

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011672.D
 Acq On : 20 Aug 2019 10:13
 Operator : JC/SP
 Sample : VX0820MBL01
 Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820MBL01

Quant Time: Aug 31 00:47:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	395729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	486175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	469039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	224958	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	197235	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	5.49	113	166045	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	8.71	98	587810	59.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.66%	
62) 4-Bromofluorobenzene	11.13	95	216350	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	

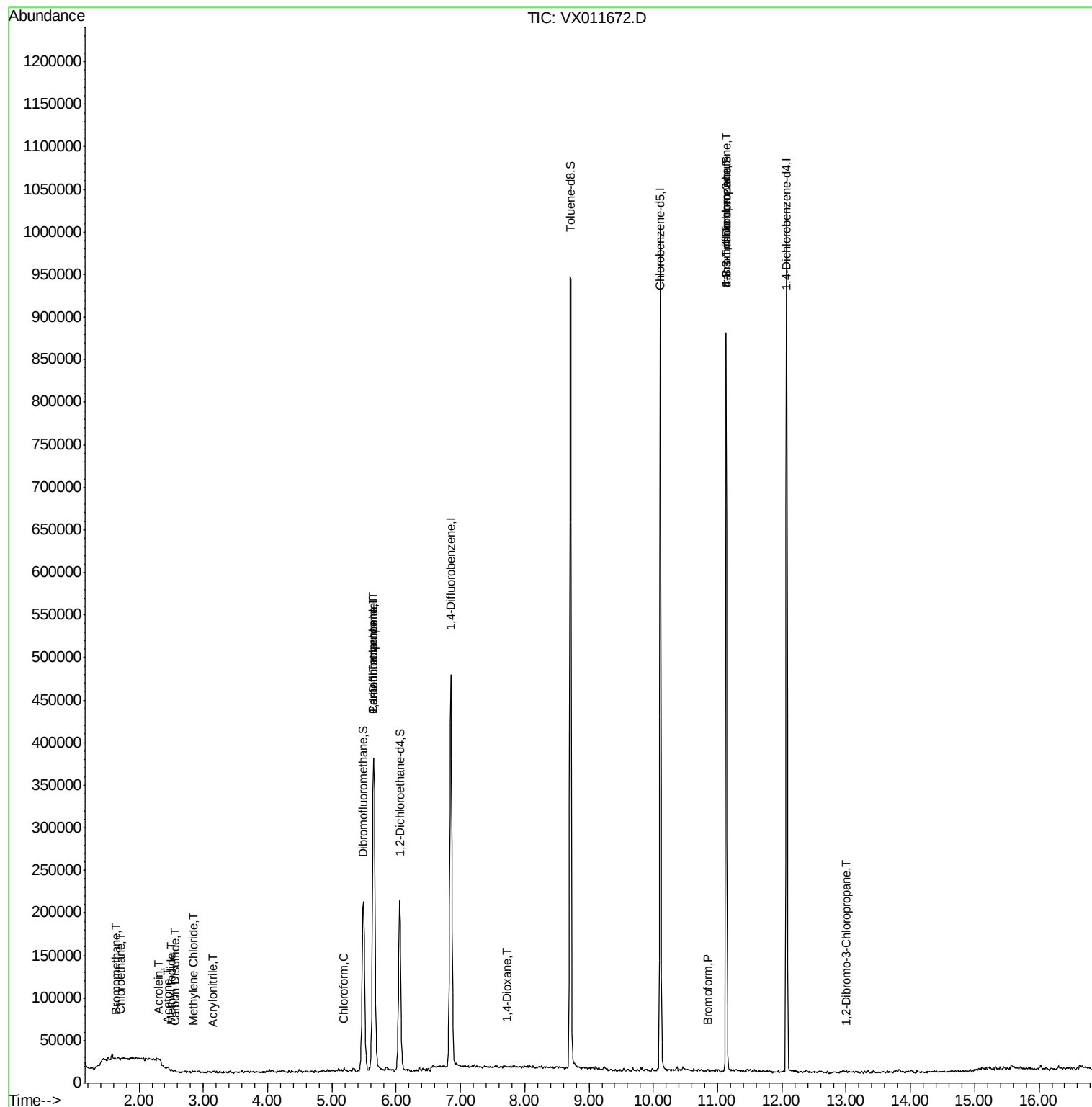
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	911	0.557	ug/l #	10
6) Chloroethane	1.71	64	533	0.309	ug/l #	5
10) Methyl Iodide	2.51	142	1203	0.242	ug/l #	76
13) Acrolein	2.29	56	282	13.152	ug/l #	1
15) Acrylonitrile	3.14	53	550	0.267	ug/l #	53
16) Acetone	2.43	43	719	0.390	ug/l #	54
17) Carbon Disulfide	2.56	76	1738	0.219	ug/l #	45
20) Methylene Chloride	2.84	84	865	0.223	ug/l #	54
30) Chloroform	5.20	83	1409	0.211	ug/l #	85
36) 1,1-Dichloropropene	5.65	75	24195	5.821	ug/l #	49
38) Carbon Tetrachloride	5.65	117	34331	7.496	ug/l #	16
49) 1,4-Dioxane	7.73	88	180	1.832	ug/l #	45
71) Bromoform	10.85	173	119	3.322	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	100444	23.547	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	100402	62.525	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.00	75	312	0.272	ug/l #	1

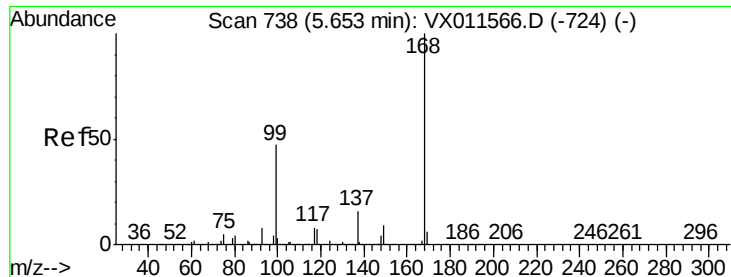
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

Instrument :

MSVOA_X

ClientSampleId :

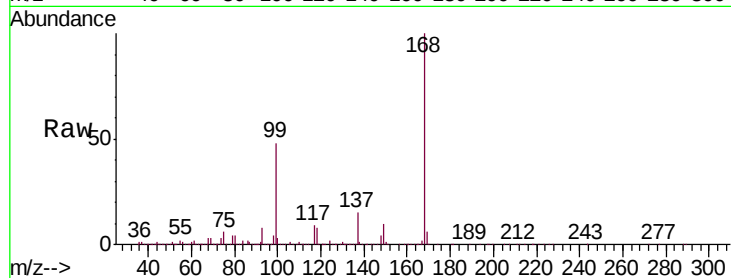
VX0820MBL01

Tgt Ion:168 Resp: 395729

Ion Ratio Lower Upper

168 100

99 48.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

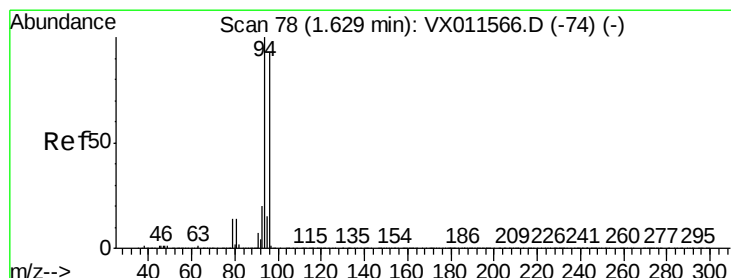
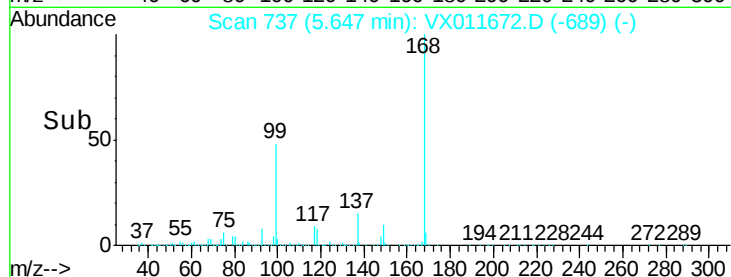
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.557 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011672.D

