

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031020\
 Data File : VX015176.D
 Acq On : 10 Mar 2020 17:12
 Operator : JC/SP
 Sample : L1842-11DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 07:31:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	312194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	509972	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	504906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	261115	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	183593	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
35) Dibromofluoromethane	5.49	113	156399	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	8.71	98	633731	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	11.13	95	241763	55.38	ug/l	0.00
Spiked Amount			Recovery	=	110.76%	

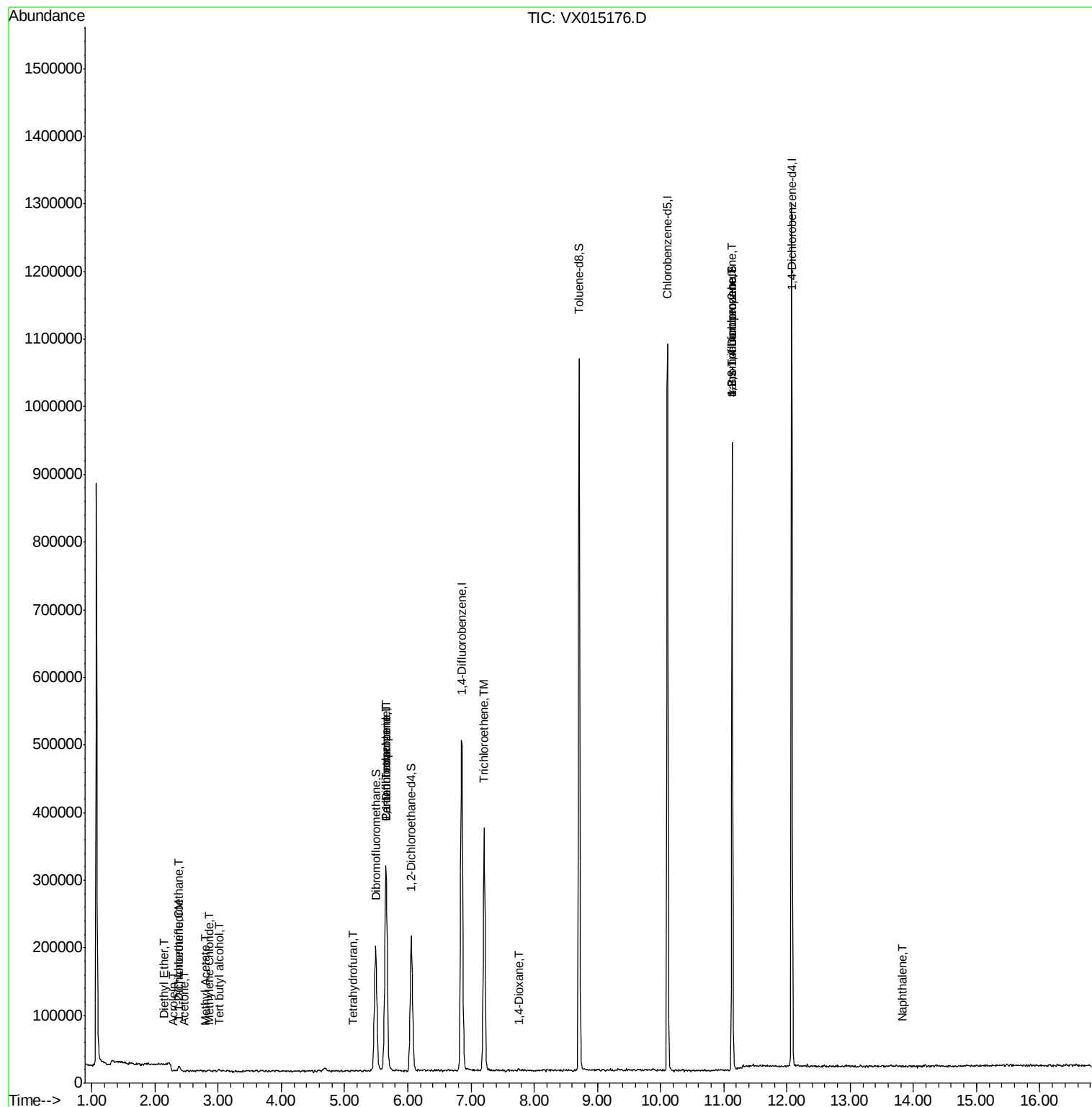
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.13	74	543	0.257	ug/l	58
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2974	1.012	ug/l #	92
11) Tert butyl alcohol	3.02	59	1101	1.713	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	850	0.280	ug/l	89
13) Acrolein	2.29	56	358	0.593	ug/l #	45
16) Acetone	2.46	43	737	0.491	ug/l	96
18) Methyl Acetate	2.80	43	740	0.202	ug/l #	87
20) Methylene Chloride	2.86	84	1302	0.371	ug/l #	74
29) Tetrahydrofuran	5.13	42	507	0.358	ug/l #	76
36) 1,1-Dichloropropene	5.65	75	20825	4.417	ug/l #	42
38) Carbon Tetrachloride	5.65	117	27504	6.181	ug/l #	17
44) Trichloroethene	7.21	130	140612	36.097	ug/l	95
49) 1,4-Dioxane	7.77	88	97	1.146	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	115547	22.184	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	115547	62.960	ug/l #	11
95) Naphthalene	13.83	128	841	1.467	ug/l #	76

