

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022020\
 Data File : VX014977.D
 Acq On : 20 Feb 2020 14:22
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 21 00:34:33 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	463165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	729799	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	703855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	390663	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	261665	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
35) Dibromofluoromethane	5.48	113	216219	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
50) Toluene-d8	8.71	98	872813	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.13	95	339563	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	

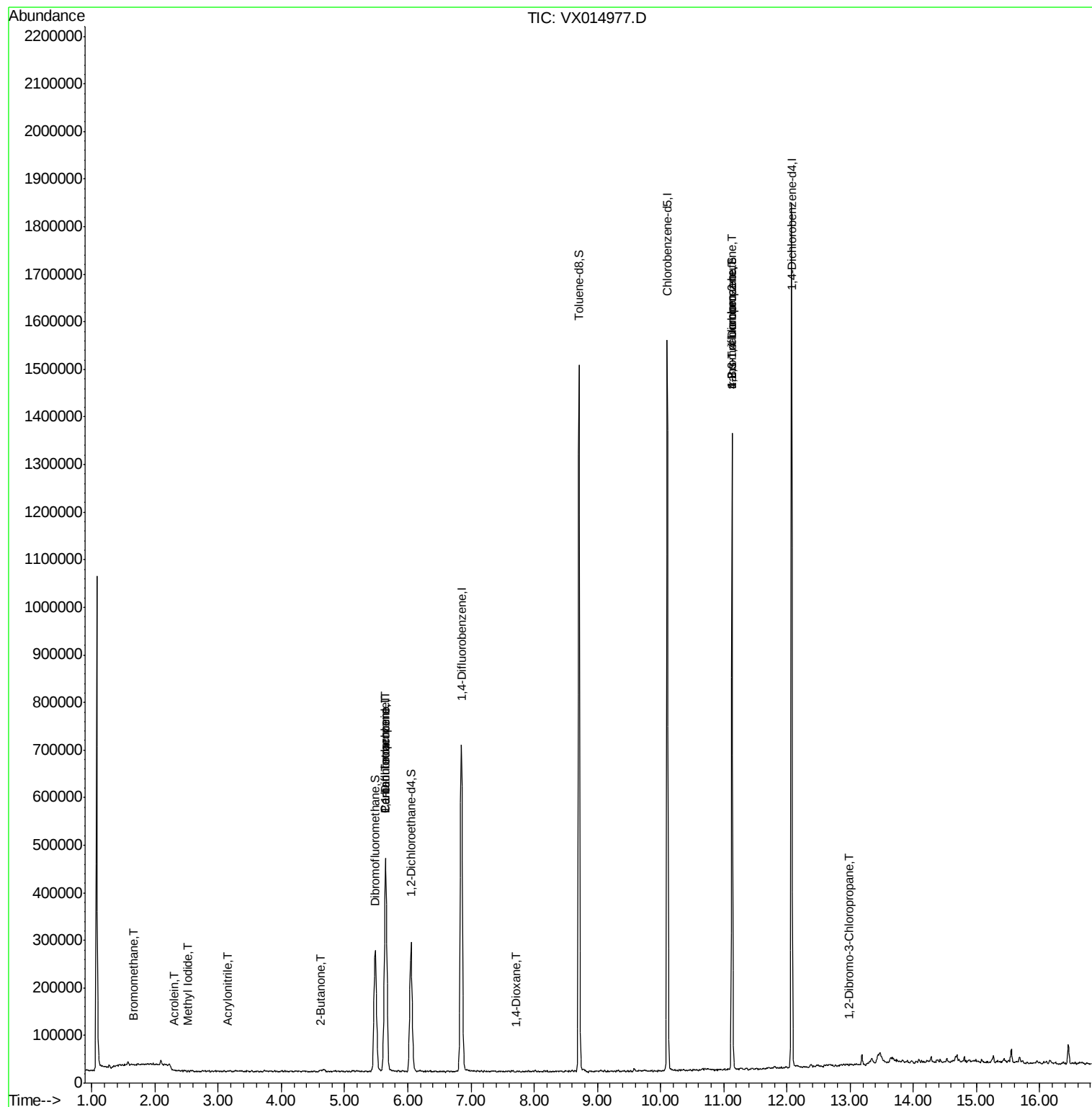
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1094	0.315	ug/l #	69
10) Methyl Iodide	2.51	142	1011	4.559	ug/l #	58
13) Acrolein	2.30	56	551	0.783	ug/l #	70
15) Acrylonitrile	3.15	53	529	0.226	ug/l #	6
16) Acetone	2.42	43	2277	Below Cal	#	76
25) 2-Butanone	4.61	43	1042	0.293	ug/l #	49
36) 1,1-Dichloropropene	5.65	75	30376	4.653	ug/l #	51
38) Carbon Tetrachloride	5.65	117	39556	6.218	ug/l #	16
49) 1,4-Dioxane	7.73	88	278	2.690	ug/l #	13
76) 1,2,3-Trichloropropane	11.13	75	170664	24.158	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	170664	61.838	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	459	0.244	ug/l #	10

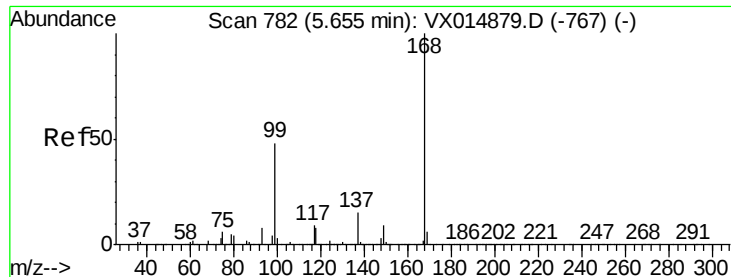
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014977.D

Acq: 20 Feb 2020 14:22

Instrument :

MSVOA_X

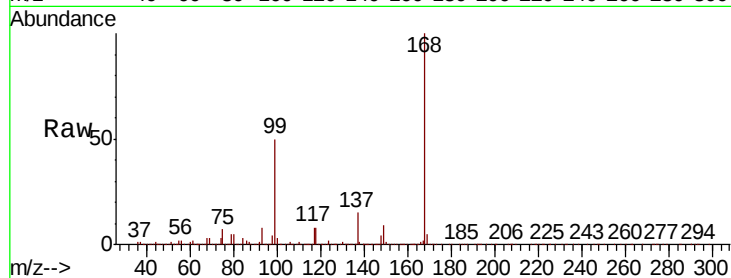
ClientSampleId :

Tot Ion:168 Resp: 463165

Ion Ratio Lower Upper

168 100

99 49.8 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

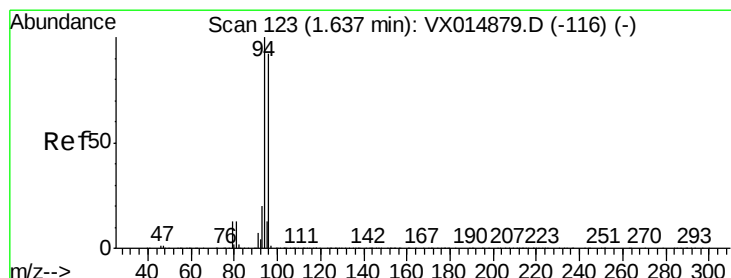
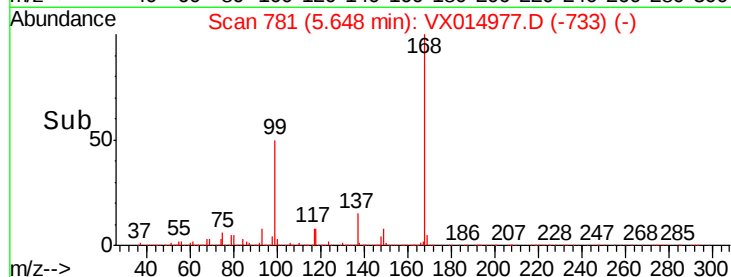
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.315 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX014977.D

