

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022020\
 Data File : VX014979.D
 Acq On : 20 Feb 2020 15:45
 Operator : JC/SP
 Sample : L1605-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 21 00:35:01 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	450808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	700657	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	677759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	372727	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	253587	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	5.49	113	214237	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	8.71	98	841418	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.13	95	324051	54.71	ug/l	0.00
Spiked Amount			Recovery	=	109.42%	

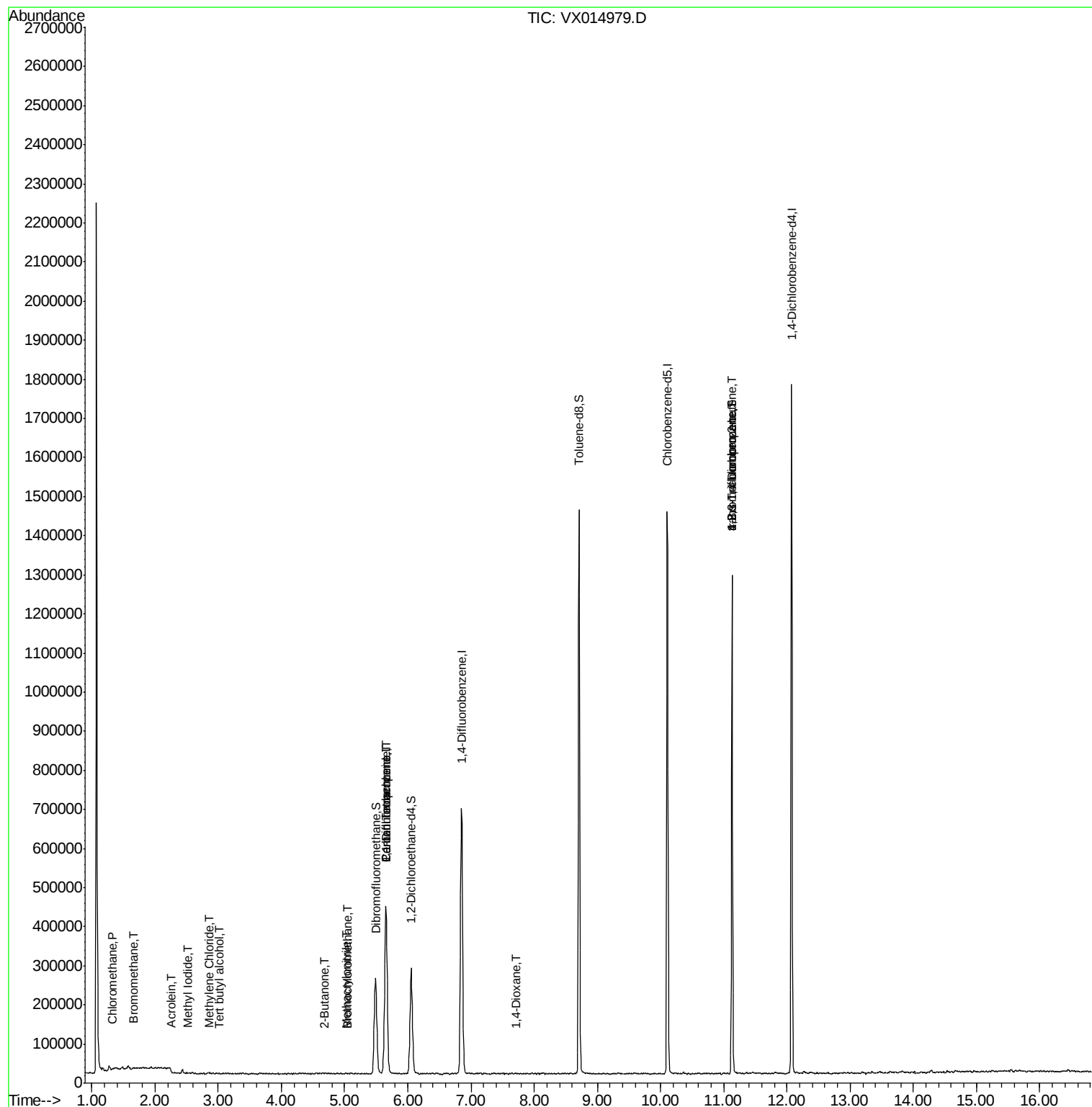
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1550	0.320	ug/l	94
5) Bromomethane	1.66	94	762	0.226	ug/l	99
10) Methyl Iodide	2.52	142	641	4.493	ug/l #	72
11) Tert butyl alcohol	3.01	59	1121	1.248	ug/l #	91
13) Acrolein	2.27	56	187	0.273	ug/l #	1
16) Acetone	2.43	43	11032	Below Cal	#	86
20) Methylene Chloride	2.85	84	1955	0.399	ug/l #	80
25) 2-Butanone	4.68	43	3016	0.871	ug/l	99
28) Bromochloromethane	5.04	49	1083	0.354	ug/l #	35
36) 1,1-Dichloropropene	5.65	75	29737	4.745	ug/l #	50
38) Carbon Tetrachloride	5.65	117	39135	6.407	ug/l #	18
41) Methacrylonitrile	5.03	41	710	0.202	ug/l	91
49) 1,4-Dioxane	7.71	88	380	3.830	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	160169	23.764	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	160169	60.827	ug/l #	12

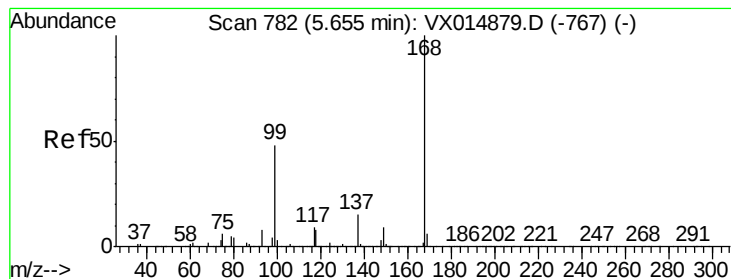
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.00 min

Lab File: VX014979.D

Acq: 20 Feb 2020 15:45

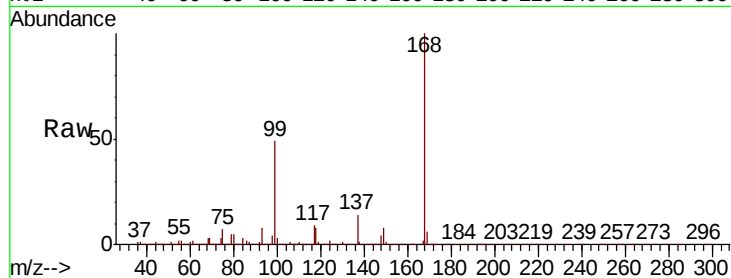
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 450808

Ion Ratio Lower Upper

168 100

99 49.3 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

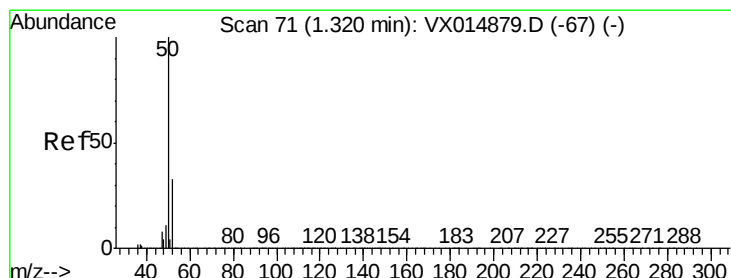
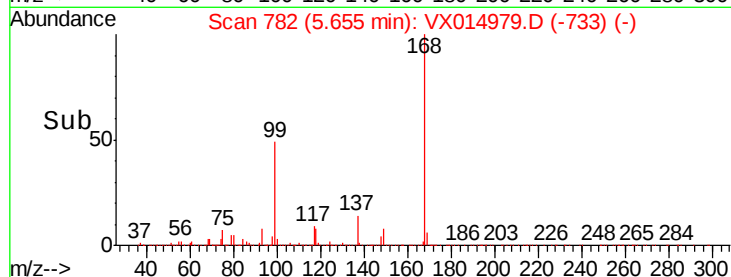
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.320 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014979.D

