

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022720\
 Data File : VX015034.D
 Acq On : 27 Feb 2020 09:24
 Operator : JC/SP
 Sample : VX0227WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBL01

Quant Time: Feb 27 10:47:02 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	442073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	705461	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	648588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	307204	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	255635	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	5.48	113	215762	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	8.71	98	848274	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.13	95	293839	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

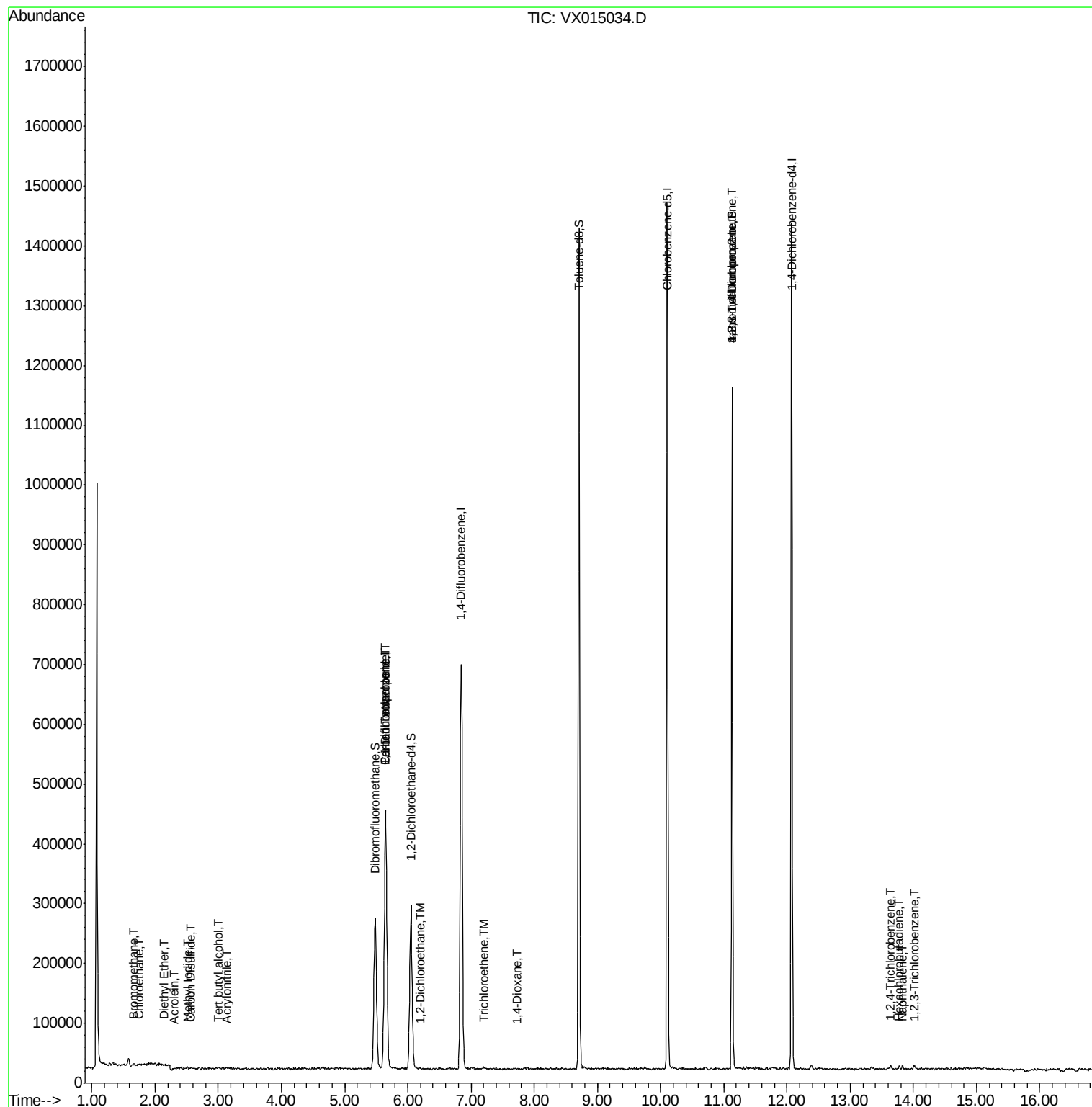
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	2071	0.63	ug/l	95
6) Chloroethane	1.75	64	1483	0.45	ug/l #	51
8) Diethyl Ether	2.15	74	673	0.23	ug/l	86
10) Methyl Iodide	2.51	142	2015	4.77	ug/l #	85
11) Tert butyl alcohol	3.00	59	371	0.42	ug/l #	1
13) Acrolein	2.30	56	547	0.81	ug/l #	15
15) Acrylonitrile	3.13	53	576	0.26	ug/l #	49
16) Acetone	2.43	43	673	Below Cal	#	47
17) Carbon Disulfide	2.56	76	2301	0.20	ug/l	95
36) 1,1-Dichloropropene	5.64	75	30003	4.75	ug/l #	52
38) Carbon Tetrachloride	5.65	117	38873	6.32	ug/l #	16
42) 1,2-Dichloroethane	6.20	62	1536	0.23	ug/l #	63
44) Trichloroethene	7.20	130	1909	0.35	ug/l	31
49) 1,4-Dioxane	7.72	88	104	1.04	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	144441	26.00	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	144441	66.55	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.64	180	1920	0.27	ug/l #	93
94) Hexachlorobutadiene	13.78	225	749	0.22	ug/l	89
95) Naphthalene	13.83	128	4381	0.24	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.02	180	1954	0.29	ug/l	80

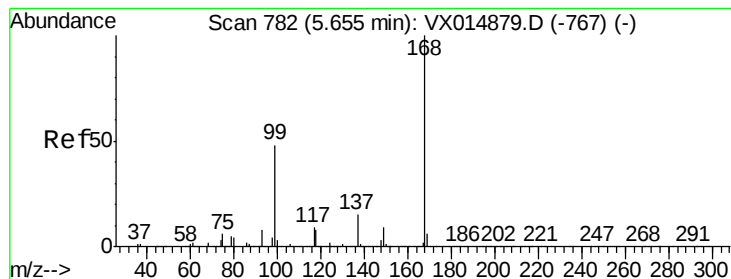
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 27 10:47:02 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: 50.00 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

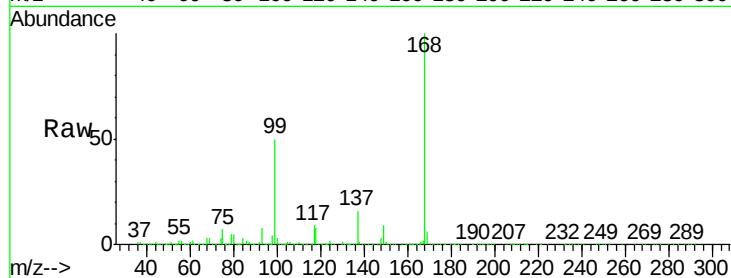
VX0227WBL01

Tgt Ion: 168 Resp: 442073

Ion Ratio Lower Upper

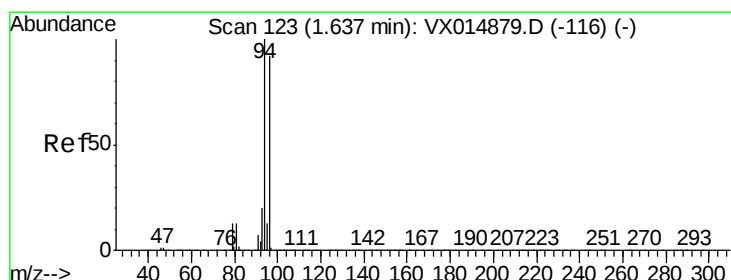
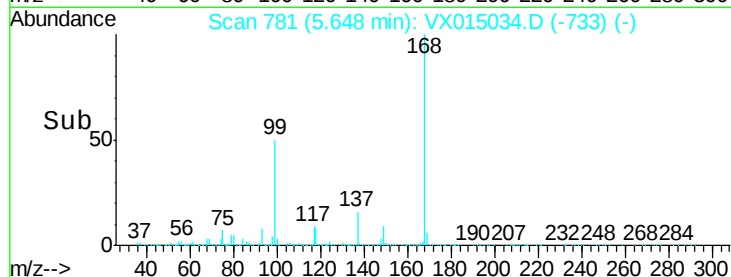
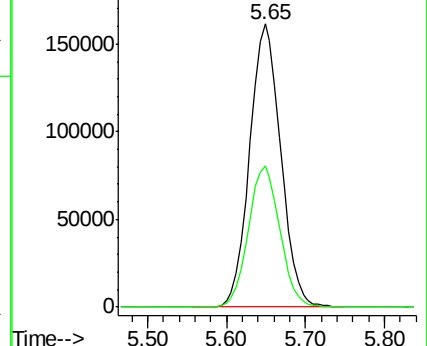
168 100

99 49.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.63 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015034.D

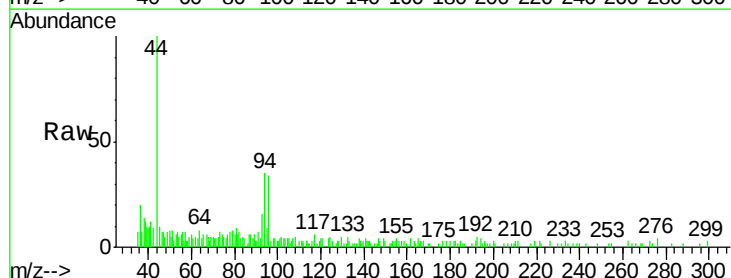
Acq: 27 Feb 2020 09:24

Tgt Ion: 94 Resp: 2071

Ion Ratio Lower Upper

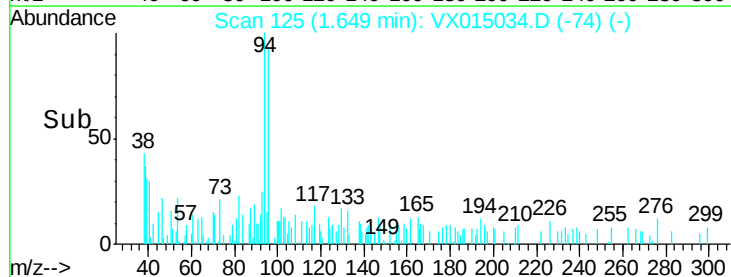
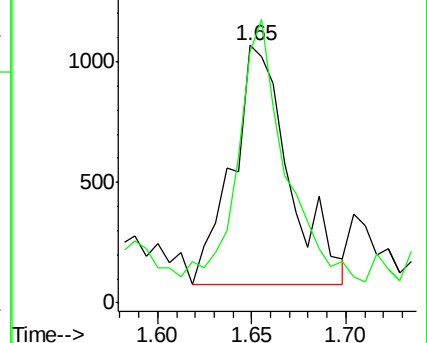
94 100