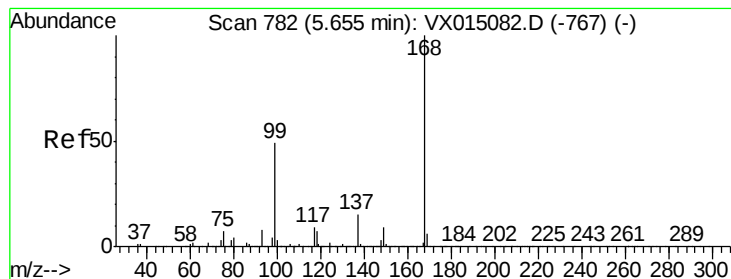
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015176.D

Acq: 10 Mar 2020 17:12

Instrument :

MSVOA_X

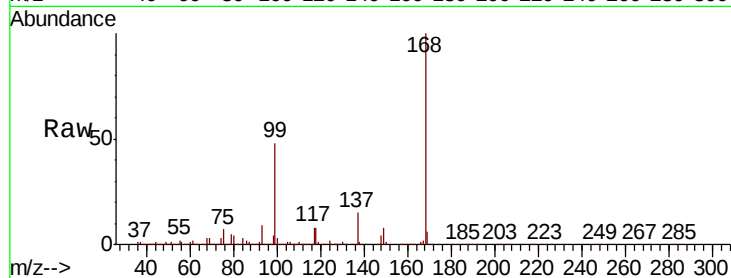
ClientSampleId :

Tot Ion:168 Resp: 312194

Ion Ratio Lower Upper

168 100

99 47.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

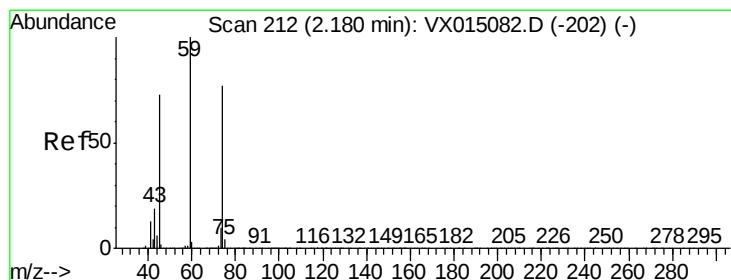
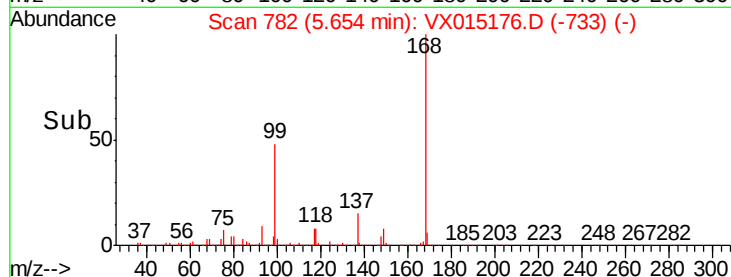
5.65