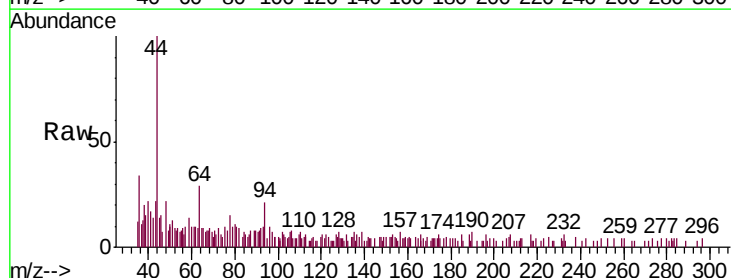
Acq: 20 Aug 2019 10:13

Tgt Ion: 94 Resp: 911

Ion Ratio Lower Upper

94 100

96 7.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

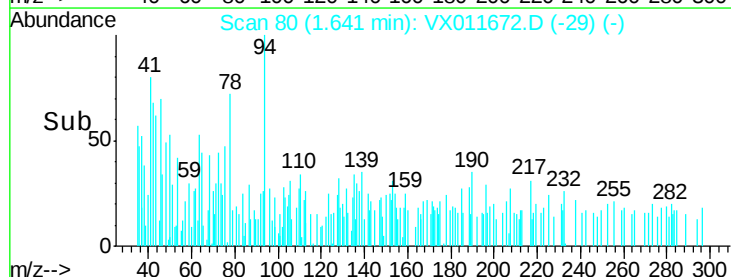
300

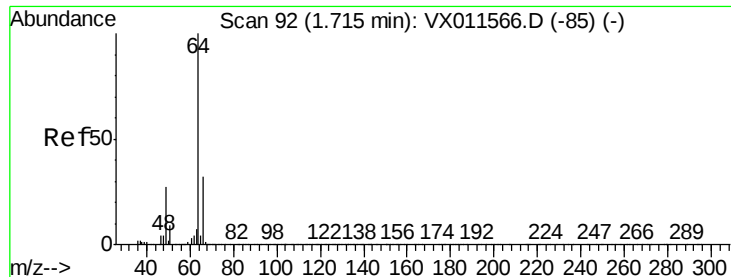
200

100

0

Time-->





#6

Chloroethane

Concen: 0.309 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

Instrument :

MSVOA_X

ClientSampled :

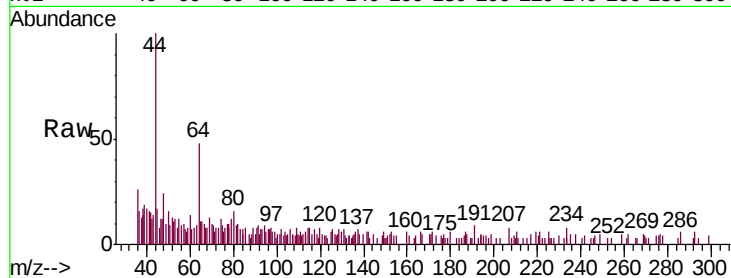
VX0820MBL01

Tgt Ion: 64 Resp: 533

Ion Ratio Lower Upper

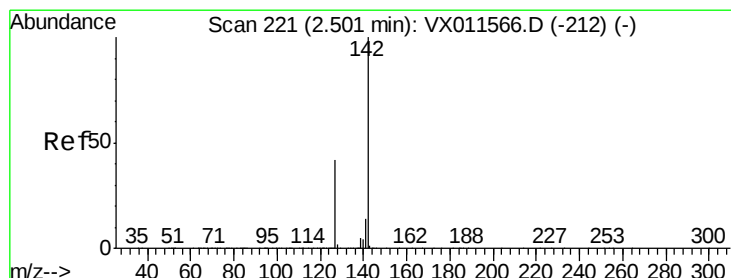
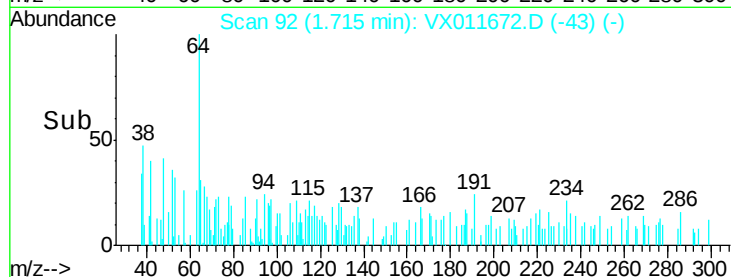
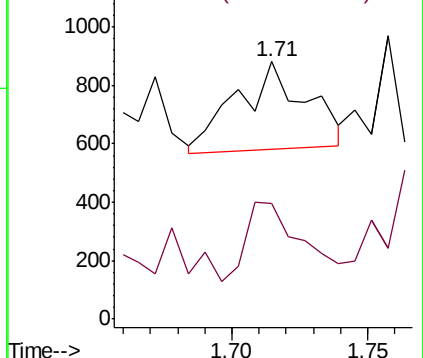
64 100

66 84.3 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.242 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

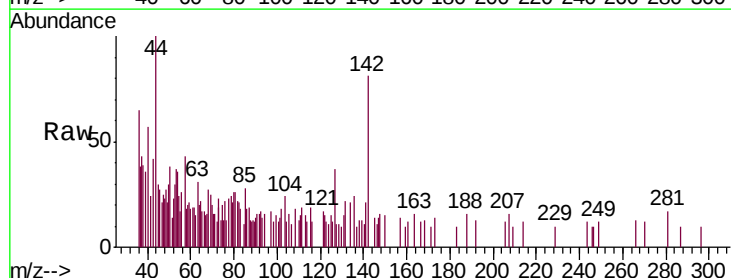
Tgt Ion: 142 Resp: 1203

Ion Ratio Lower Upper

142 100

127 54.0 32.8 49.2#

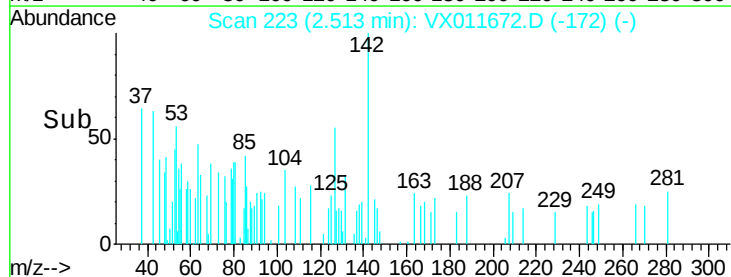
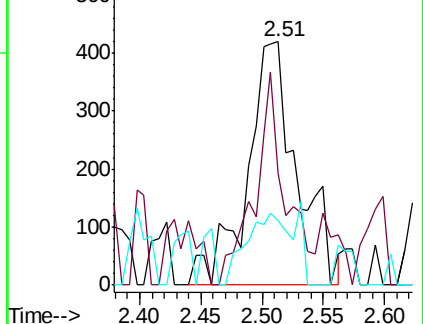
141 0.0 11.4 17.2#

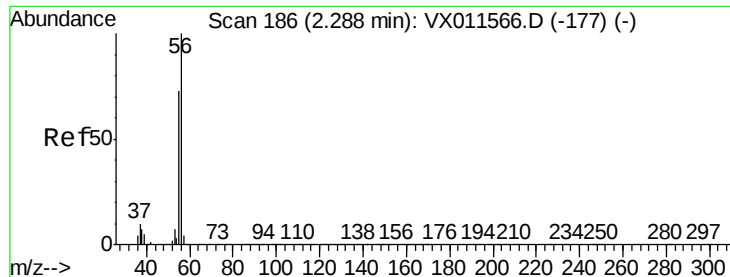


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 13.152 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

Instrument :

MSVOA_X

ClientSampled :