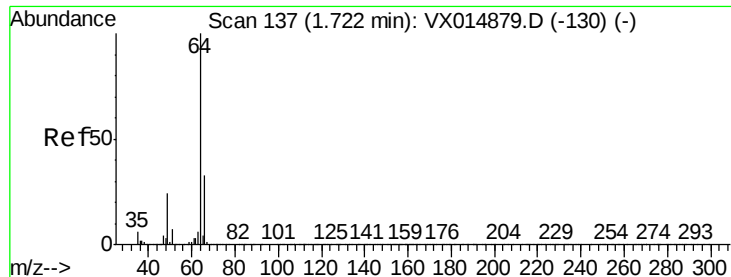
96 87.8 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.45 ug/l

RT: 1.75 min Scan# 142

Delta R.T. 0.03 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

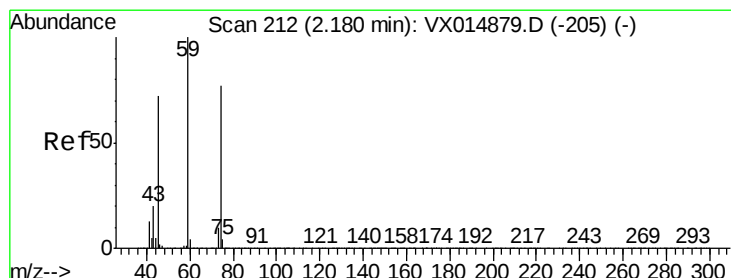
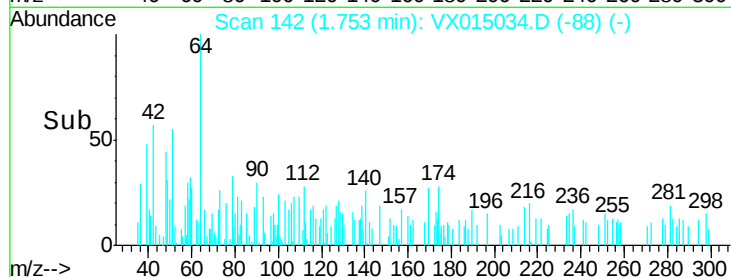
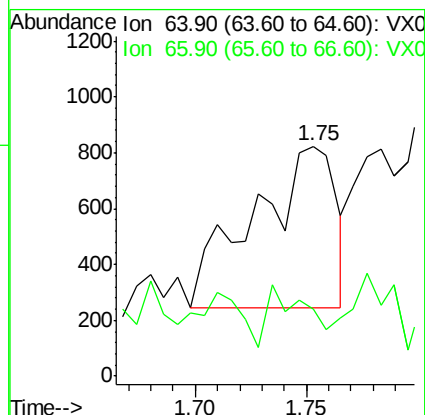
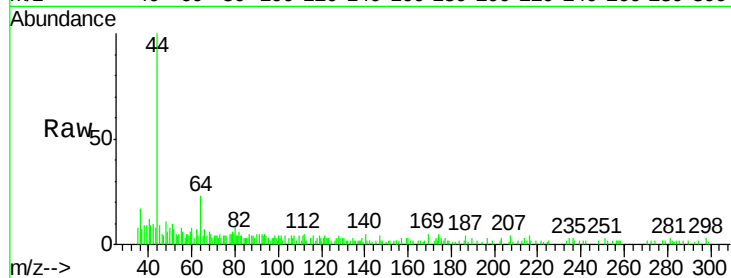
VX0227WBL01

Tgt Ion: 64 Resp: 1483

Ion Ratio Lower Upper

64 100

66 5.0 26.2 39.4#



#8

Diethyl Ether

Concen: 0.23 ug/l

RT: 2.15 min Scan# 207

Delta R.T. -0.03 min

Lab File: VX015034.D

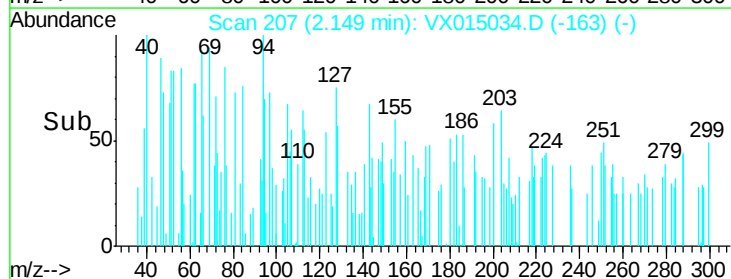
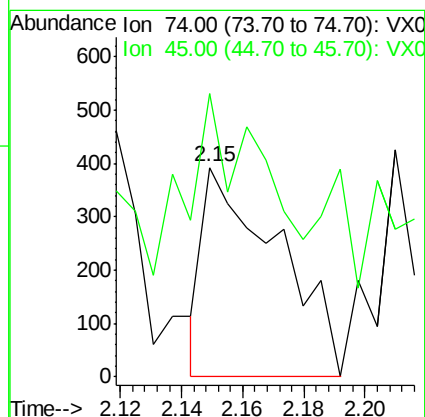
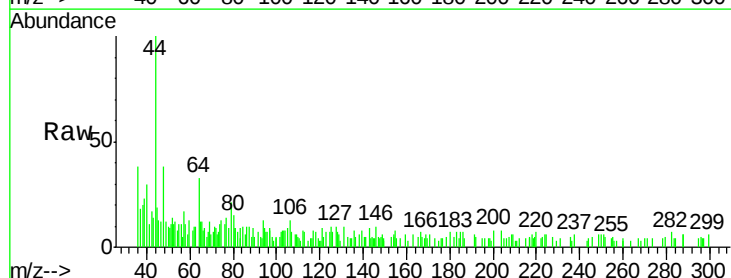
Acq: 27 Feb 2020 09:24

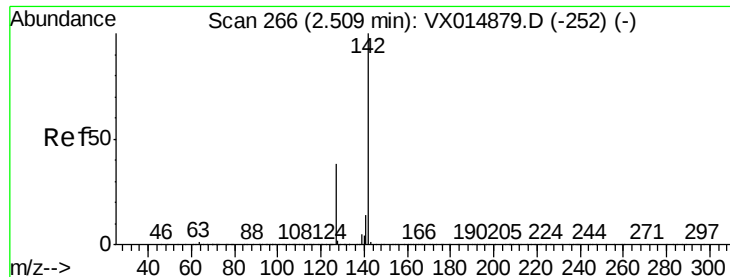
Tgt Ion: 74 Resp: 673

Ion Ratio Lower Upper

74 100

45 80.1 46.6 139.8

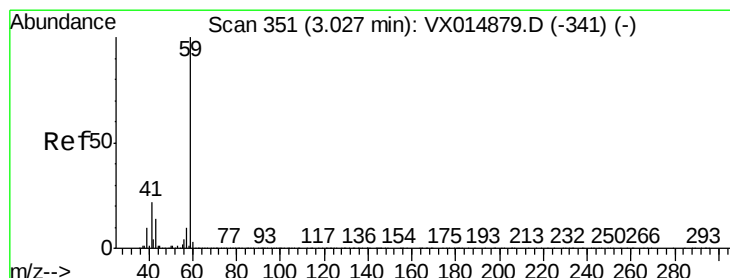
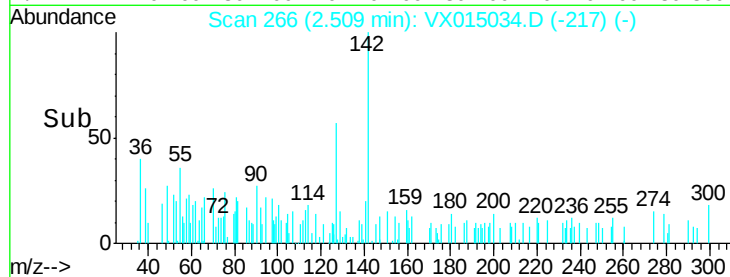
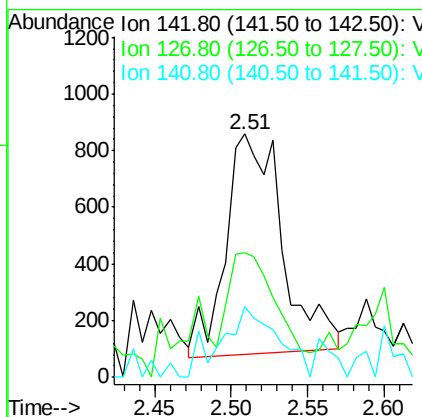
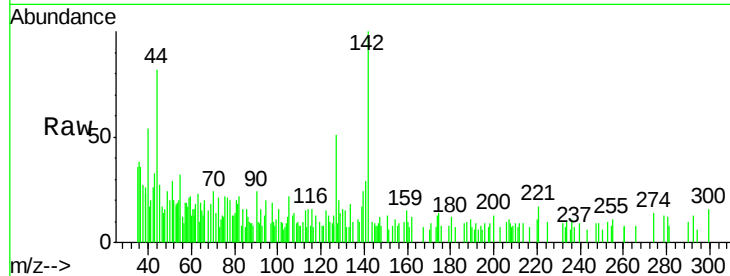




#10
Methyl Iodide
Concen: 4.77 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015034.D
Acq: 27 Feb 2020 09:24

