

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021820\
 Data File : VX014948.D
 Acq On : 18 Feb 2020 10:31
 Operator : JC/SP
 Sample : VX0218WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0218WBL01

Quant Time: Feb 19 00:14:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	465457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	711117	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	648993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	304177	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	262126	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
35) Dibromofluoromethane	5.48	113	218356	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	8.71	98	844280	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.13	95	291930	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

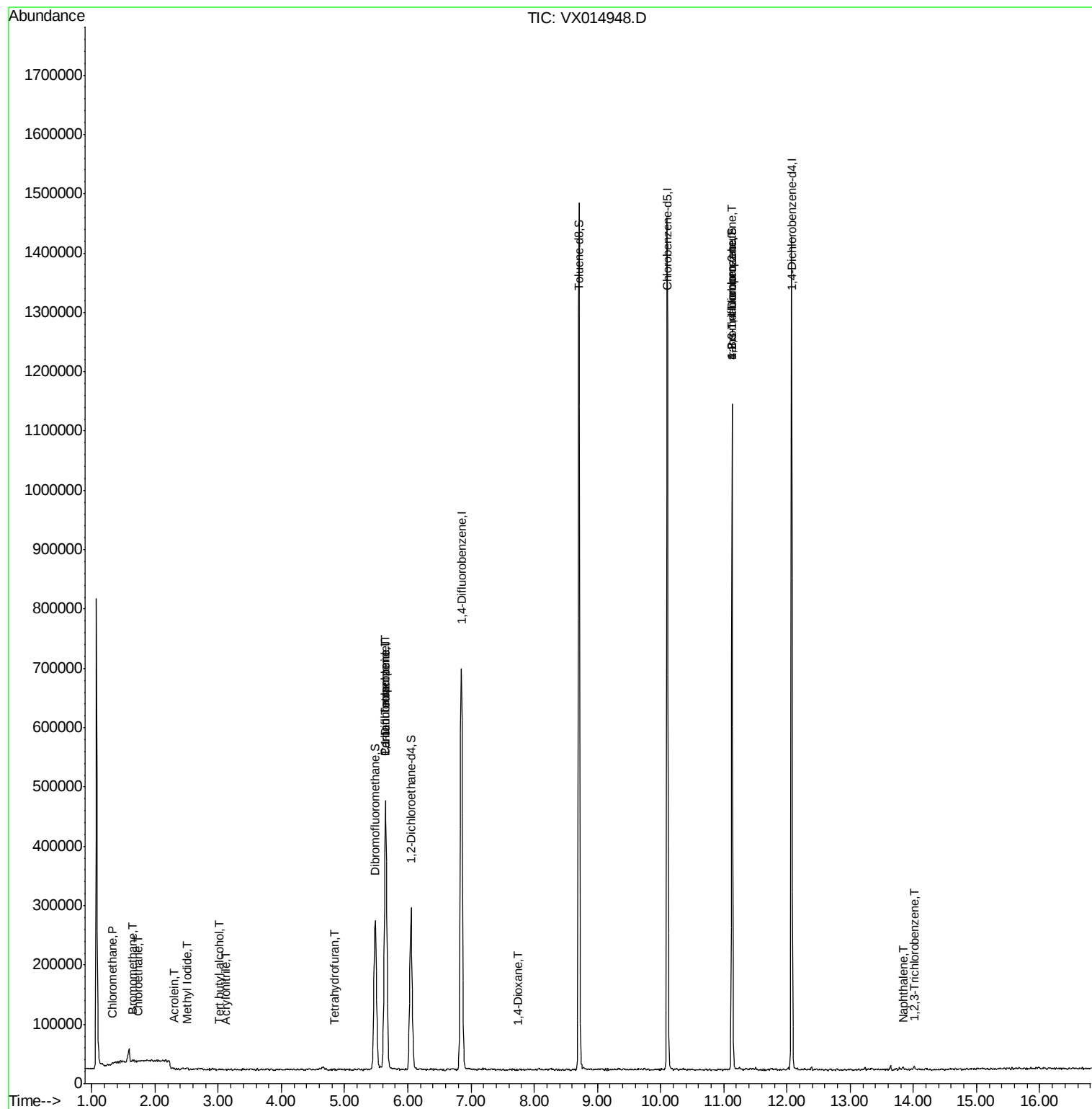
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2045	0.409	ug/l	96
5) Bromomethane	1.65	94	1870	0.537	ug/l	95
6) Chloroethane	1.73	64	2574	0.747	ug/l	93
10) Methyl Iodide	2.51	142	1700	4.687	ug/l #	74
11) Tert butyl alcohol	3.01	59	357	0.385	ug/l #	1
13) Acrolein	2.30	56	290	0.410	ug/l #	65
15) Acrylonitrile	3.12	53	938	0.399	ug/l #	47
16) Acetone	2.44	43	744	Below Cal	#	60
29) Tetrahydrofuran	4.84	42	1009	0.496	ug/l	95
36) 1,1-Dichloropropene	5.65	75	30407	4.780	ug/l #	52
38) Carbon Tetrachloride	5.65	117	41152	6.638	ug/l #	16
49) 1,4-Dioxane	7.74	88	139	1.380	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	143889	26.159	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	143889	66.960	ug/l #	12
95) Naphthalene	13.83	128	4035	0.220	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.01	180	1786	0.267	ug/l	92

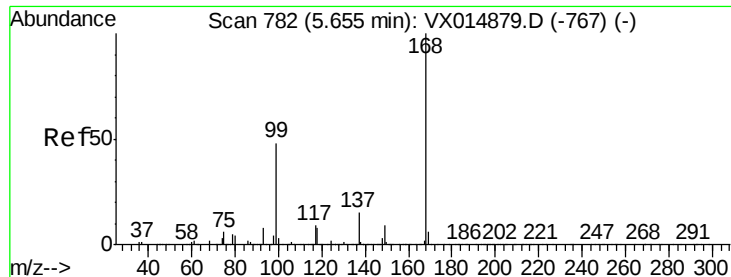
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 19 00:14:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

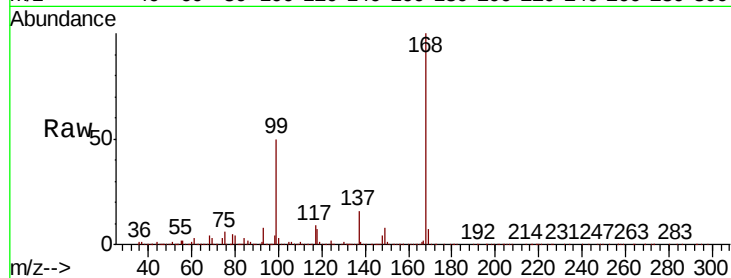
VX0218WBL01

Tot Ion:168 Resp: 465457

Ion Ratio Lower Upper

168 100

99 49.5 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

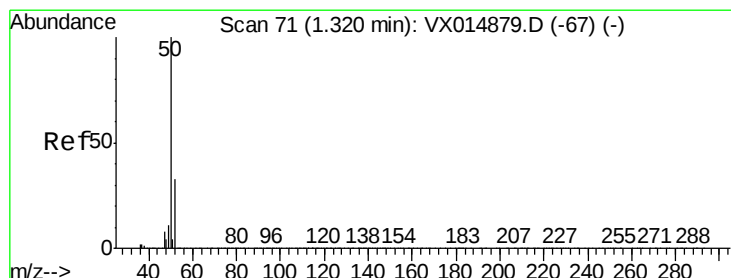
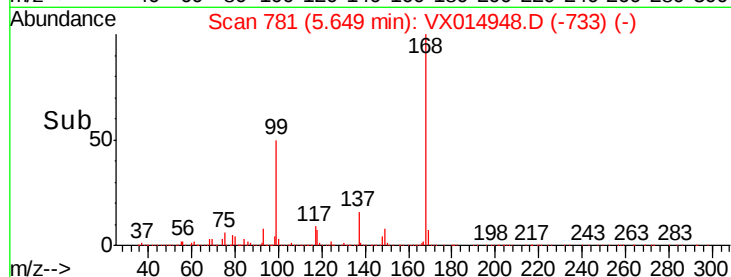
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.409 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014948.D

