 8.80 8.90



#53

t-1,3-Dichloropropene

Concen: 2.845 ug/l

RT: 9.03 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VX011447.D

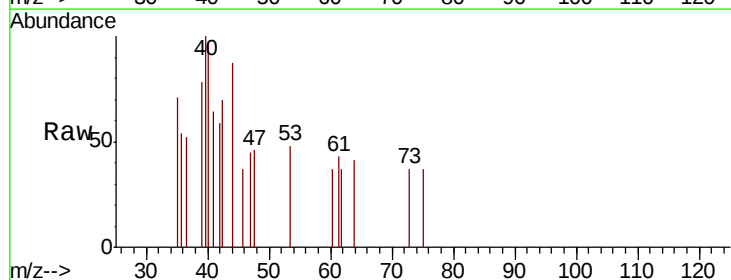
Acq: 11 Aug 2019 22:28

Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.03

60

50

40

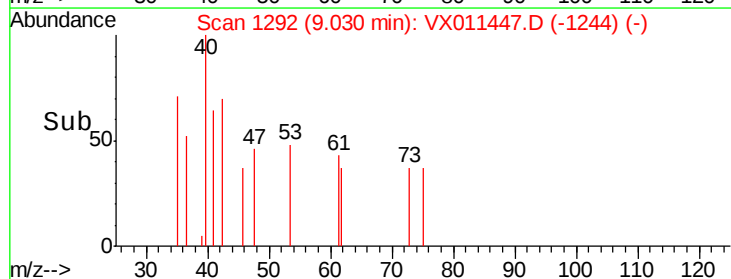
30

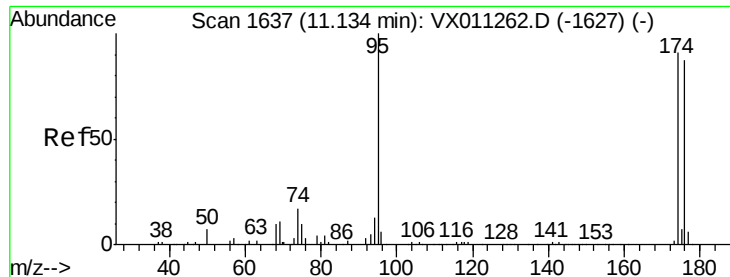
20

10

0

Time--> 9.01 9.02 9.03 9.04

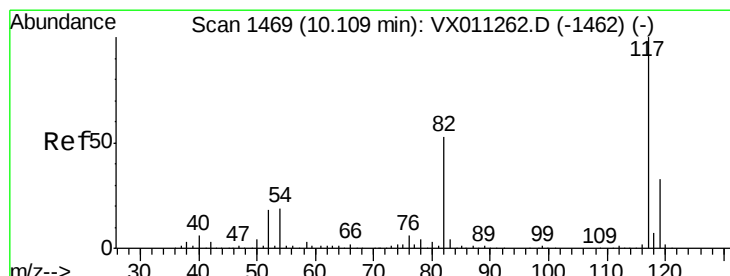
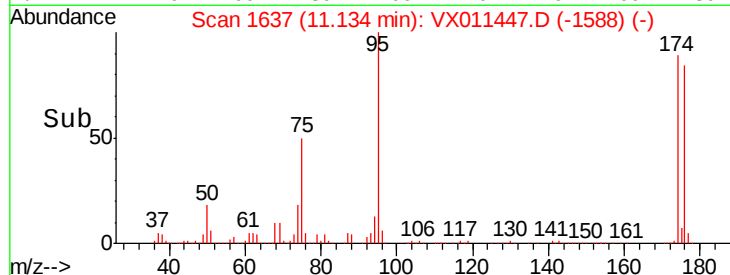
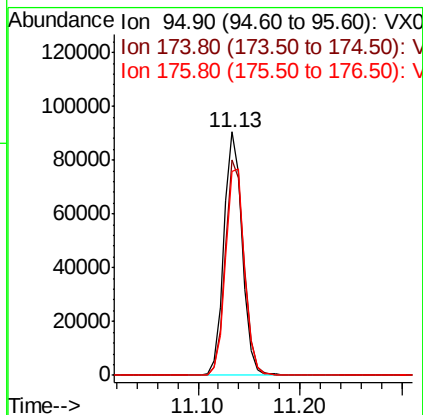
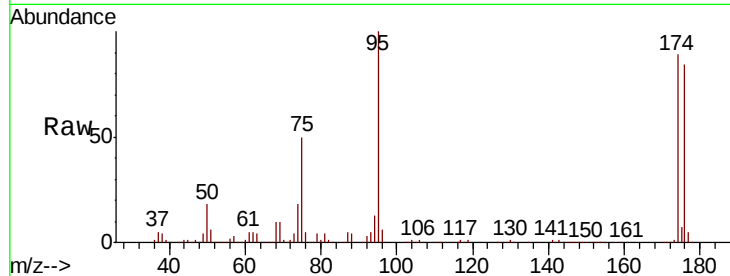