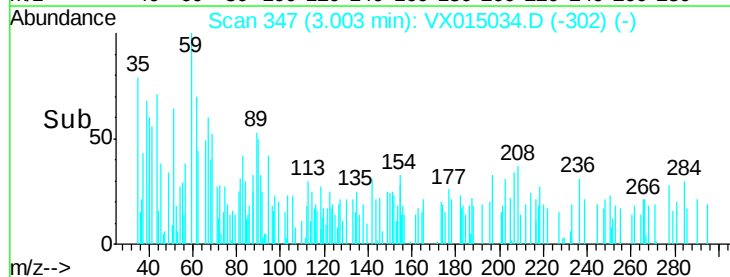
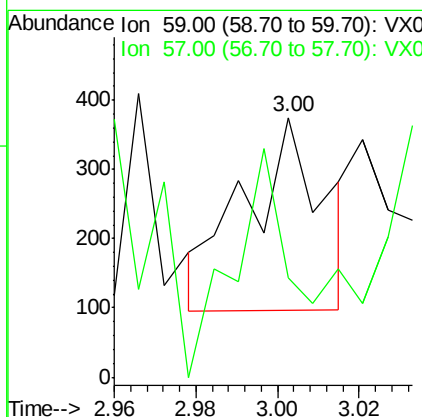
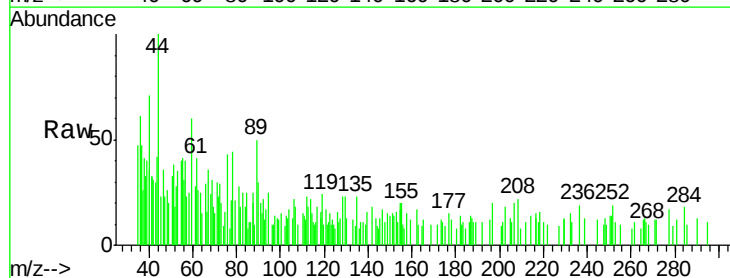
Instrument :
MSVOA_X
ClientSampleId :
VX0227WBL01

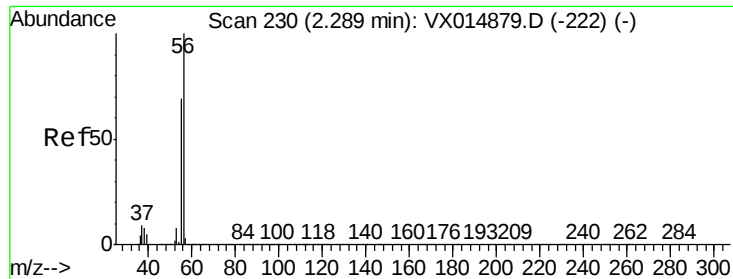
Tgt Ion: 142 Resp: 2015
Ion Ratio Lower Upper
142 100
127 36.1 31.1 46.7
141 32.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.42 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX015034.D
Acq: 27 Feb 2020 09:24

Tgt Ion: 59 Resp: 371
Ion Ratio Lower Upper
59 100
57 86.0 8.2 12.4#





#13

Acrolein

Concen: 0.81 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

Instrument :

MSVOA_X

ClientSampled :

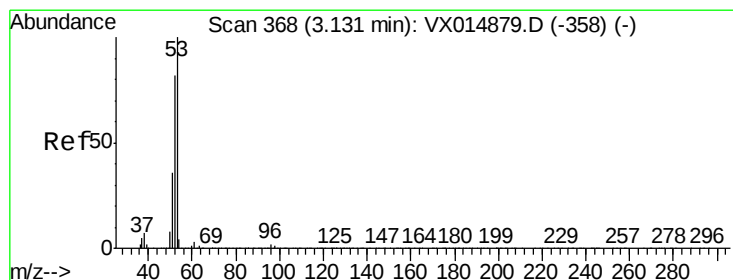
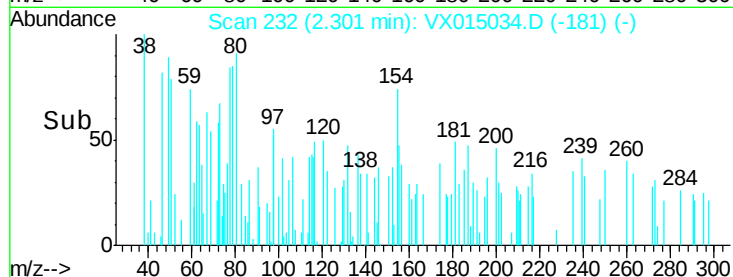
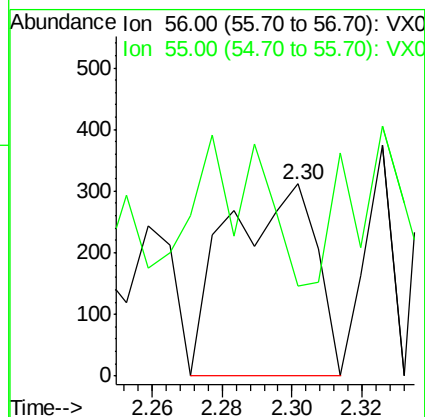
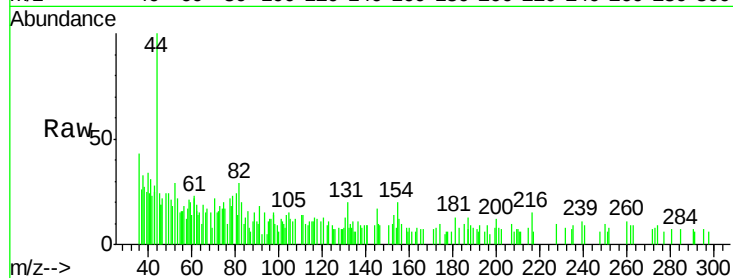
VX0227WBL01

Tgt Ion: 56 Resp: 547

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.4#



#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

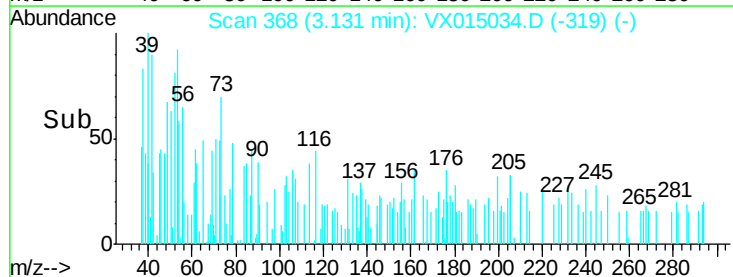
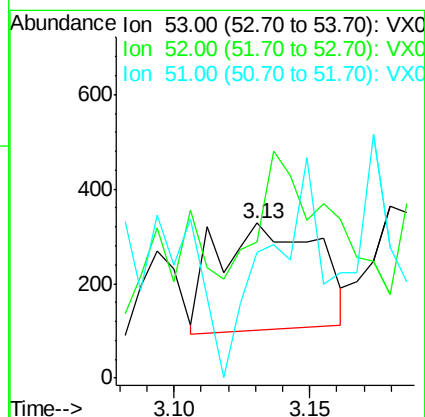
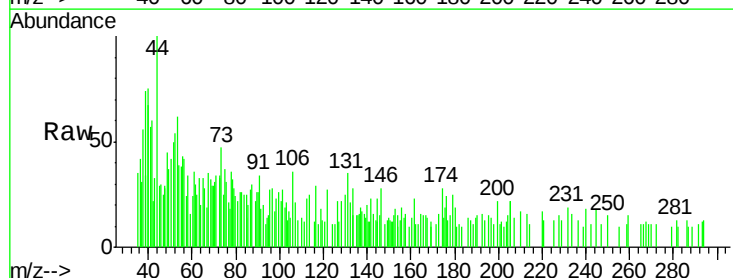
Tgt Ion: 53 Resp: 576

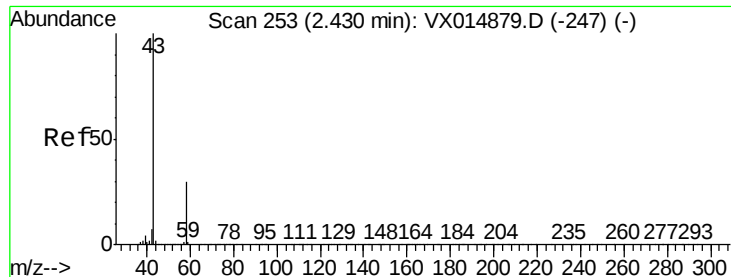
Ion Ratio Lower Upper

53 100

52 94.1 65.8 98.6

51 117.2 29.1 43.7#

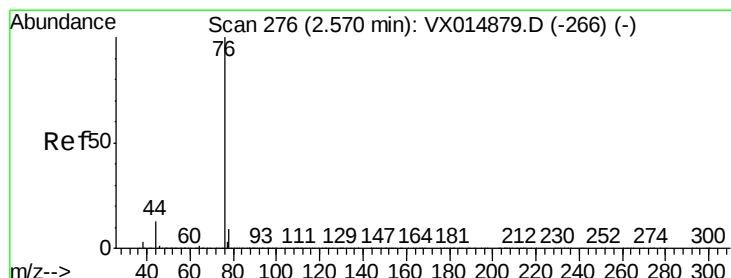
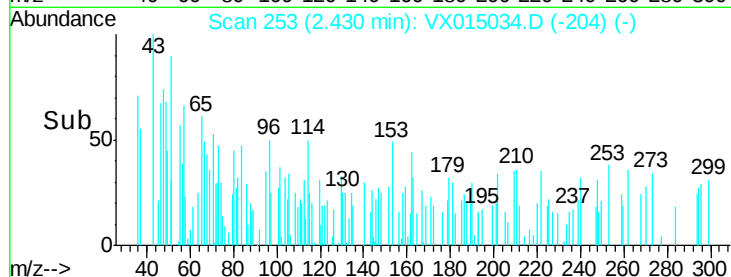
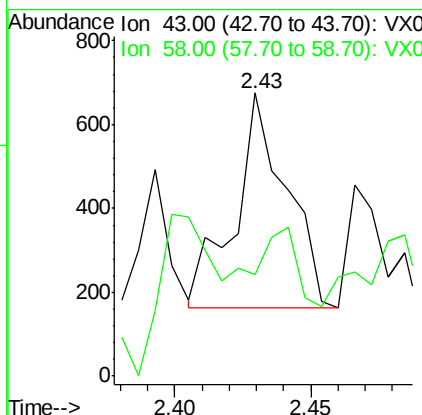
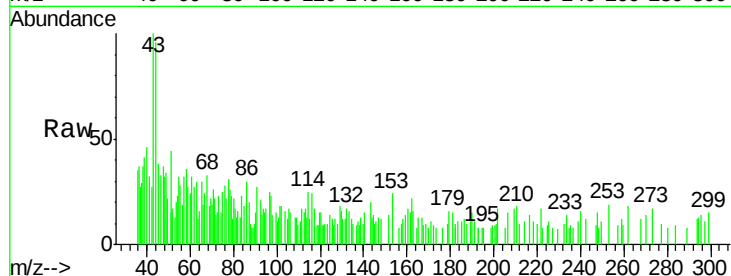