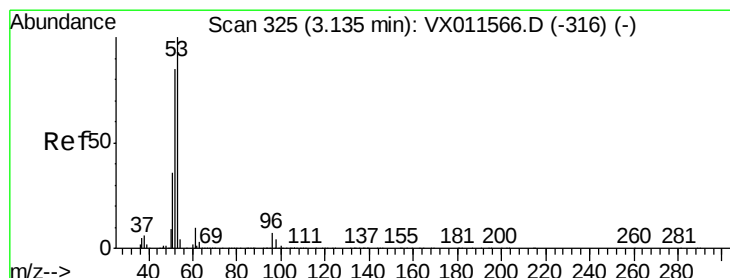
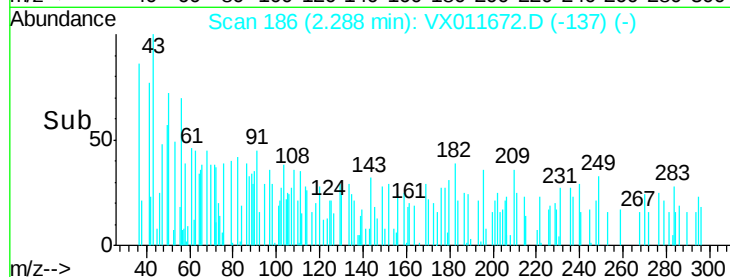
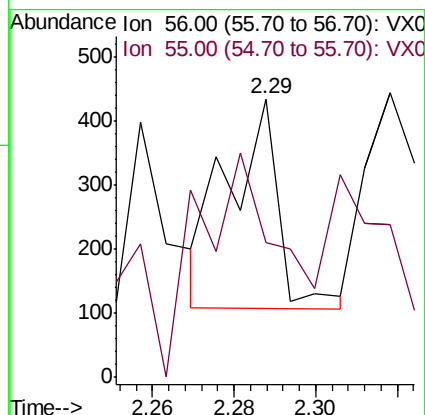
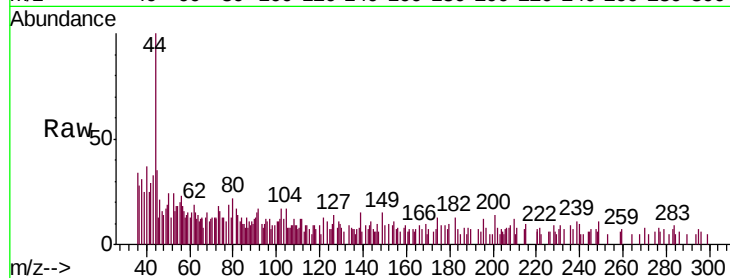
VX0820MBL01

Tgt Ion: 56 Resp: 282

Ion Ratio Lower Upper

56 100

55 179.4 55.5 83.3#



#15

Acrylonitrile

Concen: 0.267 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

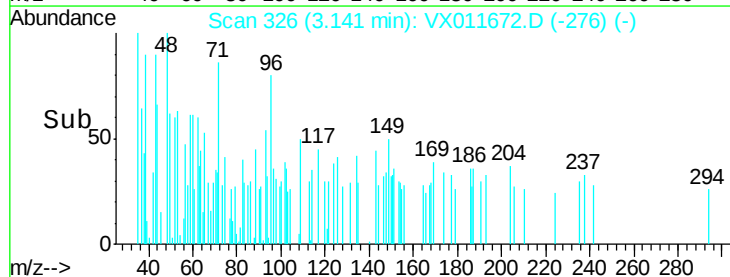
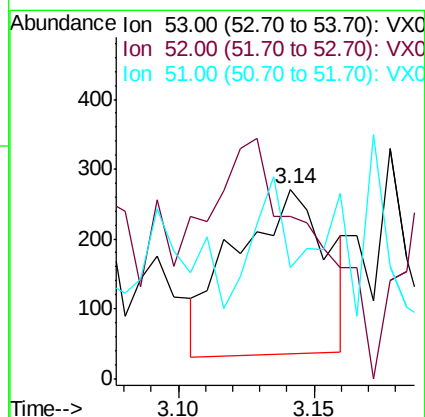
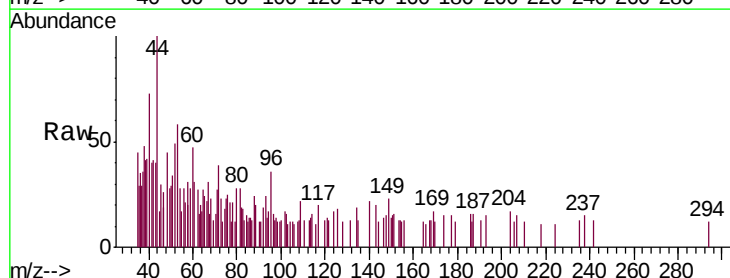
Tgt Ion: 53 Resp: 550

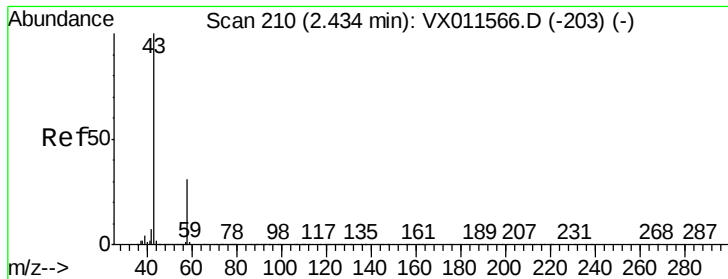
Ion Ratio Lower Upper

53 100

52 141.8 66.7 100.1#

51 38.9 28.7 43.1





#16

Acetone

Concen: 0.390 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

Instrument :

MSVOA_X

ClientSampleId :

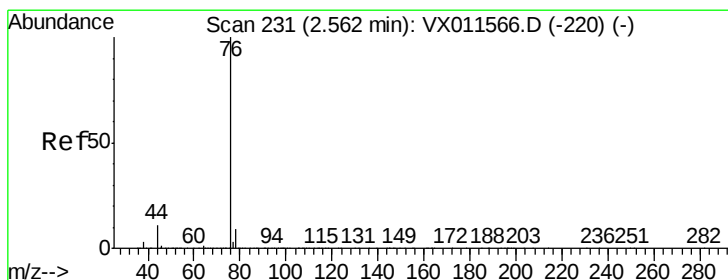
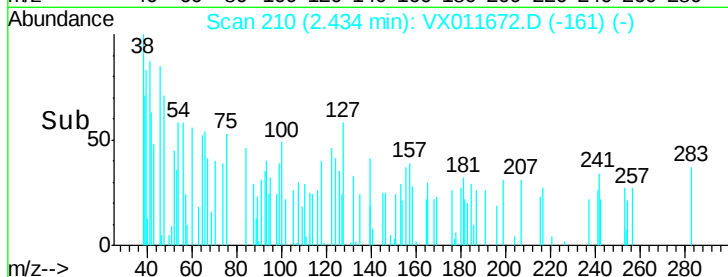
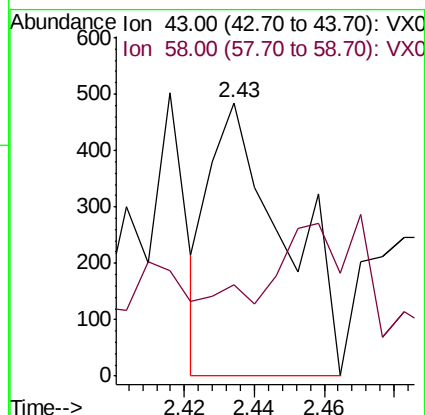
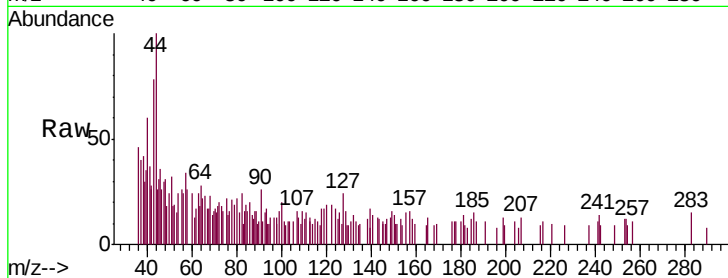
VX0820MBL01

Tgt Ion: 43 Resp: 719

Ion Ratio Lower Upper

43 100

58 5.8 25.2 37.8#



#17

Carbon Disulfide

Concen: 0.219 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX011672.D

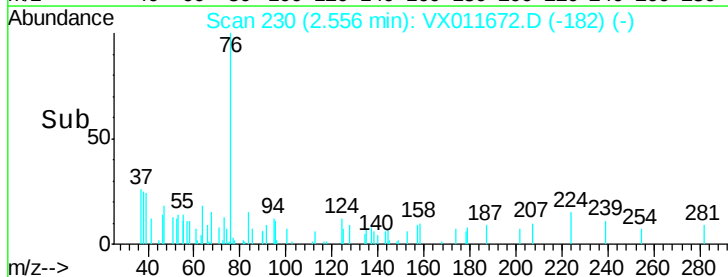
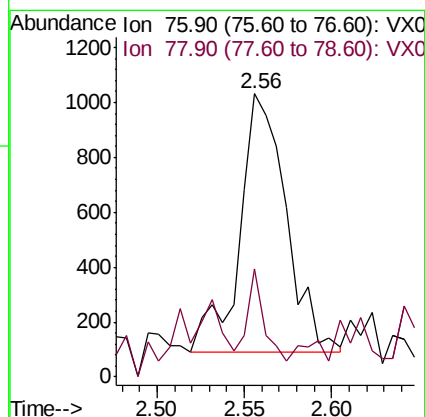
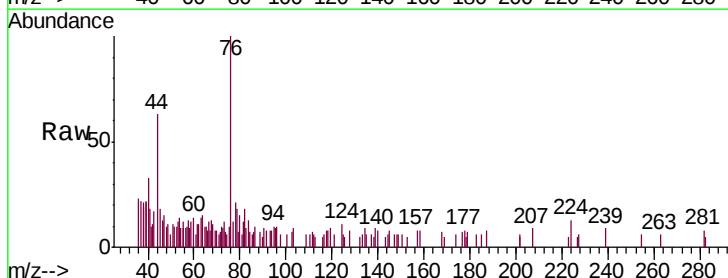
Acq: 20 Aug 2019 10:13