#62
4-Bromofluorobenzene
Concen: 44.175 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011447.D
Acq: 11 Aug 2019 22:28

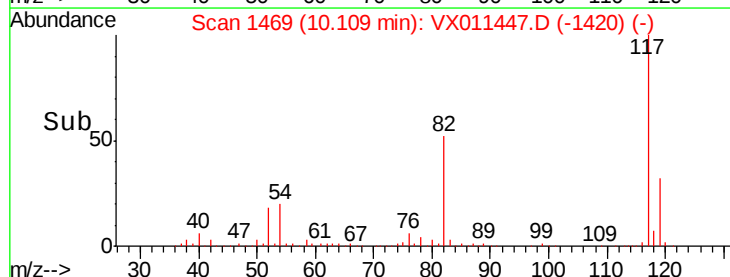
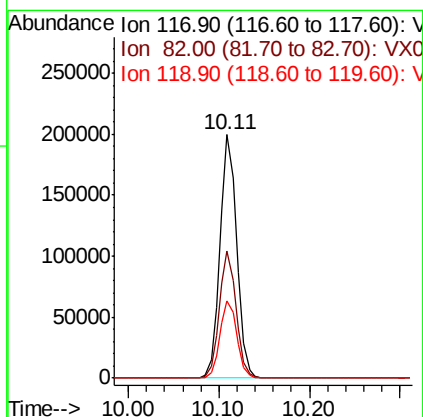
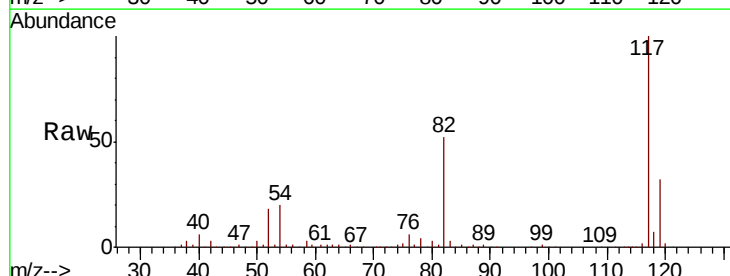
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBL02

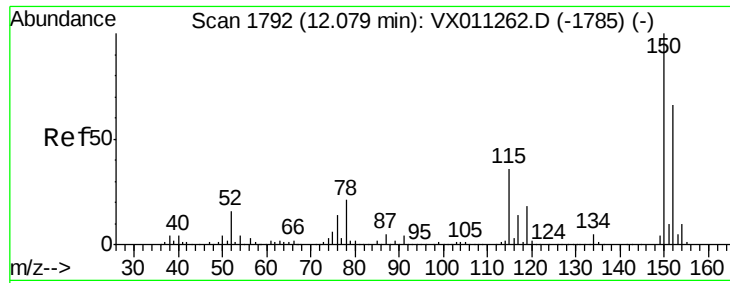
Tgt Ion: 95 Resp: 112966
Ion Ratio Lower Upper
95 100
174 90.6 0.0 191.2
176 87.5 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011447.D
Acq: 11 Aug 2019 22:28

Tgt Ion: 117 Resp: 258128
Ion Ratio Lower Upper
117 100
82 52.4 42.2 63.2
119 31.6 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011447.D