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.257 ug/l

RT: 2.13 min Scan# 204

Delta R.T. -0.05 min

Lab File: VX015176.D

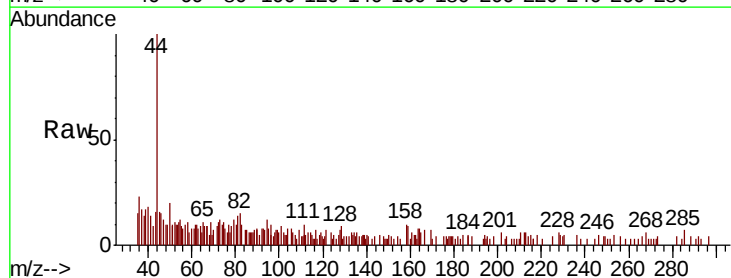
Acq: 10 Mar 2020 17:12

Tgt Ion: 74 Resp: 543

Ion Ratio Lower Upper

74 100

45 56.4 49.2 147.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.13

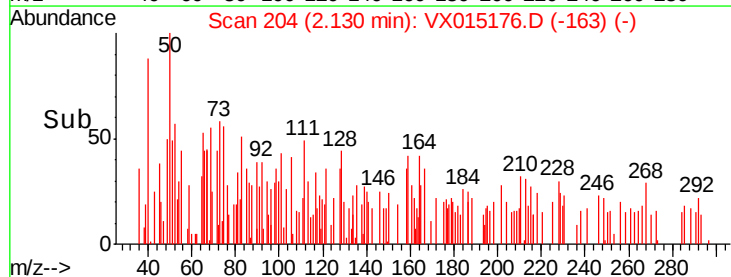
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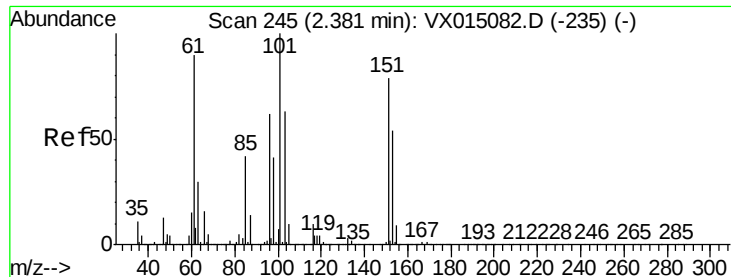
400

200

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.012 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX015176.D

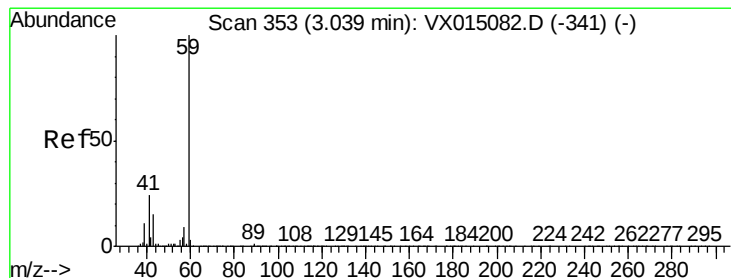
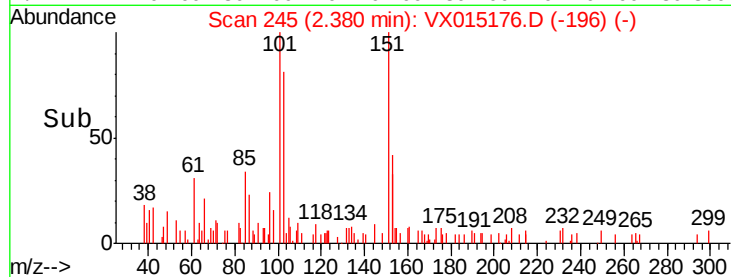
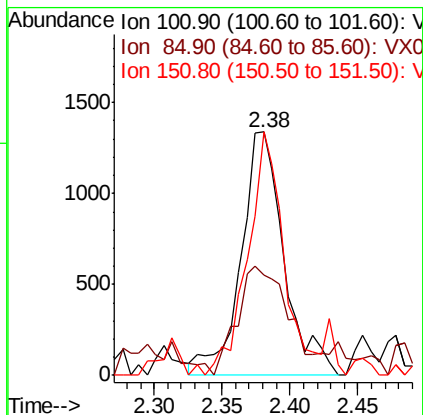
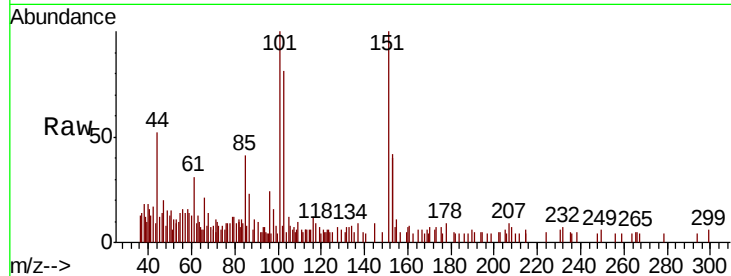
Acq: 10 Mar 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	101	Resp:	2974
Ion	Ratio	Lower	Upper
101	100		
85	52.4	33.7	50.5#
151	83.7	64.0	96.0



