

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021220\
 Data File : VX014921.D
 Acq On : 12 Feb 2020 13:31
 Operator : JC/SP
 Sample : L1495-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 13 03:34:24 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

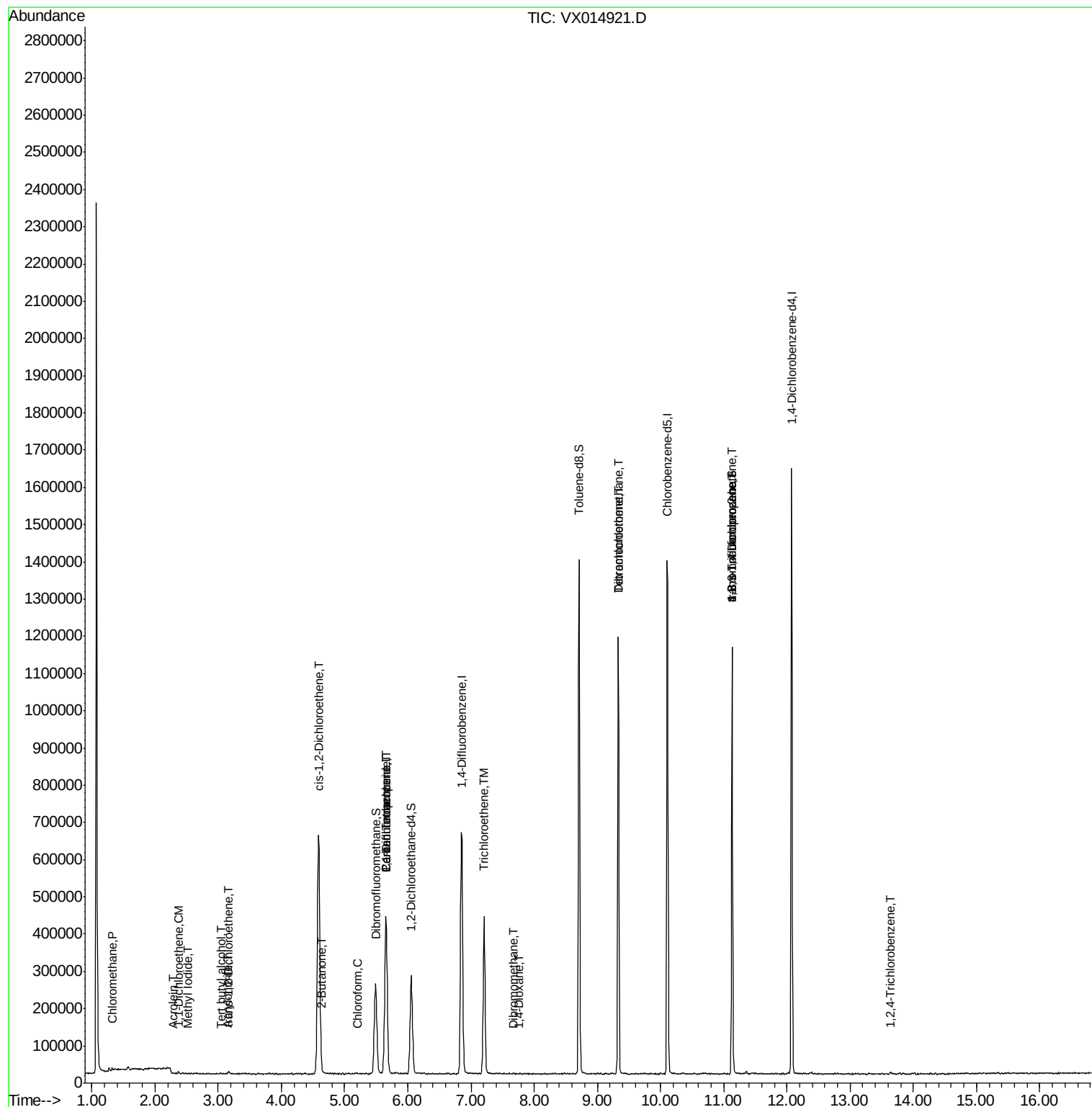
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	437475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	678282	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	652516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	338667	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	249226	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
35) Dibromofluoromethane	5.49	113	207034	49.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.30%	
50) Toluene-d8	8.71	98	812387	51.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.13	95	301130	52.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.04%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	2862	0.609	ug/l	96
10) Methyl Iodide	2.51	142	1334	4.635	ug/l #	54
11) Tert butyl alcohol	3.03	59	270	0.310	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	1426	0.356	ug/l	92
13) Acrolein	2.28	56	455	0.685	ug/l	96
15) Acrylonitrile	3.14	53	623	0.282	ug/l #	83
16) Acetone	2.44	43	1735	Below Cal	#	67
21) trans-1,2-Dichloroethene	3.17	96	2378	0.537	ug/l	88
25) 2-Butanone	4.64	43	766	0.228	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	408701	82.633	ug/l	89
30) Chloroform	5.22	83	2060	0.271	ug/l	86
36) 1,1-Dichloropropene	5.65	75	27812	4.584	ug/l #	53
38) Carbon Tetrachloride	5.65	117	38688	6.543	ug/l #	16
44) Trichloroethene	7.21	130	169598	32.227	ug/l	95
46) Dibromomethane	7.67	93	663	0.210	ug/l #	38
49) 1,4-Dioxane	7.76	88	336	3.498	ug/l #	44
60) Dibromochloromethane	9.33	129	204378	40.768	ug/l #	12
64) Tetrachloroethene	9.33	164	231800	37.995	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	149255	24.371	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	149255	62.383	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	1703	0.221	ug/l	94

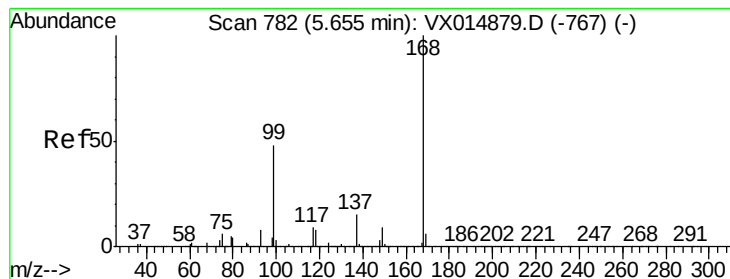
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.00 min

Lab File: VX014921.D

Acq: 12 Feb 2020 13:31

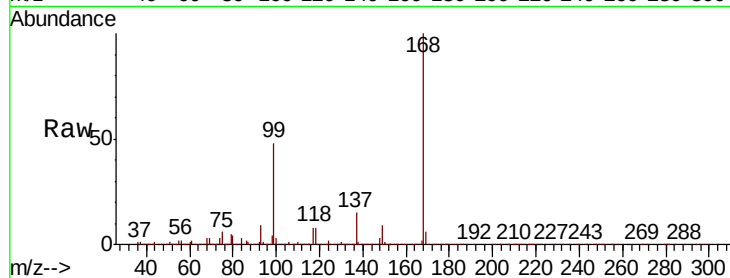
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 437475

Ion Ratio Lower Upper

168 100

99 47.7 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

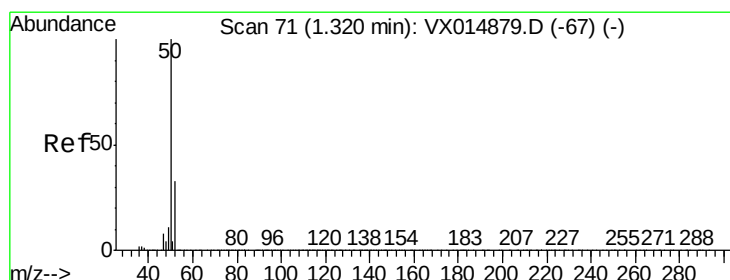
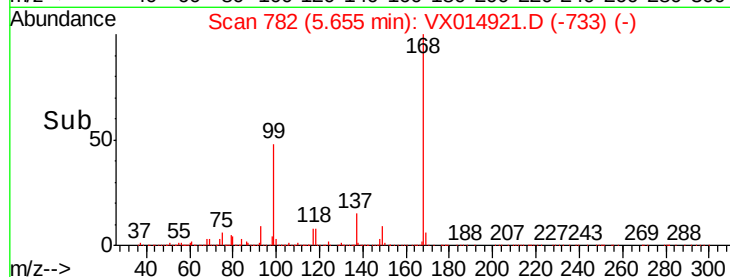
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.609 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014921.D