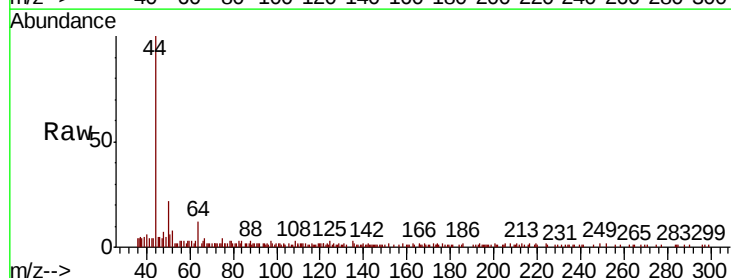
Acq: 20 Feb 2020 15:45

Tgt Ion: 50 Resp: 1550

Ion Ratio Lower Upper

50 100

52 29.6 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

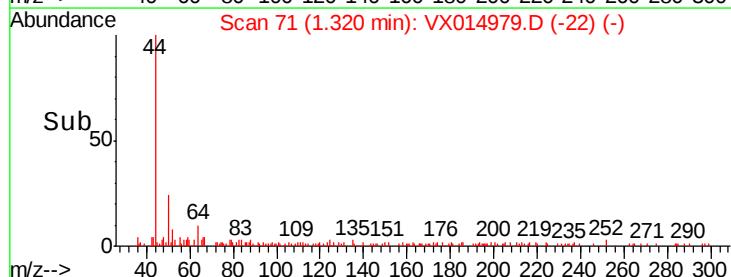
1500

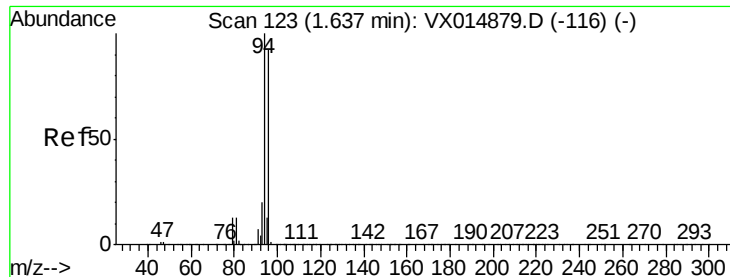
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.226 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014979.D

Acq: 20 Feb 2020 15:45

Instrument :

MSVOA_X

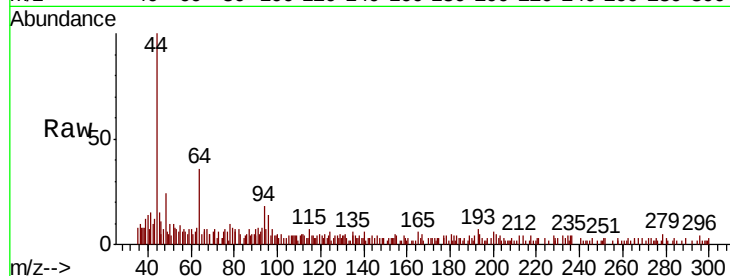
ClientSampleId :

Tot Ion: 94 Resp: 762

Ion Ratio Lower Upper

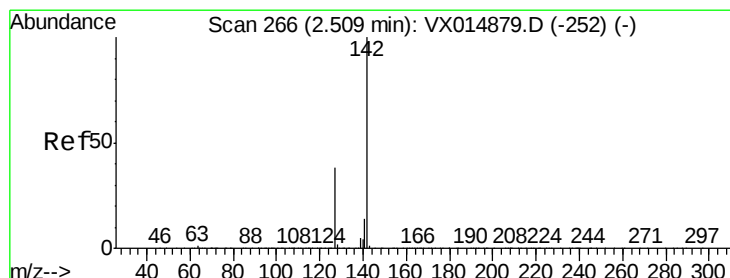
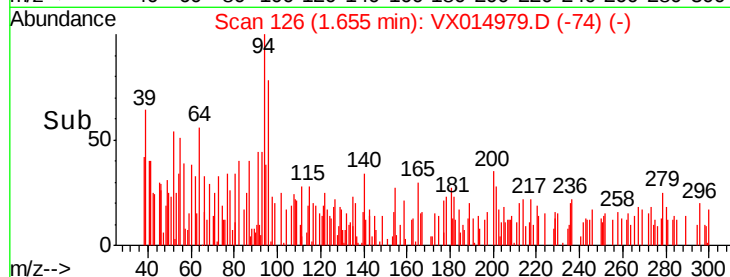
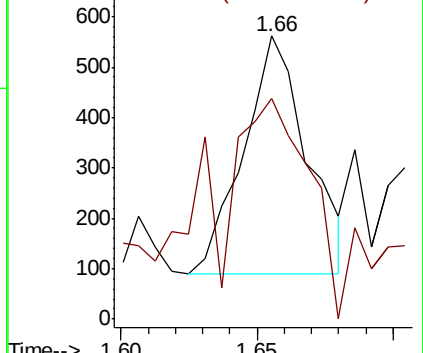
94 100

96 92.6 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.493 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX014979.D

Acq: 20 Feb 2020 15:45

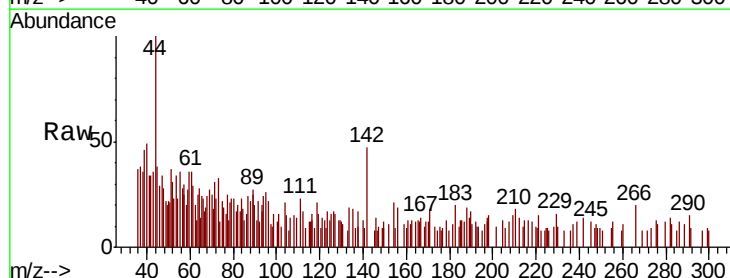
Tgt Ion: 142 Resp: 641

Ion Ratio Lower Upper

142 100

127 44.6 31.1 46.7

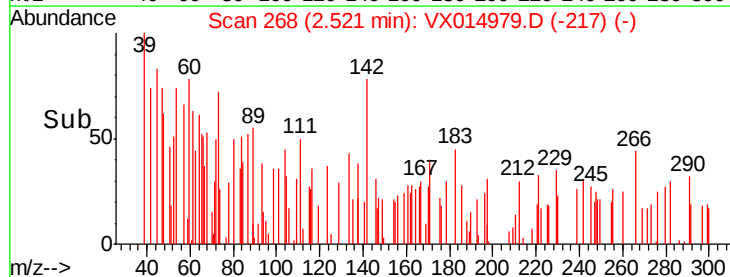
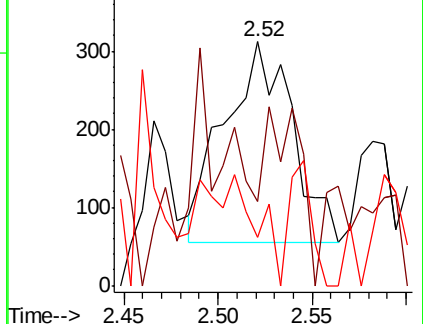
141 46.6 11.3 16.9#