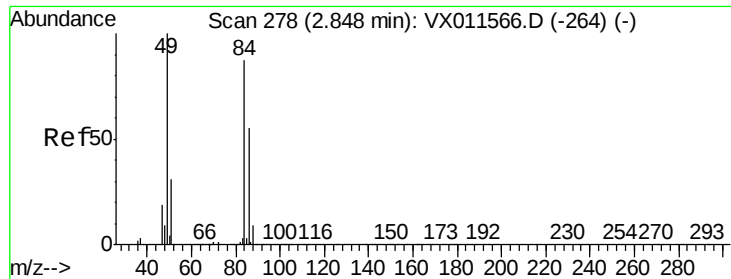
Tgt Ion: 76 Resp: 1738

Ion Ratio Lower Upper

76 100

78 29.0 7.2 10.8#

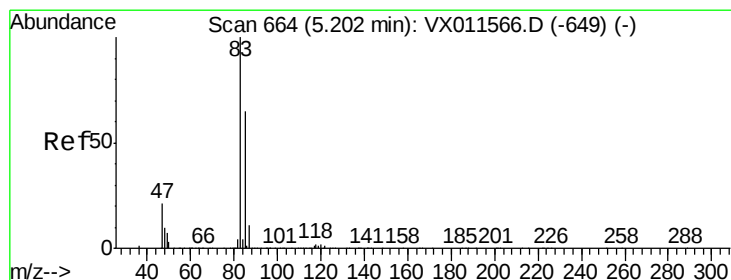
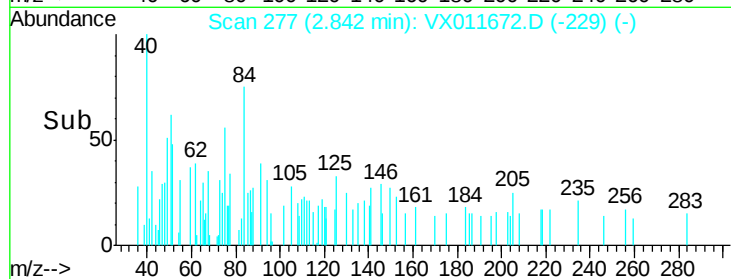
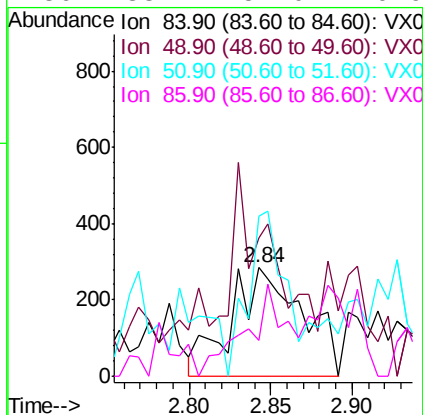
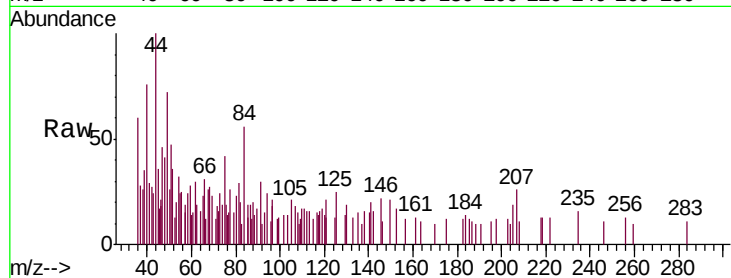




#20
Methylene Chloride
Concen: 0.223 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011672.D
Acq: 20 Aug 2019 10:13

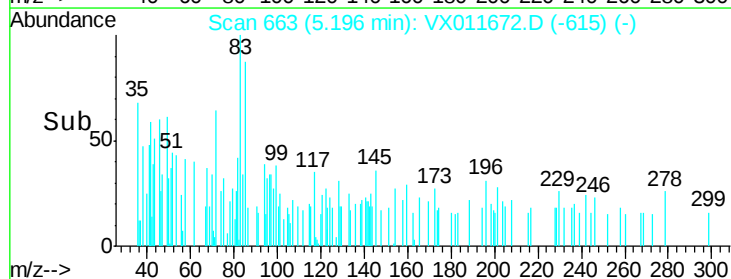
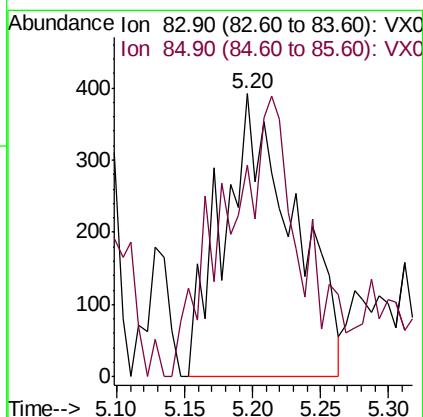
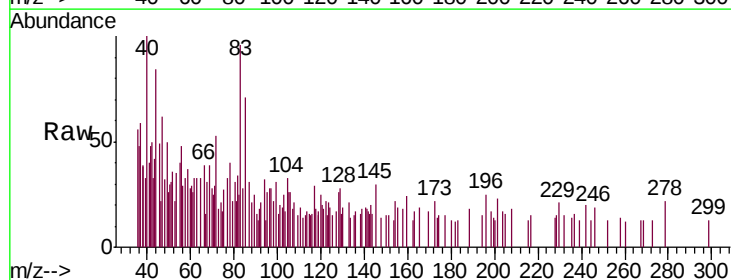
Instrument :
MSVOA_X
ClientSampleId :
VX0820MBL01

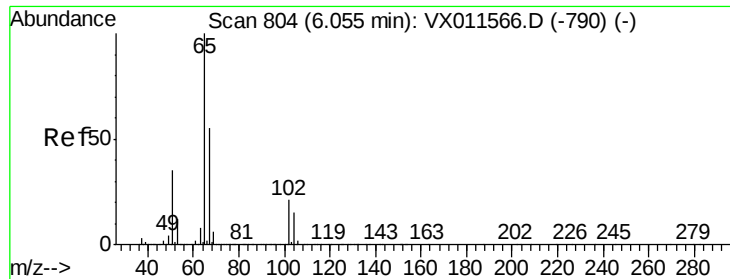
Tgt Ion:	84	Resp:	865
Ion	Ratio	Lower	Upper
84	100		
49	84.9	92.4	138.6#
51	109.1	28.5	42.7#
86	38.2	51.0	76.6#



#30
Chloroform
Concen: 0.211 ug/l
RT: 5.20 min Scan# 663
Delta R.T. -0.01 min
Lab File: VX011672.D
Acq: 20 Aug 2019 10:13

Tgt Ion:	83	Resp:	1409
Ion	Ratio	Lower	Upper
83	100		
85	52.8	51.9	77.9





#33

1,2-Dichloroethane-d4

Concen: 53.745 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

Instrument :

MSVOA_X

ClientSampleId :