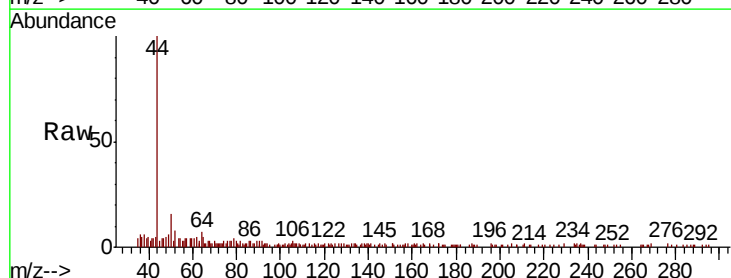
Acq: 18 Feb 2020 10:31

Tgt Ion: 50 Resp: 2045

Ion Ratio Lower Upper

50 100

52 30.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

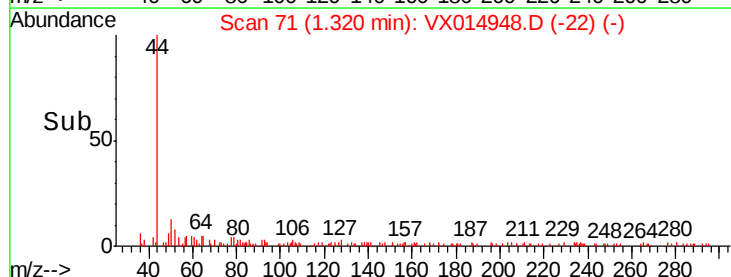
600

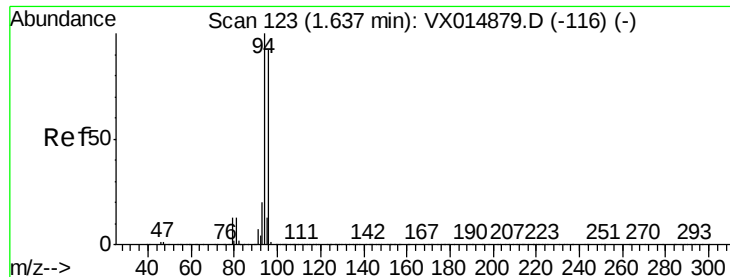
400

200

0

Time-->





#5

Bromomethane

Concen: 0.537 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

Instrument :

MSVOA_X

ClientSampled :

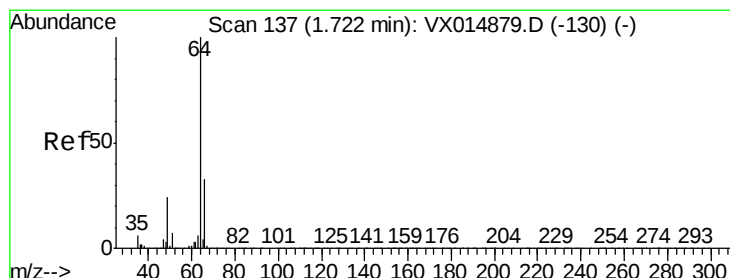
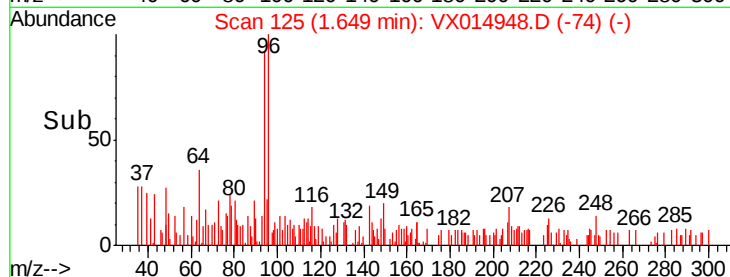
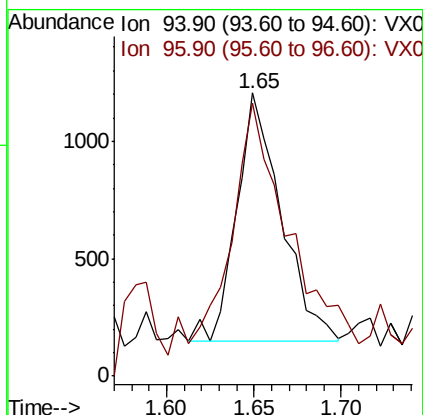
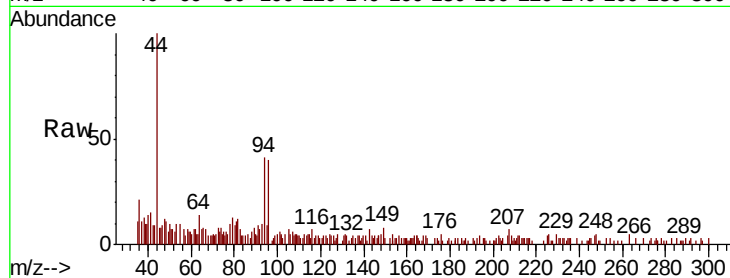
VX0218WBL01

Tot Ion: 94 Resp: 1870

Ion Ratio Lower Upper

94 100

96 97.0 73.7 110.5



#6

Chloroethane

Concen: 0.747 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.01 min

Lab File: VX014948.D

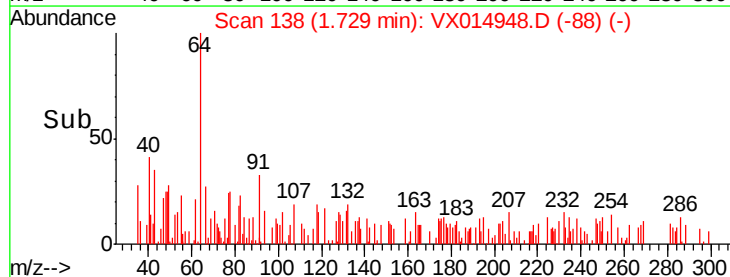
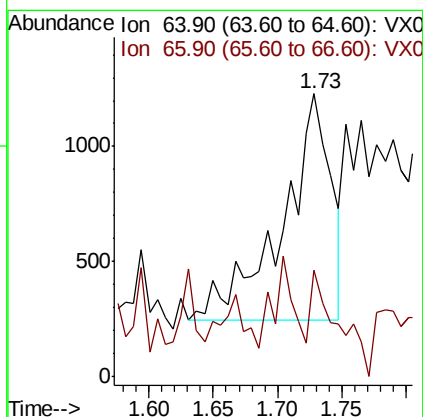
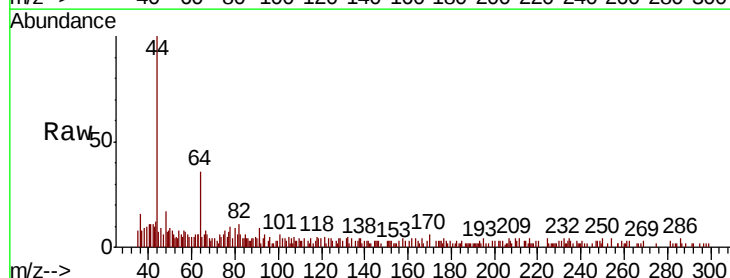
Acq: 18 Feb 2020 10:31

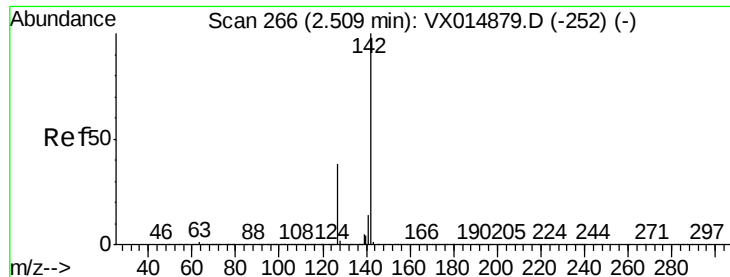
Tgt Ion: 64 Resp: 2574

Ion Ratio Lower Upper

64 100

66 28.9 26.2 39.4

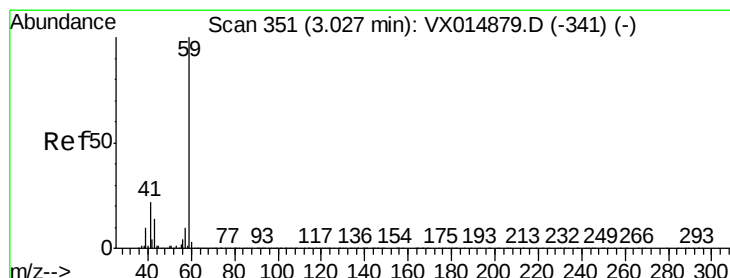
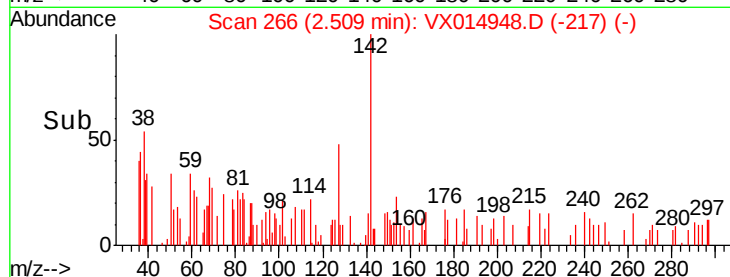
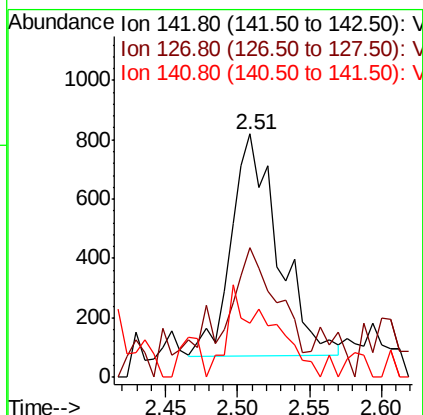
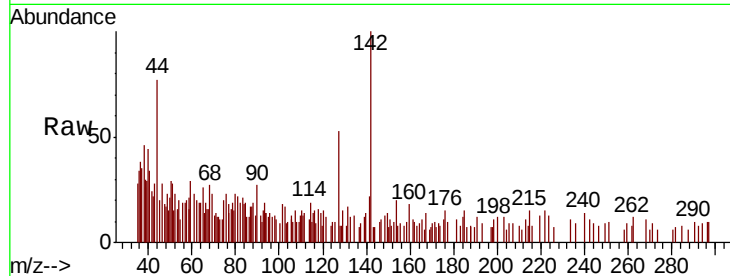