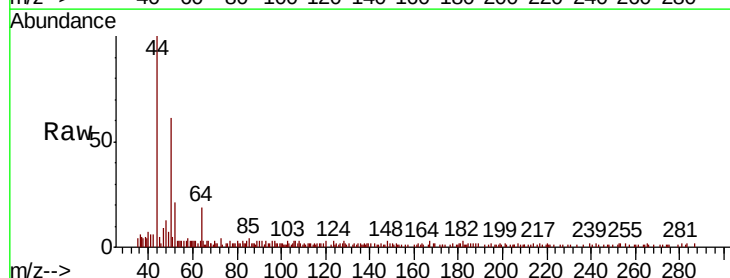
Acq: 12 Feb 2020 13:31

Tgt Ion: 50 Resp: 2862

Ion Ratio Lower Upper

50 100

52 30.5 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

4000

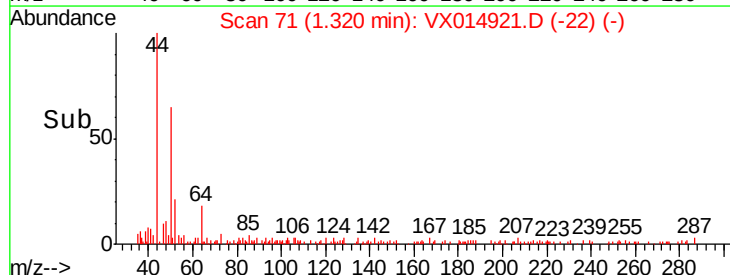
3000

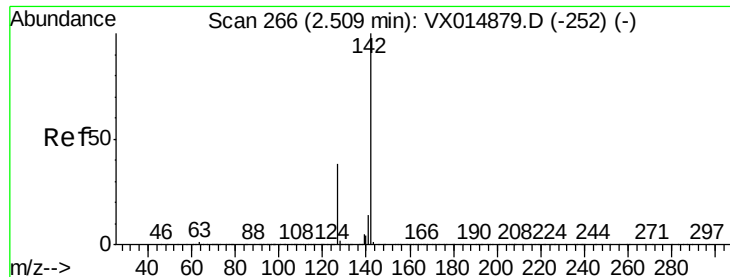
2000

1000

0

Time-->

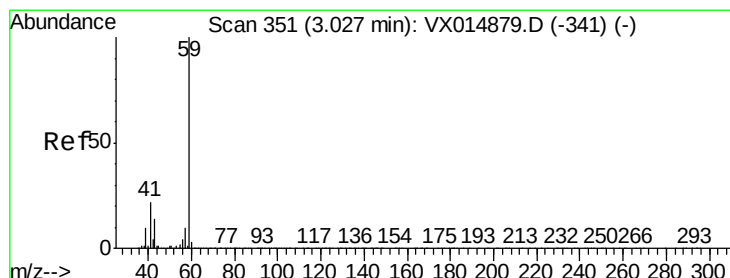
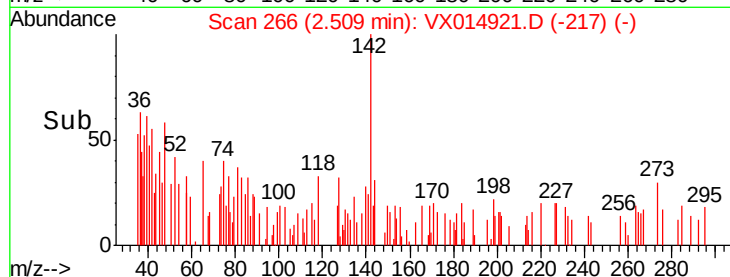
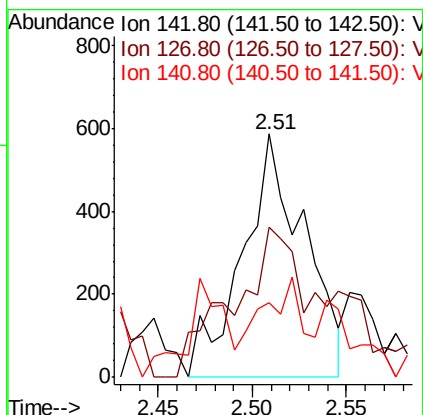
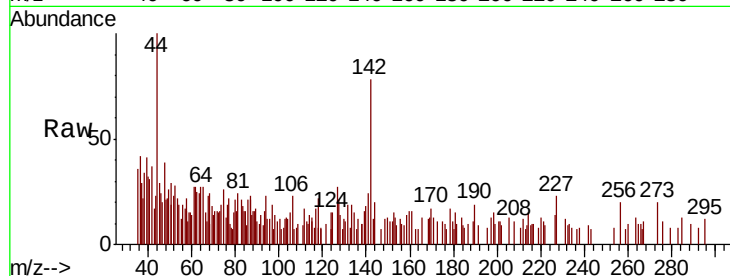




#10
Methvl Iodide
Concen: 4.635 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX014921.D
Acq: 12 Feb 2020 13:31

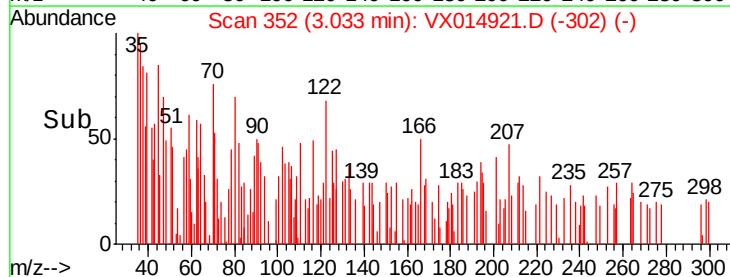
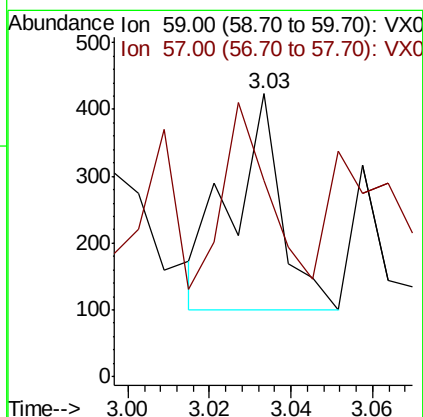
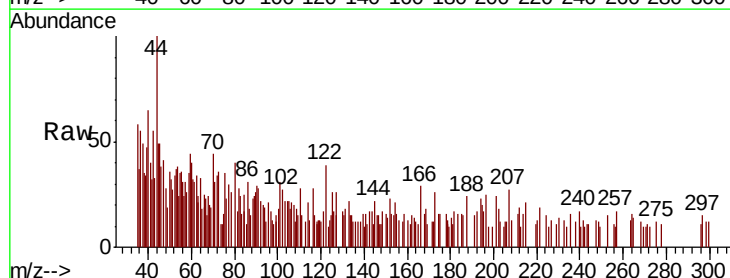
Instrument :
MSVOA_X
ClientSampleId :

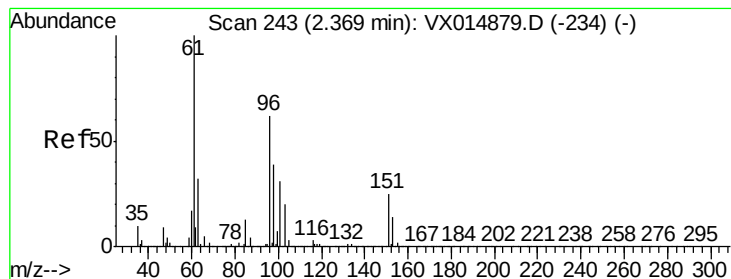
Tot Ion:142 Resp: 1334
Ion Ratio Lower Upper
142 100
127 73.1 31.1 46.7#
141 22.3 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.310 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX014921.D
Acq: 12 Feb 2020 13:31

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 80.7 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.356 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX014921.D

Acq: 12 Feb 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

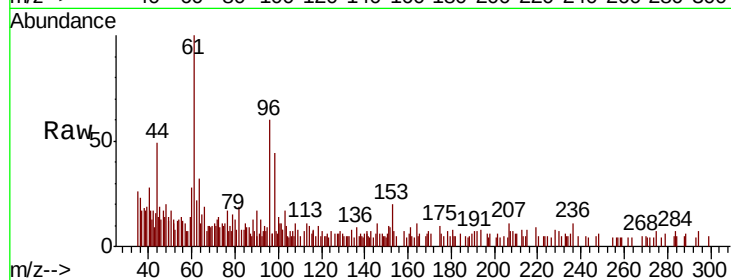
Tot Ion: 96 Resp: 1426

Ion Ratio Lower Upper

96 100

61 152.5 129.5 194.3

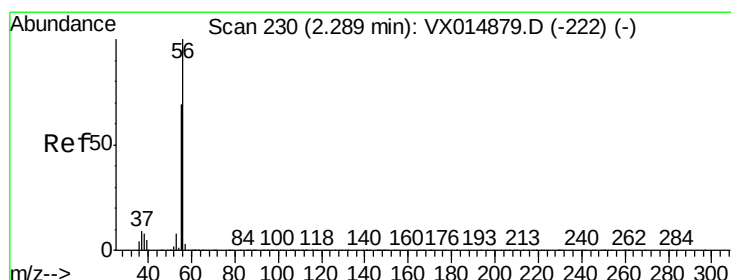
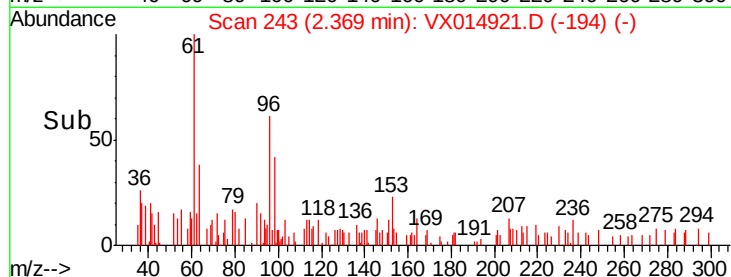
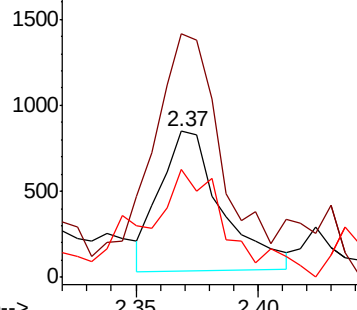
98 71.6 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.685 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX014921.D

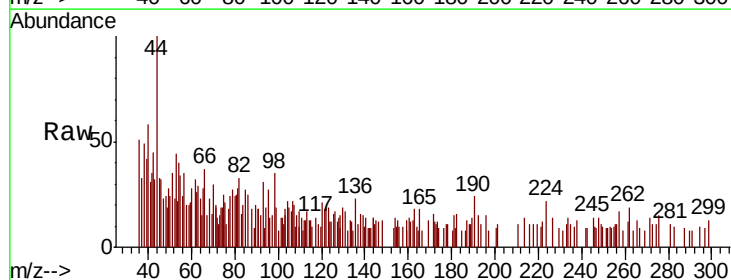
Acq: 12 Feb 2020 13:31

Tgt Ion: 56 Resp: 455

Ion Ratio Lower Upper

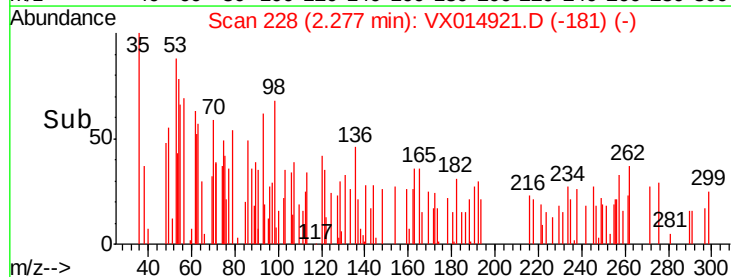
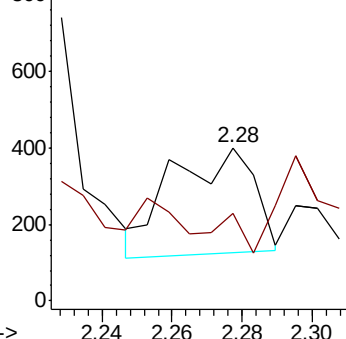
56 100