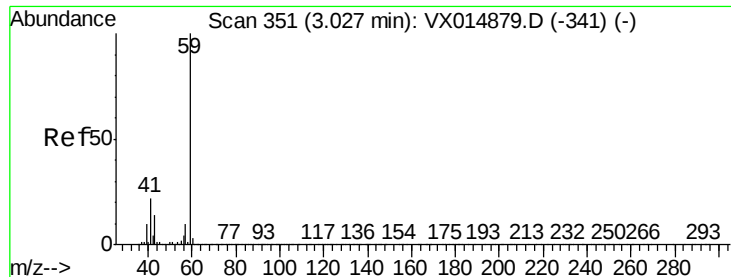


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



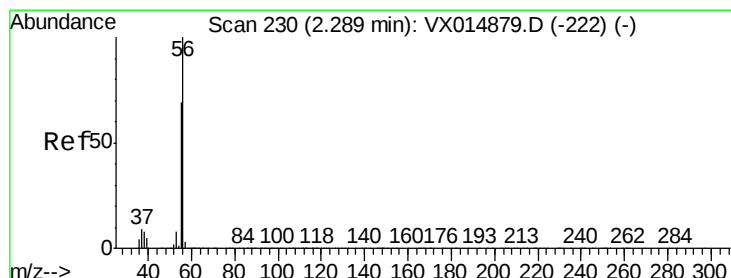
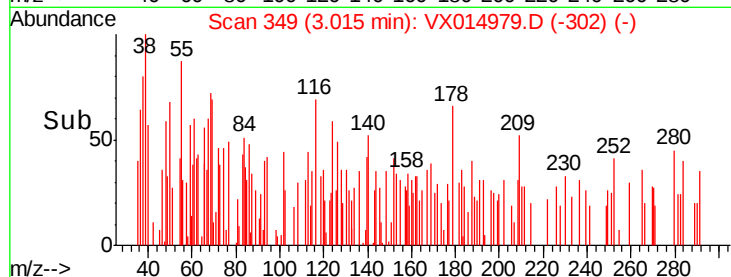
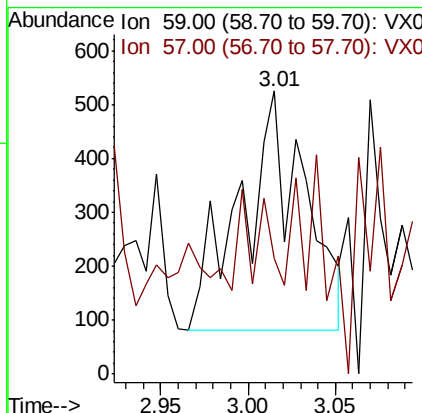
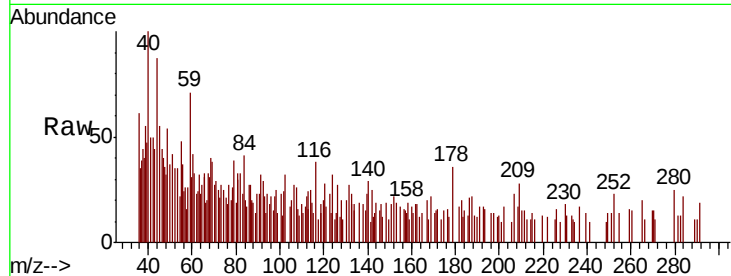


#11

Tert butyl alcohol
 Concen: 1.248 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VX014979.D
 Acq: 20 Feb 2020 15:45

Instrument :
 MSVOA_X
 ClientSampled :

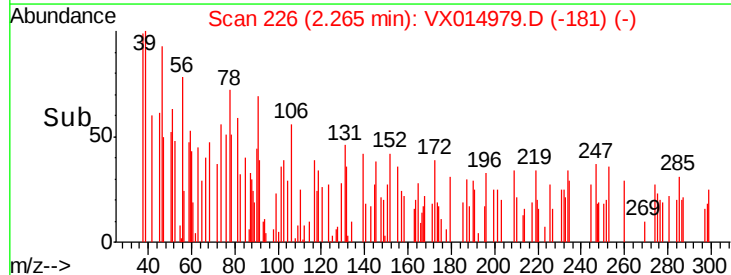
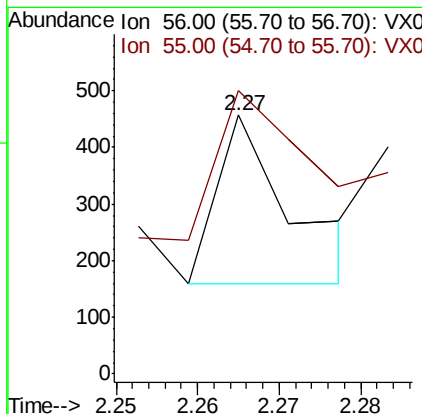
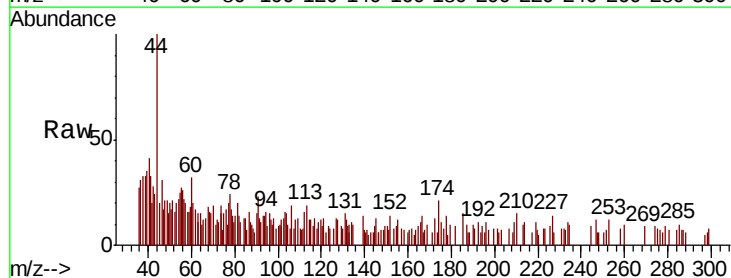
Tot Ion: 59 Resp: 1121
 Ion Ratio Lower Upper
 59 100
 57 6.8 8.2 12.4#

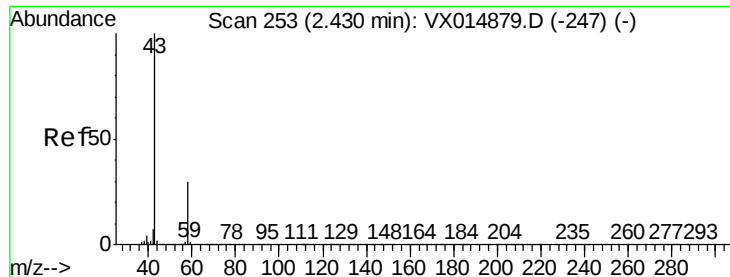


#13

Acrolein
 Concen: 0.273 ug/l
 RT: 2.27 min Scan# 226
 Delta R.T. -0.02 min
 Lab File: VX014979.D
 Acq: 20 Feb 2020 15:45

Tgt Ion: 56 Resp: 187
 Ion Ratio Lower Upper
 56 100
 55 159.4 55.0 82.4#

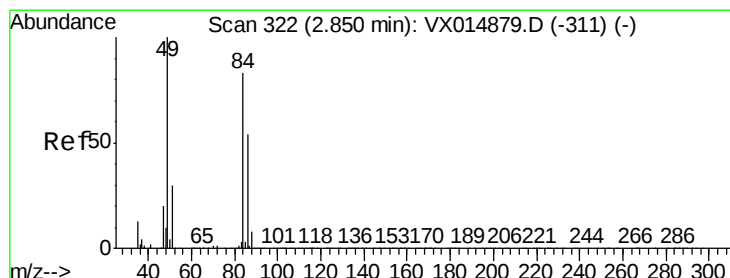
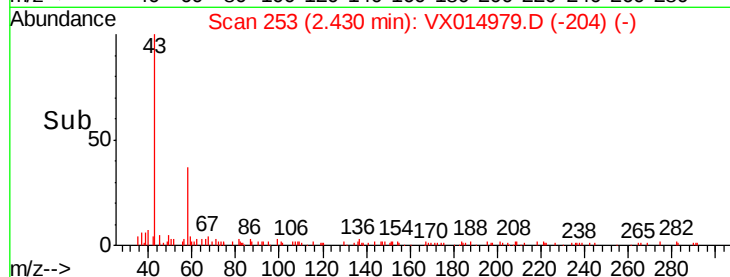
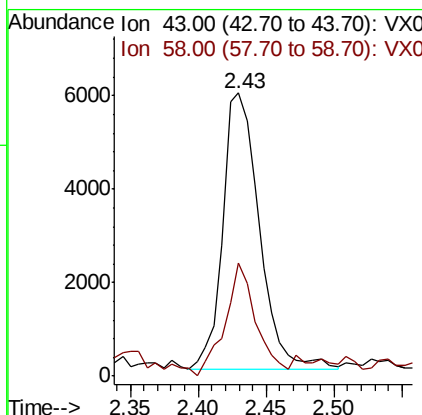
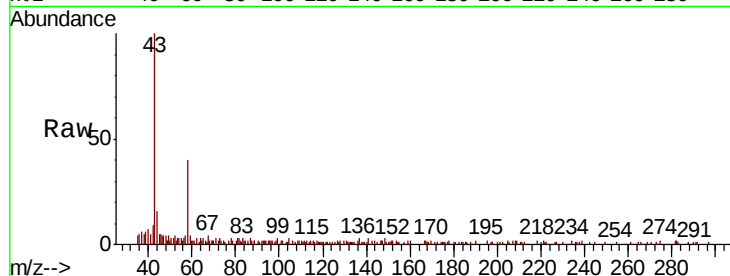




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014979.D
Acq: 20 Feb 2020 15:45