#10
Methvl Iodide
Concen: 4.687 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX014948.D
Acq: 18 Feb 2020 10:31

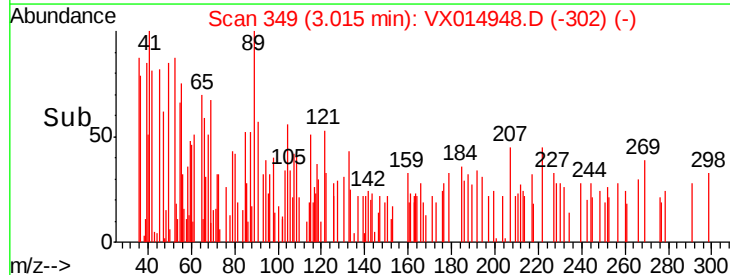
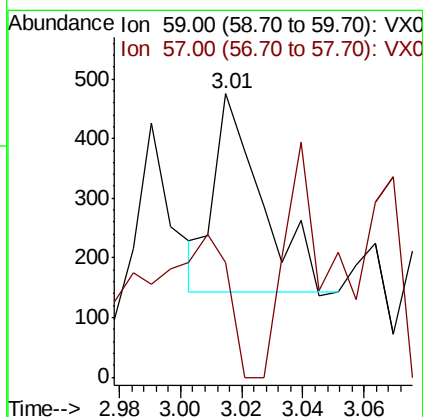
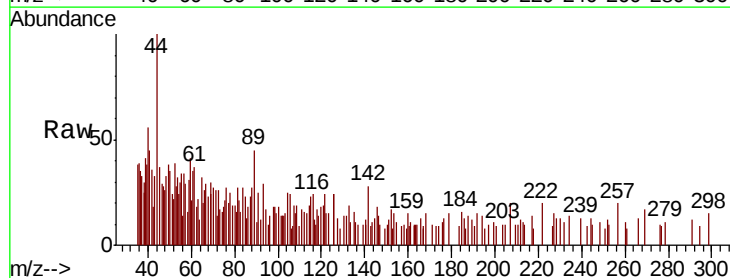
Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

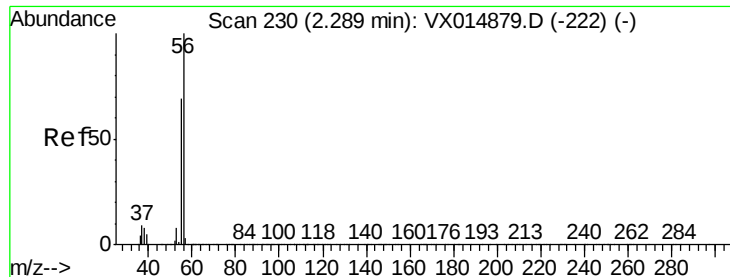
Tot Ion:142 Resp: 1700
Ion Ratio Lower Upper
142 100
127 58.6 31.1 46.7#
141 18.1 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.385 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014948.D
Acq: 18 Feb 2020 10:31

Tgt Ion: 59 Resp: 357
Ion Ratio Lower Upper
59 100
57 82.6 8.2 12.4#





#13

Acrolein

Concen: 0.410 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

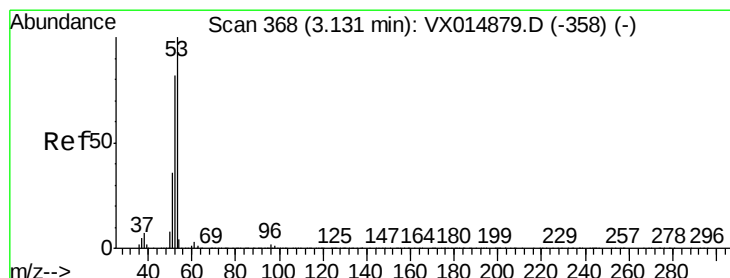
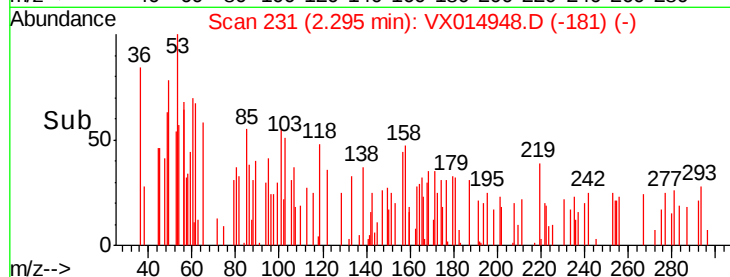
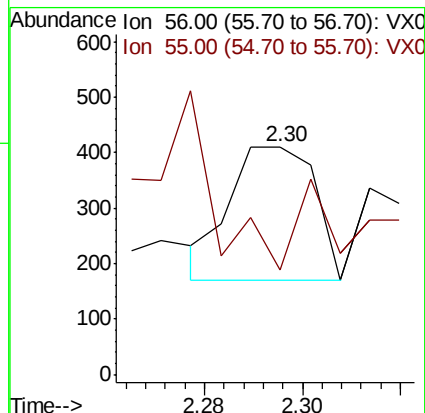
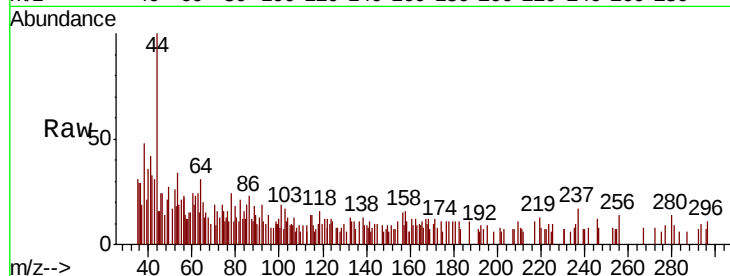
VX0218WBL01

Tot Ion: 56 Resp: 290

Ion Ratio Lower Upper

56 100

55 96.9 55.0 82.4#



#15

Acrylonitrile

Concen: 0.399 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

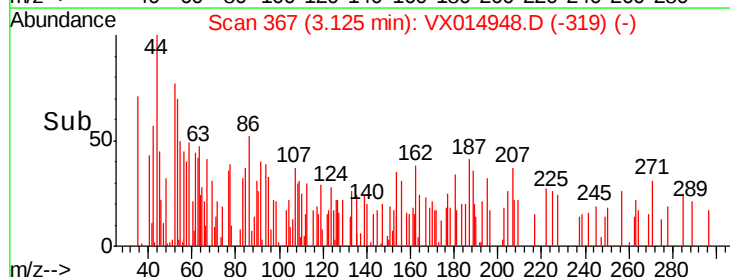
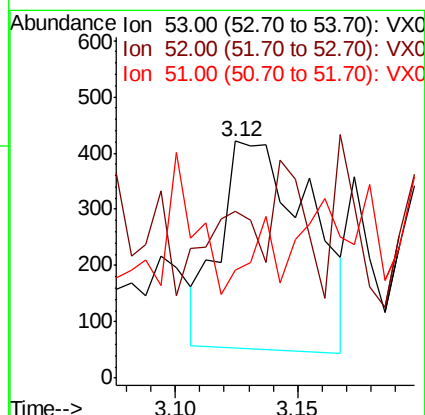
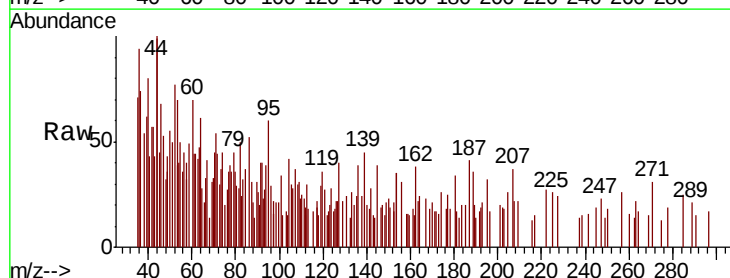
Tgt Ion: 53 Resp: 938