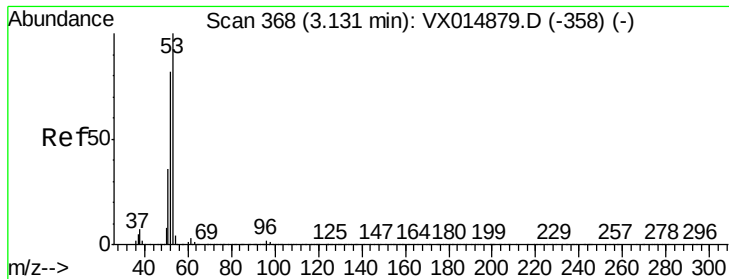
55 71.6 55.0 82.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.282 ug/l

RT: 3.14 min Scan# 370

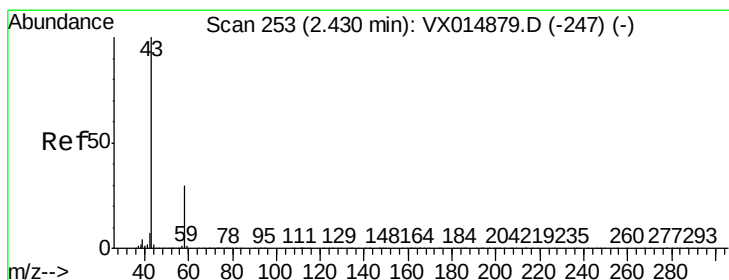
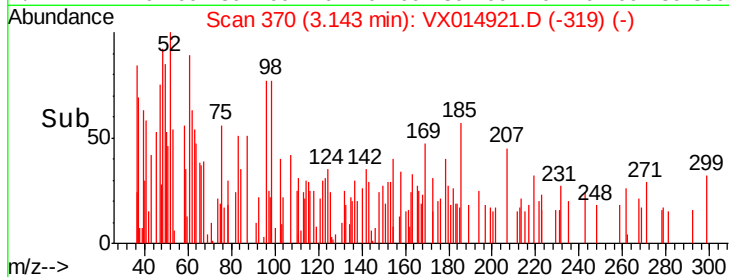
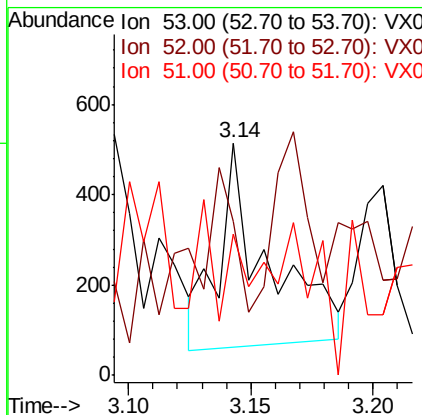
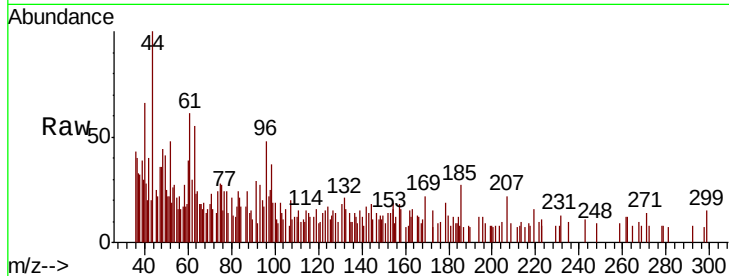
Delta R.T. 0.01 min

Lab File: VX014921.D

Acq: 12 Feb 2020 13:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	53	Resp:	623
Ion	Ratio	Lower	Upper
53	100		
52	90.7	65.8	98.6
51	15.9	29.1	43.7#



#16

Acetone

Concen: Below Cal

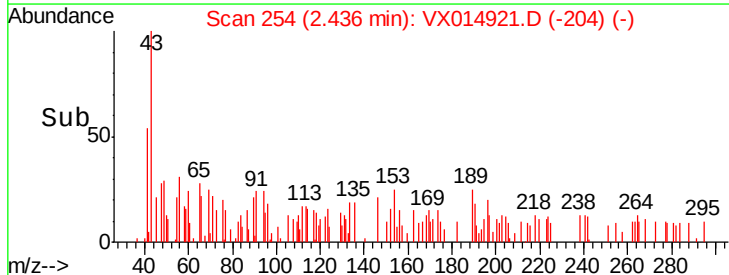
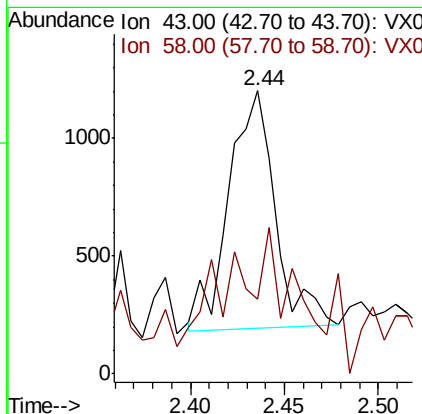
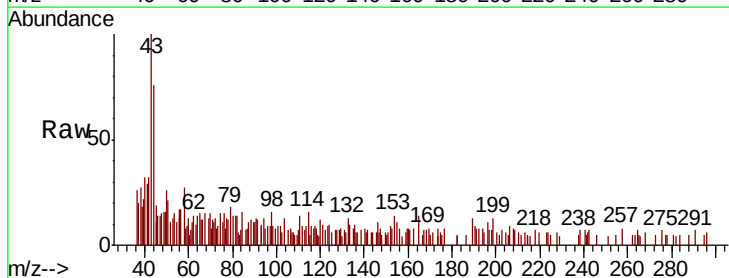
RT: 2.44 min Scan# 254

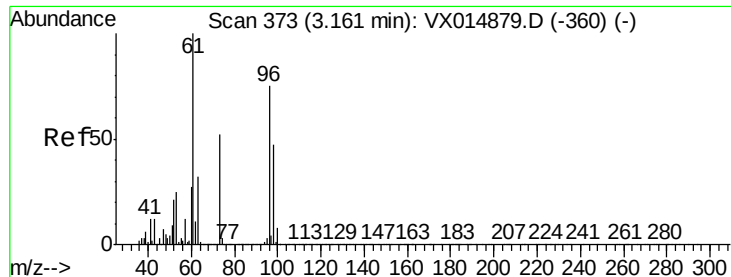
Delta R.T. 0.01 min

Lab File: VX014921.D

Acq: 12 Feb 2020 13:31

Tgt Ion:	43	Resp:	1735
Ion	Ratio	Lower	Upper
43	100		
58	12.4	24.1	36.1#





#21

trans-1,2-Dichloroethene

Concen: 0.537 ug/l

RT: 3.17 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX014921.D

Acq: 12 Feb 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

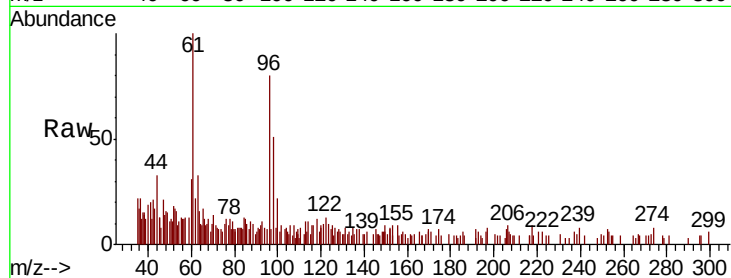
Tot Ion: 96 Resp: 2378

Ion Ratio Lower Upper

96 100

61 116.5 106.9 160.3

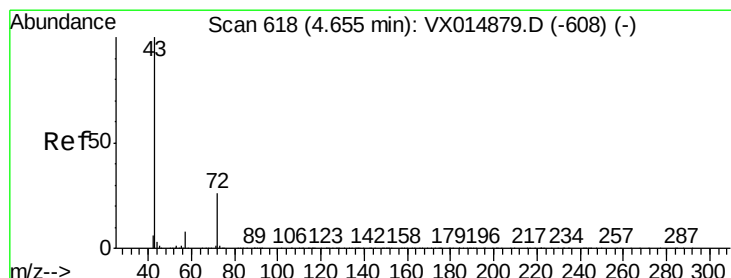
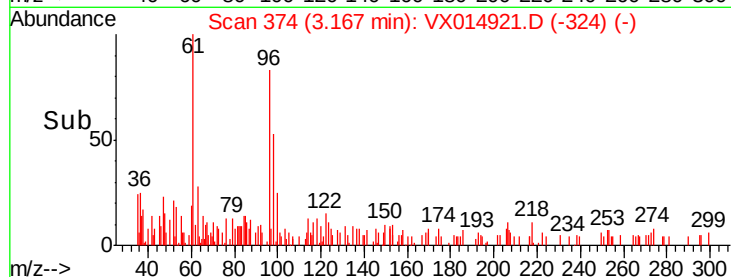
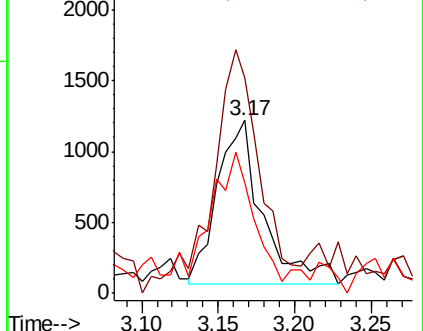
98 57.7 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.228 ug/l