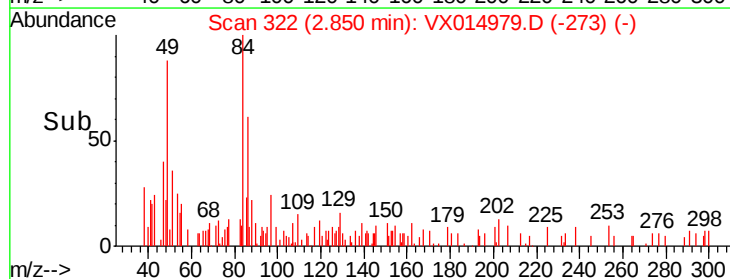
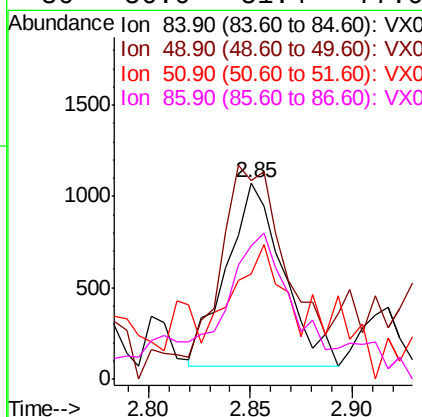
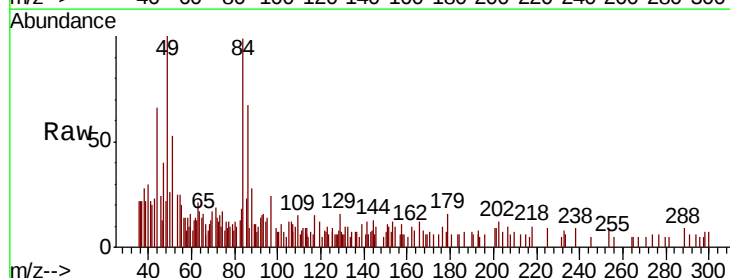
Instrument :
MSVOA_X
ClientSampleId :

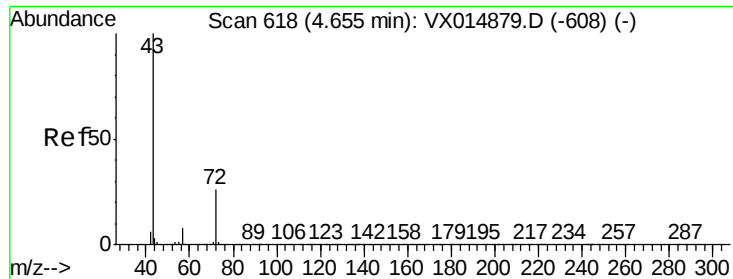
Tot Ion: 43 Resp: 11032
Ion Ratio Lower Upper
43 100
58 37.8 24.1 36.1#



#20
Methylene Chloride
Concen: 0.399 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014979.D
Acq: 20 Feb 2020 15:45

Tgt Ion: 84 Resp: 1955
Ion Ratio Lower Upper
84 100
49 96.4 95.6 143.4
51 16.7 29.0 43.6#
86 56.0 51.4 77.0





#25

2-Butanone

Concen: 0.871 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX014979.D

Acq: 20 Feb 2020 15:45

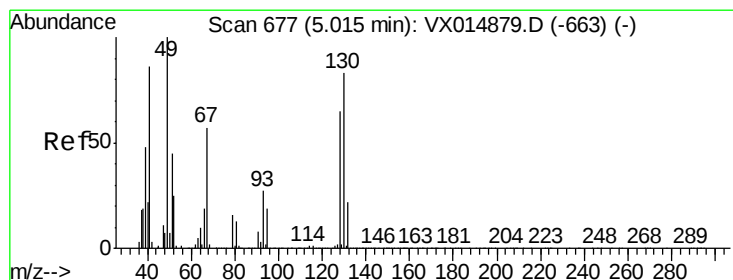
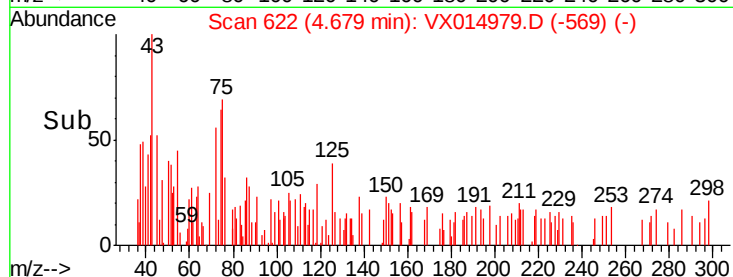
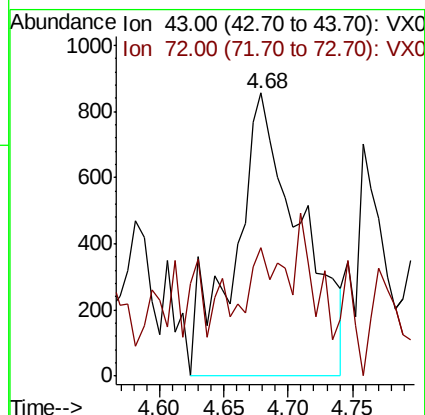
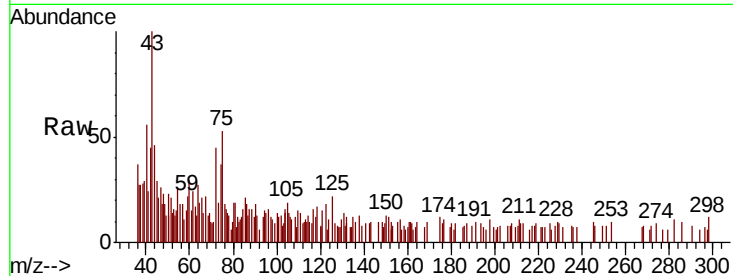
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 3016

Ion Ratio Lower Upper

43 100

72 25.6 21.0 31.6



#28

Bromochloromethane

Concen: 0.354 ug/l

RT: 5.04 min Scan# 681

Delta R.T. 0.02 min

Lab File: VX014979.D

Acq: 20 Feb 2020 15:45

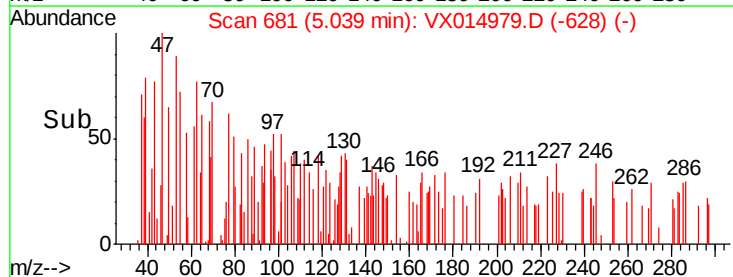
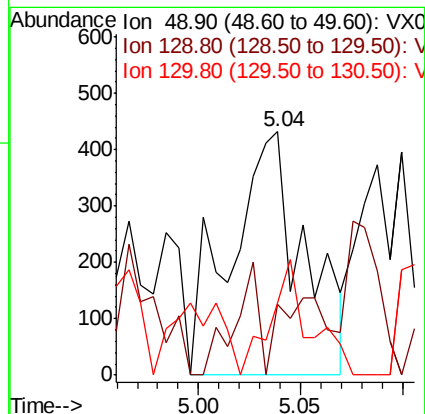
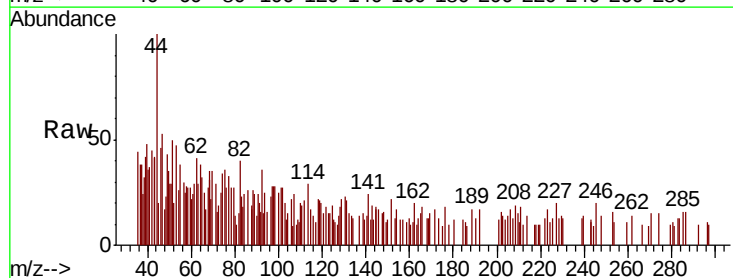
Tgt Ion: 49 Resp: 1083

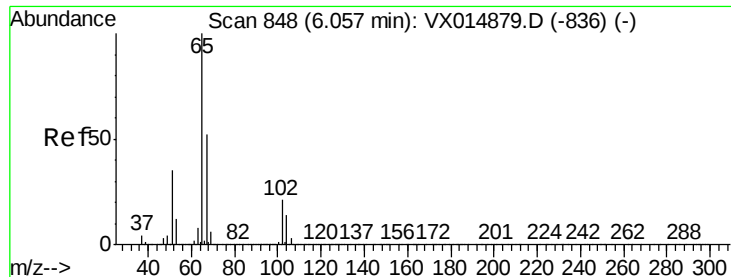
Ion Ratio Lower Upper

49 100

129 22.2 0.0 5.2#

130 24.9 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 49.843 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX014979.D

Acq: 20 Feb 2020 15:45

Instrument :