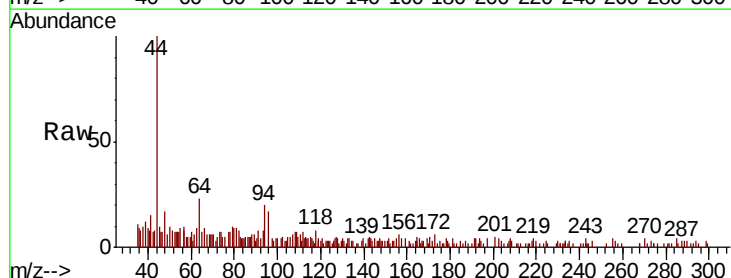
Acq: 20 Feb 2020 14:22

Tgt Ion: 94 Resp: 1094

Ion Ratio Lower Upper

94 100

96 62.4 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

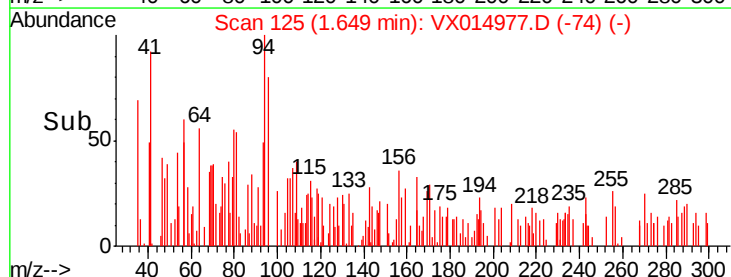
600

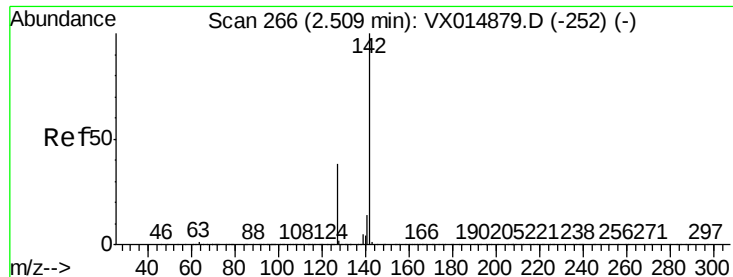
400

200

0

Time-->

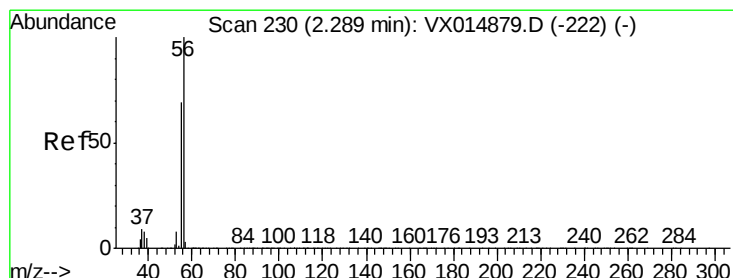
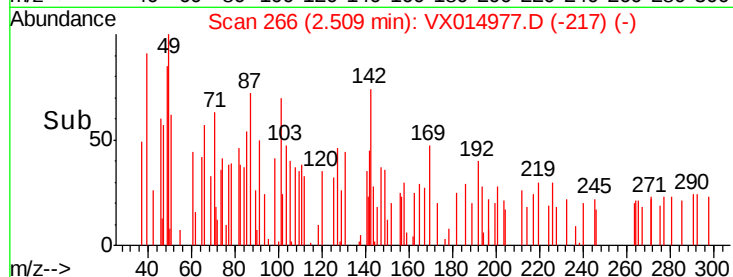
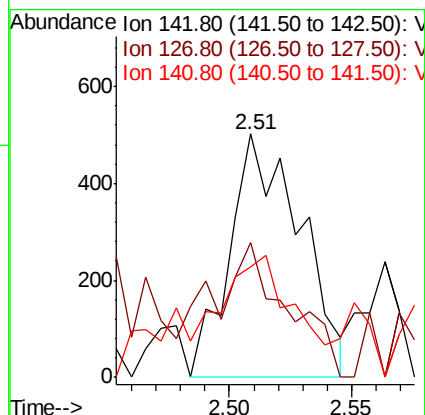
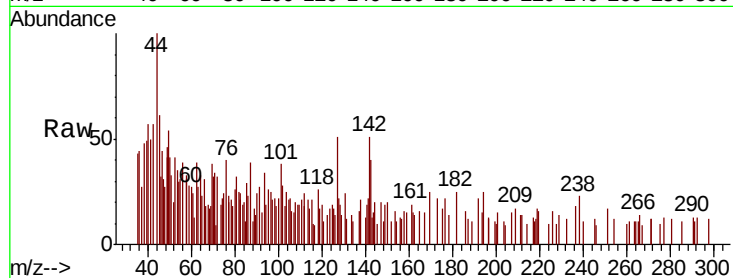




#10
Methvl Iodide
Concen: 4.559 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX014977.D
Acq: 20 Feb 2020 14:22

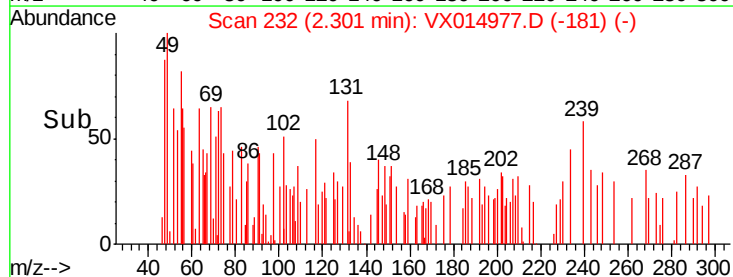
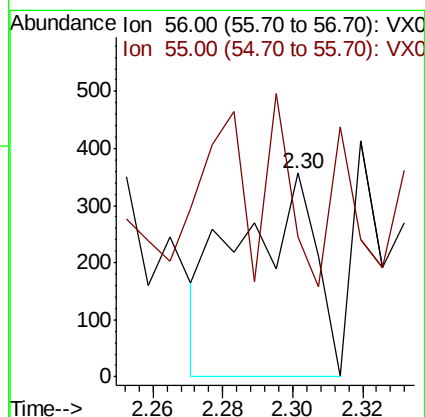
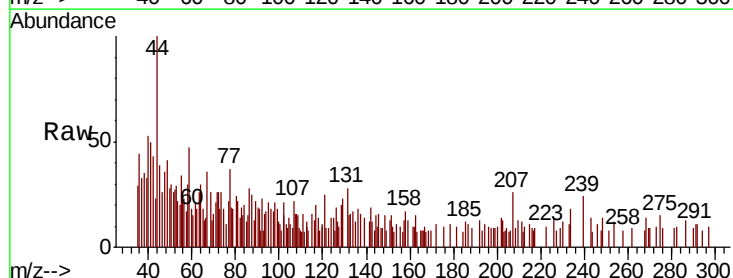
Instrument :
MSVOA_X
ClientSampled :