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX015034.D
Acq: 27 Feb 2020 09:24

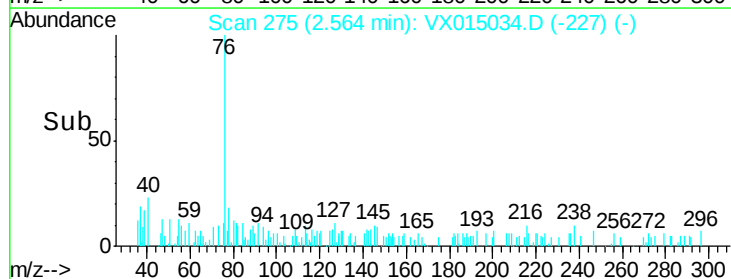
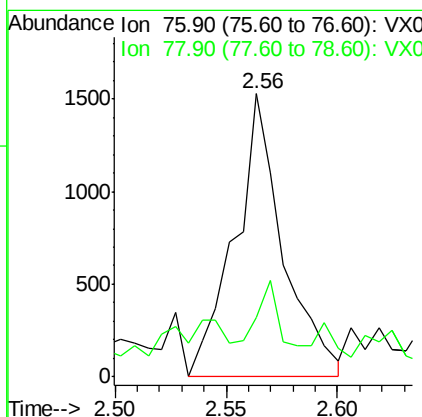
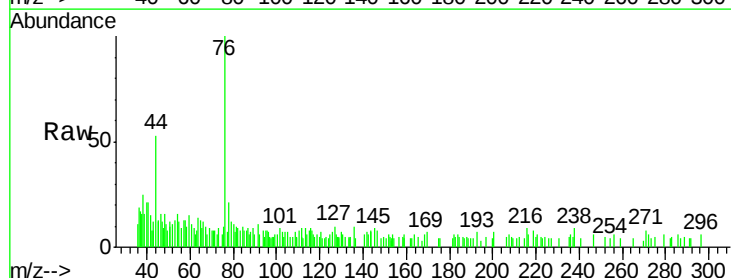
Instrument :
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ClientSampleId :
VX0227WBL01

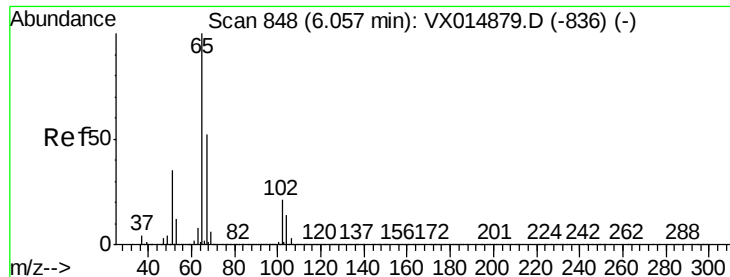
Tgt Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
58 1.6 24.1 36.1#



#17
Carbon Disulfide
Concen: 0.20 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.01 min
Lab File: VX015034.D
Acq: 27 Feb 2020 09:24

Tgt Ion: 76 Resp: 2301
Ion Ratio Lower Upper
76 100
78 10.9 7.4 11.0





#33

1,2-Dichloroethane-d4

Concen: 51.24 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

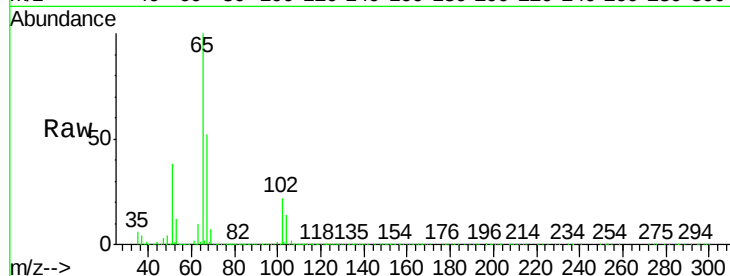
VX0227WBL01

Tgt Ion: 65 Resp: 255635

Ion Ratio Lower Upper

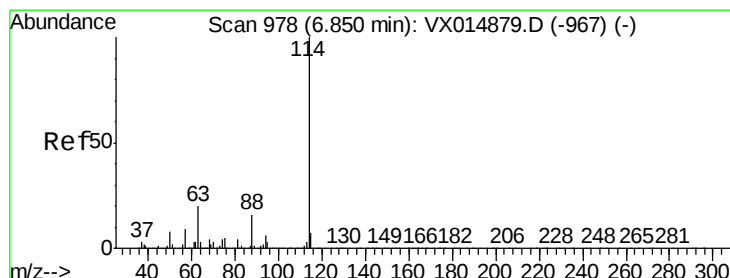
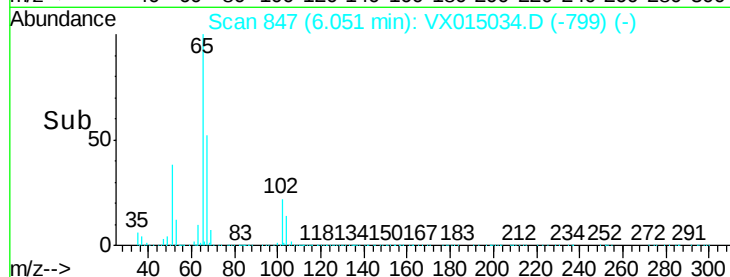
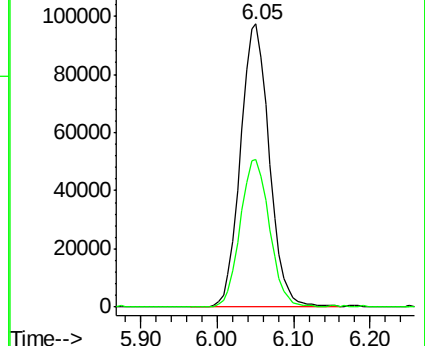
65 100

67 52.6 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

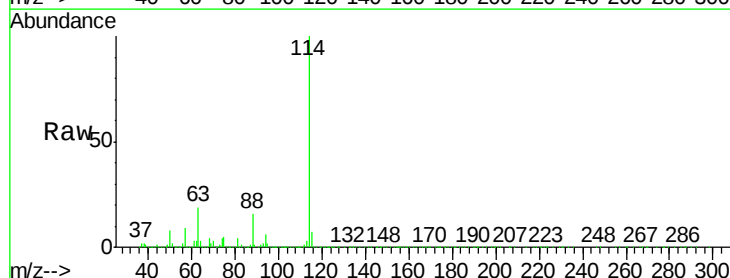
Tgt Ion: 114 Resp: 705461

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.2

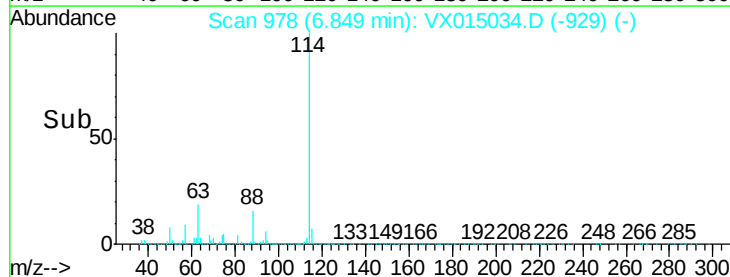
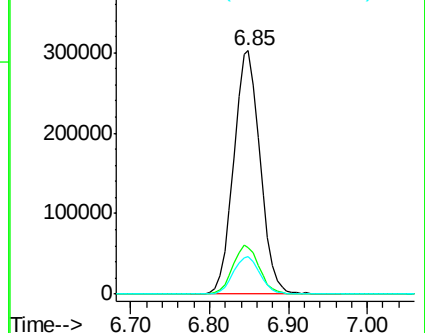
88 15.5 0.0 32.0

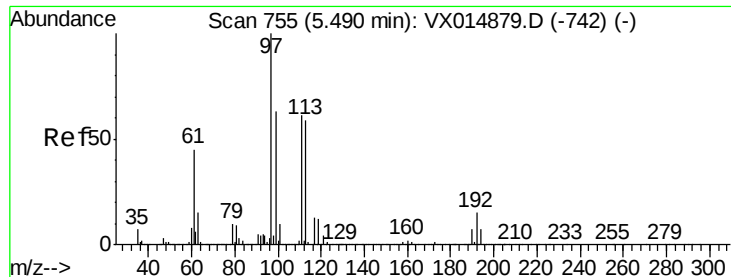


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.75 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

Instrument :

MSVOA_X

ClientSampled :