MSVOA_X

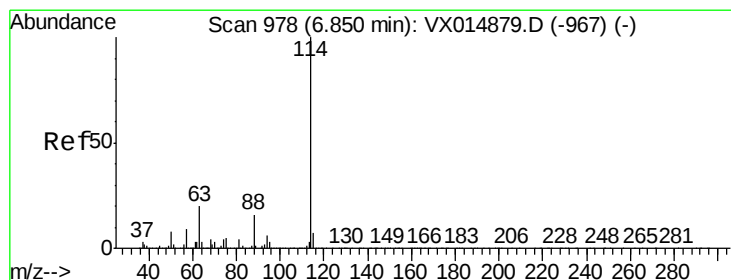
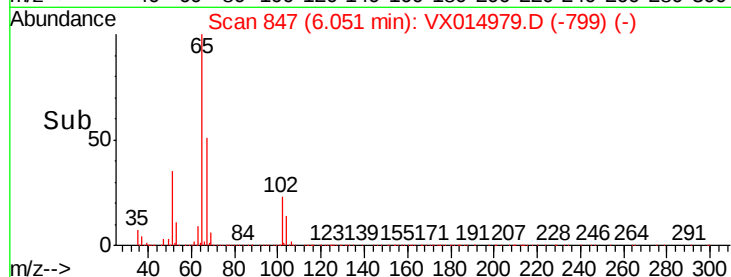
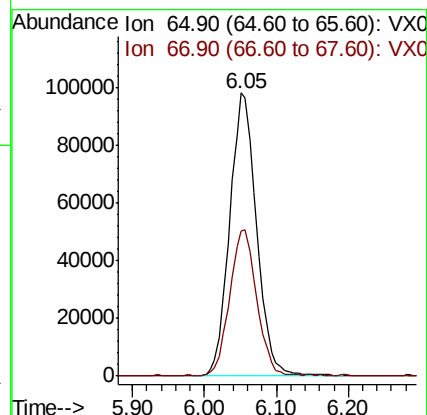
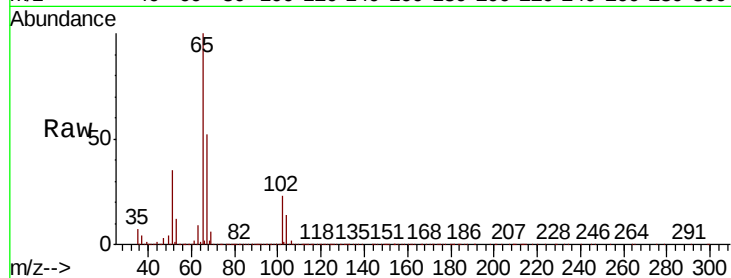
ClientSampled :

Tot Ion: 65 Resp: 253587

Ion Ratio Lower Upper

65 100

67 52.4 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: VX014979.D

Acq: 20 Feb 2020 15:45

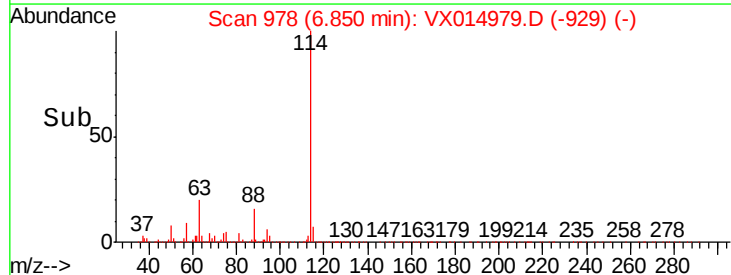
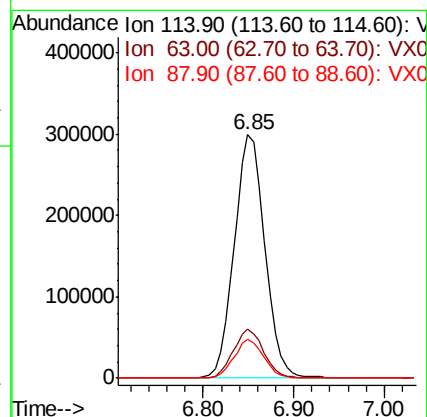
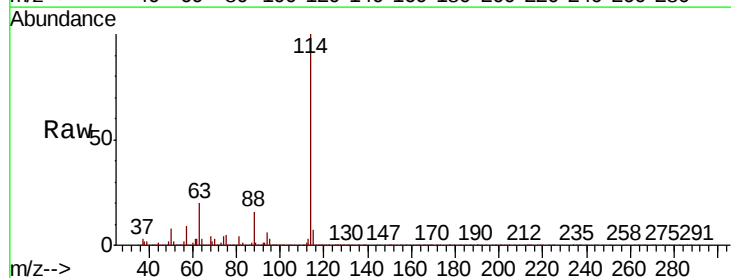
Tgt Ion: 114 Resp: 700657

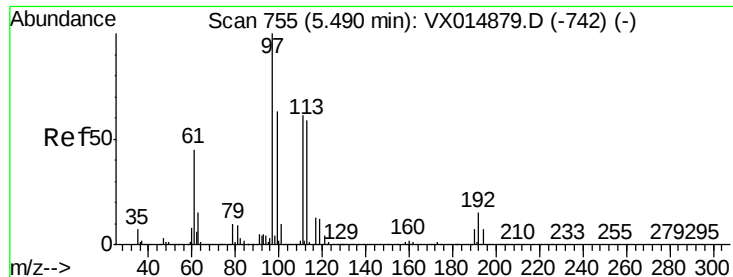
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.2

88 16.0 0.0 32.0

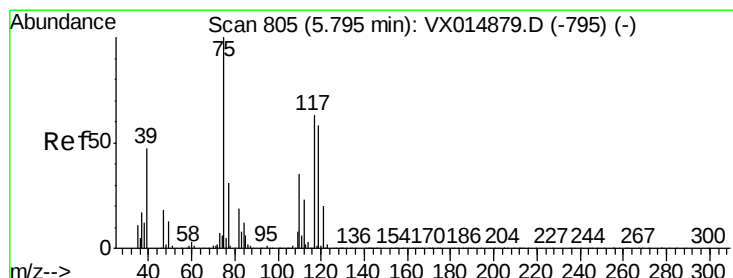
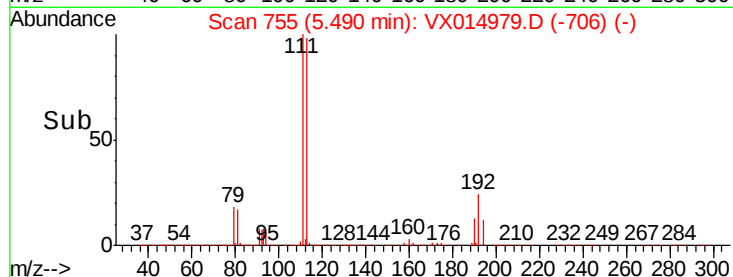
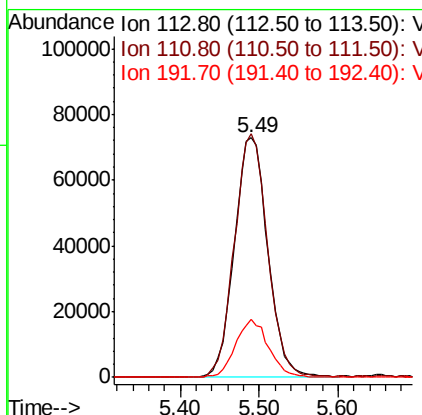
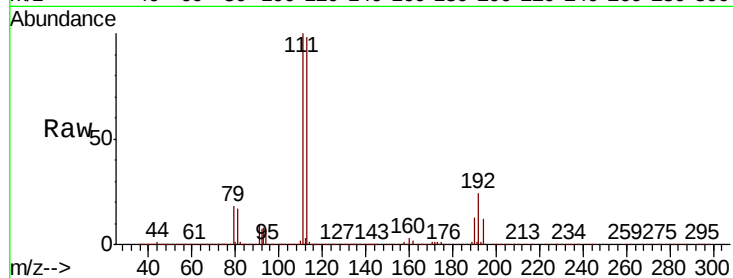




#35
 Dibromofluoromethane
 Concen: 49.736 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014979.D
 Acq: 20 Feb 2020 15:45