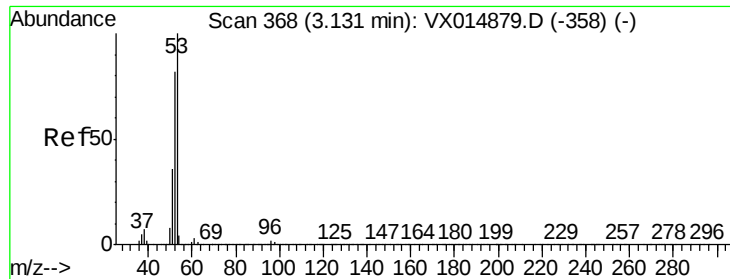
Tot Ion:142 Resp: 1011
Ion Ratio Lower Upper
142 100
127 59.1 31.1 46.7#
141 41.5 11.3 16.9#



#13
Acrolein
Concen: 0.783 ug/l
RT: 2.30 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX014977.D
Acq: 20 Feb 2020 14:22

Tgt Ion: 56 Resp: 551
Ion Ratio Lower Upper
56 100
55 44.1 55.0 82.4#





#15

Acrylonitrile

Concen: 0.226 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.02 min

Lab File: VX014977.D

Acq: 20 Feb 2020 14:22

Instrument :
MSVOA_X
ClientSampled :

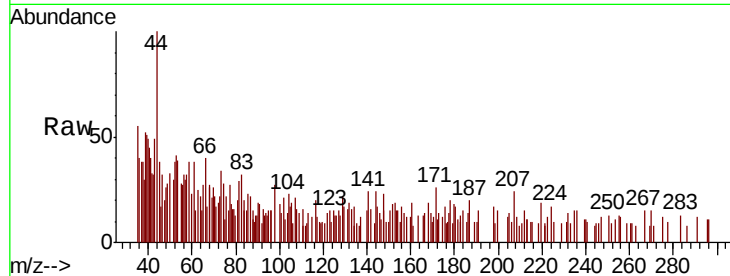
Tot Ion: 53 Resp: 529

Ion Ratio Lower Upper

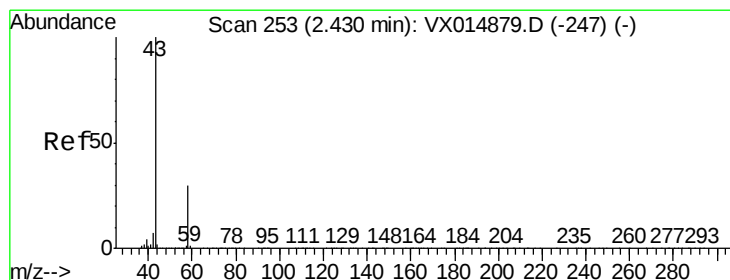
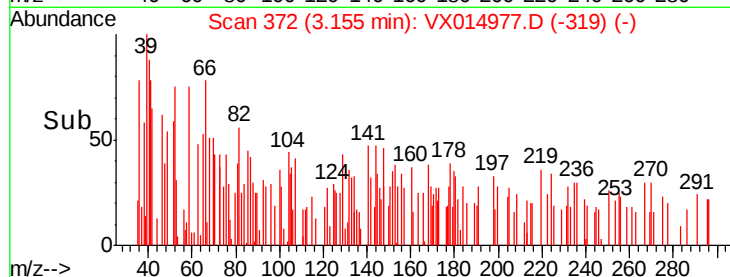
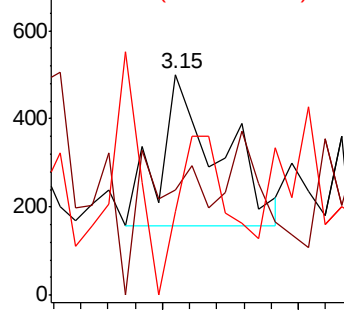
53 100

52 0.0 65.8 98.6#

51 95.8 29.1 43.7#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX014977.D

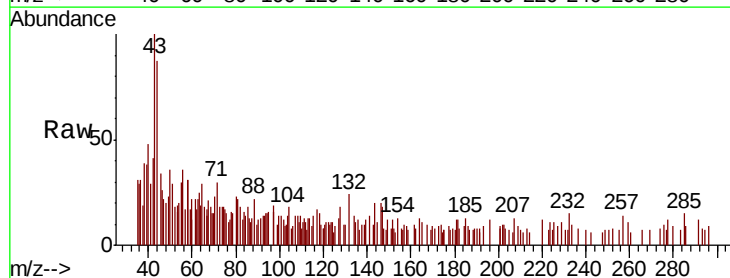
Acq: 20 Feb 2020 14:22

Tgt Ion: 43 Resp: 2277

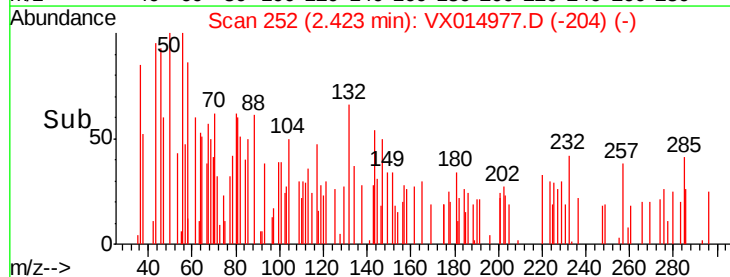
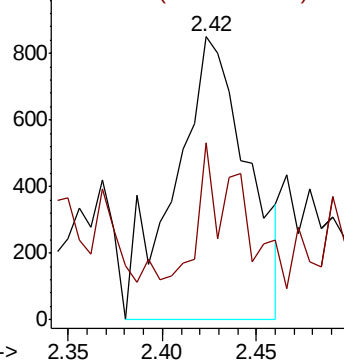
Ion Ratio Lower Upper