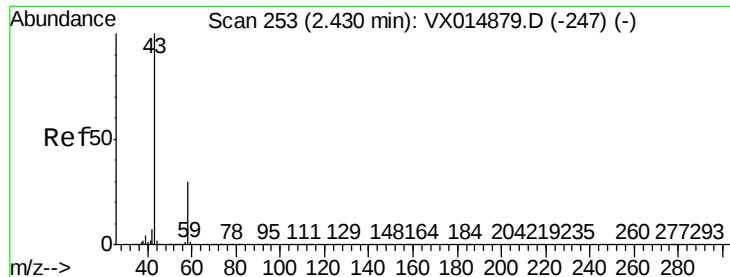
Ion Ratio Lower Upper

53 100

52 38.4 65.8 98.6#

51 0.0 29.1 43.7#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

Instrument :

MSVOA_X

ClientSampled :

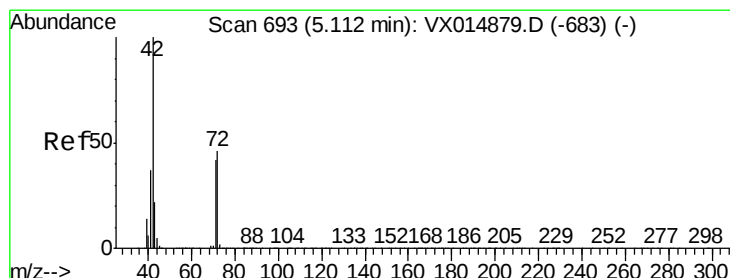
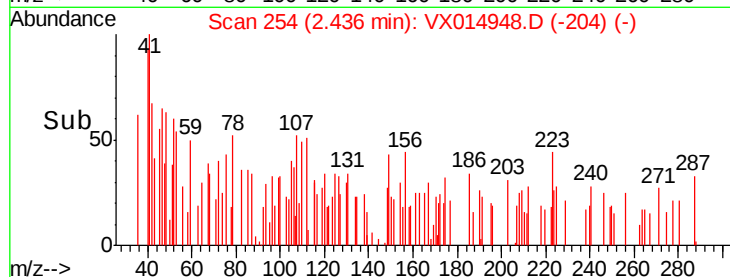
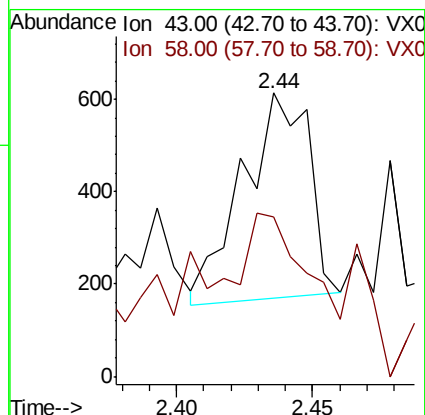
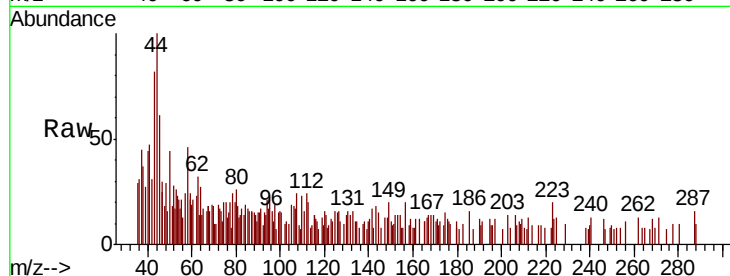
VX0218WBL01

Tot Ion: 43 Resp: 744

Ion Ratio Lower Upper

43 100

58 51.6 24.1 36.1#



#29

Tetrahydrofuran

Concen: 0.496 ug/l

RT: 4.84 min Scan# 649

Delta R.T. -0.27 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

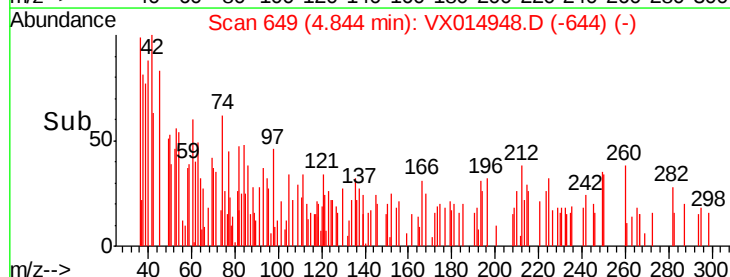
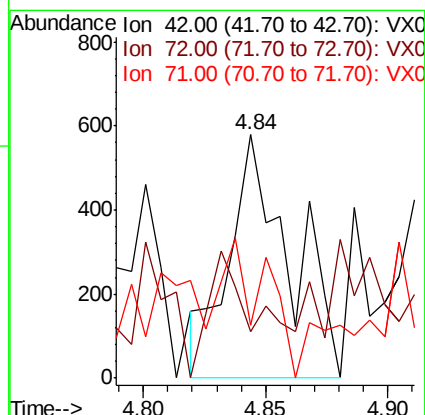
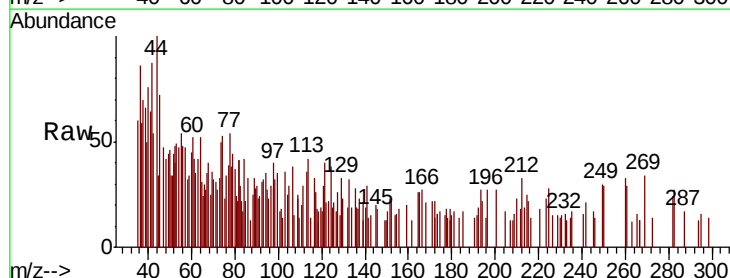
Tgt Ion: 42 Resp: 1009

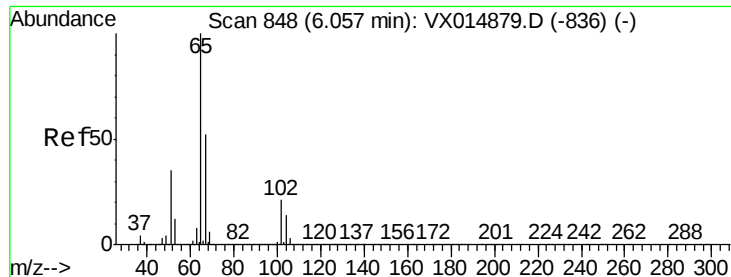
Ion Ratio Lower Upper

42 100

72 39.6 36.9 55.3

71 42.5 34.1 51.1





#33

1,2-Dichloroethane-d4

Concen: 49.900 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

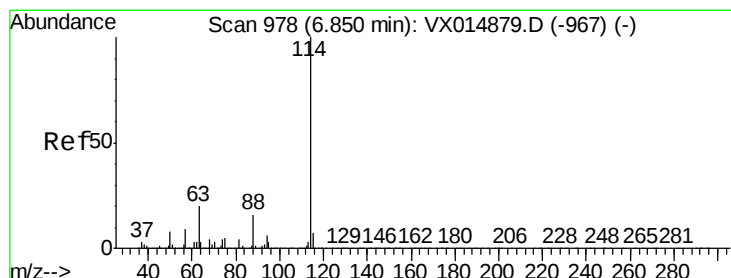
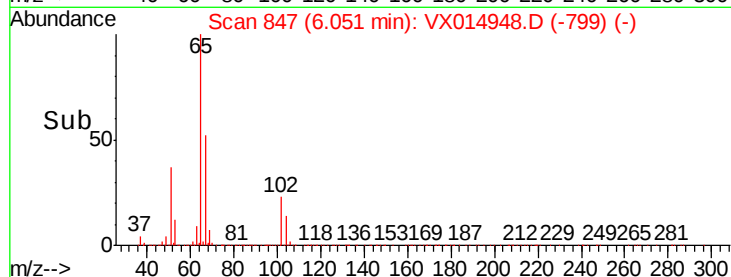
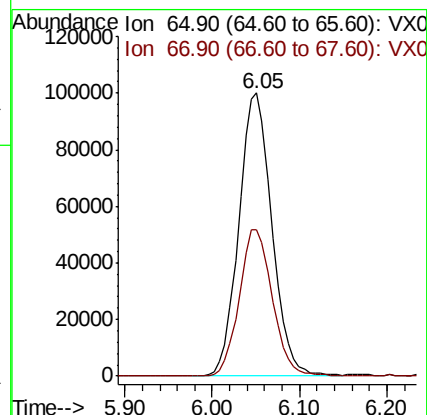
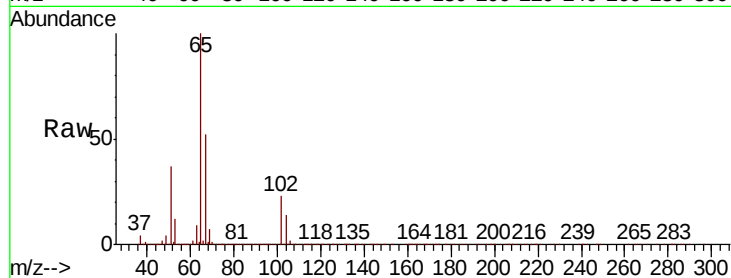
VX0218WBL01