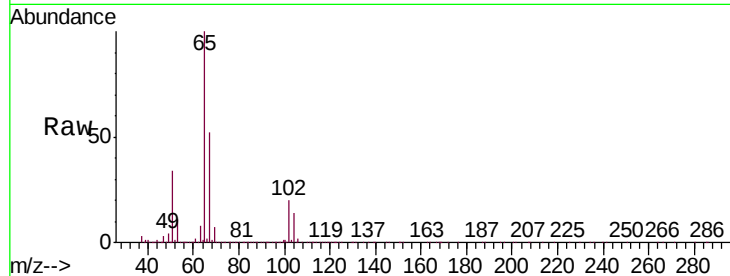
VX0820MBL01

Tgt Ion: 65 Resp: 197235

Ion Ratio Lower Upper

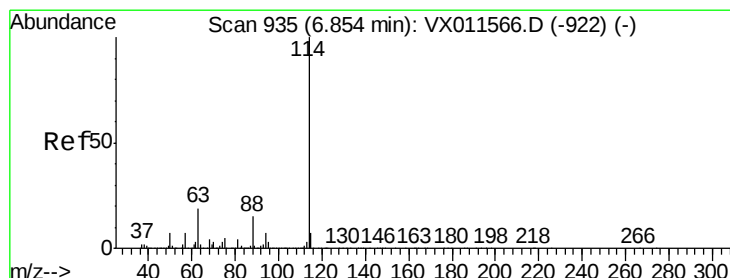
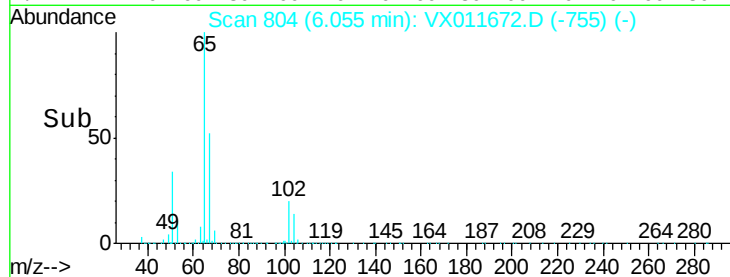
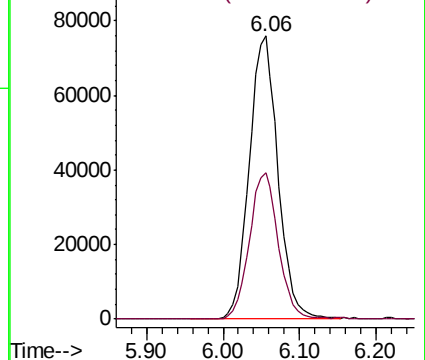
65 100

67 51.5 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.01 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

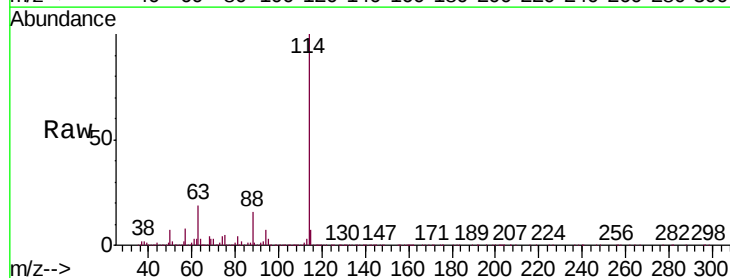
Tgt Ion: 114 Resp: 486175

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.8

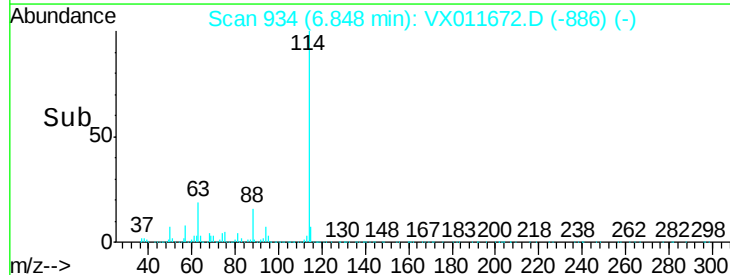
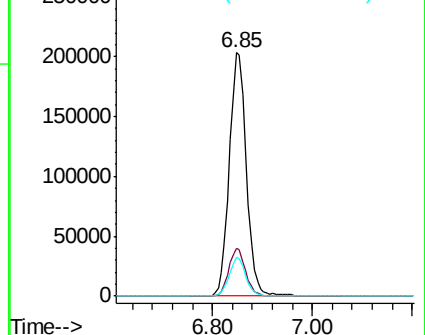
88 15.8 0.0 30.2

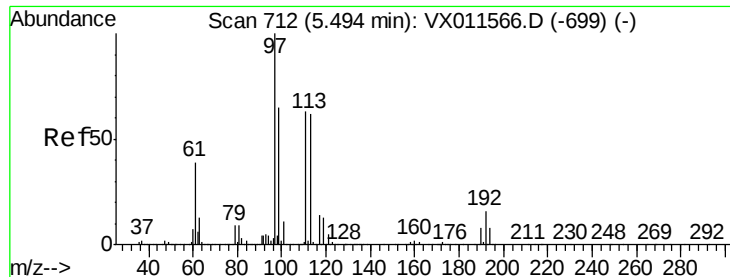


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.217 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0820MBL01

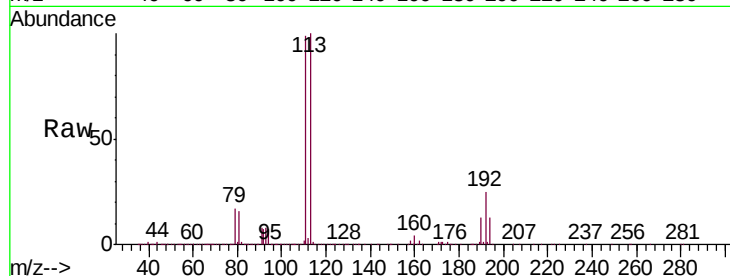
Tgt Ion:113 Resp: 166045

Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

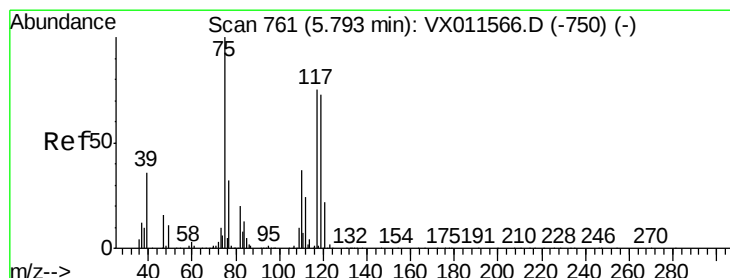
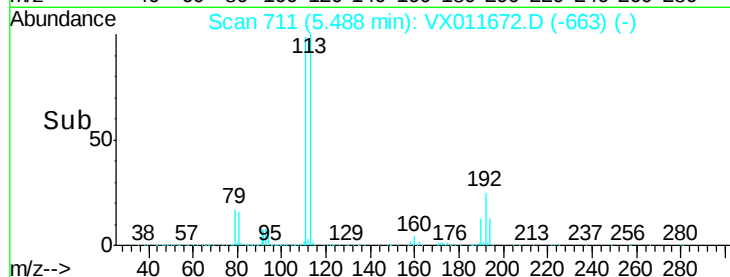
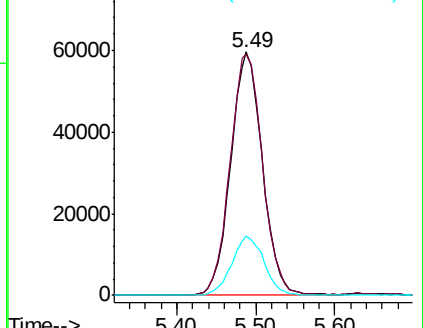
192 25.0 20.8 31.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.821 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

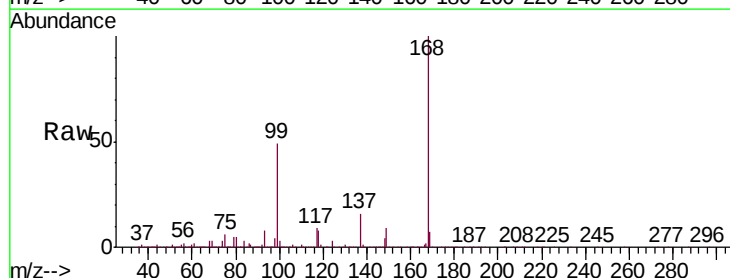
Tgt Ion: 75 Resp: 24195

Ion Ratio Lower Upper

75 100

110 9.7 19.4 58.1#

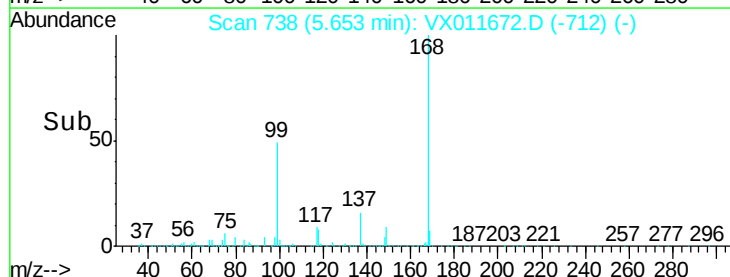
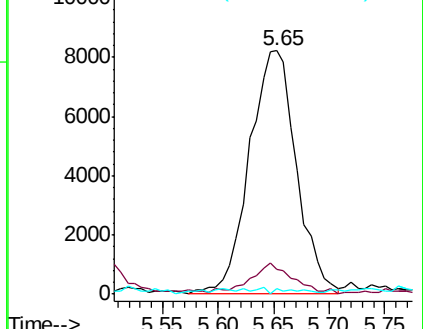
77 1.2 25.1 37.7#