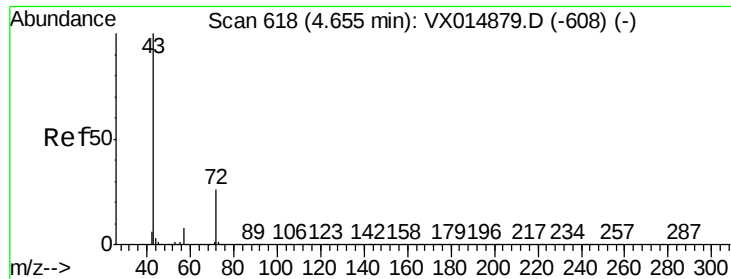
43 100

58 43.2 24.1 36.1#



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

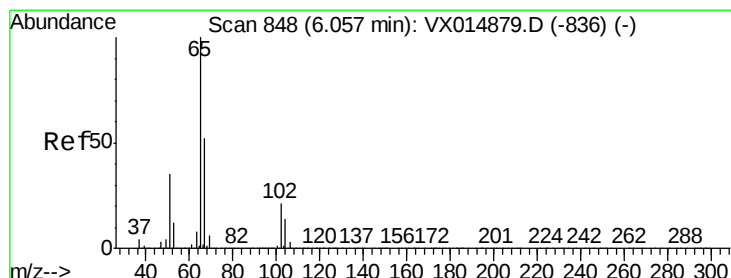
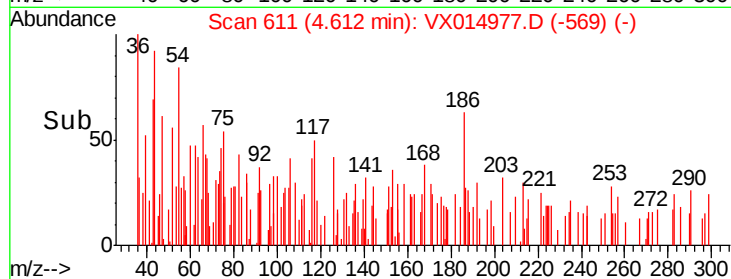
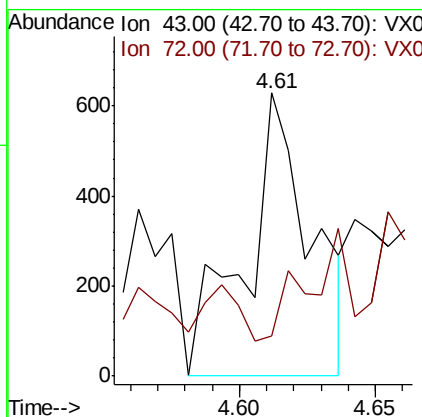
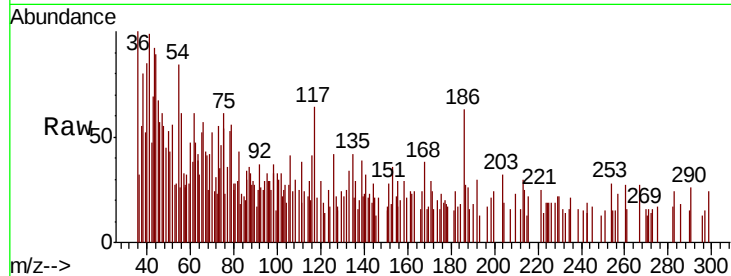




#25
2-Butanone
Concen: 0.293 ug/l
RT: 4.61 min Scan# 611
Delta R.T. -0.04 min
Lab File: VX014977.D
Acq: 20 Feb 2020 14:22

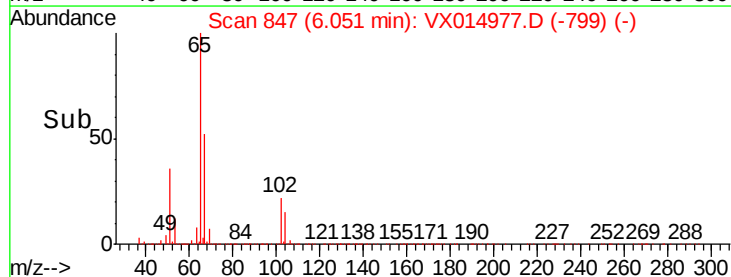
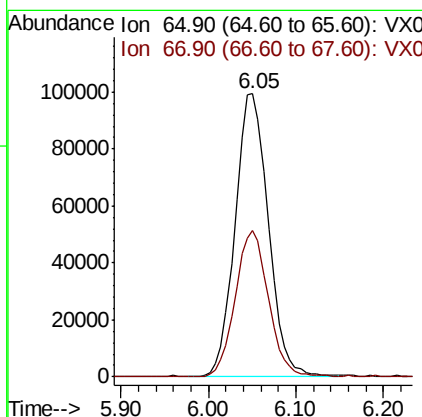
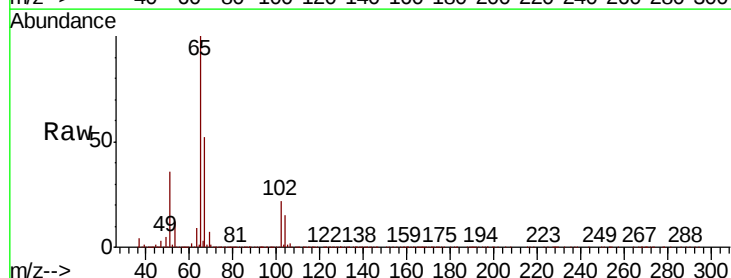
Instrument :
MSVOA_X
ClientSampled :

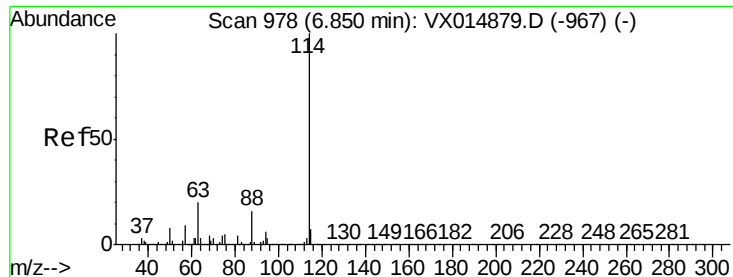
Tot Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#33
1,2-Dichloroethane-d4
Concen: 50.059 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX014977.D
Acq: 20 Feb 2020 14:22

Tgt Ion: 65 Resp: 261665
Ion Ratio Lower Upper
65 100
67 51.5 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: VX014977.D

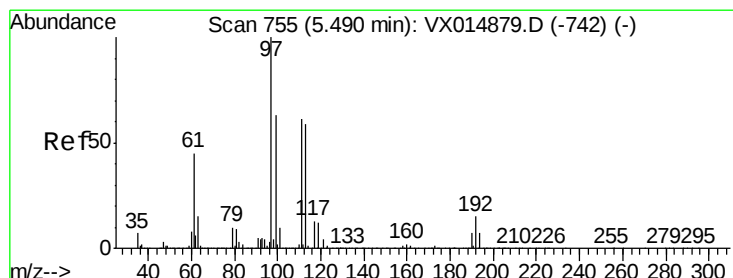
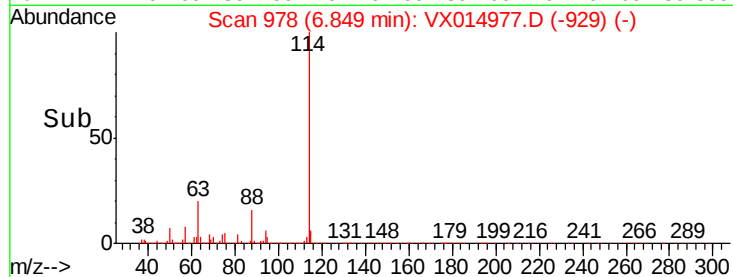
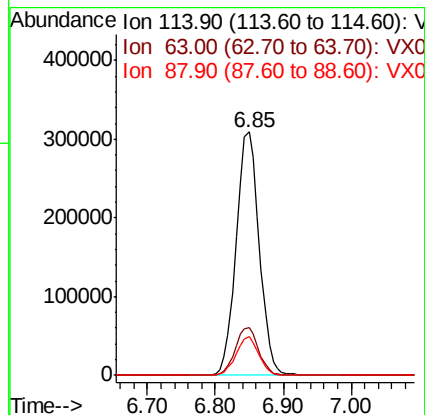
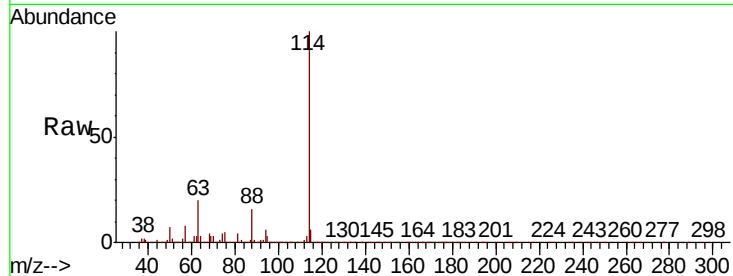
Acq: 20 Feb 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	114	Resp:	729799
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.2
88	15.7	0.0	32.0