Tot Ion: 65 Resp: 262126

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

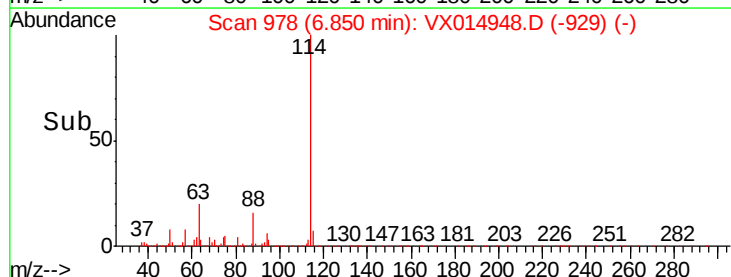
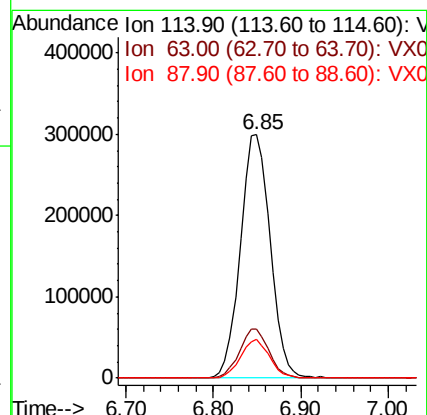
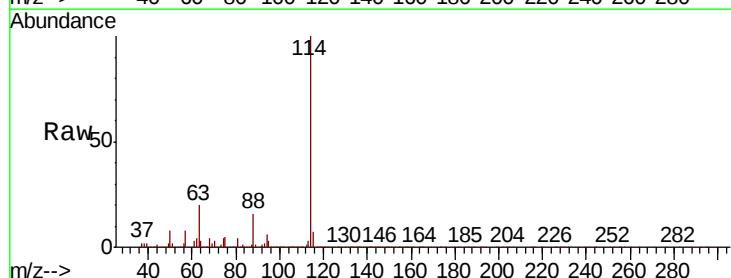
Tgt Ion: 114 Resp: 711117

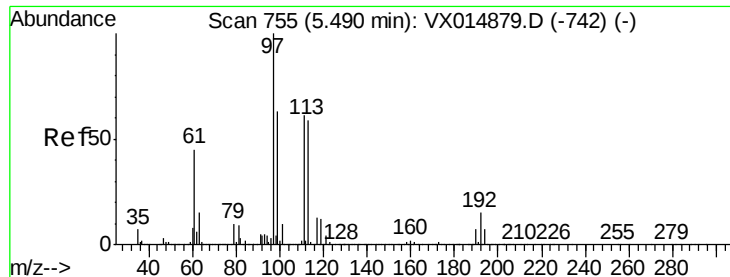
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.947 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

Instrument :

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ClientSampleId :

VX0218WBL01

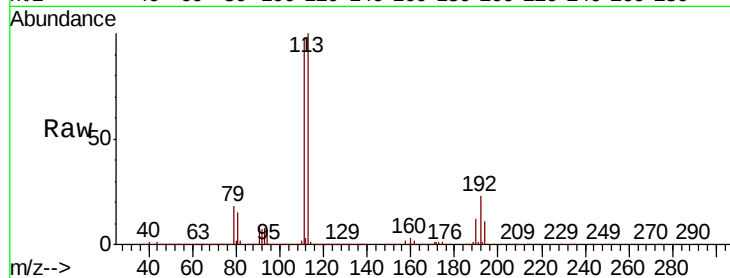
Tot Ion:113 Resp: 218356

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

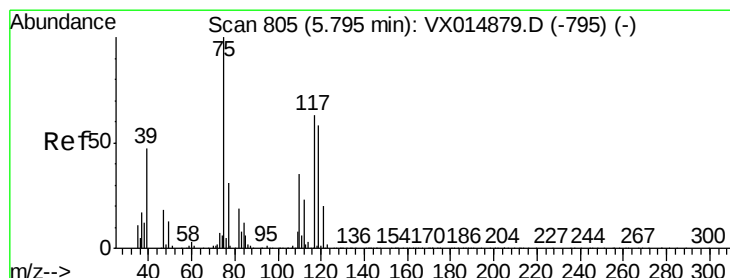
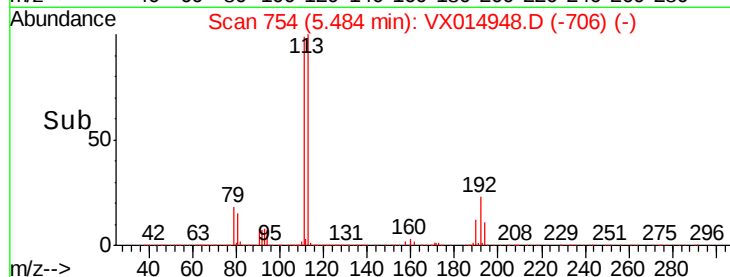
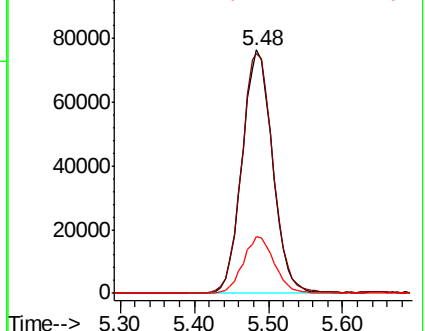
192 23.7 19.1 28.7



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: 4.780 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

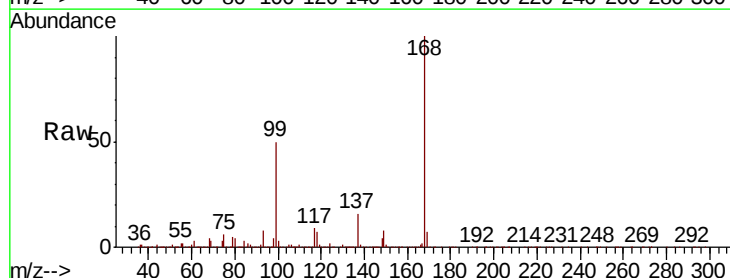
Tgt Ion: 75 Resp: 30407

Ion Ratio Lower Upper

75 100

110 12.3 18.3 54.8#

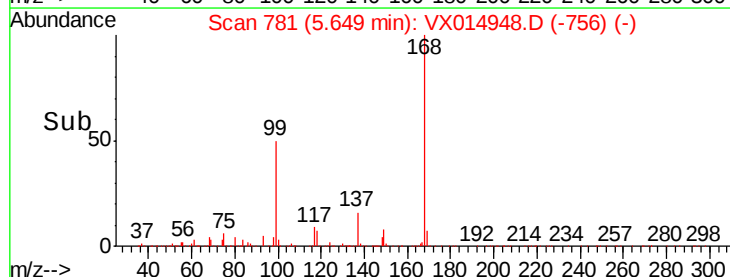
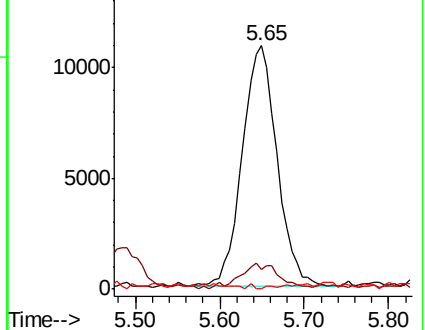
77 0.0 24.6 36.8#