VX0227WBL01

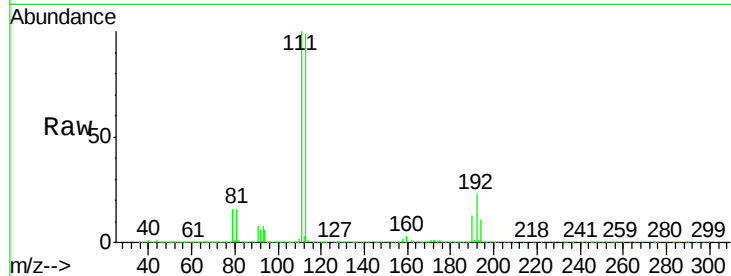
Tgt Ion:113 Resp: 215762

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

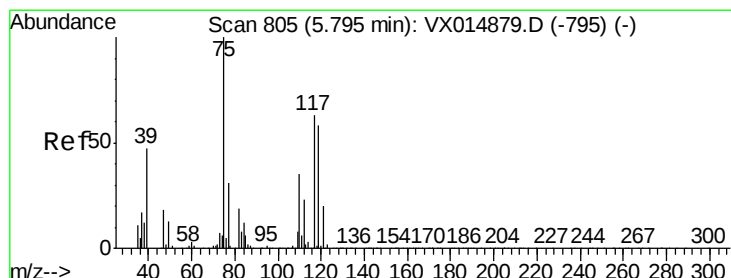
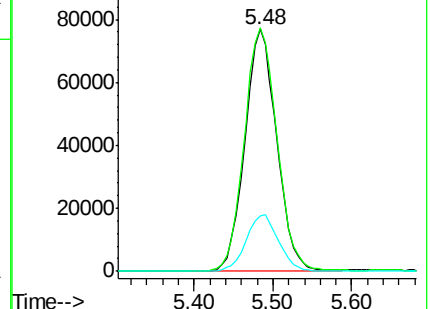
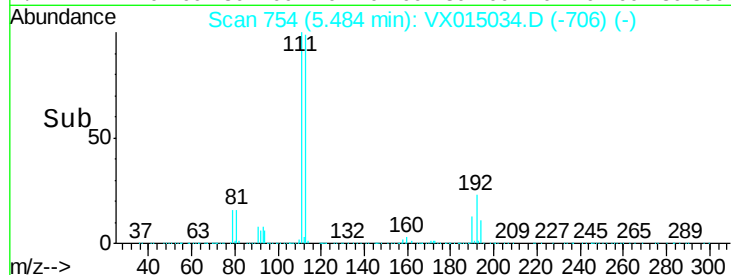
192 23.8 19.1 28.7



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: 4.75 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

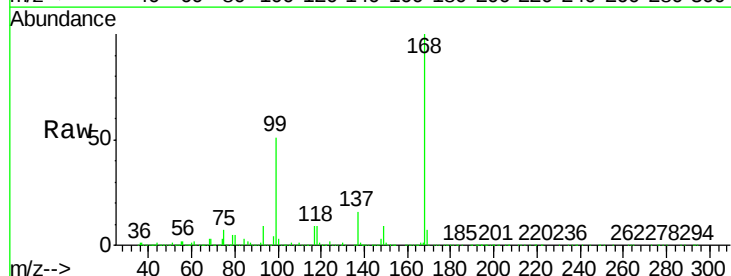
Tgt Ion: 75 Resp: 30003

Ion Ratio Lower Upper

75 100

110 11.2 18.3 54.8#

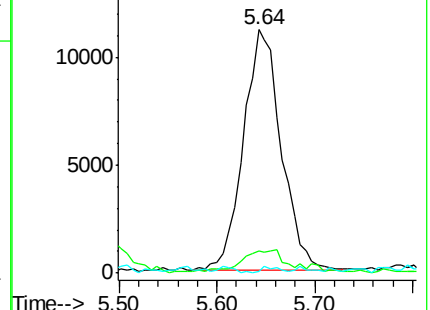
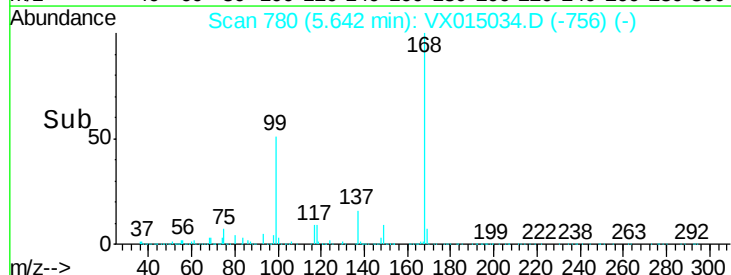
77 1.3 24.6 36.8#

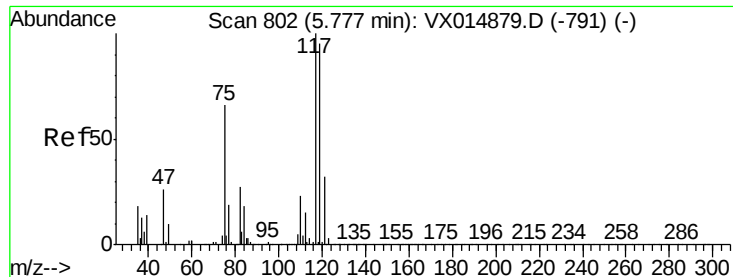


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.32 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBL01

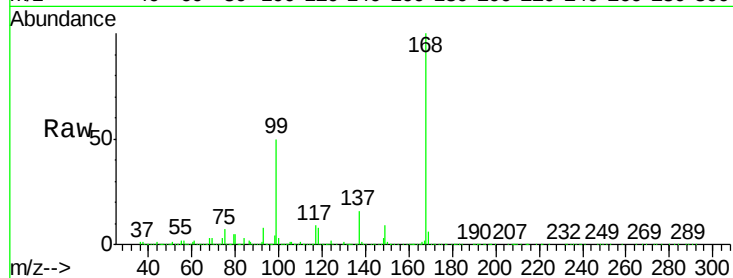
Tgt Ion:117 Resp: 38873

Ion Ratio Lower Upper

117 100

119 4.5 76.0 114.0#

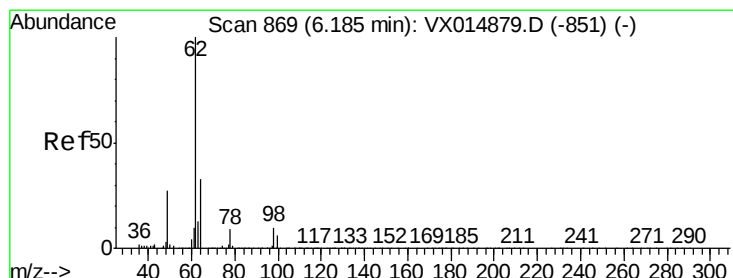
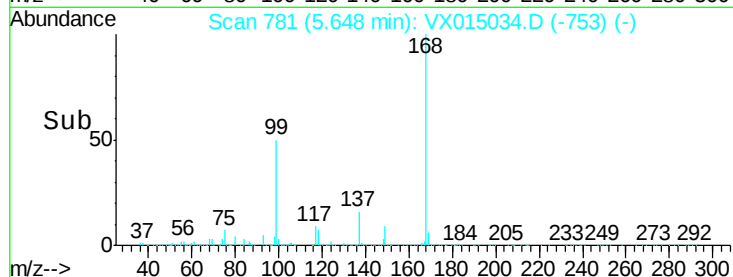
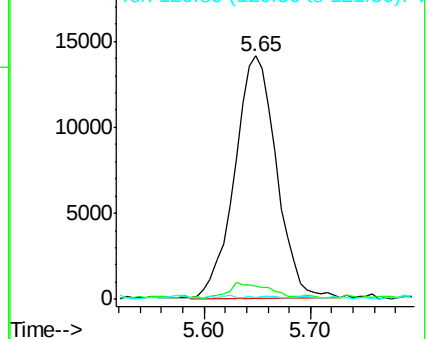
121 0.0 25.4 38.2#



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



#42

1,2-Dichloroethane

Concen: 0.23 ug/l

RT: 6.20 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX015034.D

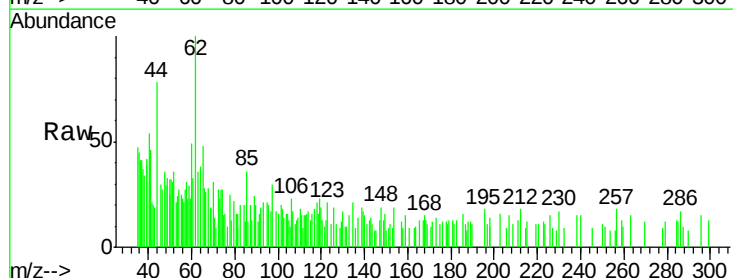
Acq: 27 Feb 2020 09:24

Tgt Ion: 62 Resp: 1536

Ion Ratio Lower Upper

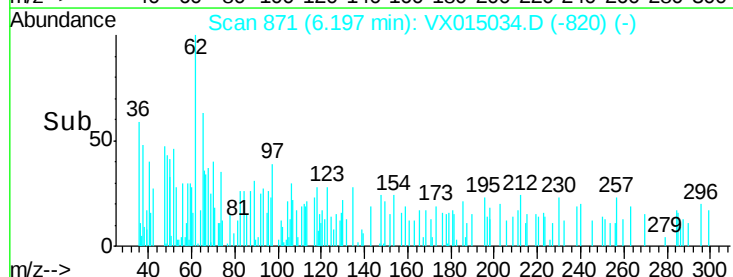
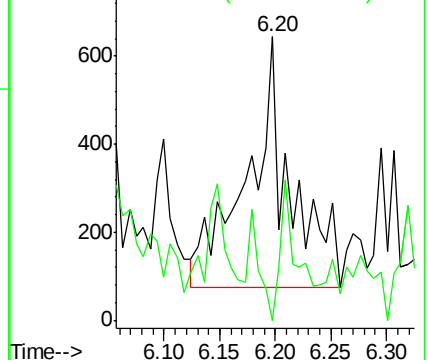
62 100

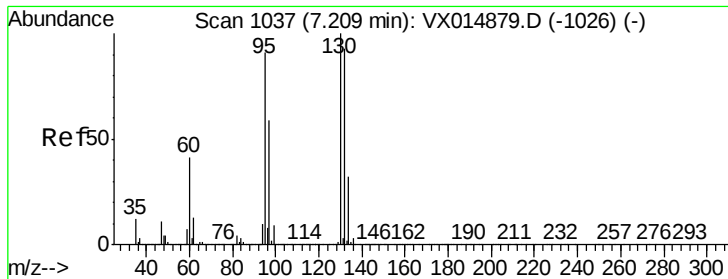
98 23.2 0.0 19.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 0.35 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

Instrument :

MSVOA_X

ClientSampled :