#35

Dibromofluoromethane

Concen: 48.192 ug/l

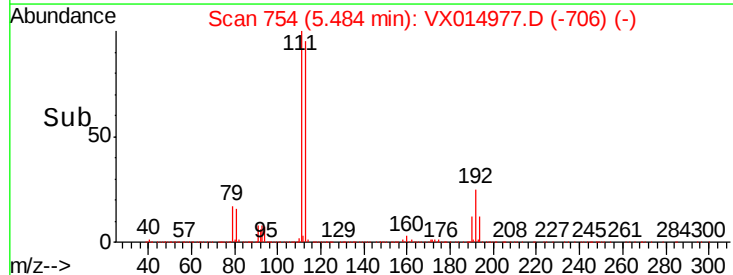
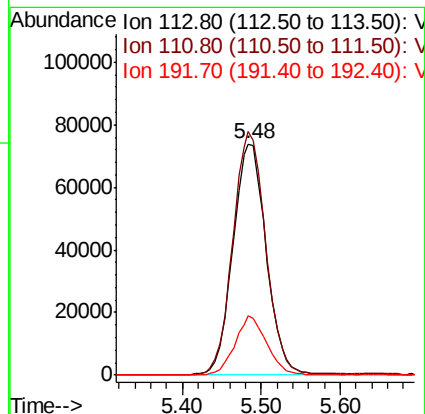
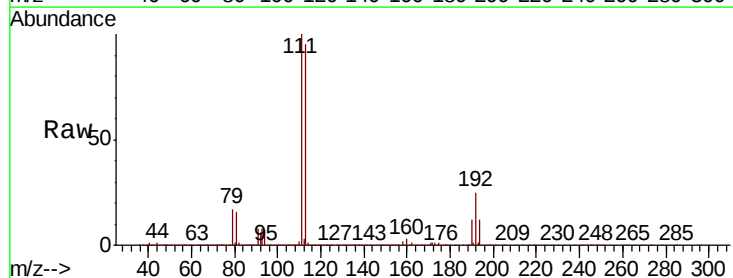
RT: 5.48 min Scan# 754

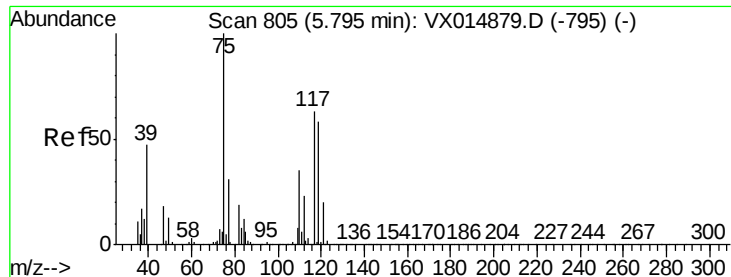
Delta R.T. -0.01 min

Lab File: VX014977.D

Acq: 20 Feb 2020 14:22

Tgt Ion:	113	Resp:	216219
Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.4	123.6
192	24.6	19.1	28.7

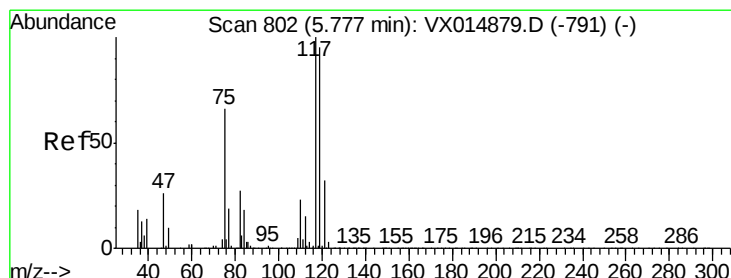
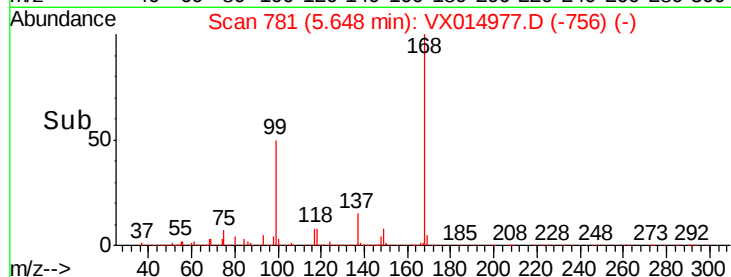
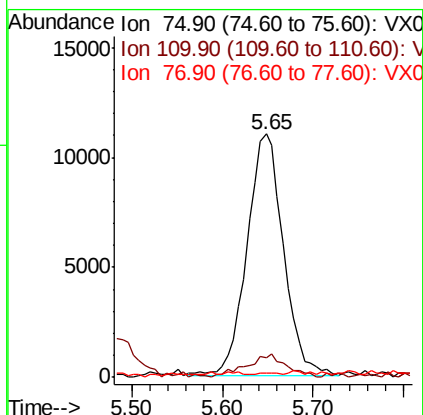
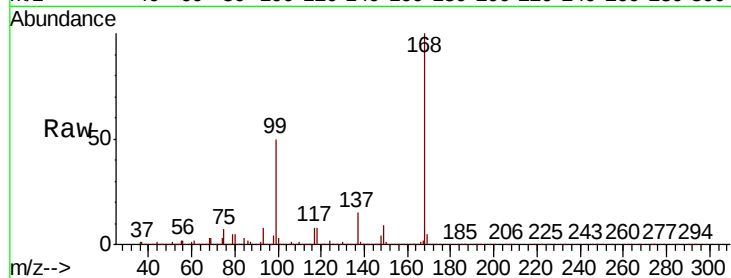




#36
 1,1-Dichloropropene
 Concen: 4.653 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014977.D
 Acq: 20 Feb 2020 14:22