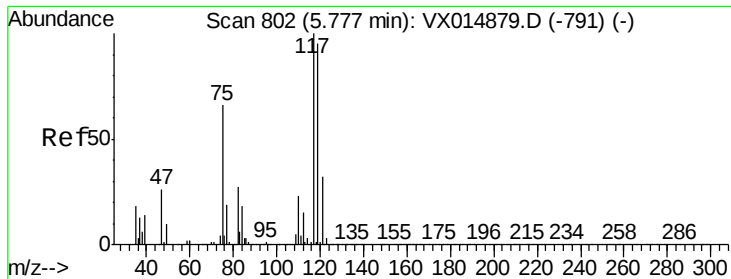


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

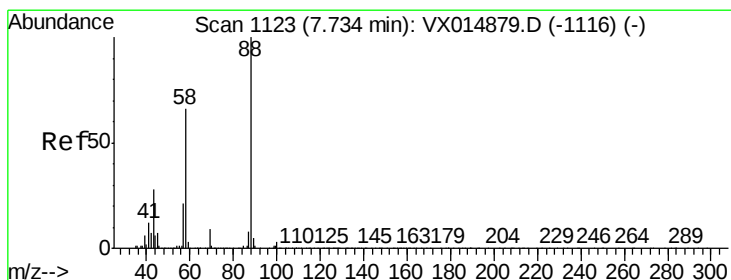
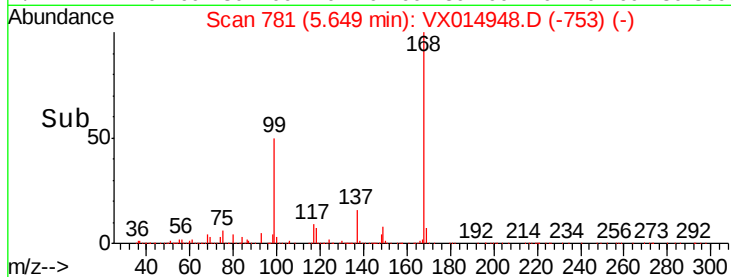
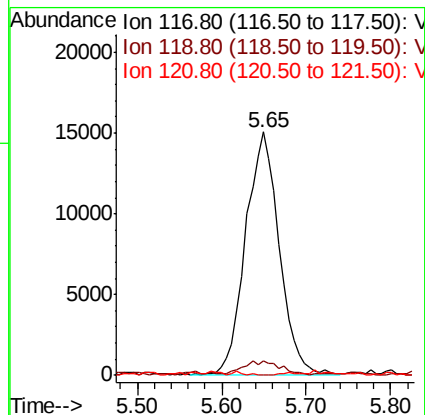
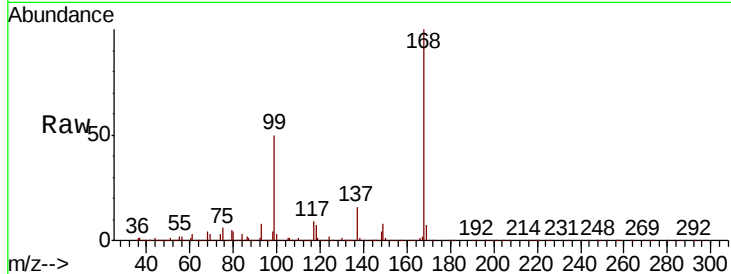




#38
Carbon Tetrachloride
Concen: 6.638 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX014948.D
Acq: 18 Feb 2020 10:31

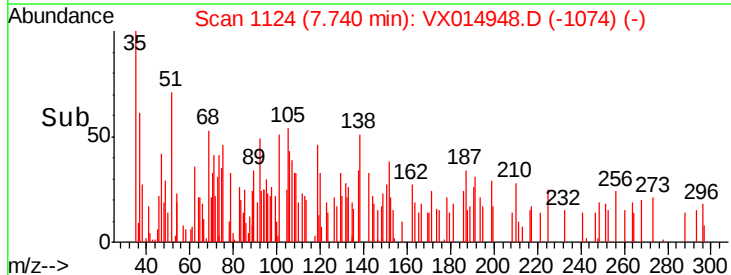
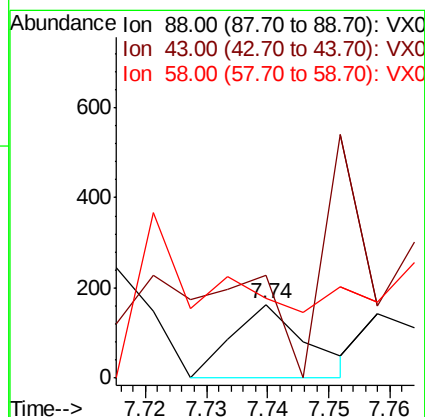
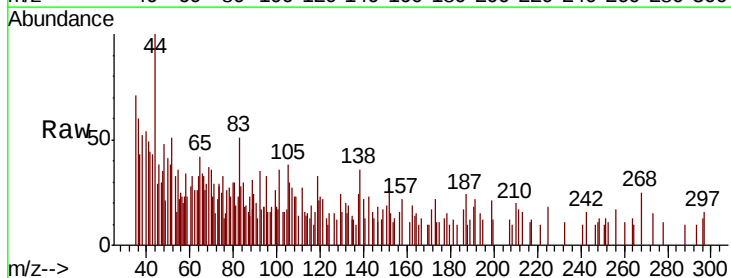
Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

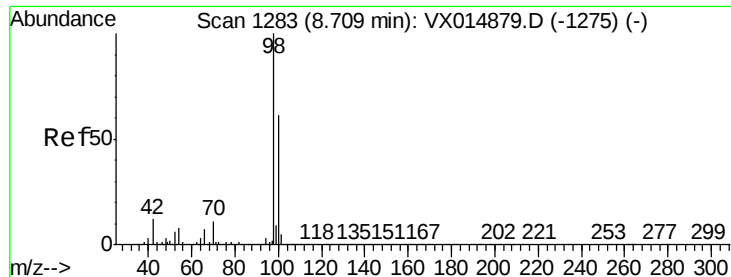
Tot Ion:117 Resp: 41152
Ion Ratio Lower Upper
117 100
119 5.3 76.0 114.0#
121 0.0 25.4 38.2#



#49
1,4-Dioxane
Concen: 1.380 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014948.D
Acq: 18 Feb 2020 10:31

Tgt Ion: 88 Resp: 139
Ion Ratio Lower Upper
88 100
43 483.5 27.0 40.4#
58 0.0 53.2 79.8#





#50

Toluene-d8

Concen: 50.594 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

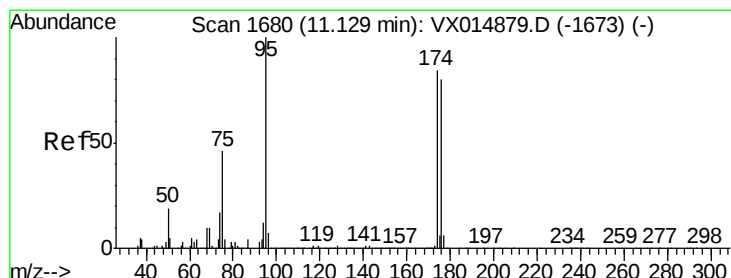
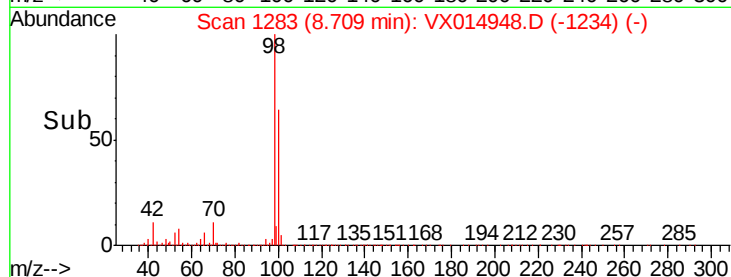
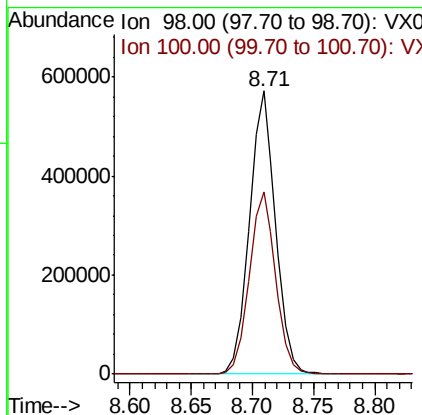
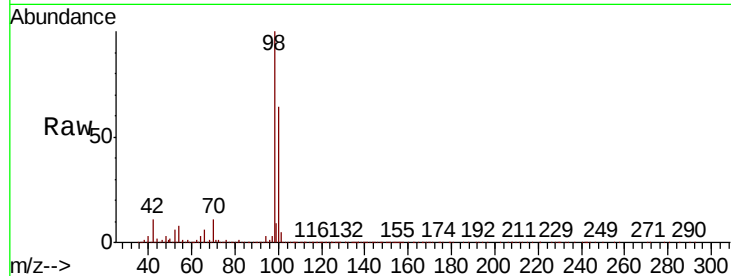
VX0218WBL01