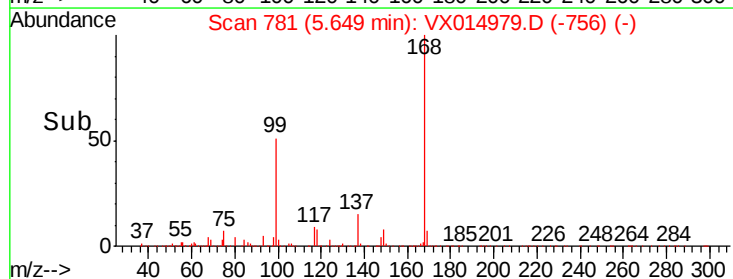
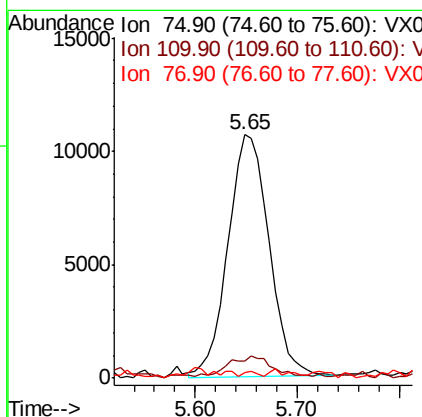
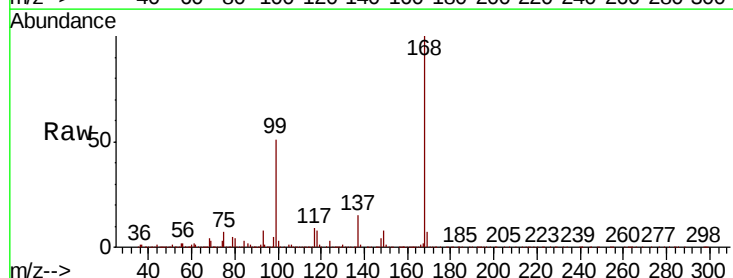
Instrument :
 MSVOA_X
 ClientSampleId :

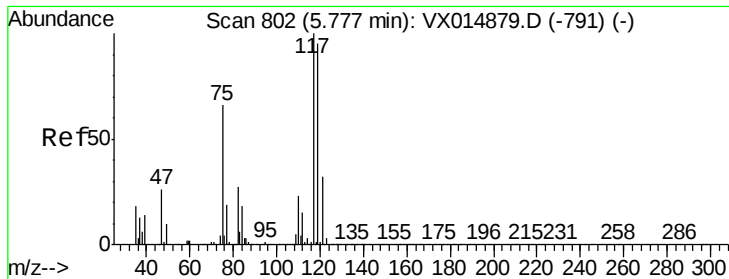
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.4	123.6
192	24.0	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.745 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014979.D
 Acq: 20 Feb 2020 15:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.3	54.8#
77	0.9	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.407 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014979.D

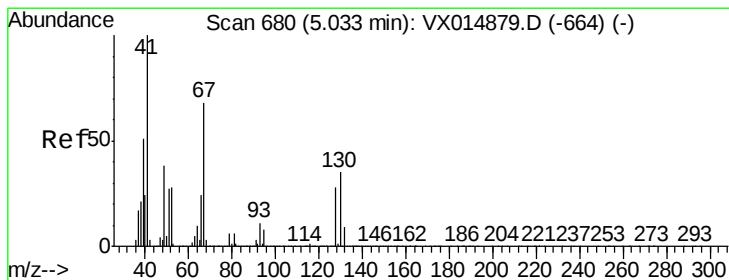
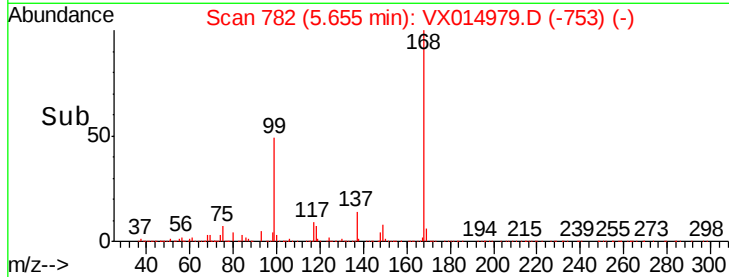
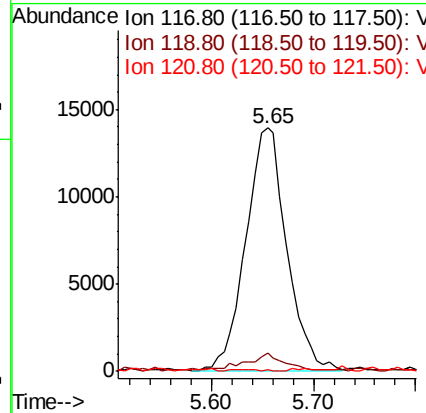
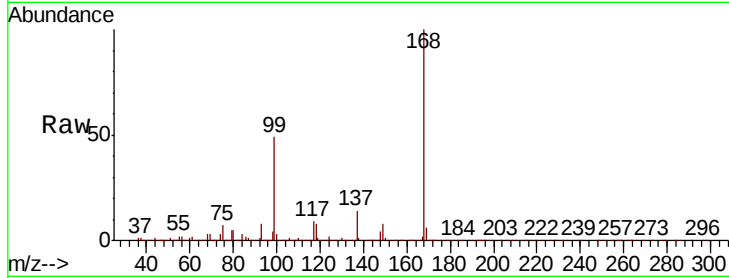
Acq: 20 Feb 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	117	Resp:	39135
Ion	Ratio	Lower	Upper
117	100		
119	6.8	76.0	114.0#
121	0.0	25.4	38.2#



#41

Methacrylonitrile

Concen: 0.202 ug/l

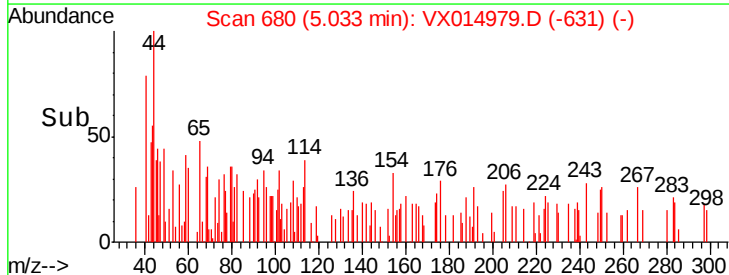
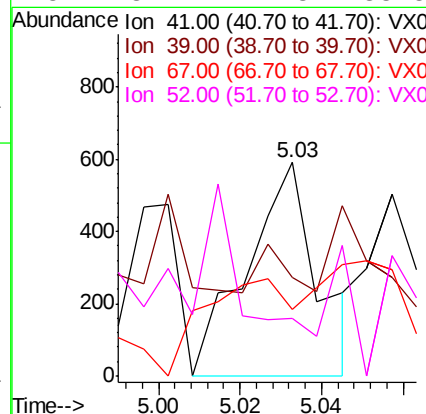
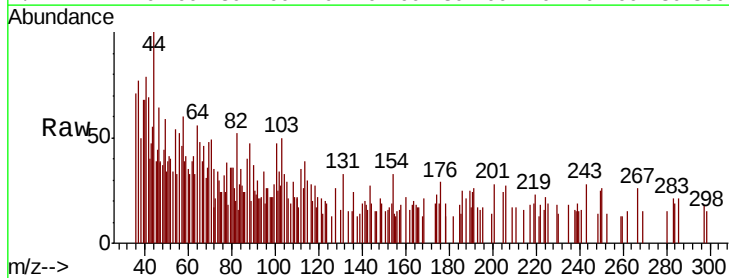
RT: 5.03 min Scan# 680

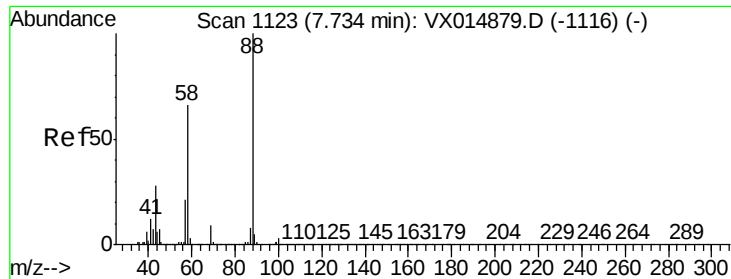
Delta R.T. 0.00 min

Lab File: VX014979.D

Acq: 20 Feb 2020 15:45

Tgt Ion:	41	Resp:	710
Ion	Ratio	Lower	Upper
41	100		
39	44.8	44.7	67.1
67	65.6	56.6	84.8
52	31.1	22.3	33.5





#49

1,4-Dioxane

Concen: 3.830 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX014979.D

Acq: 20 Feb 2020 15:45

Instrument :

MSVOA_X

ClientSampled :