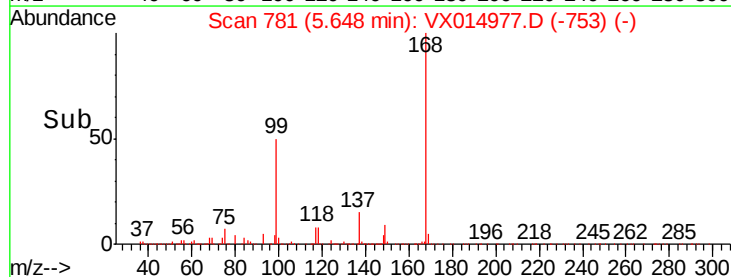
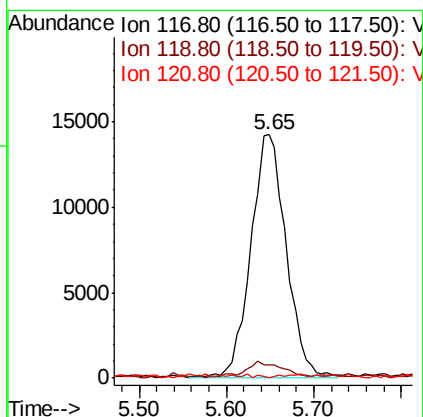
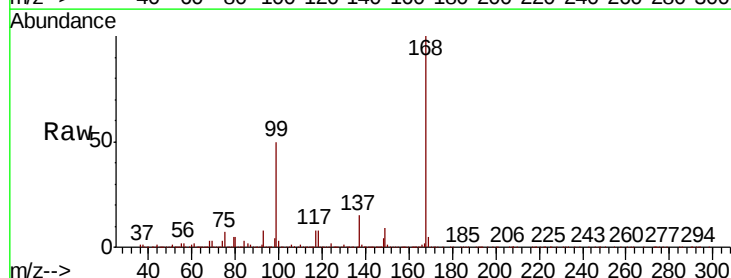
Instrument :
 MSVOA_X
 ClientSampleId :

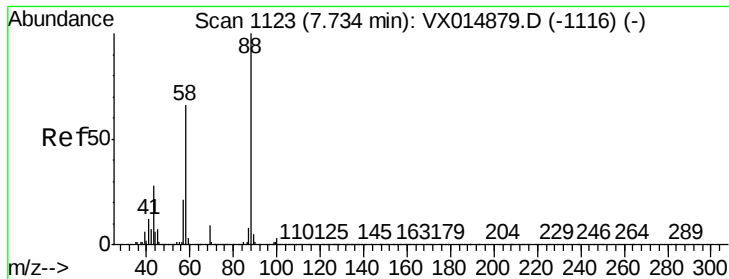
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.3	54.8#
77	0.5	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.218 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014977.D
 Acq: 20 Feb 2020 14:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.0	114.0#
121	0.0	25.4	38.2#

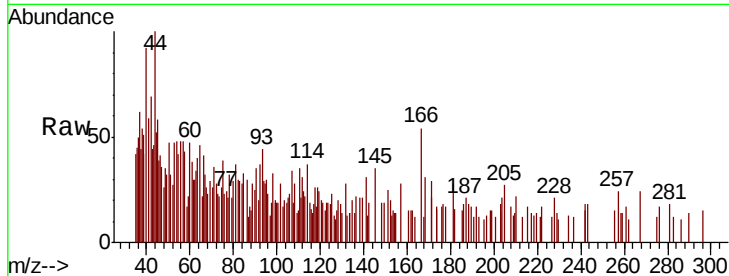




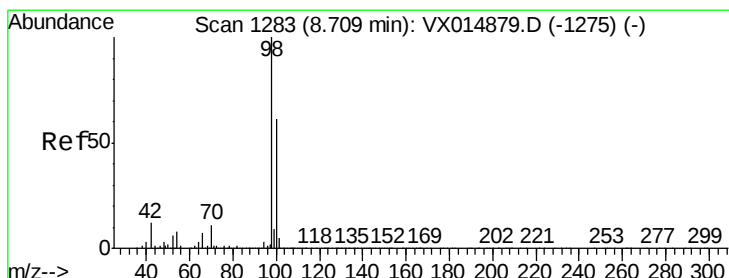
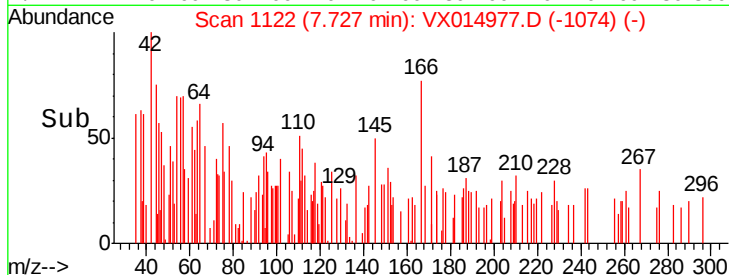
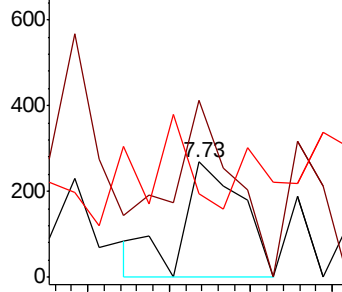
#49
1,4-Dioxane
Concen: 2.690 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014977.D
Acq: 20 Feb 2020 14:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 278
Ion Ratio Lower Upper
88 100
43 162.2 27.0 40.4#
58 79.5 53.2 79.8

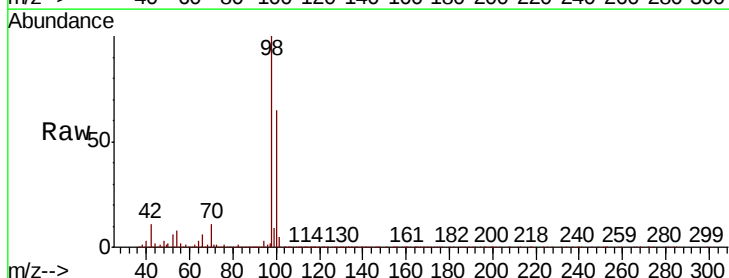


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

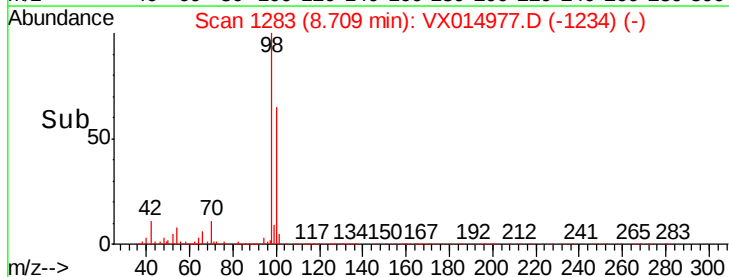
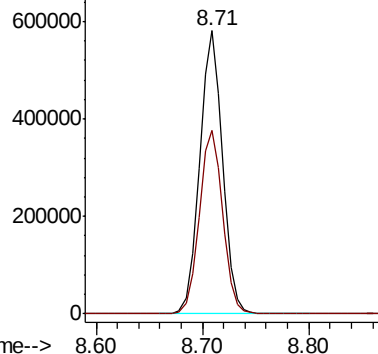


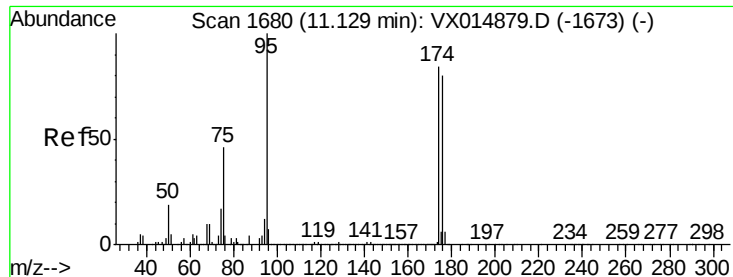
#50
Toluene-d8
Concen: 50.965 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014977.D
Acq: 20 Feb 2020 14:22