RT: 4.64 min Scan# 615

Delta R.T. -0.02 min

Lab File: VX014921.D

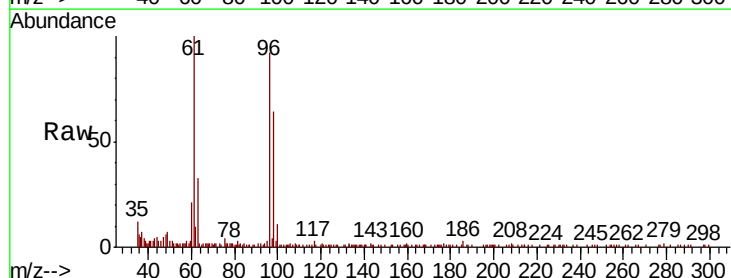
Acq: 12 Feb 2020 13:31

Tgt Ion: 43 Resp: 766

Ion Ratio Lower Upper

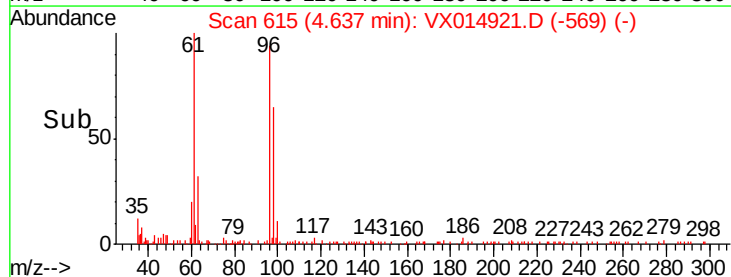
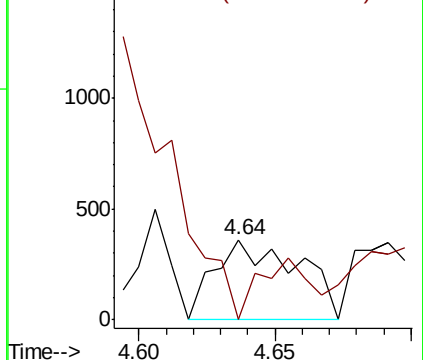
43 100

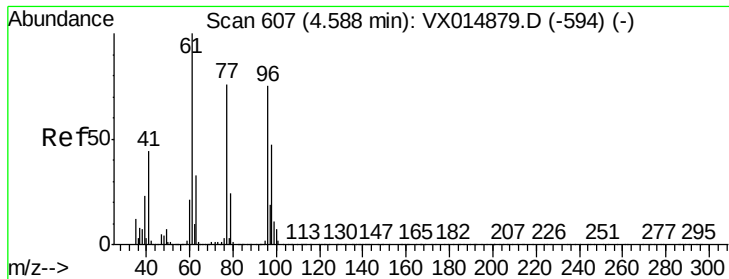
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



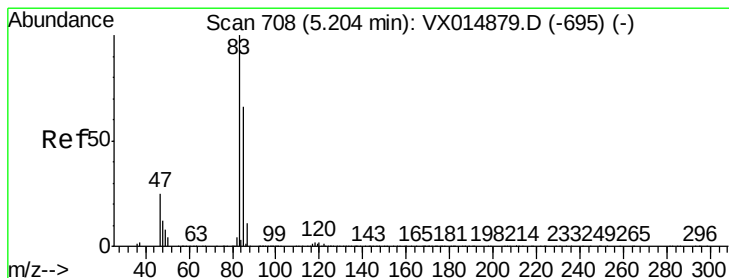
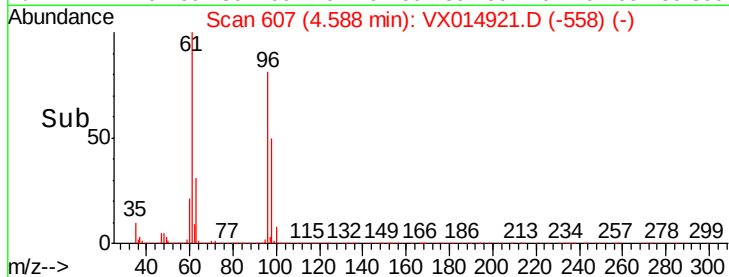
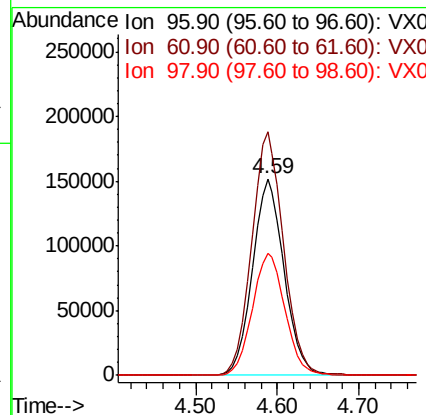


#27

cis-1,2-Dichloroethene
Concen: 82.633 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014921.D
Acq: 12 Feb 2020 13:31

Instrument :
MSVOA_X
ClientSampled :

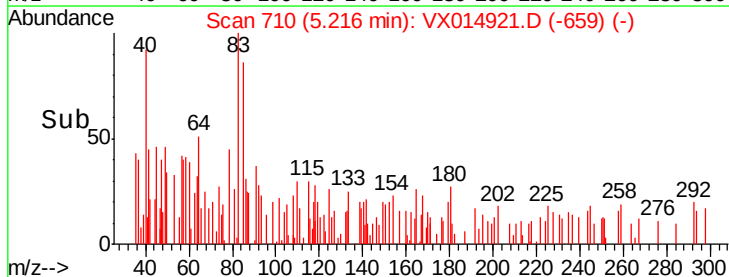
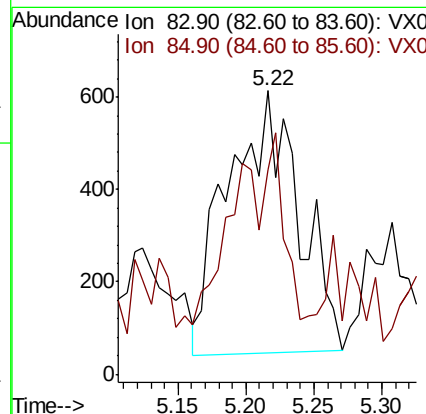
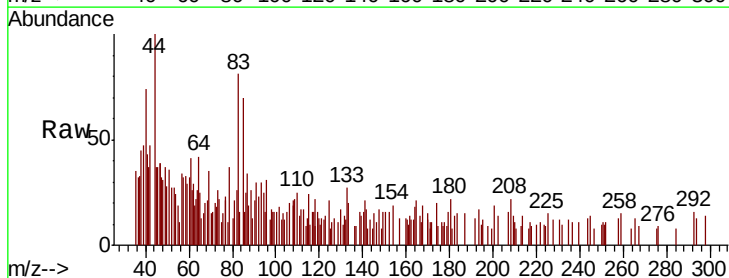
Tot Ion	Ratio	Lower	Upper
96	100		
61	124.5	0.0	286.2
98	64.2	0.0	131.0

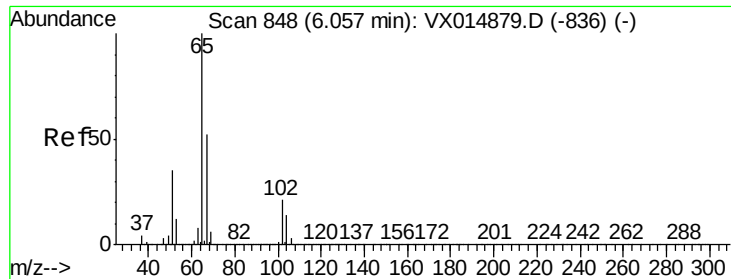


#30

Chloroform
Concen: 0.271 ug/l
RT: 5.22 min Scan# 710
Delta R.T. 0.01 min
Lab File: VX014921.D
Acq: 12 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	77.6	52.9	79.3

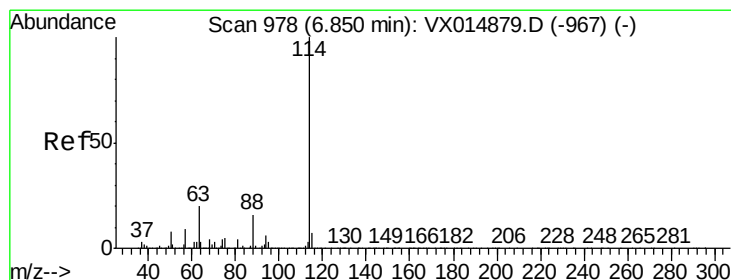
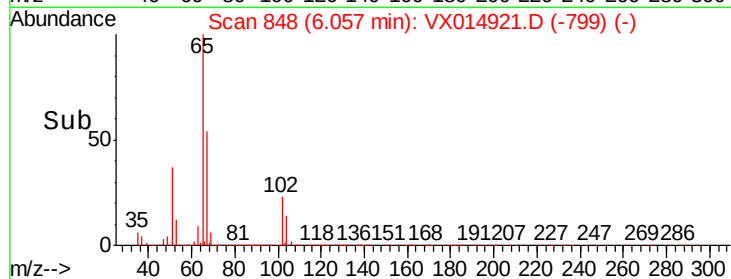
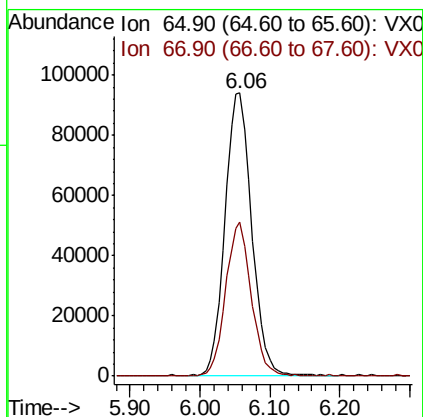
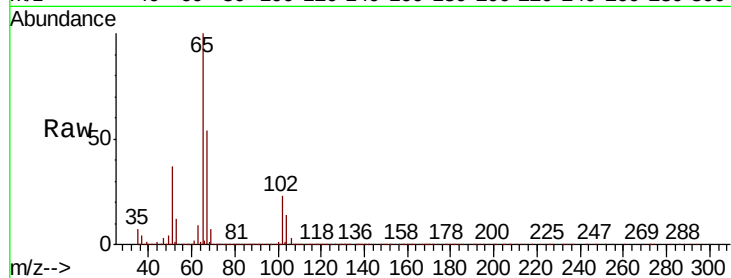




#33
 1,2-Dichloroethane-d4
 Concen: 50.479 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX014921.D
 Acq: 12 Feb 2020 13:31