Tot Ion: 98 Resp: 844280

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 48.563 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

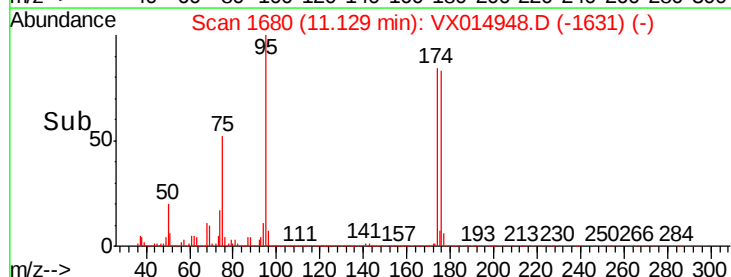
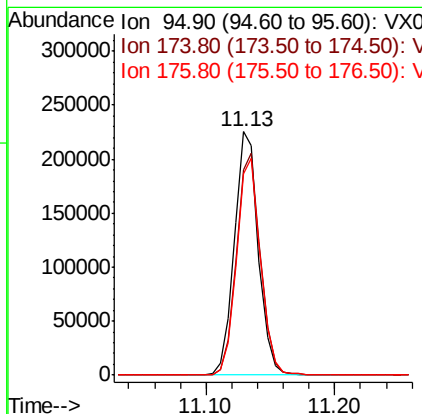
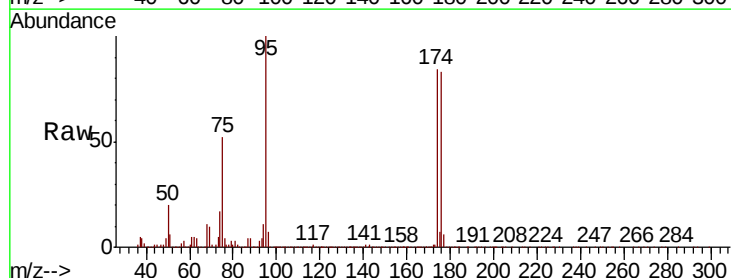
Tgt Ion: 95 Resp: 291930

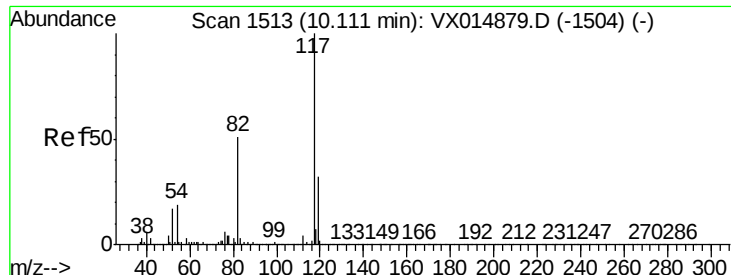
Ion Ratio Lower Upper

95 100

174 91.1 0.0 183.0

176 88.8 0.0 178.0

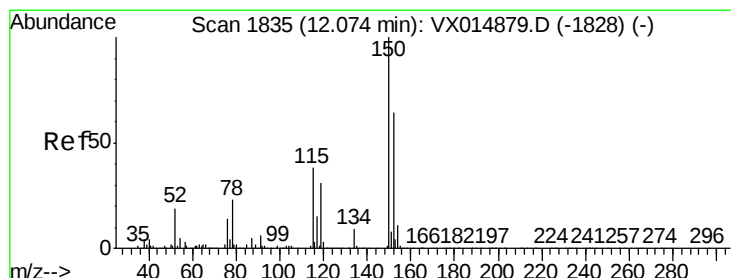
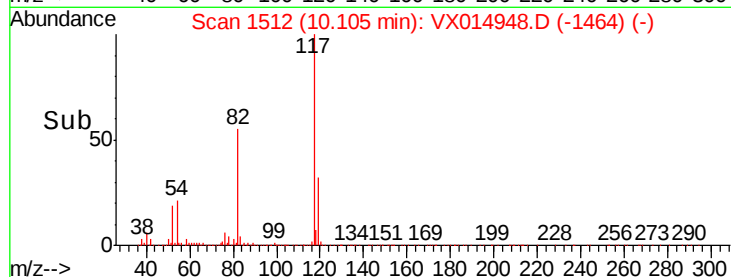
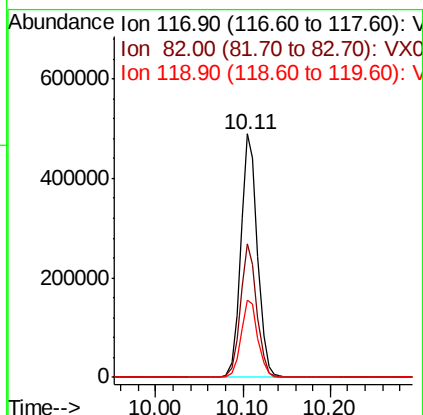
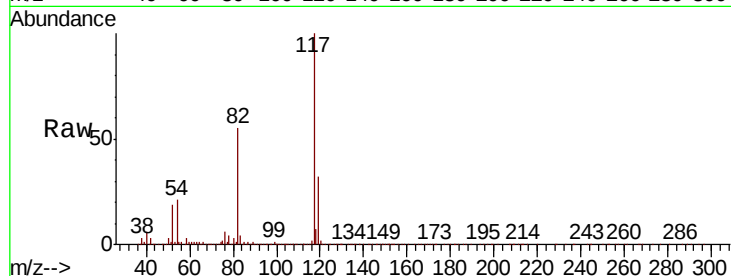




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014948.D
Acq: 18 Feb 2020 10:31

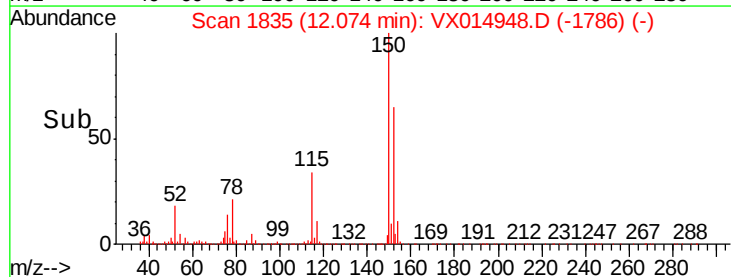
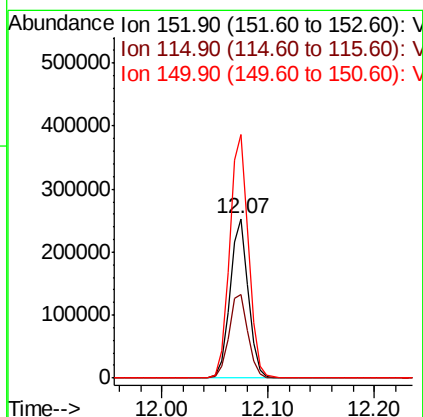
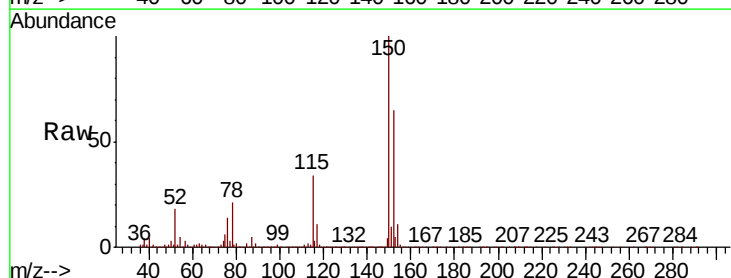
Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

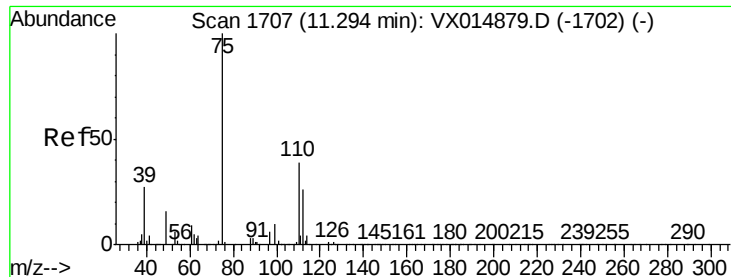
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	40.5	60.7
119	31.8	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014948.D
Acq: 18 Feb 2020 10:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.6	116.0
150	156.4	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 26.159 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