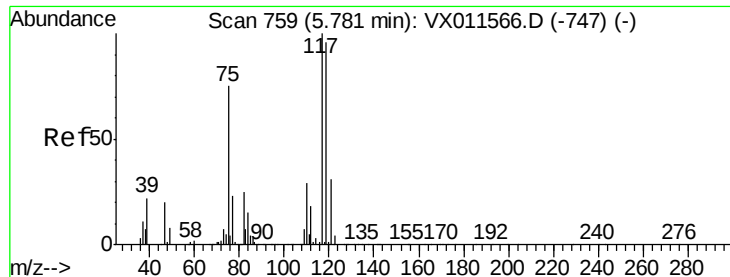


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.496 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.13 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0820MBL01

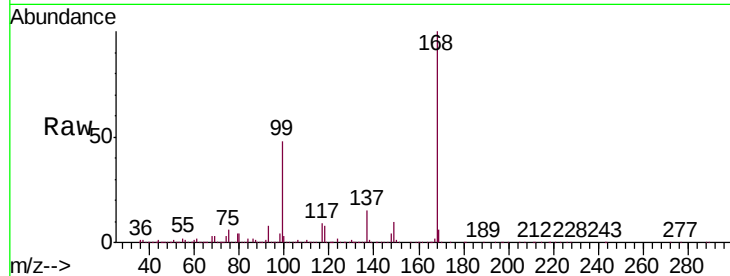
Tgt Ion: 117 Resp: 34331

Ion Ratio Lower Upper

117 100

119 4.3 76.9 115.3#

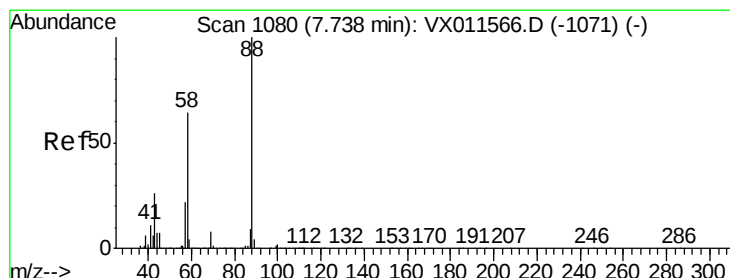
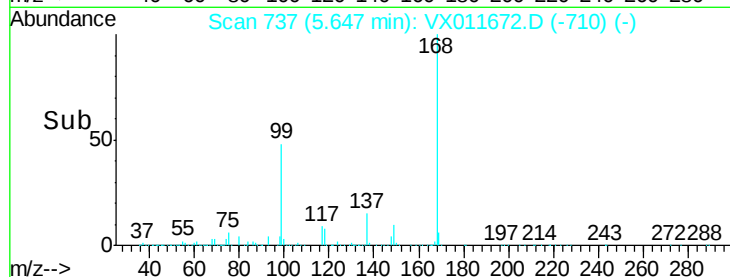
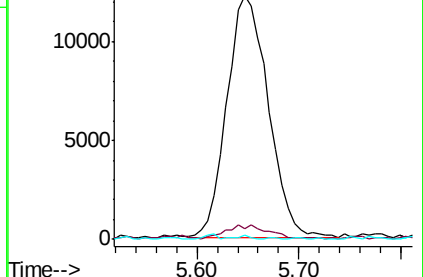
121 1.6 24.8 37.2#



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: 1.832 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

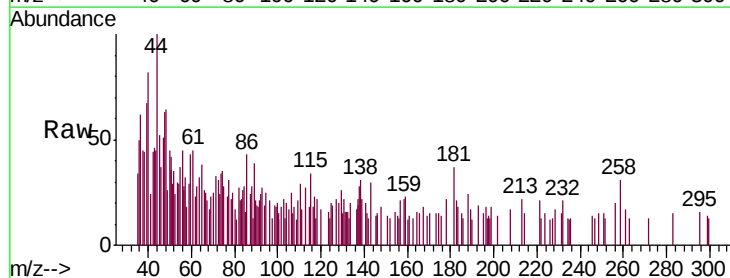
Tgt Ion: 88 Resp: 180

Ion Ratio Lower Upper

88 100

43 116.7 23.4 35.0#

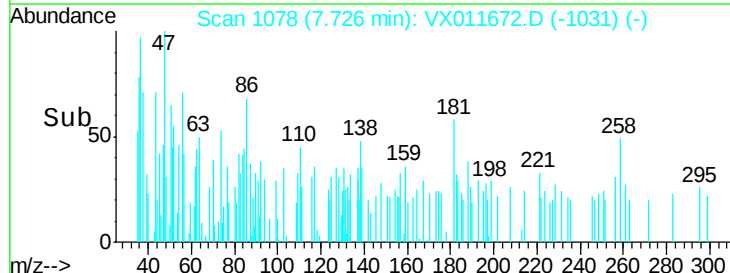
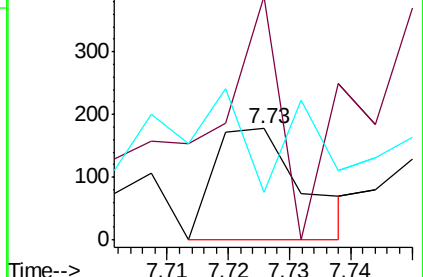
58 74.4 54.3 81.5

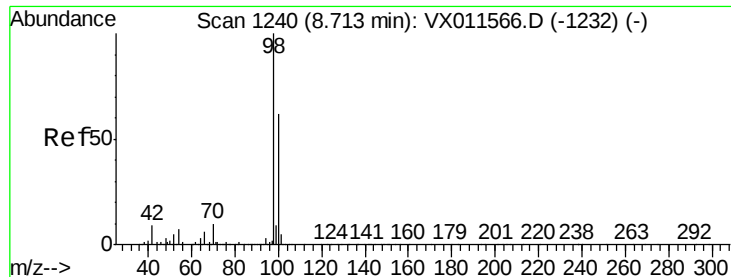


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 59.326 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

Instrument :

MSVOA_X

ClientSampleId :

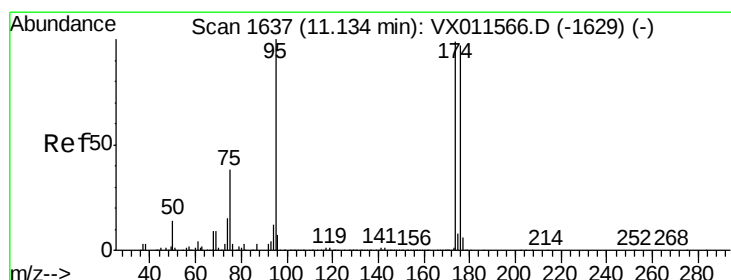
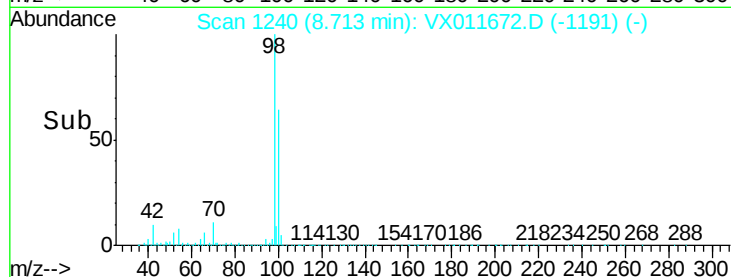
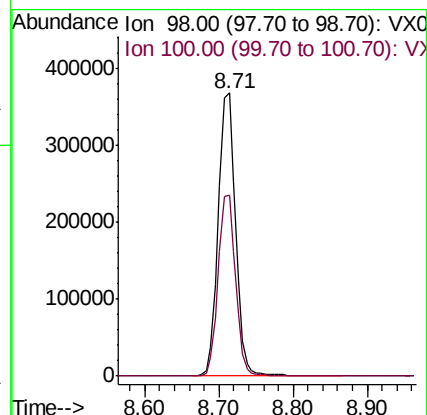
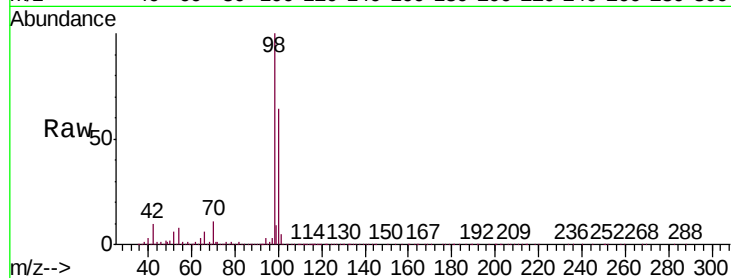
VX0820MBL01