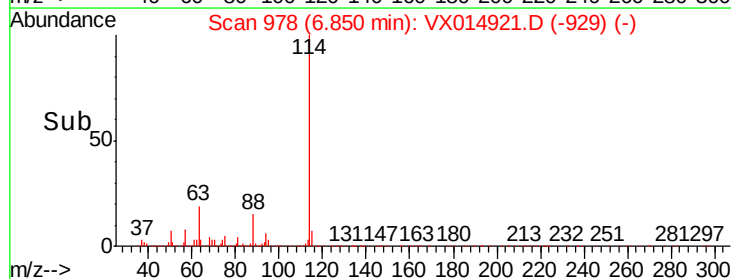
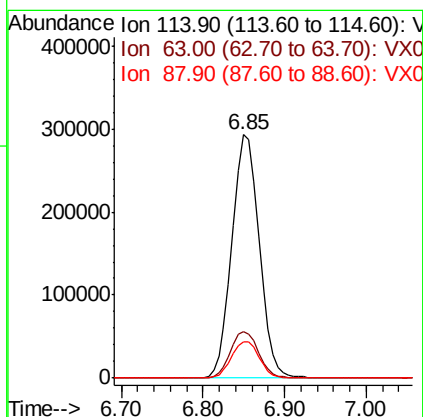
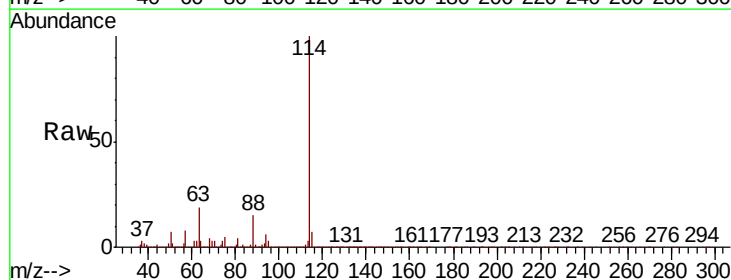
Instrument :
 MSVOA_X
 ClientSampled :

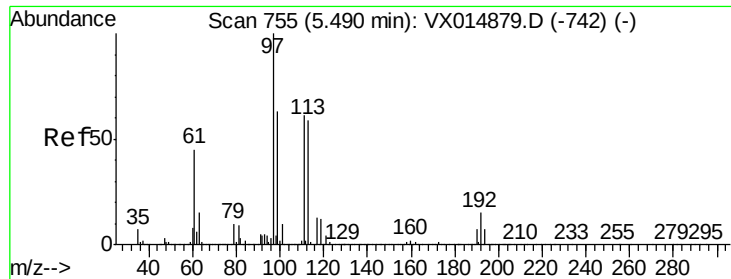
Tot Ion: 65 Resp: 249226
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014921.D
 Acq: 12 Feb 2020 13:31

Tgt Ion: 114 Resp: 678282
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.2
 88 14.6 0.0 32.0

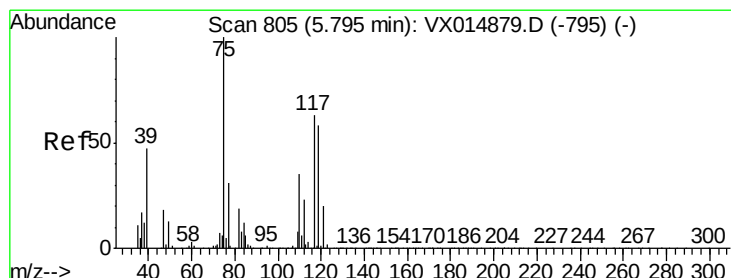
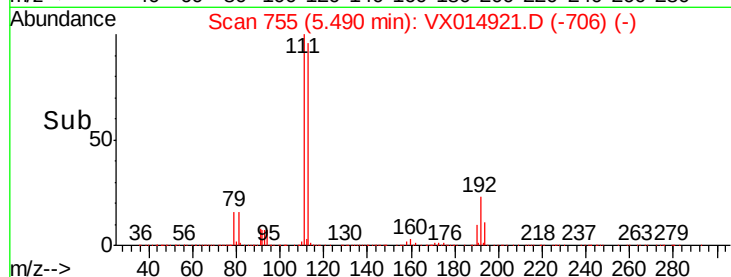
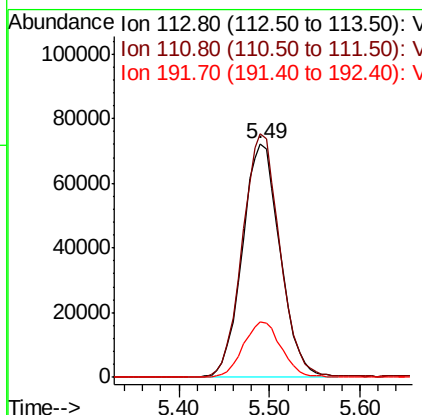
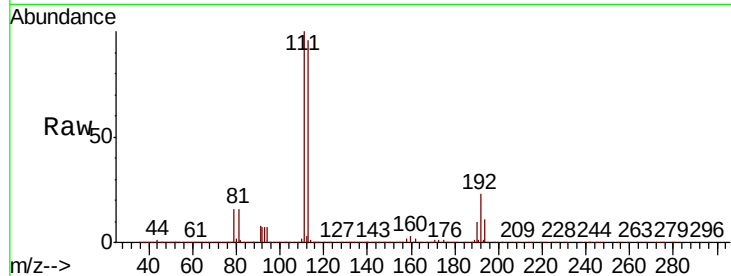




#35
 Dibromofluoromethane
 Concen: 49.649 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014921.D
 Acq: 12 Feb 2020 13:31

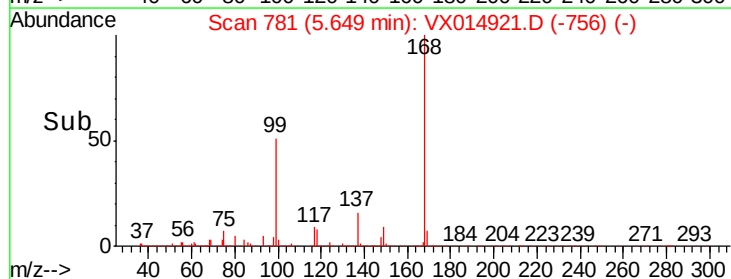
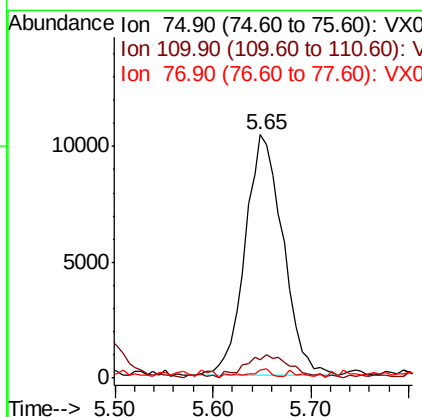
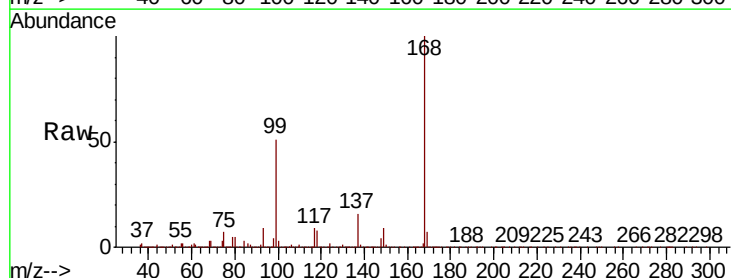
Instrument :
 MSVOA_X
 ClientSampleId :

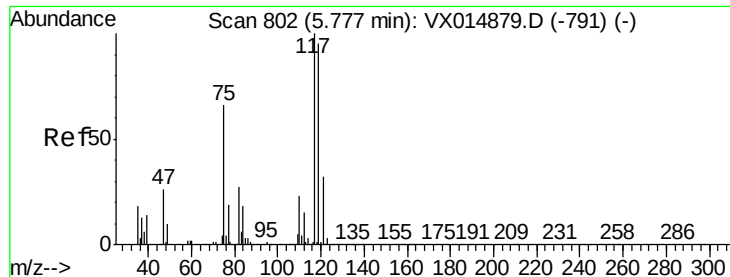
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.4	123.6
192	23.8	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.584 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014921.D
 Acq: 12 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.1	18.3	54.8#
77	1.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.543 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014921.D

Acq: 12 Feb 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

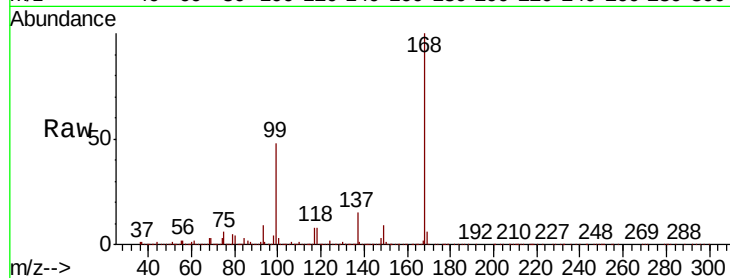
Tot Ion:117 Resp: 38688

Ion Ratio Lower Upper

117 100

119 4.8 76.0 114.0#

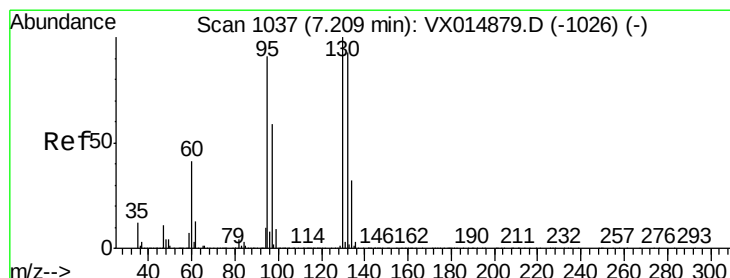
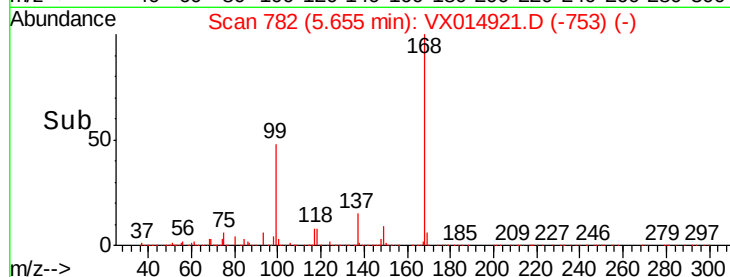
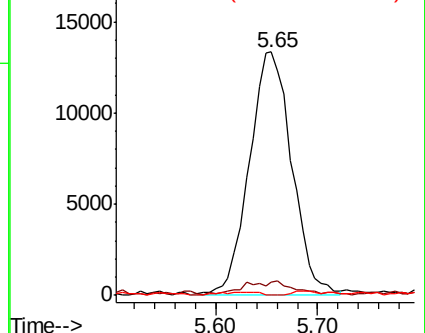
121 0.0 25.4 38.2#