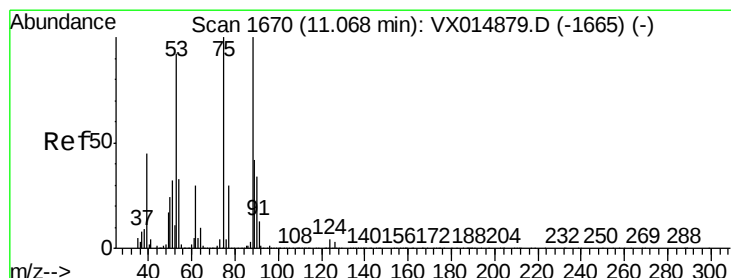
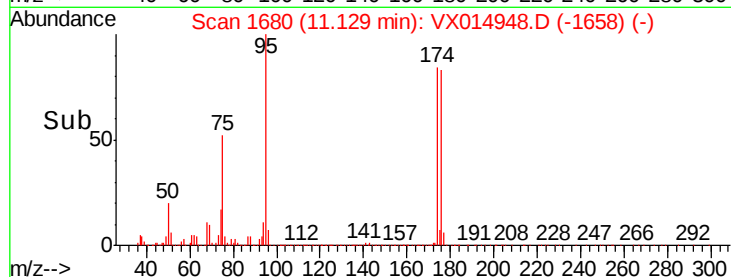
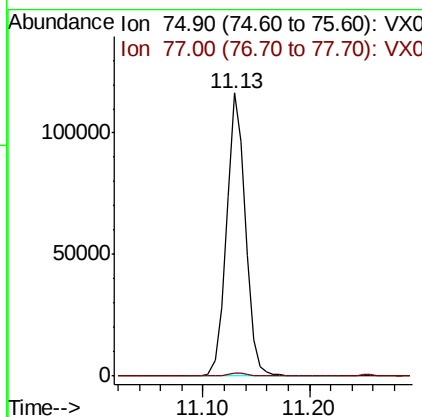
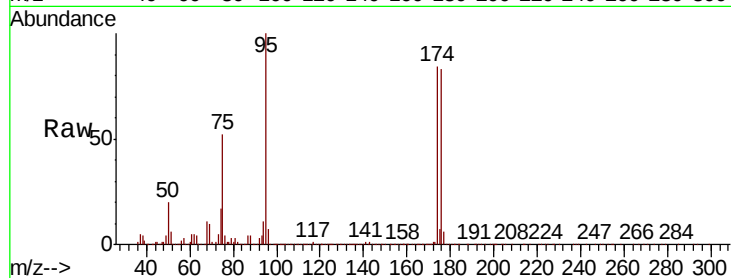
VX0218WBL01

Tot Ion: 75 Resp: 143889

Ion Ratio Lower Upper

75 100

77 1.2 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.960 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

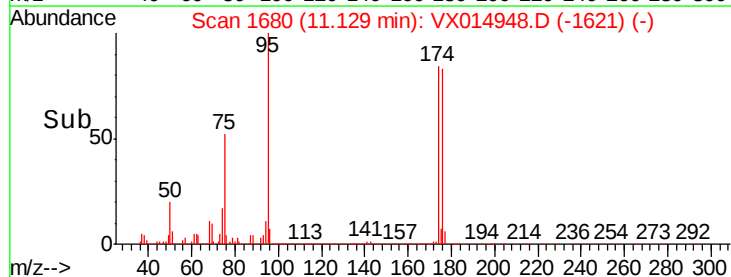
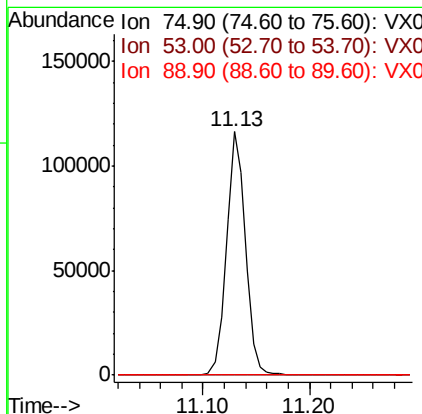
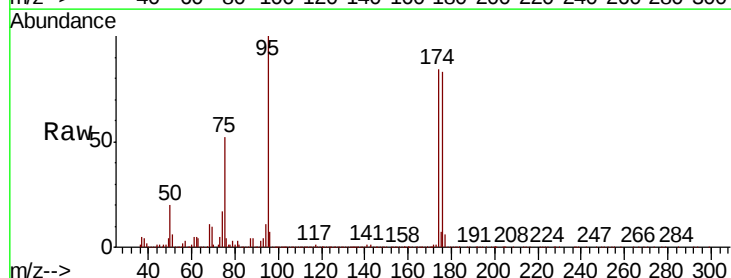
Tgt Ion: 75 Resp: 143889

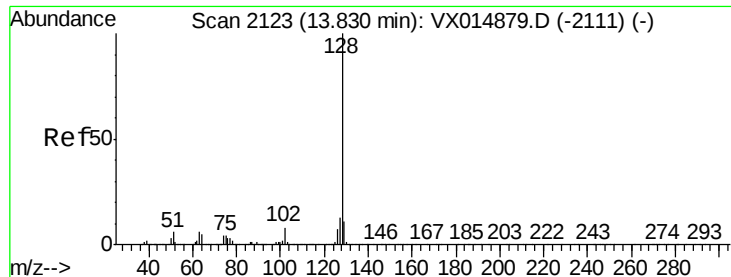
Ion Ratio Lower Upper

75 100

53 0.7 76.2 114.2#

89 0.0 35.8 53.6#





#95

Naphthalene

Concen: 0.220 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX0218WBL01

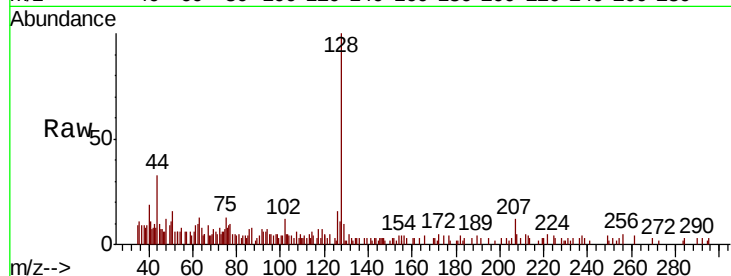
Tot Ion:128 Resp: 4035

Ion Ratio Lower Upper

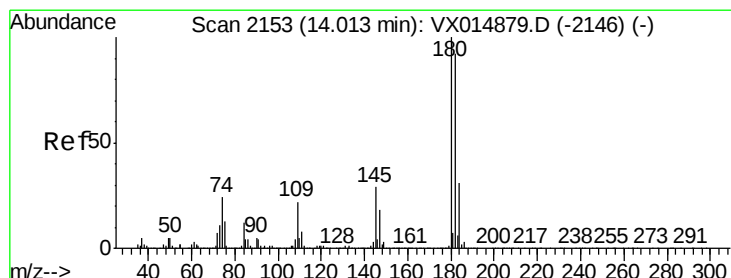
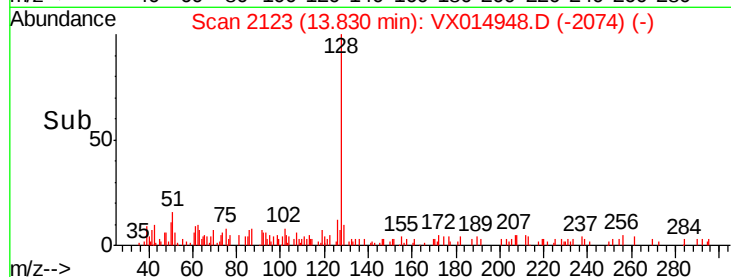
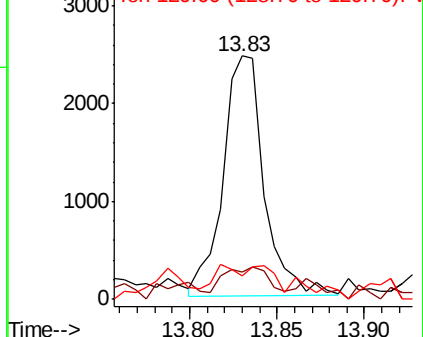
128 100

127 15.1 10.4 15.6

129 5.6 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.267 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX014948.D

Acq: 18 Feb 2020 10:31

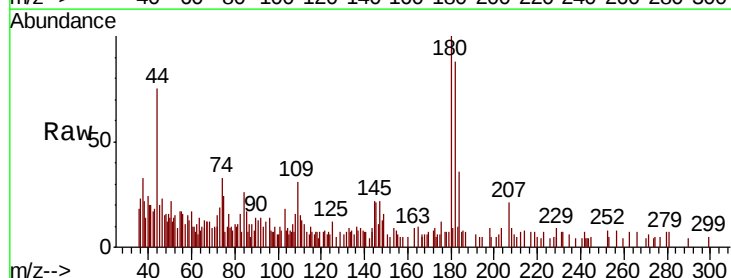
Tgt Ion:180 Resp: 1786

Ion Ratio Lower Upper

180 100

182 91.3 47.5 142.6

145 40.6 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