Tgt Ion: 98 Resp: 587810

Ion Ratio Lower Upper

98 100

100 64.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 51.733 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

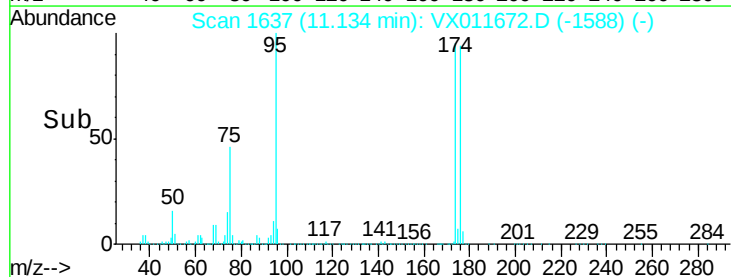
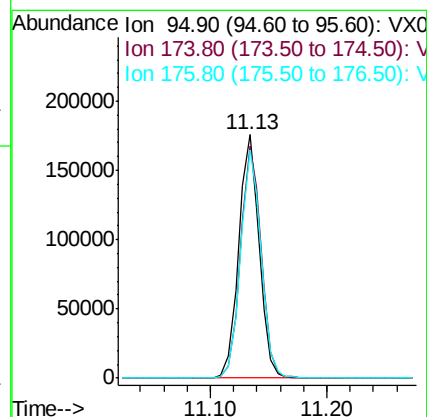
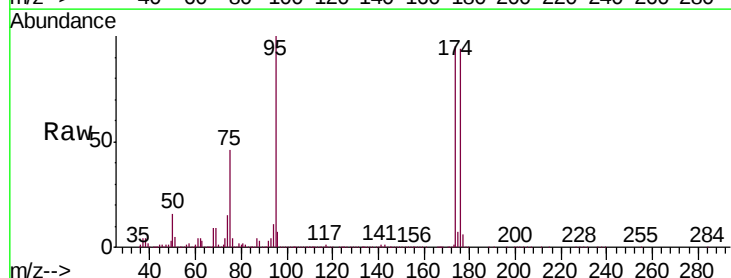
Tgt Ion: 95 Resp: 216350

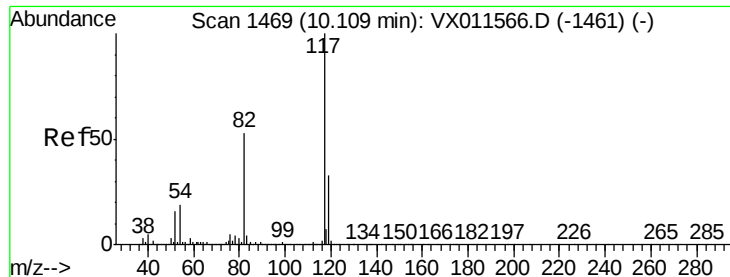
Ion Ratio Lower Upper

95 100

174 96.1 0.0 200.6

176 93.5 0.0 196.6

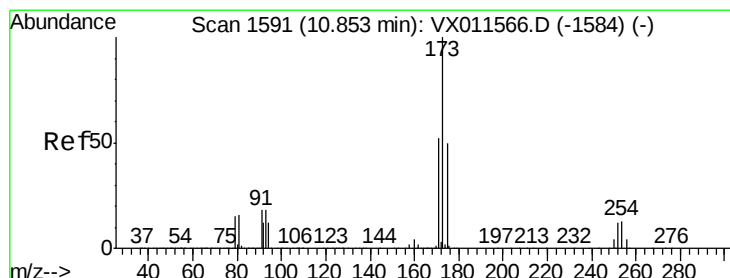
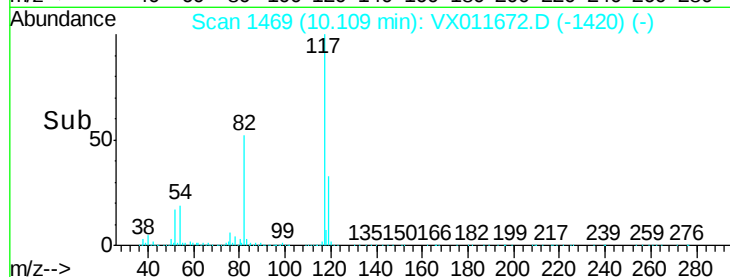
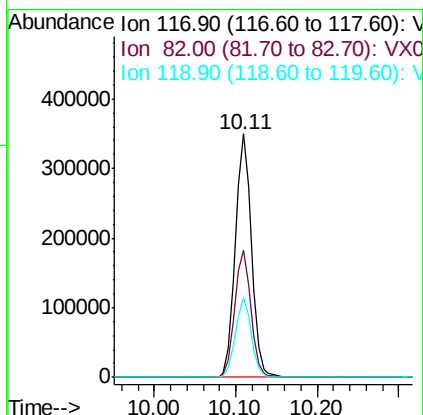
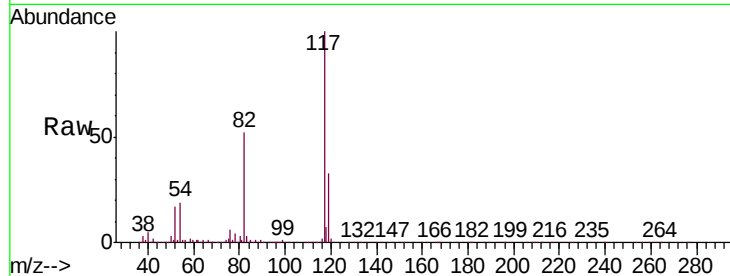




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011672.D
Acq: 20 Aug 2019 10:13

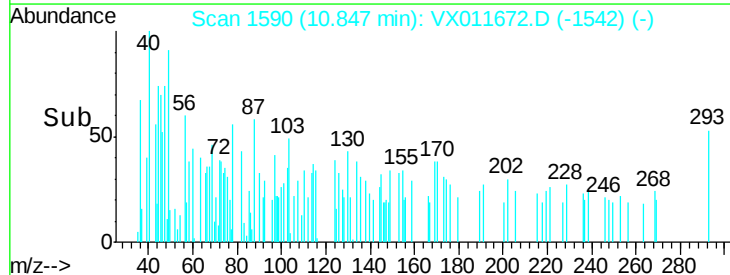
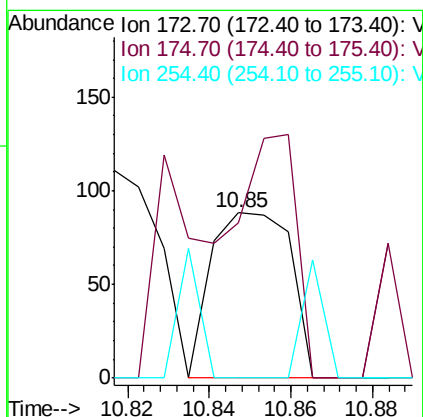
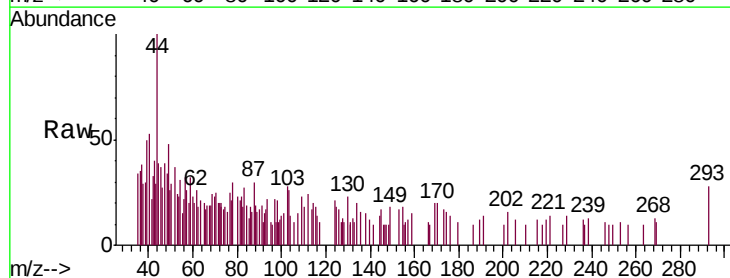
Instrument :
MSVOA_X
ClientSampleId :
VX0820MBL01

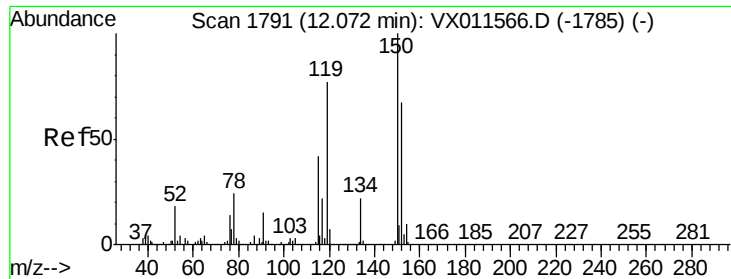
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.0	63.0
119	32.6	26.5	39.7