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



#44

Trichloroethene

Concen: 32.227 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014921.D

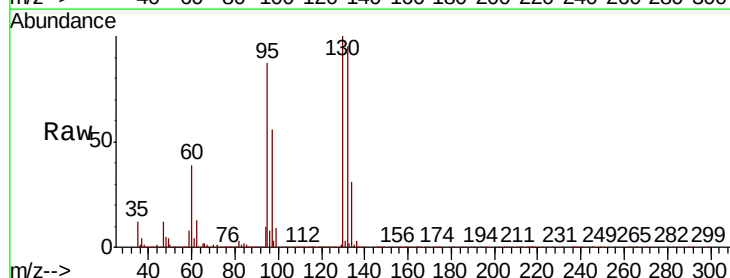
Acq: 12 Feb 2020 13:31

Tgt Ion:130 Resp: 169598

Ion Ratio Lower Upper

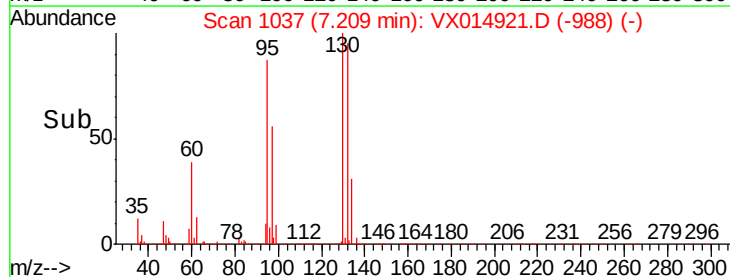
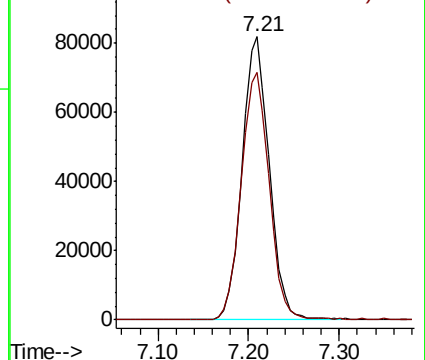
130 100

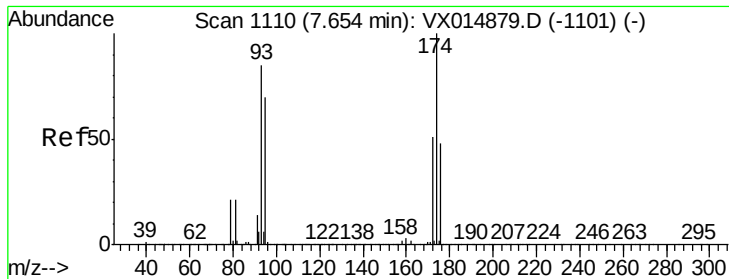
95 86.9 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#46

Dibromomethane

Concen: 0.210 ug/l

RT: 7.67 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VX014921.D

Acq: 12 Feb 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

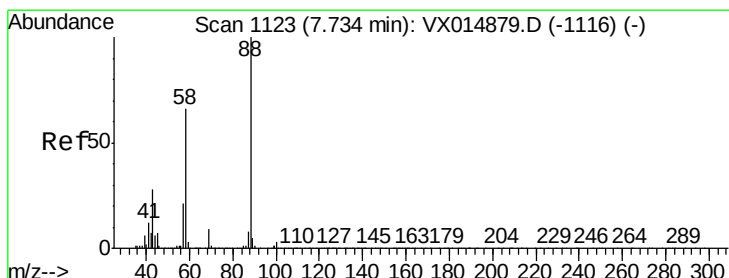
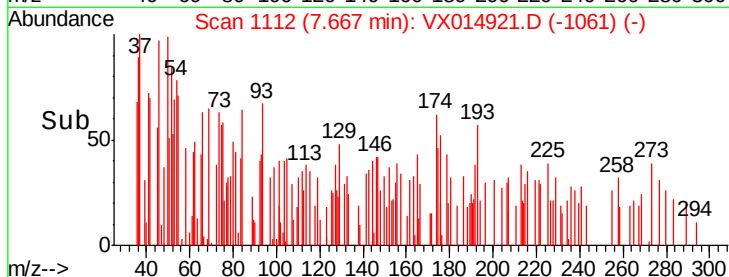
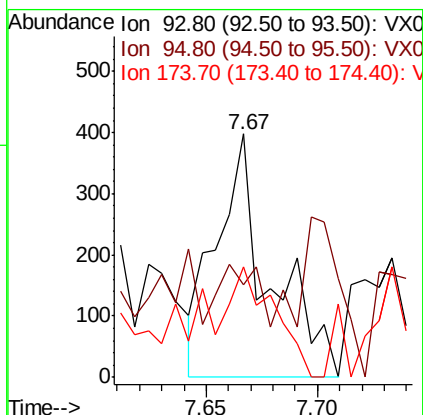
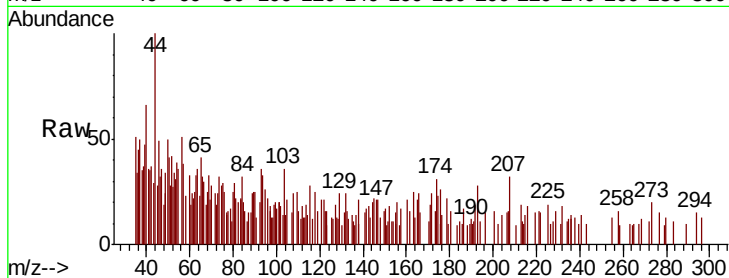
Tot Ion: 93 Resp: 663

Ion Ratio Lower Upper

93 100

95 16.4 65.8 98.8#

174 60.2 95.4 143.2#



#49

1,4-Dioxane

Concen: 3.498 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. 0.02 min

Lab File: VX014921.D

Acq: 12 Feb 2020 13:31

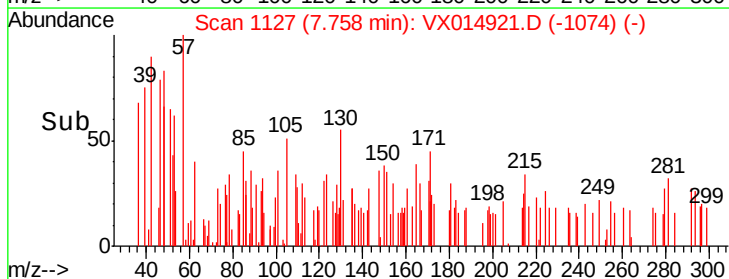
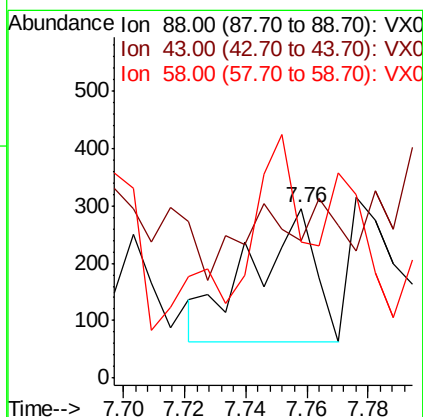
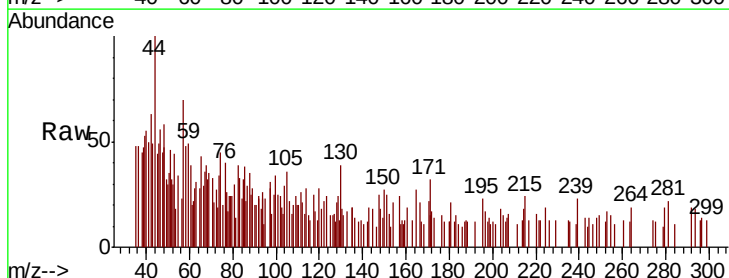
Tgt Ion: 88 Resp: 336

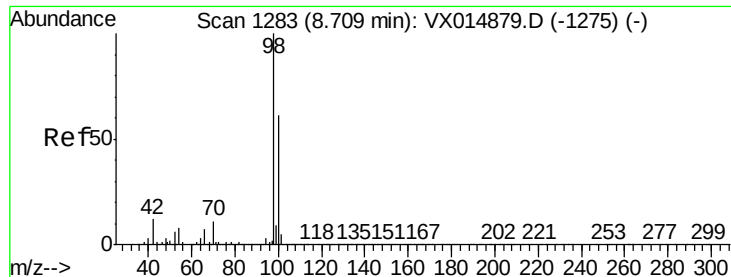
Ion Ratio Lower Upper

88 100

43 36.3 27.0 40.4

58 132.4 53.2 79.8#





#50

Toluene-d8

Concen: 51.039 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014921.D

Acq: 12 Feb 2020 13:31

Instrument :

MSVOA_X

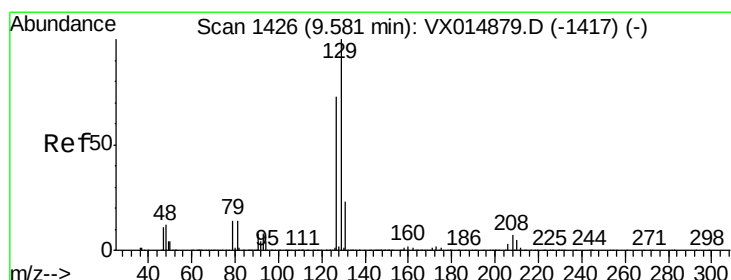
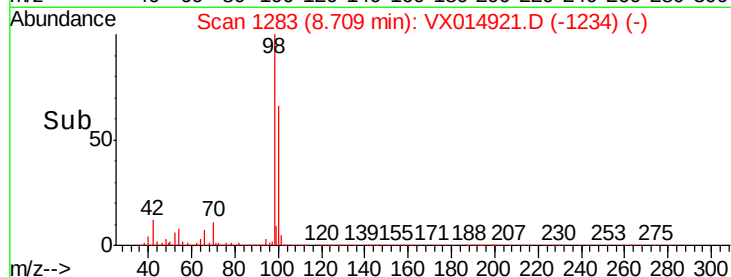
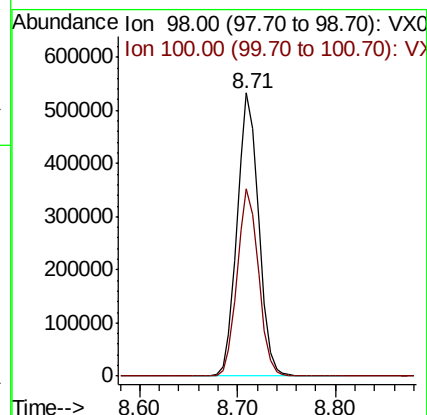
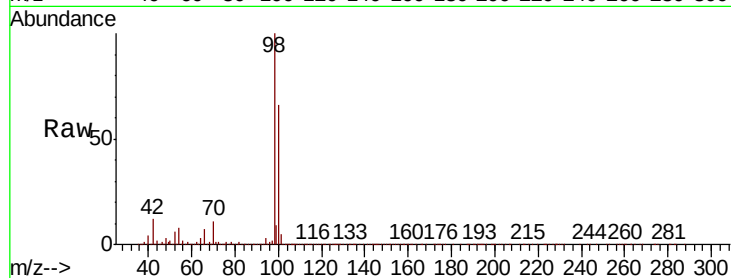
ClientSampleId :