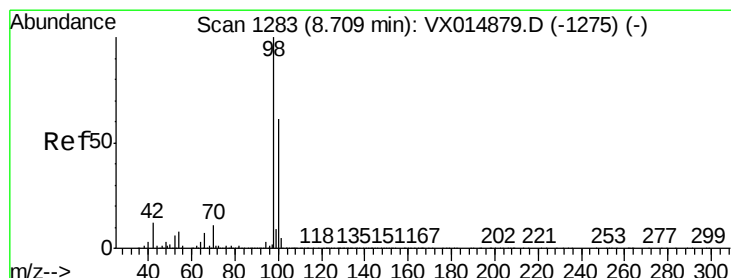
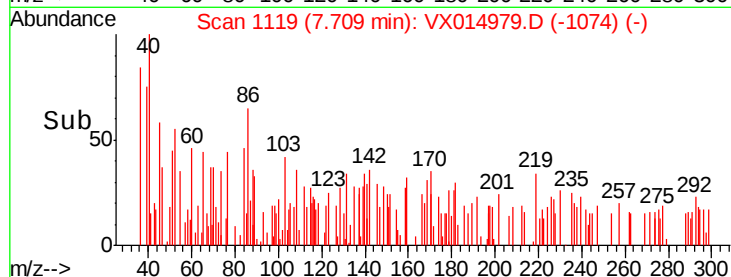
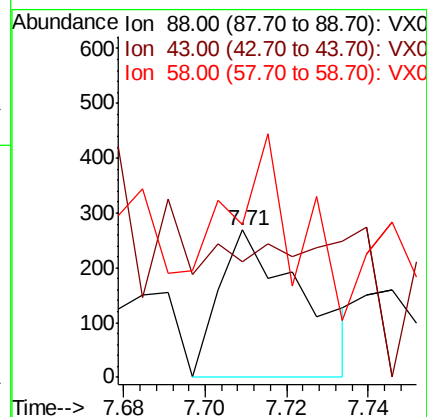
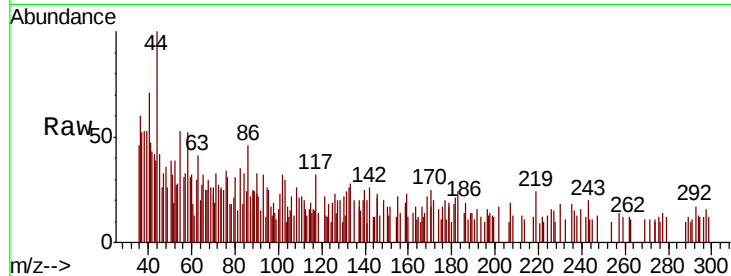
Tot Ion: 88 Resp: 380

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

58 98.7 53.2 79.8#



#50

Toluene-d8

Concen: 51.175 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014979.D

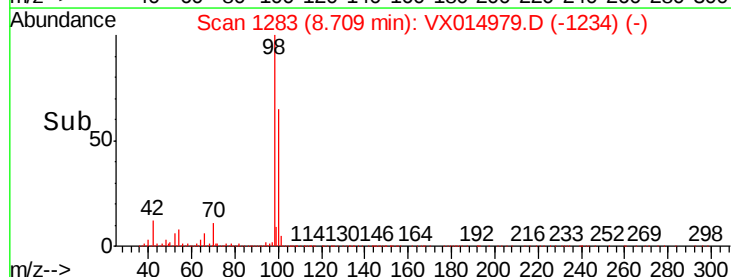
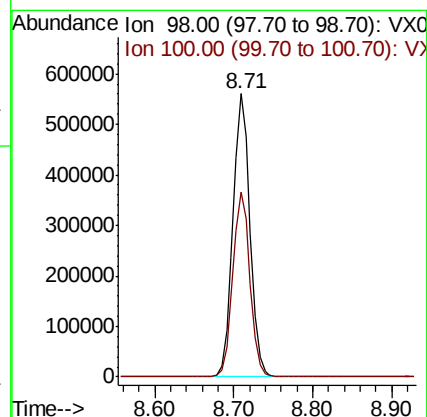
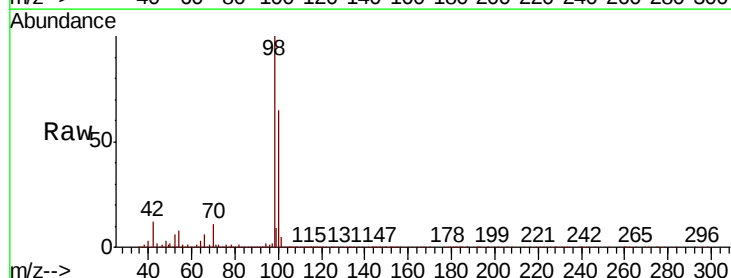
Acq: 20 Feb 2020 15:45

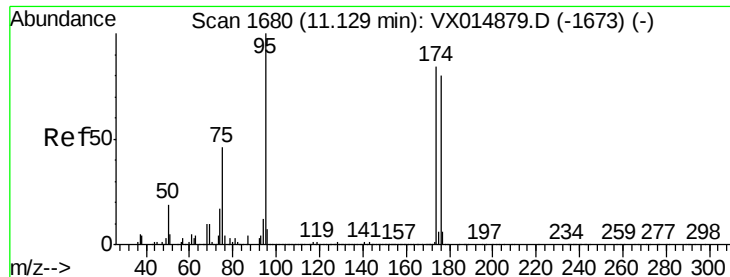
Tgt Ion: 98 Resp: 841418

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 54.711 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014979.D

Acq: 20 Feb 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

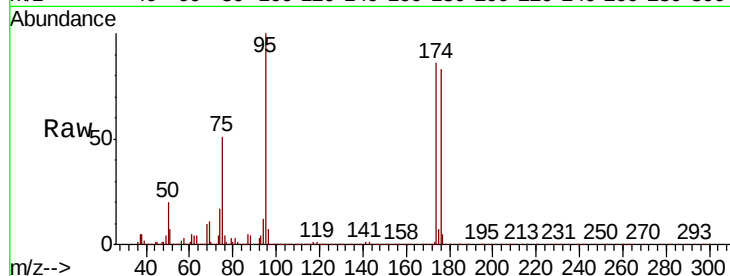
Tot Ion: 95 Resp: 324051

Ion Ratio Lower Upper

95 100

174 92.5 0.0 183.0

176 89.9 0.0 178.0

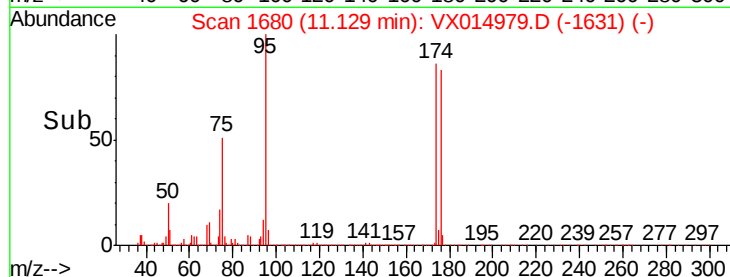


Abundance Ion 94.90 (94.60 to 95.60): VX014879.D (-1673) (-)

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

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

Time-->

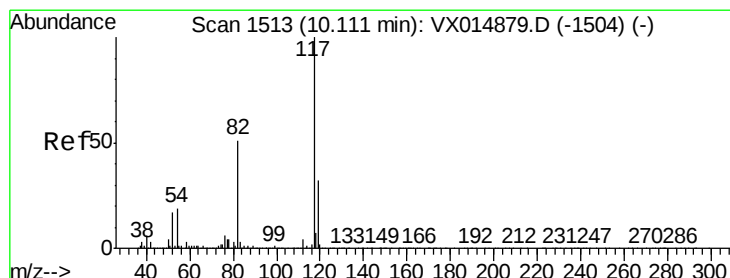


Abundance Ion 94.90 (94.60 to 95.60): VX014979.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX014979.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX014979.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014979.D