Acq: 11 Aug 2019 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBL02

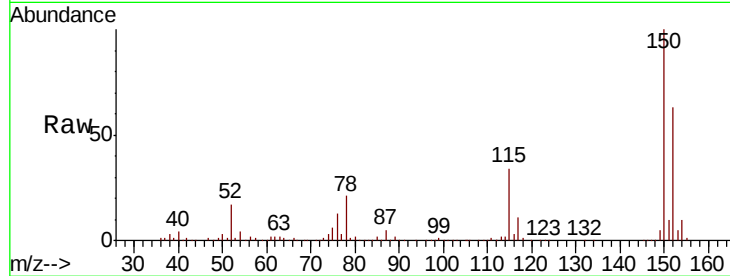
Tgt Ion:152 Resp: 118439

Ion Ratio Lower Upper

152 100

115 55.6 40.0 119.9

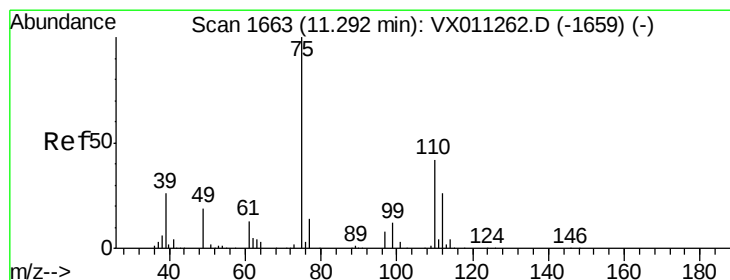
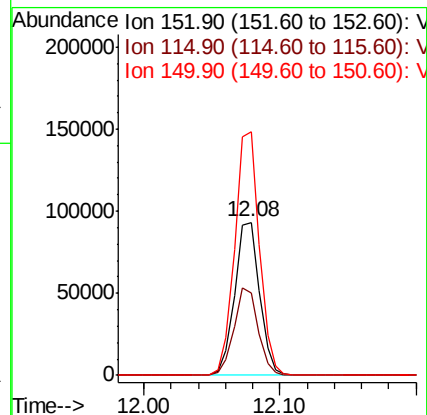
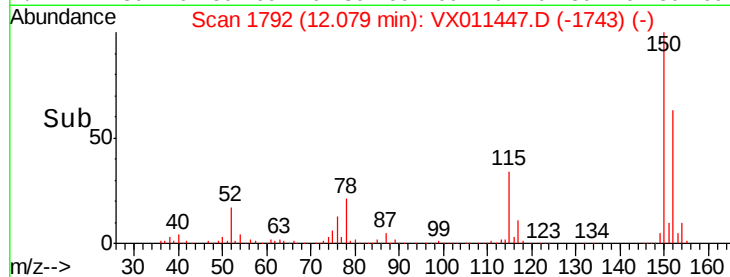
150 157.6 0.0 350.4



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: 26.642 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011447.D

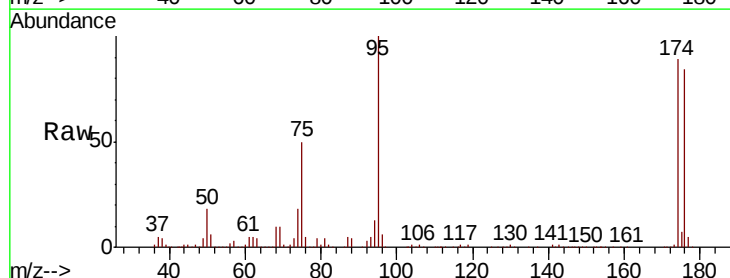
Acq: 11 Aug 2019 22:28

Tgt Ion: 75 Resp: 57464

Ion Ratio Lower Upper

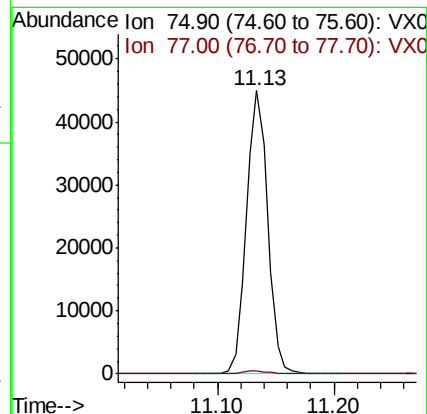
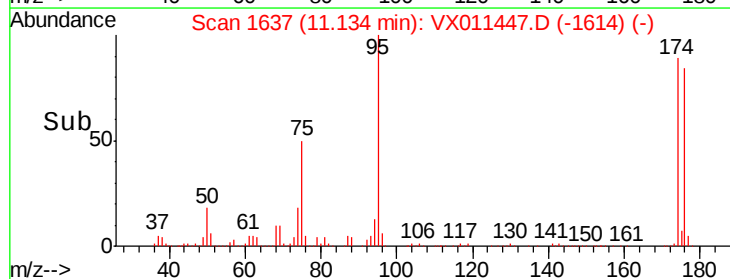
75 100

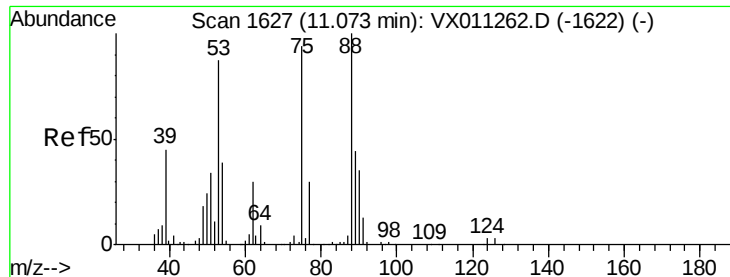
77 1.4 21.1 63.4#



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: 69.226 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011447.D

Acq: 11 Aug 2019 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBL02

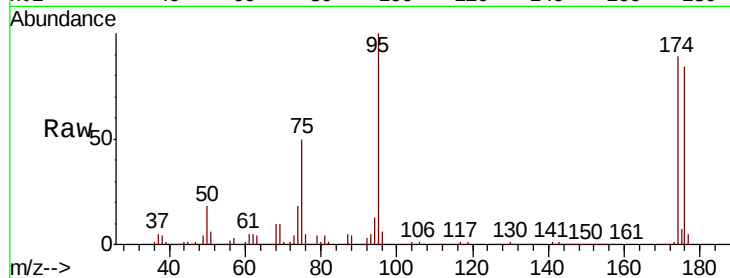
Tgt Ion: 75 Resp: 57464

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 37.9 56.9#



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