Tot Ion: 98 Resp: 812387

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#60

Dibromochloromethane

Concen: 40.768 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX014921.D

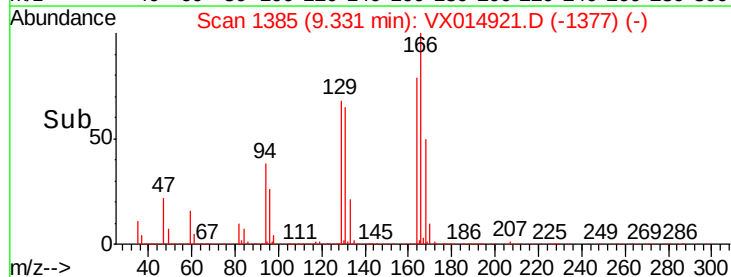
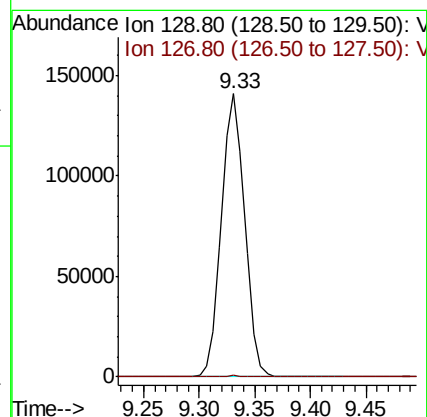
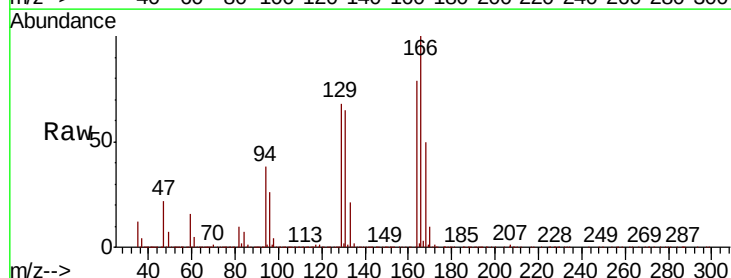
Acq: 12 Feb 2020 13:31

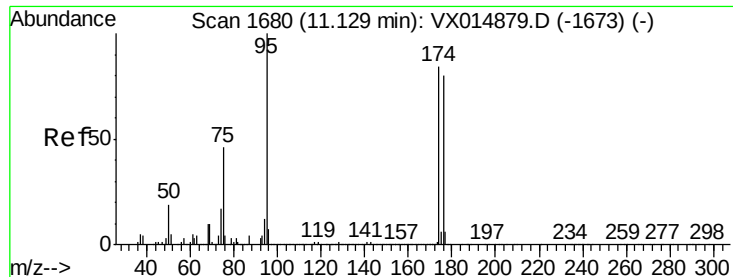
Tgt Ion: 129 Resp: 204378

Ion Ratio Lower Upper

129 100

127 0.4 37.8 113.3#

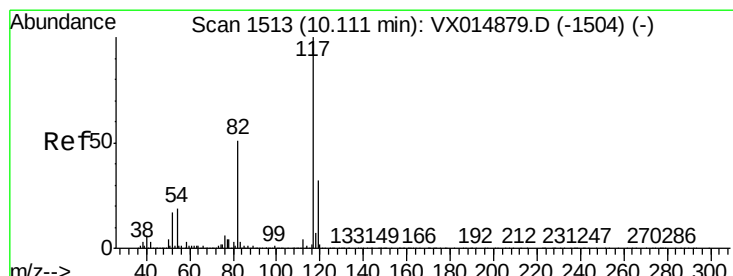
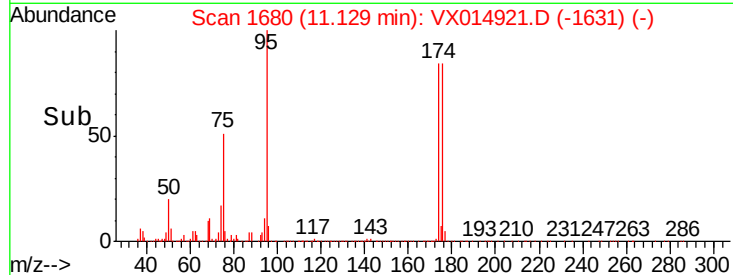
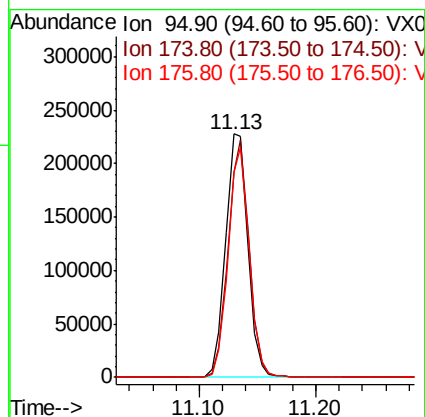
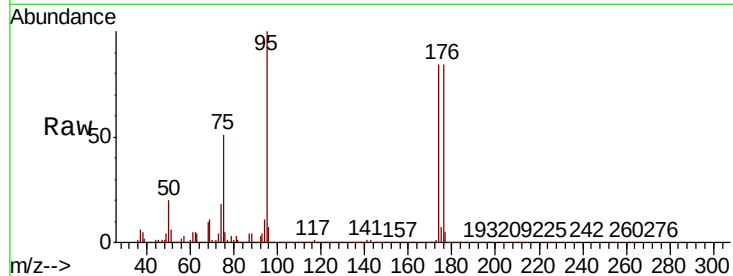




#62
4-Bromofluorobenzene
Concen: 52.519 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014921.D
Acq: 12 Feb 2020 13:31

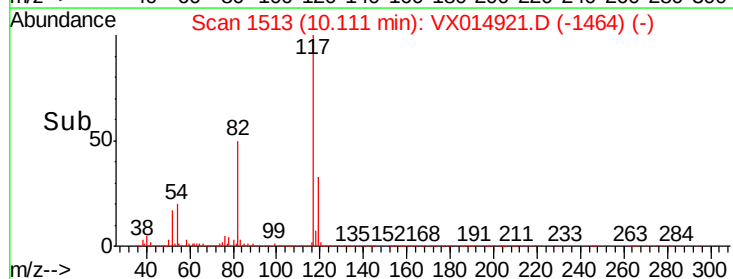
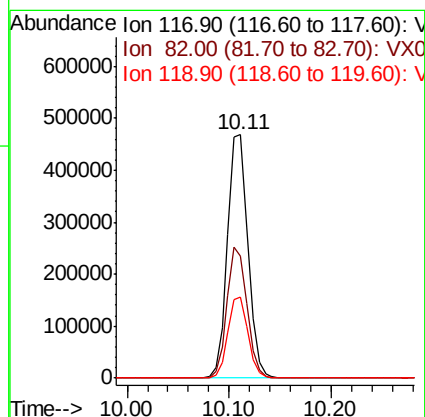
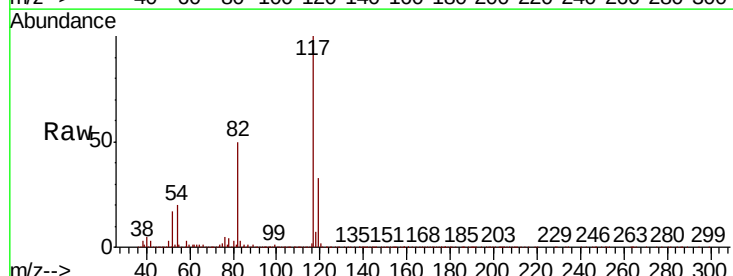
Instrument :
MSVOA_X
ClientSampleId :

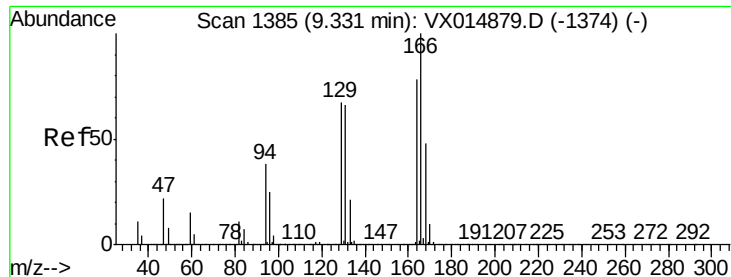
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	183.0
176	89.9	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014921.D
Acq: 12 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.0	40.5	60.7
119	33.3	25.8	38.6

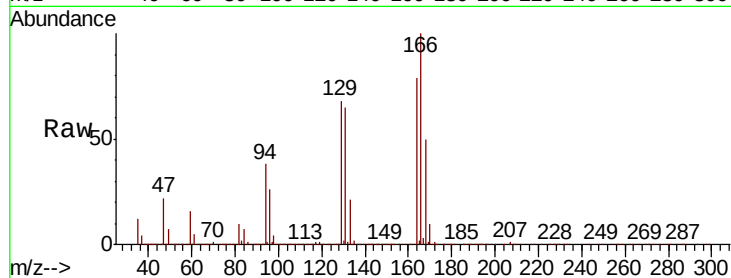




#64
Tetrachloroethene
Concen: 37.995 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014921.D
Acq: 12 Feb 2020 13:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.6	153.8
129	86.6	68.3	102.5
131	82.9	67.4	101.2