Acq: 20 Feb 2020 15:45

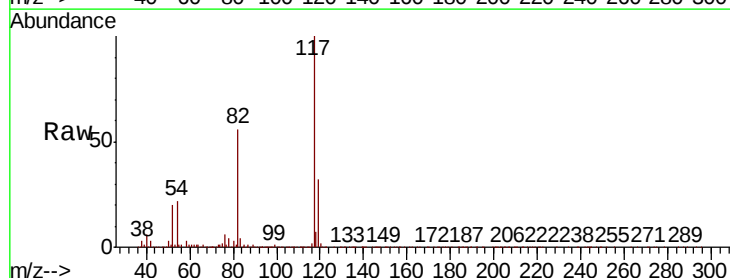
Tgt Ion: 117 Resp: 677759

Ion Ratio Lower Upper

117 100

82 55.6 40.5 60.7

119 32.2 25.8 38.6

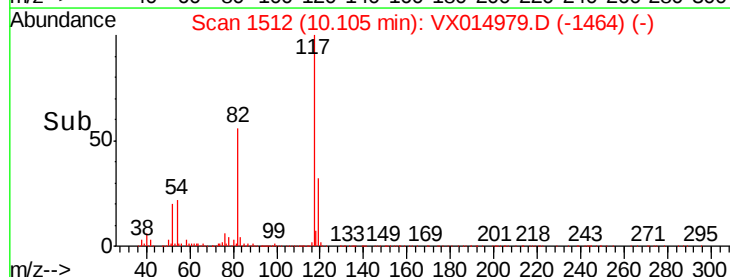


Abundance Ion 116.90 (116.60 to 117.60): VX014879.D (-1504) (-)

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

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

Time-->

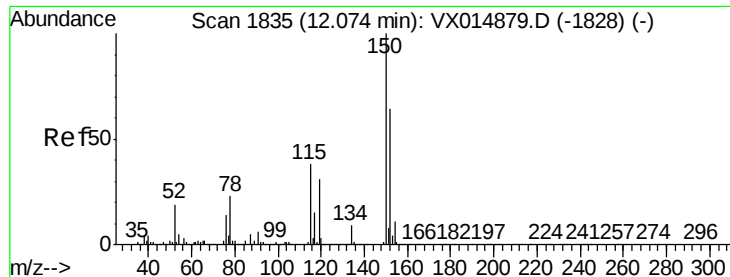


Abundance Ion 116.90 (116.60 to 117.60): VX014979.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014979.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014979.D (-1464) (-)

Time-->

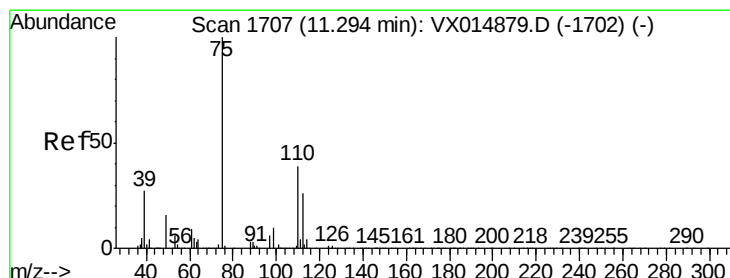
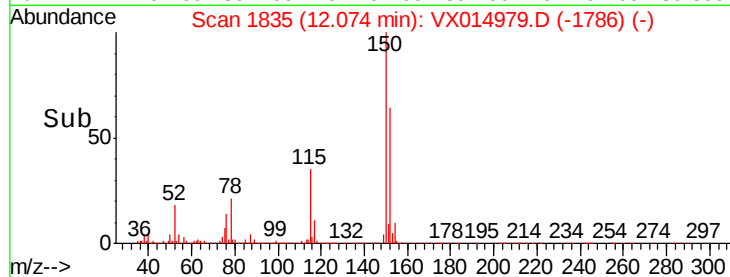
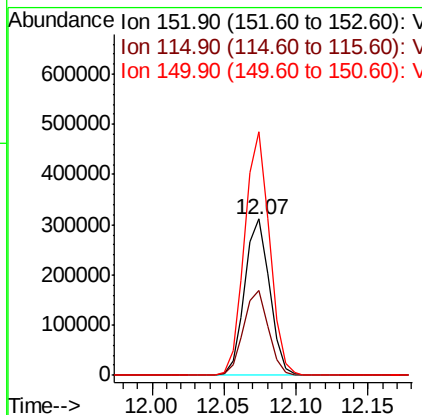
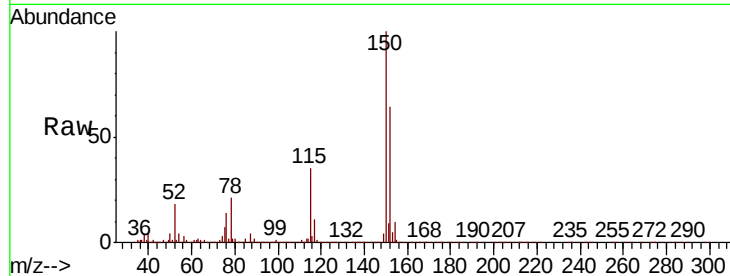


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014979.D
Acq: 20 Feb 2020 15:45

Instrument :
MSVOA_X
ClientSampleId :

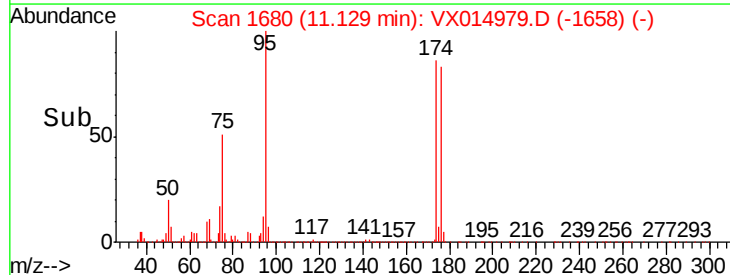
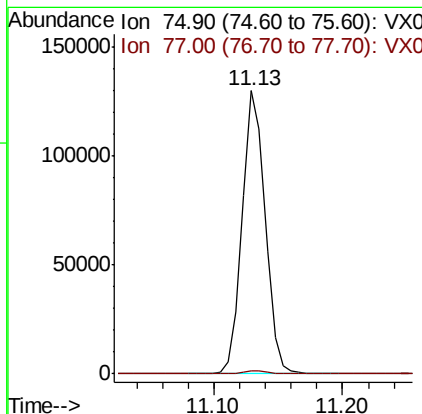
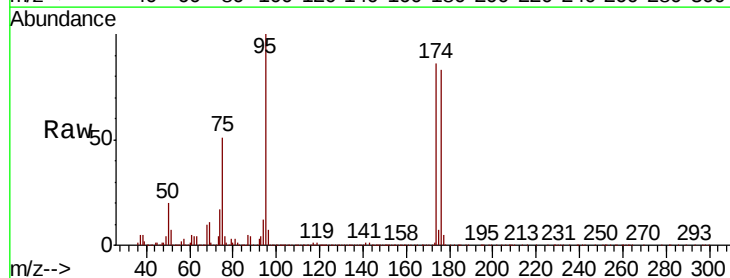
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.7	38.6	116.0
150	156.3	0.0	349.0

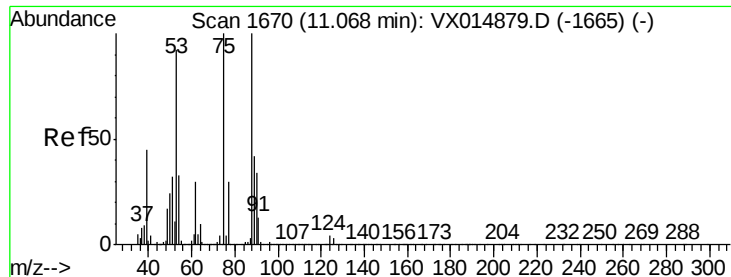


#76

1,2,3-Trichloropropane
Concen: 23.764 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014979.D
Acq: 20 Feb 2020 15:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	18.4	55.0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.827 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014979.D

Acq: 20 Feb 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

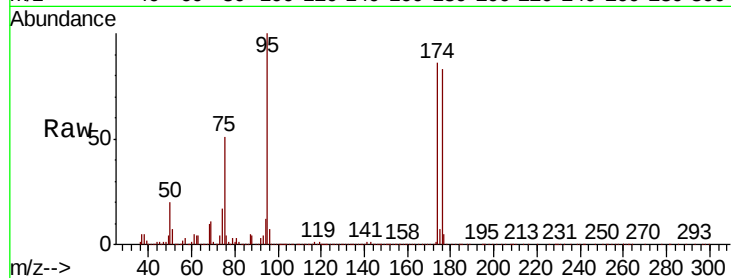
Tot Ion: 75 Resp: 160169

Ion Ratio Lower Upper

75 100

53 0.3 76.2 114.2#

89 0.0 35.8 53.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