#71
Bromoform
Concen: 3.322 ug/l
RT: 10.85 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VX011672.D
Acq: 20 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.9	74.7#
254	21.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0820MBL01

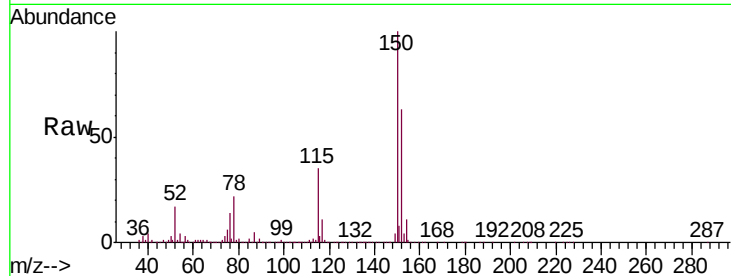
Tgt Ion: 152 Resp: 224958

Ion Ratio Lower Upper

152 100

115 54.0 37.3 111.9

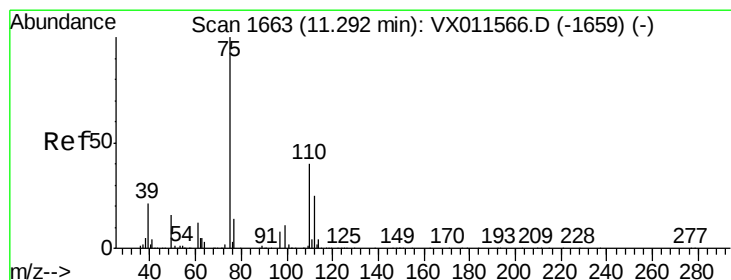
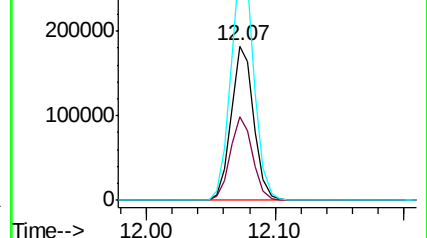
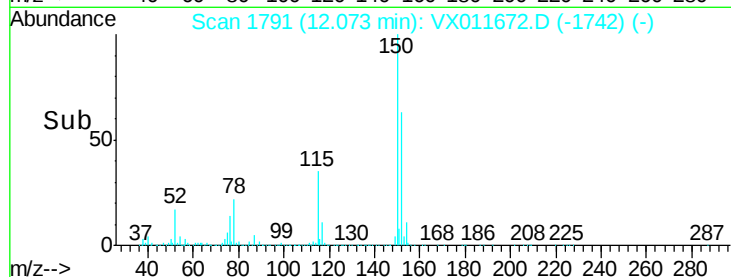
150 156.9 0.0 346.2



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: 23.547 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011672.D

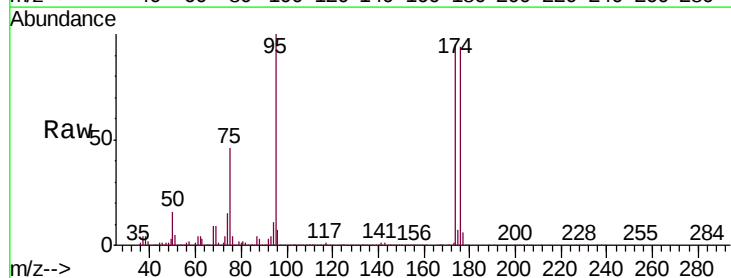
Acq: 20 Aug 2019 10:13

Tgt Ion: 75 Resp: 100444

Ion Ratio Lower Upper

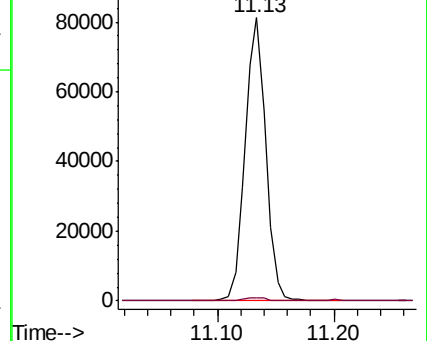
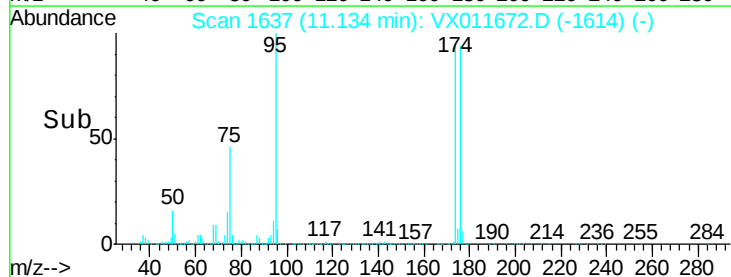
75 100

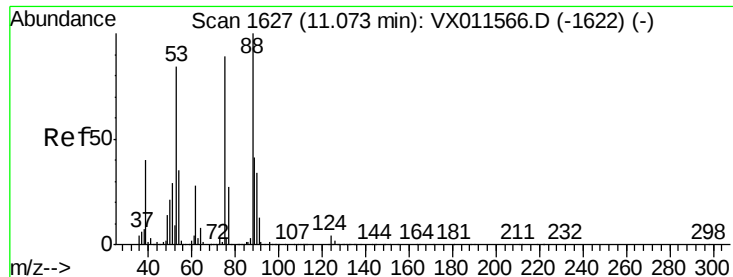
77 1.3 20.9 62.8#



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: 62.525 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

Instrument :

MSVOA_X

ClientSampled :

VX0820MBL01

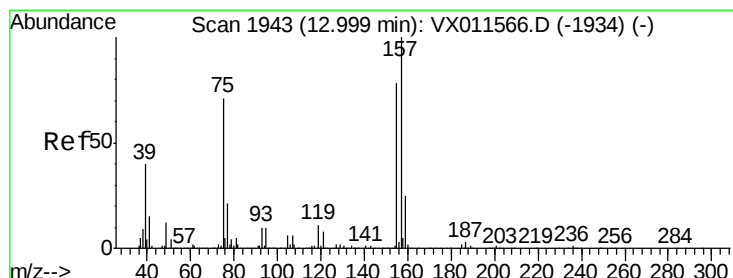
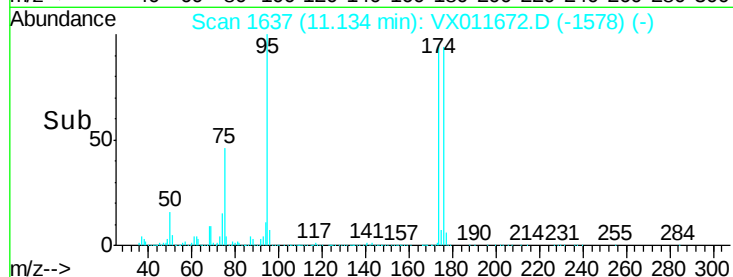
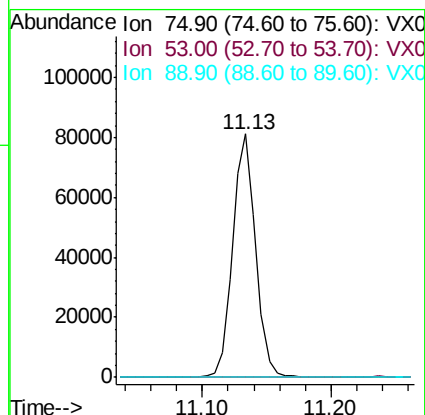
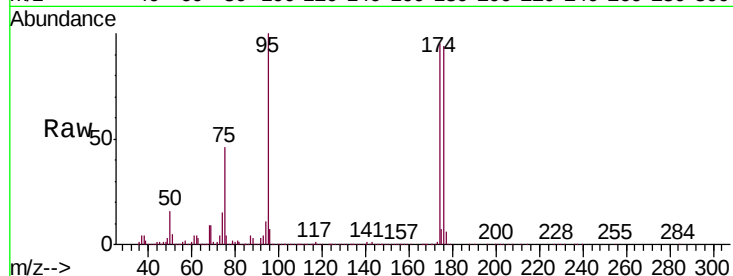
Tgt Ion: 75 Resp: 100402

Ion Ratio Lower Upper

75 100

53 0.1 77.4 116.0#

89 0.1 37.3 55.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.272 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX011672.D

Acq: 20 Aug 2019 10:13

Tgt Ion: 75 Resp: 312

Ion Ratio Lower Upper

75 100

155 22.1 53.0 159.0#

157 0.0 68.3 205.1#