Tgt Ion: 98 Resp: 872813
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 55.041 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014977.D

Acq: 20 Feb 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

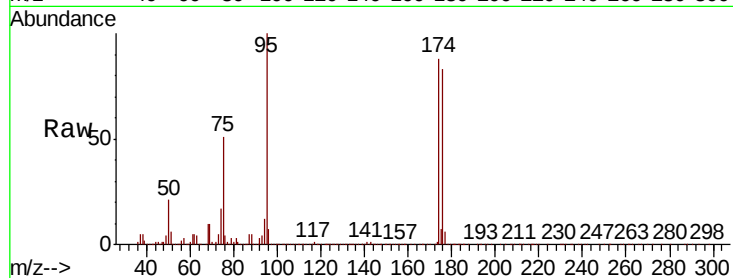
Tot Ion: 95 Resp: 339563

Ion Ratio Lower Upper

95 100

174 92.8 0.0 183.0

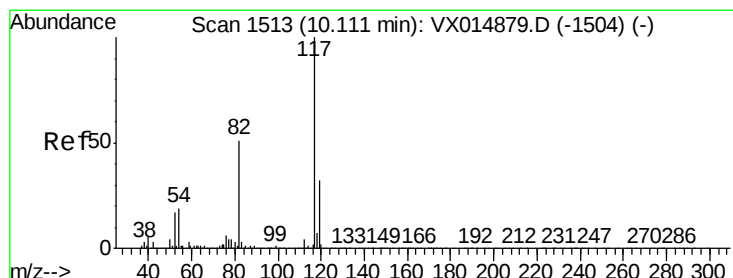
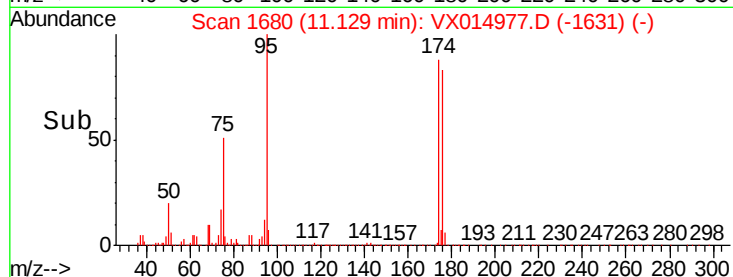
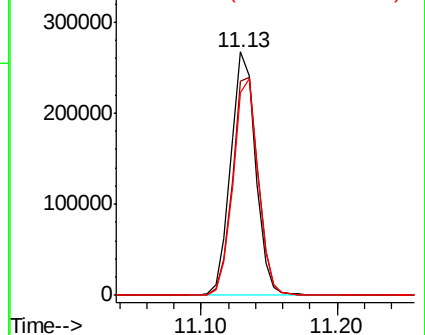
176 89.5 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX014879.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014879.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014879.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014977.D

Acq: 20 Feb 2020 14:22

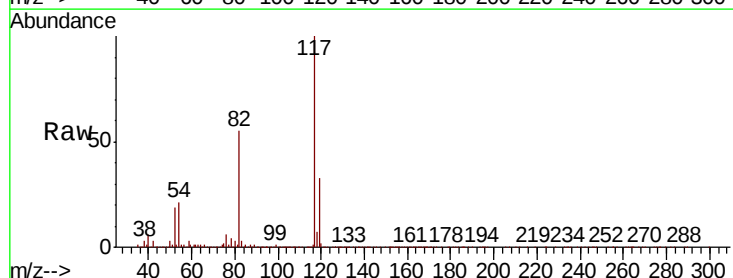
Tgt Ion: 117 Resp: 703855

Ion Ratio Lower Upper

117 100

82 55.1 40.5 60.7

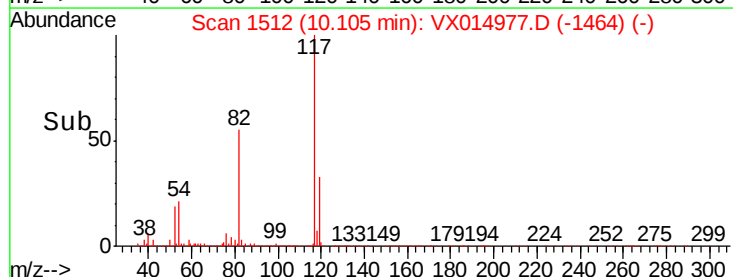
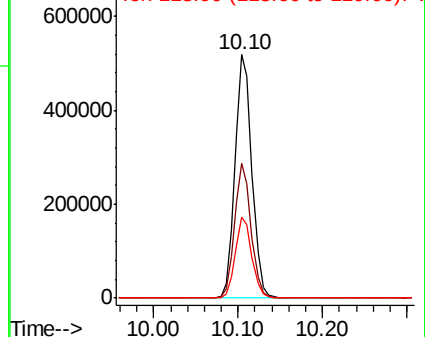
119 33.0 25.8 38.6

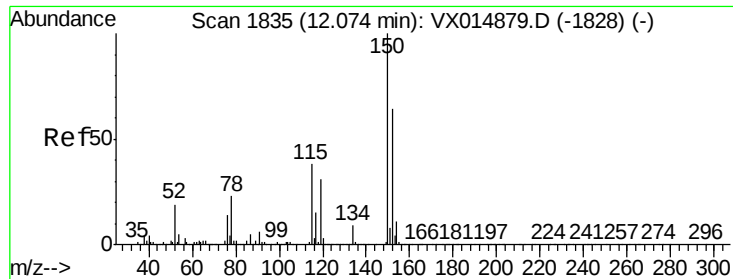


Abundance Ion 116.90 (116.60 to 117.60): VX014879.D (-1504) (-)

Ion 82.00 (81.70 to 82.70): VX014879.D (-1504) (-)

Ion 118.90 (118.60 to 119.60): VX014879.D (-1504) (-)