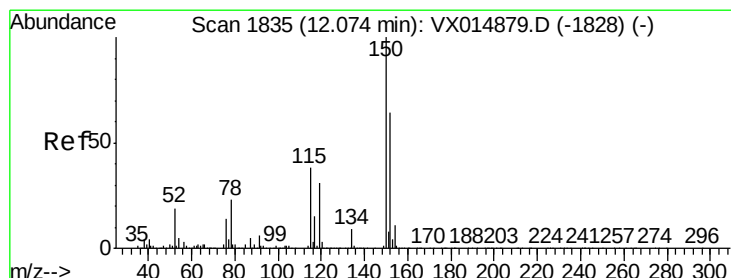
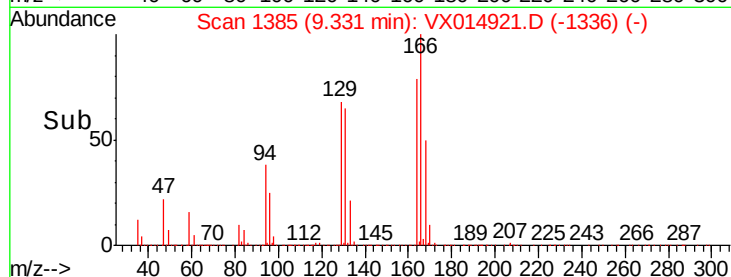
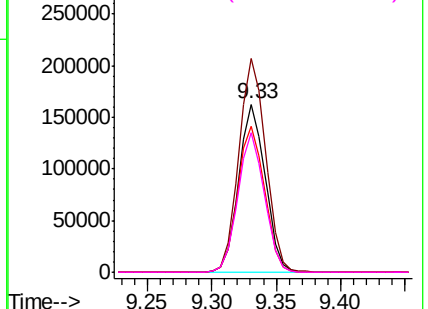
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

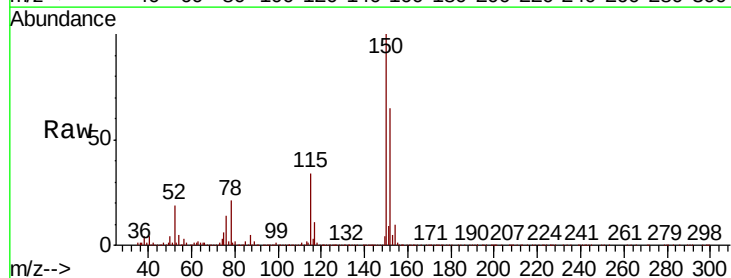
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014921.D
Acq: 12 Feb 2020 13:31

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

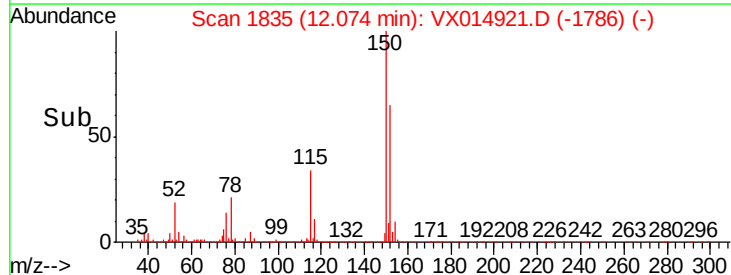
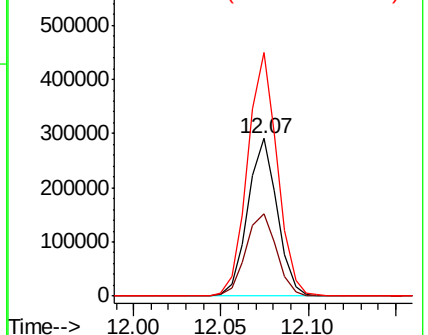


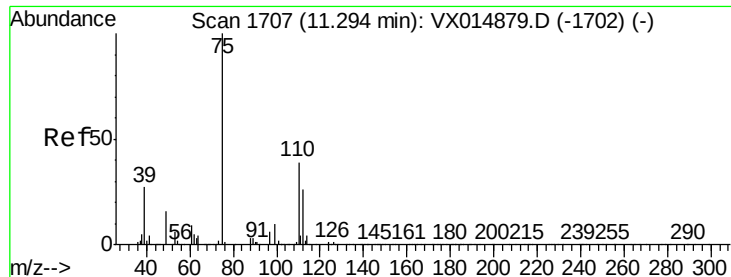
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.371 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014921.D

Acq: 12 Feb 2020 13:31

Instrument :

MSVOA_X

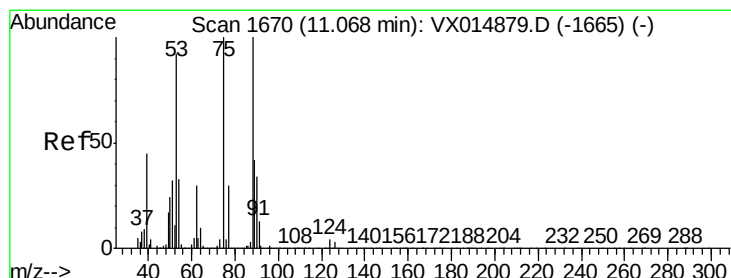
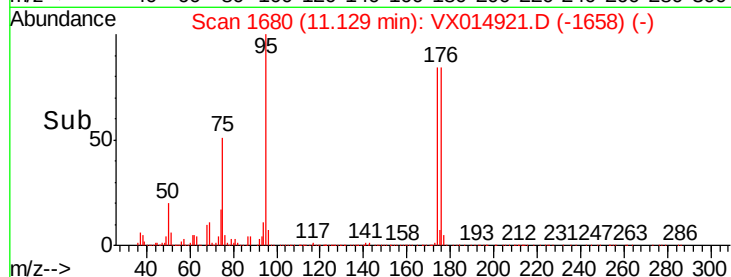
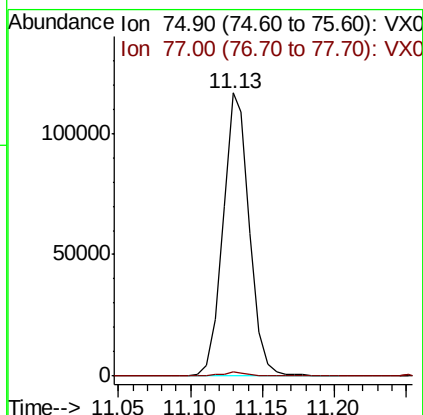
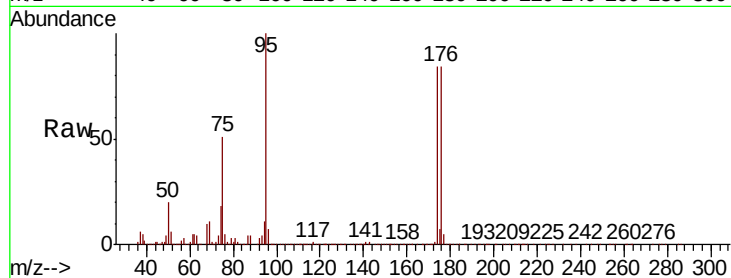
ClientSampleId :

Tot Ion: 75 Resp: 149255

Ion Ratio Lower Upper

75 100

77 1.3 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.383 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014921.D

Acq: 12 Feb 2020 13:31

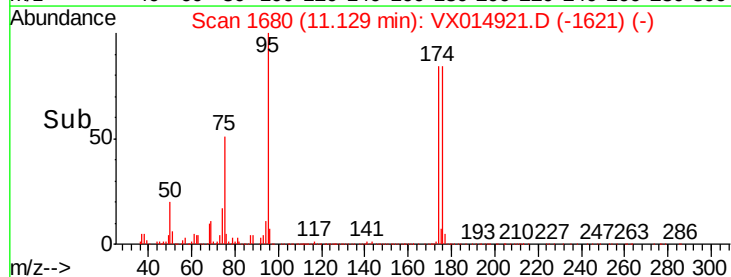
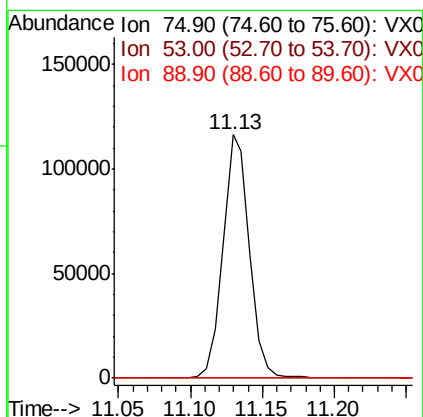
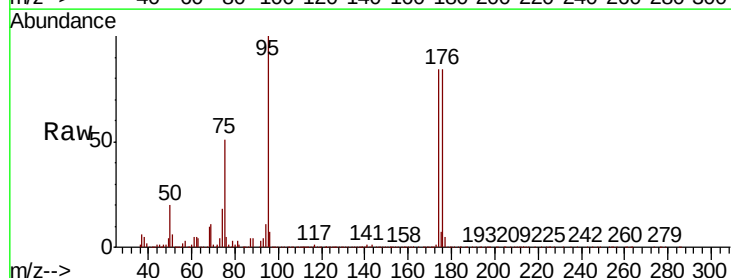
Tgt Ion: 75 Resp: 149255

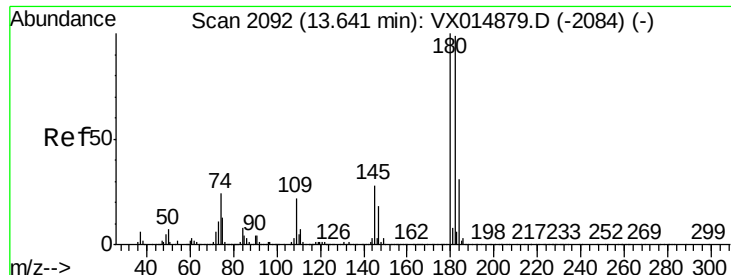
Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

89 0.0 35.8 53.6#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.221 ug/l
 RT: 13.63 min Scan# 2091
 Delta R.T. -0.01 min
 Lab File: VX014921.D
 Acq: 12 Feb 2020 13:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.1	48.4	145.3
145	28.7	14.1	42.4