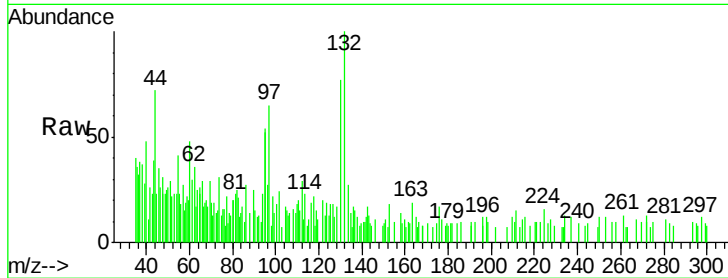
VX0227WBL01

Tgt Ion:130 Resp: 1909

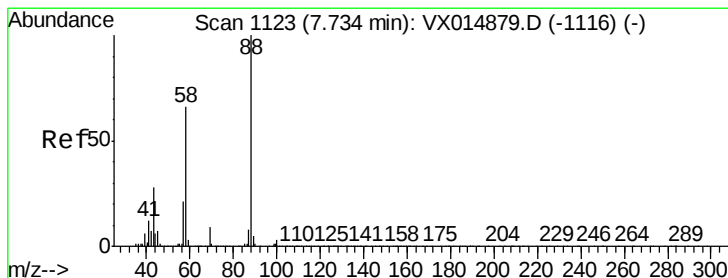
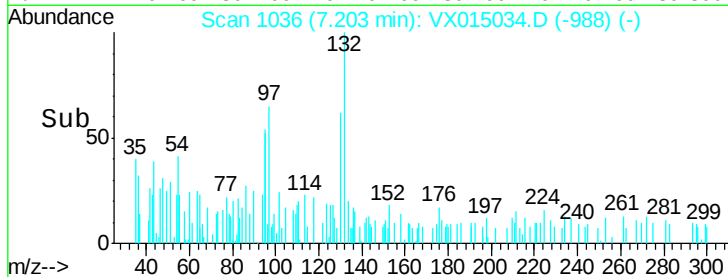
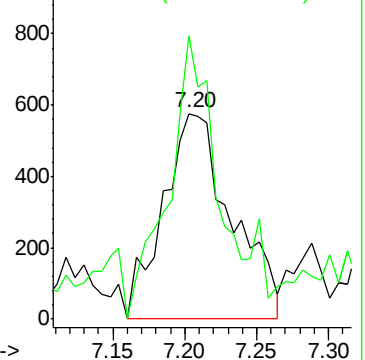
Ion Ratio Lower Upper

130 100

95 157.0 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V



#49

1,4-Dioxane

Concen: 1.04 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

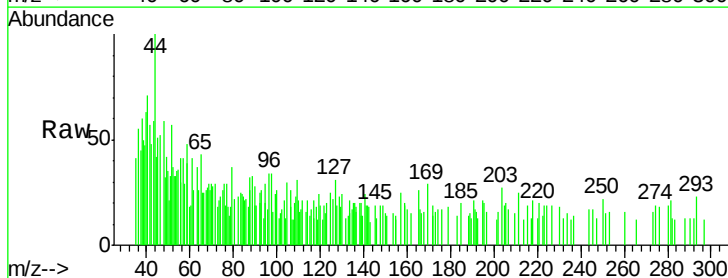
Tgt Ion: 88 Resp: 104

Ion Ratio Lower Upper

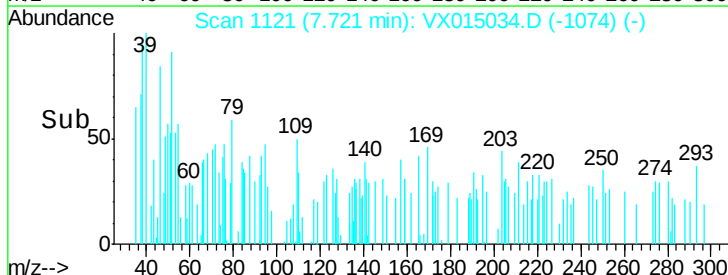
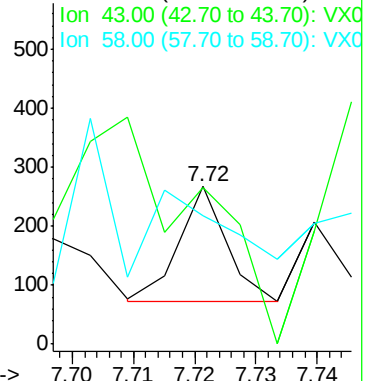
88 100

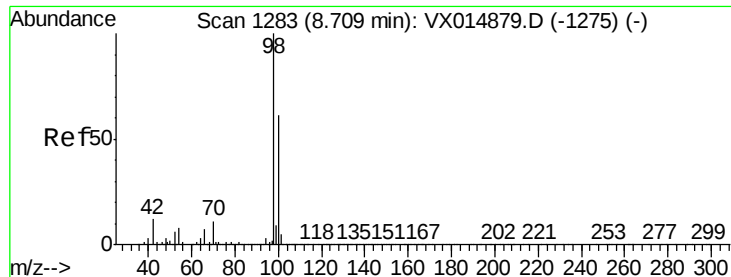
43 0.0 27.0 40.4#

58 0.0 53.2 79.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0





#50

Toluene-d8

Concen: 51.24 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

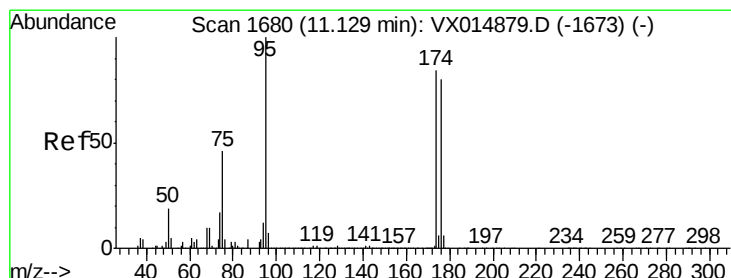
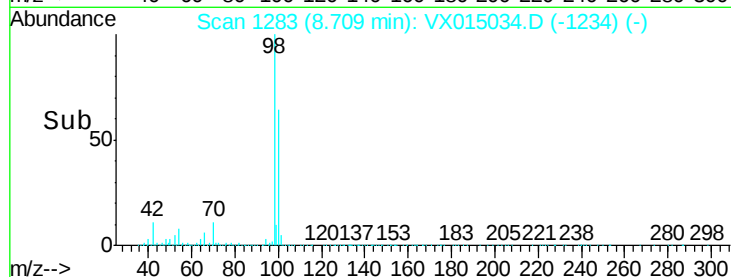
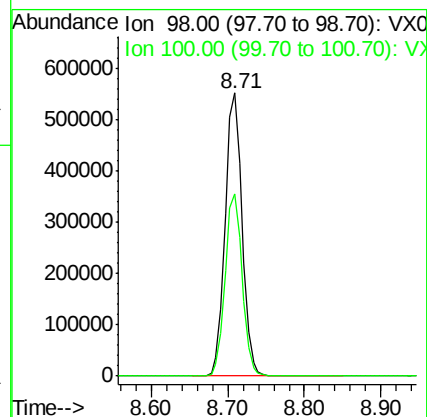
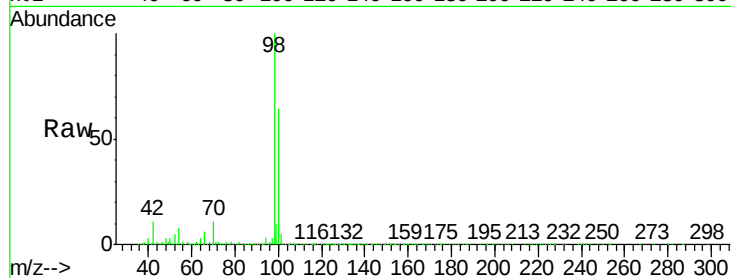
VX0227WBL01

Tgt Ion: 98 Resp: 848274

Ion Ratio Lower Upper

98 100

100 64.8 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 49.27 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

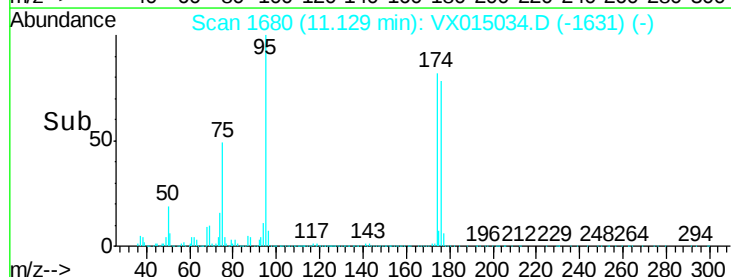
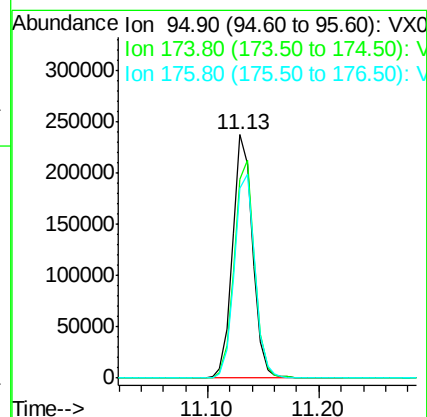
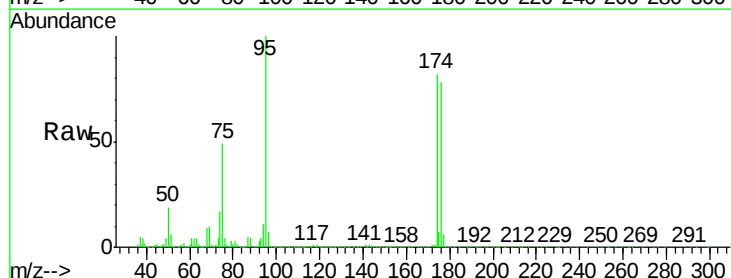
Tgt Ion: 95 Resp: 293839