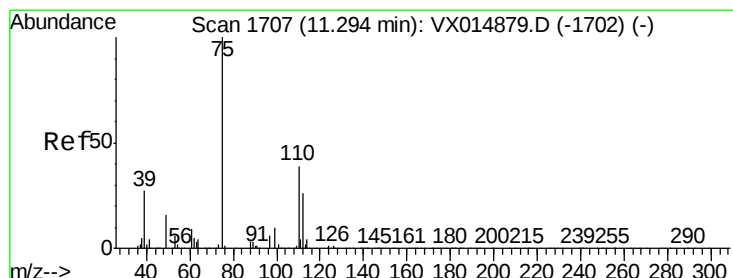
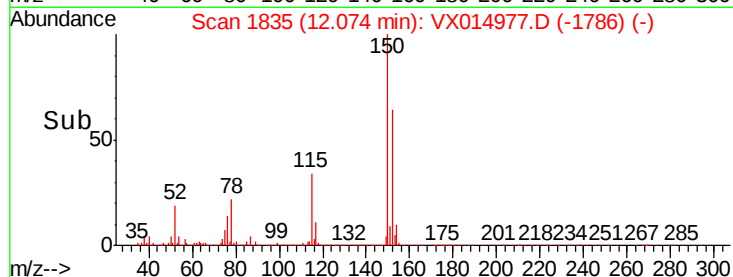
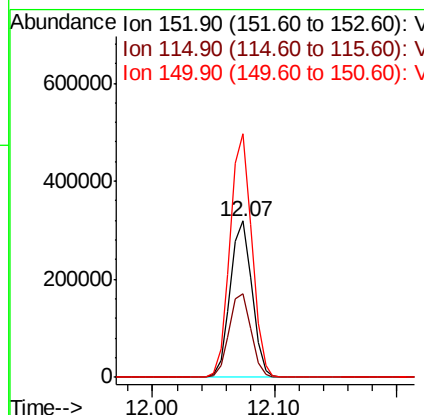
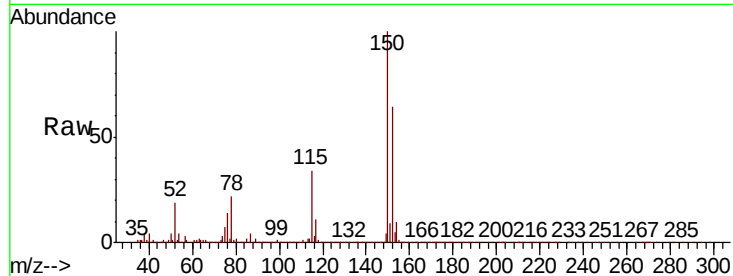




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX014977.D
 Acq: 20 Feb 2020 14:22

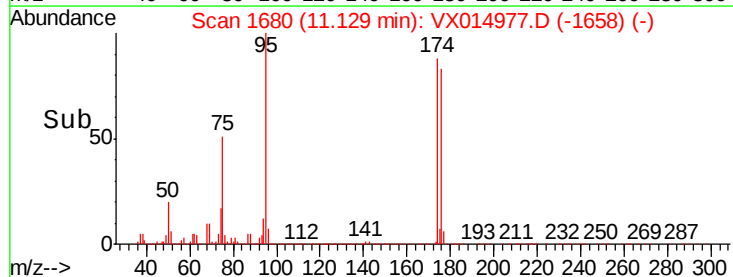
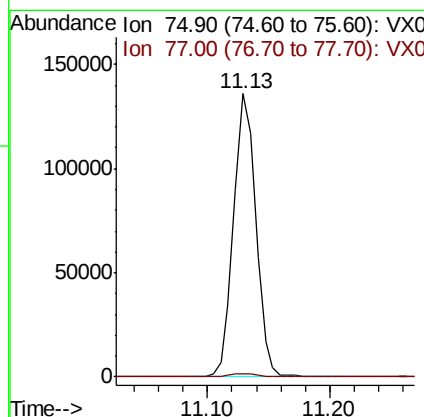
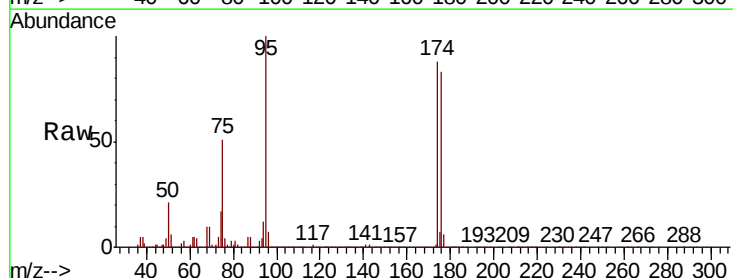
Instrument :
 MSVOA_X
 ClientSampleId :

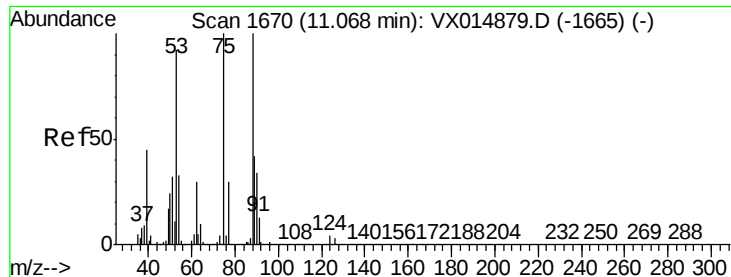
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.3	38.6	116.0
150	155.8	0.0	349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.158 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014977.D
 Acq: 20 Feb 2020 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	18.4	55.0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.838 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014977.D

Acq: 20 Feb 2020 14:22

Instrument :

MSVOA_X

ClientSampleId :

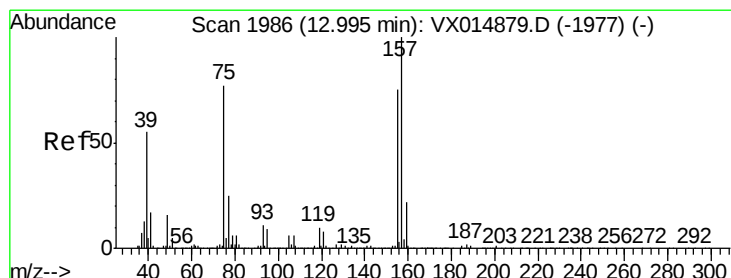
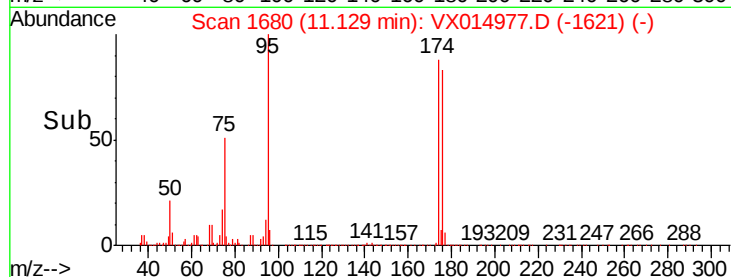
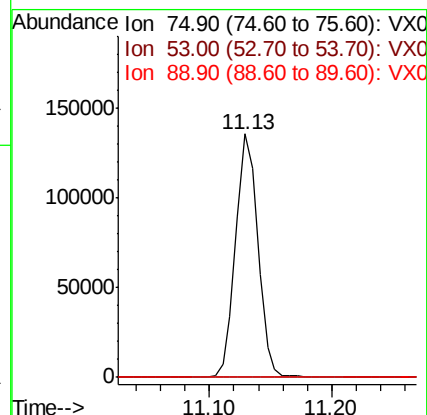
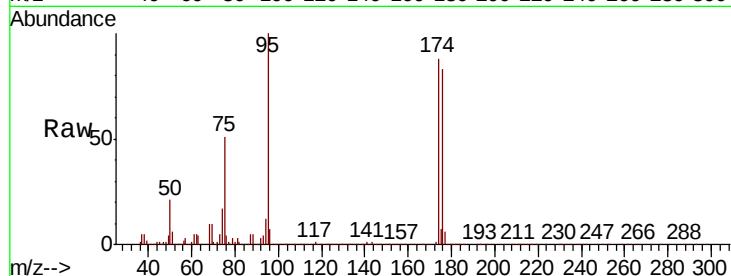
Tot Ion: 75 Resp: 170664

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.1 35.8 53.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.244 ug/l

RT: 12.98 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VX014977.D

Acq: 20 Feb 2020 14:22

Tgt Ion: 75 Resp: 459

Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.9#

157 29.8 62.0 186.0#