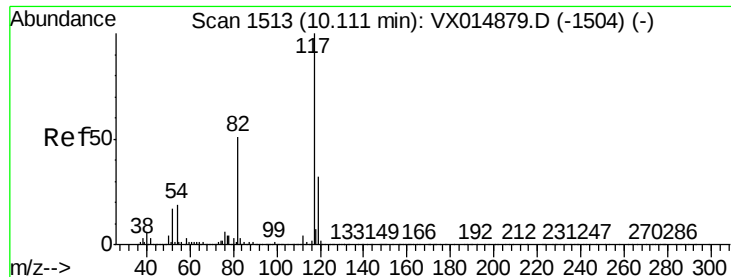
Ion Ratio Lower Upper

95 100

174 91.0 0.0 183.0

176 86.8 0.0 178.0

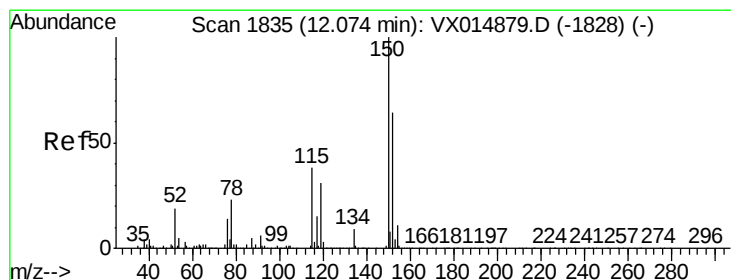
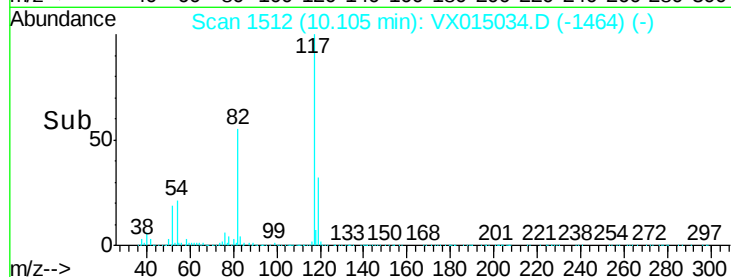
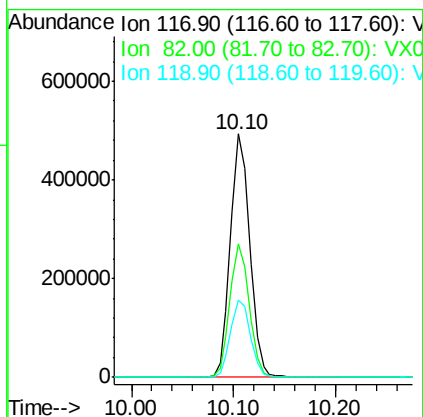
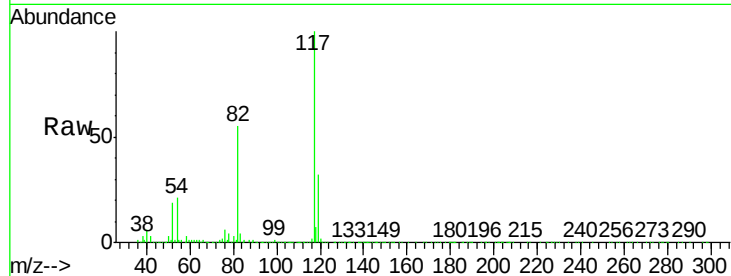




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015034.D
Acq: 27 Feb 2020 09:24

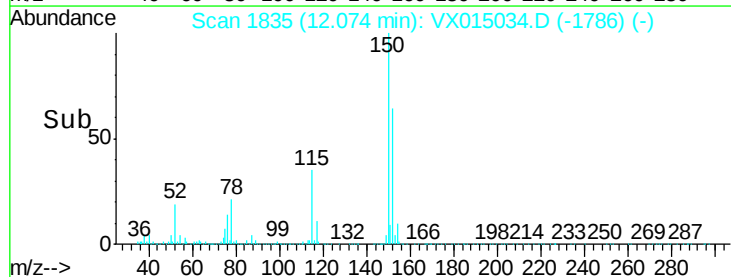
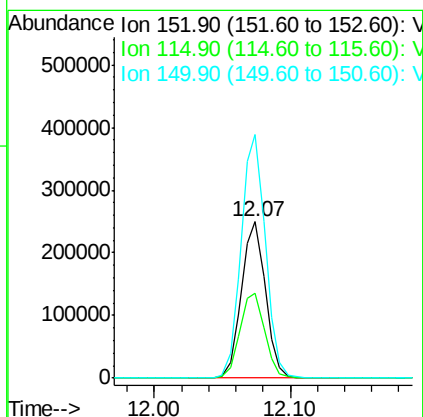
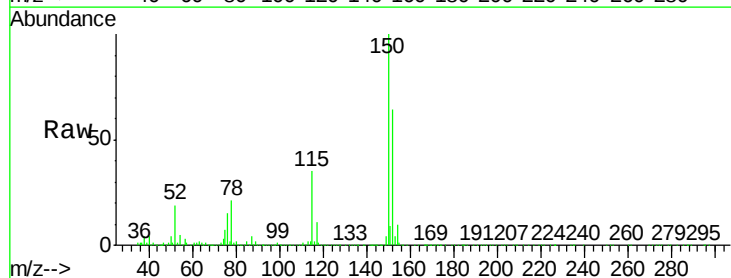
Instrument :
MSVOA_X
ClientSampleId :
VX0227WBL01

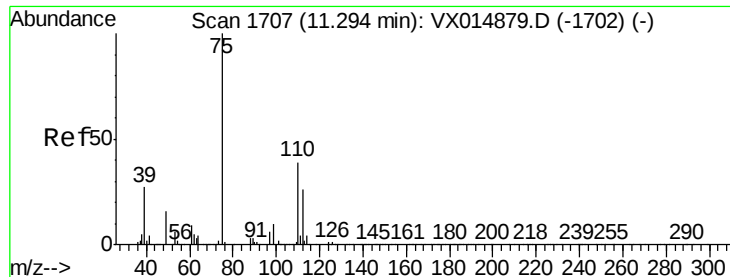
Tgt Ion:117 Resp: 648588
Ion Ratio Lower Upper
117 100
82 54.6 40.5 60.7
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015034.D
Acq: 27 Feb 2020 09:24

Tgt Ion:152 Resp: 307204
Ion Ratio Lower Upper
152 100
115 55.7 38.6 116.0
150 156.8 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 26.00 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

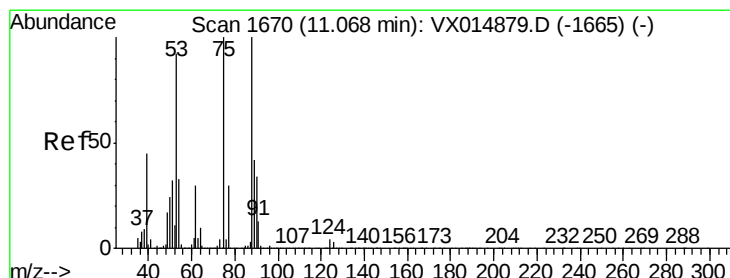
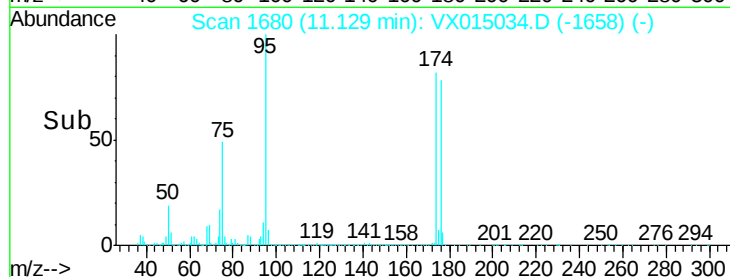
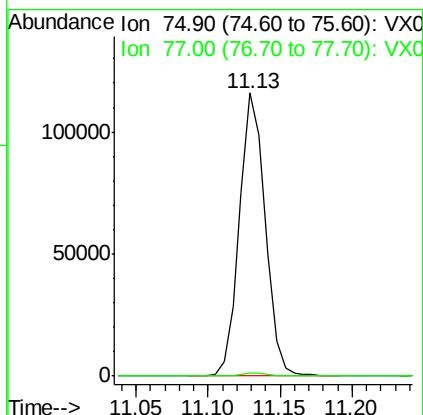
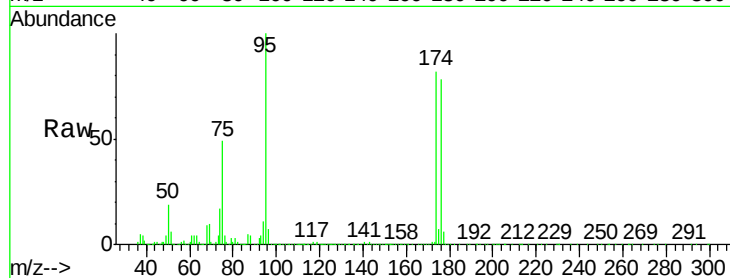
VX0227WBL01

Tgt Ion: 75 Resp: 144441

Ion Ratio Lower Upper

75 100

77 1.4 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.55 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

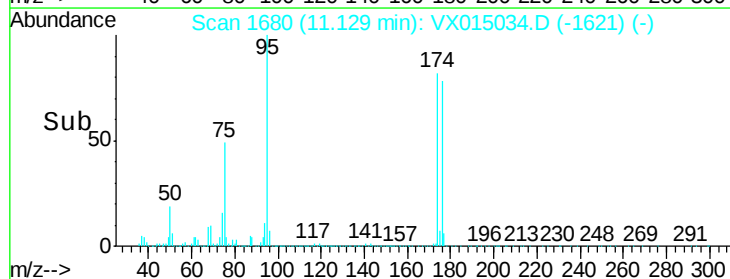
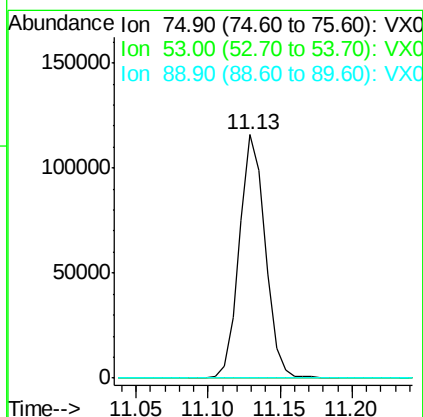
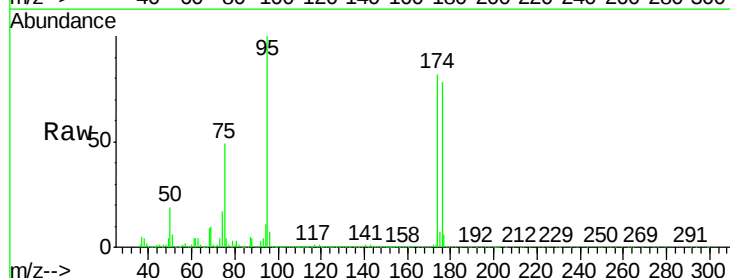
Tgt Ion: 75 Resp: 144441

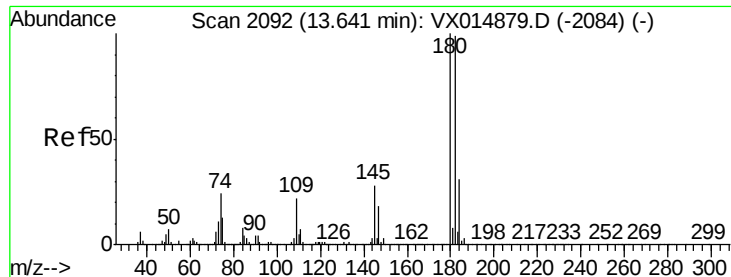
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.2 35.8 53.6#

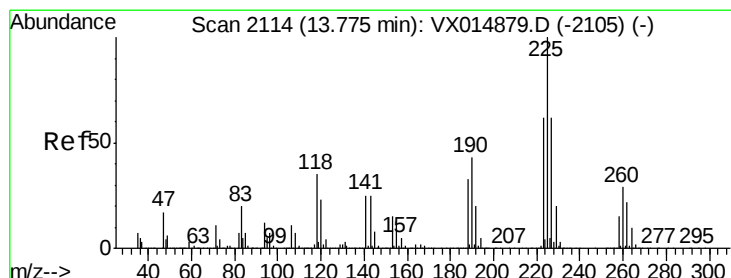
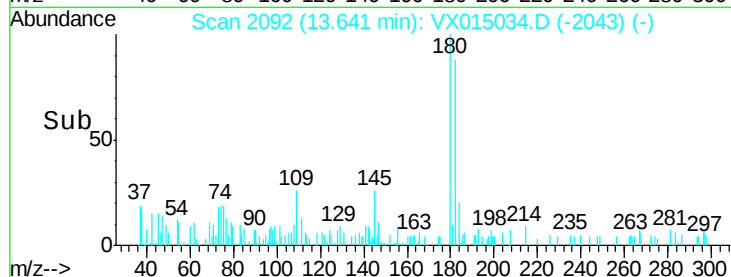
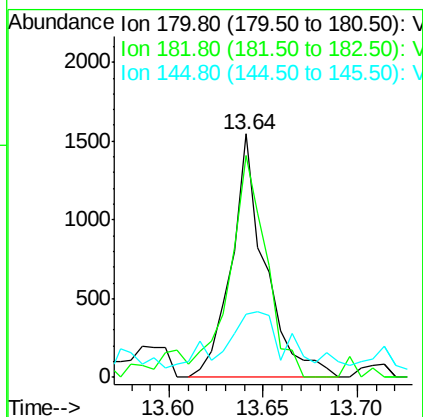
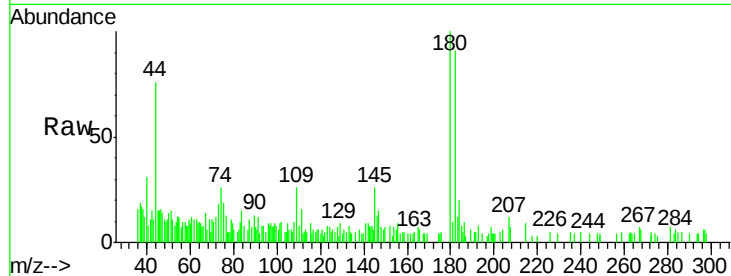




#93
 1,2,4-Trichlorobenzene
 Concen: 0.27 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX015034.D
 Acq: 27 Feb 2020 09:24

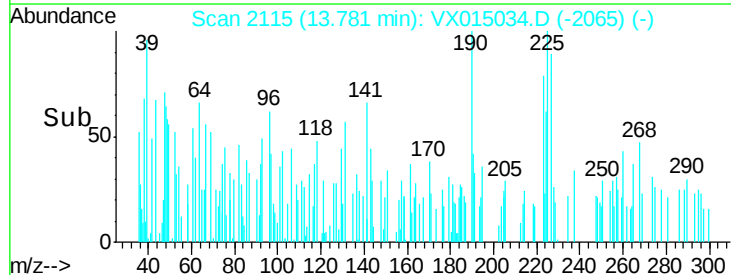
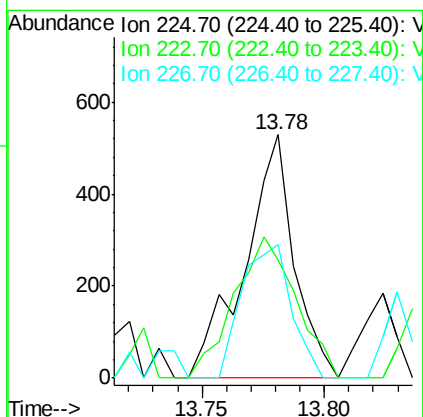
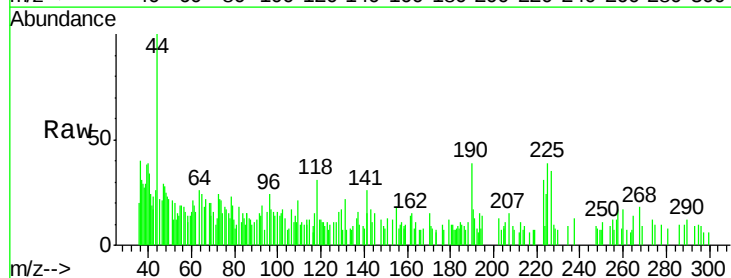
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBL01

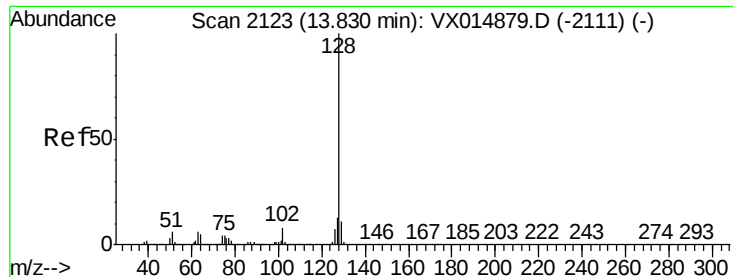
Tgt Ion:180 Resp: 1920
 Ion Ratio Lower Upper
 180 100
 182 98.0 48.4 145.3
 145 43.3 14.1 42.4#



#94
 Hexachlorobutadiene
 Concen: 0.22 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX015034.D
 Acq: 27 Feb 2020 09:24

Tgt Ion:225 Resp: 749
 Ion Ratio Lower Upper
 225 100
 223 72.1 31.1 93.2
 227 54.9 30.9 92.5





#95

Naphthalene

Concen: 0.24 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBL01

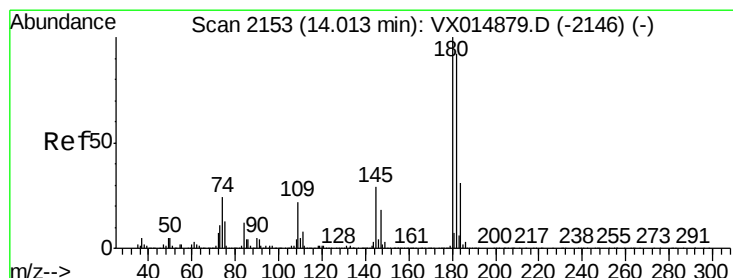
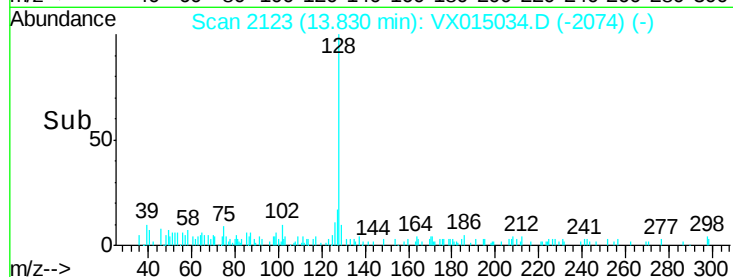
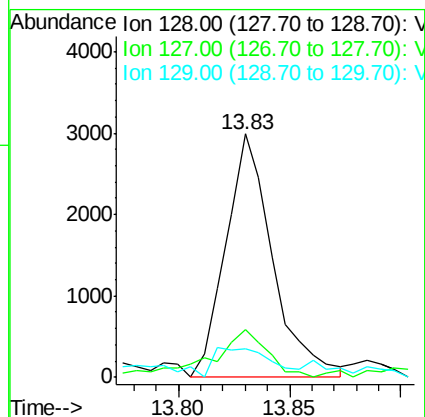
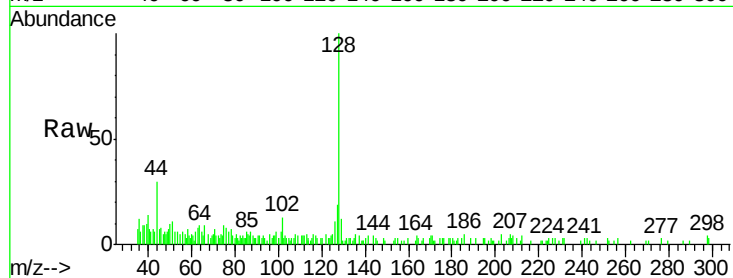
Tgt Ion:128 Resp: 4381

Ion Ratio Lower Upper

128 100

127 22.4 10.4 15.6#

129 11.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.29 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX015034.D

Acq: 27 Feb 2020 09:24

Tgt Ion:180 Resp: 1954

Ion Ratio Lower Upper

180 100

182 116.7 47.5 142.6

145 35.3 14.5 43.5