#11

Tert butyl alcohol

Concen: 1.713 ug/l

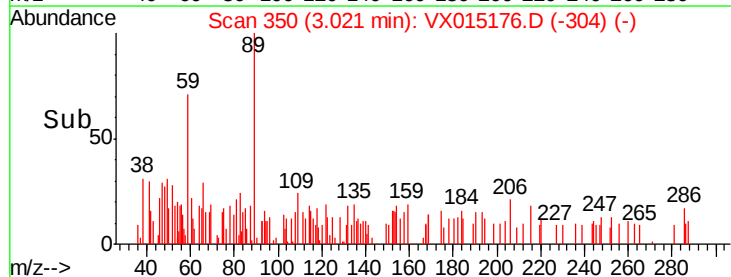
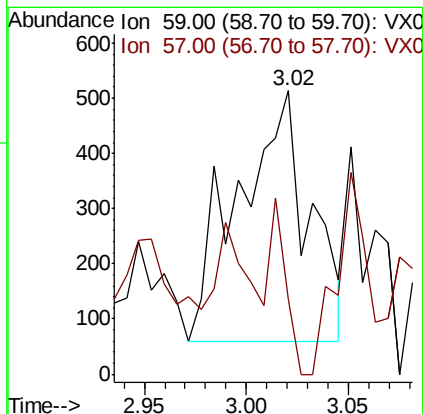
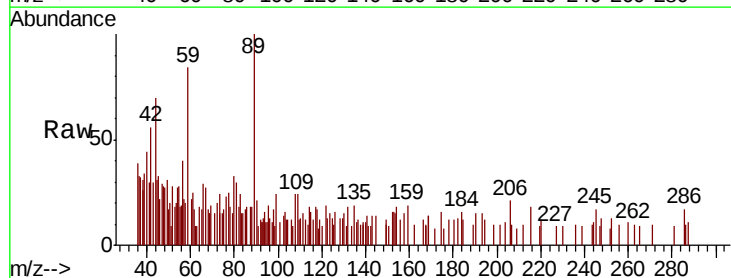
RT: 3.02 min Scan# 350

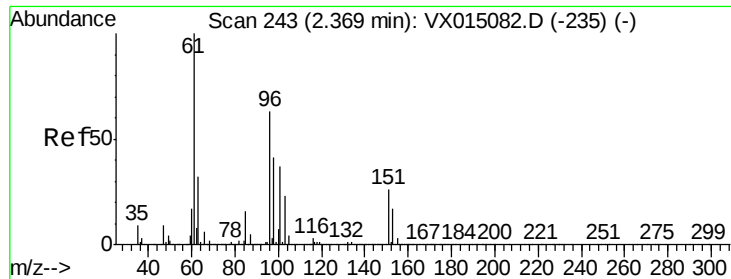
Delta R.T. -0.02 min

Lab File: VX015176.D

Acq: 10 Mar 2020 17:12

Tgt Ion:	59	Resp:	1101
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#





#12

1,1-Dichloroethene

Concen: 0.280 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX015176.D

Acq: 10 Mar 2020 17:12

Instrument :

MSVOA_X

ClientSampled :

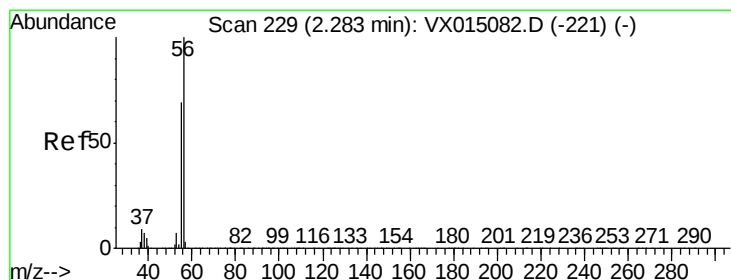
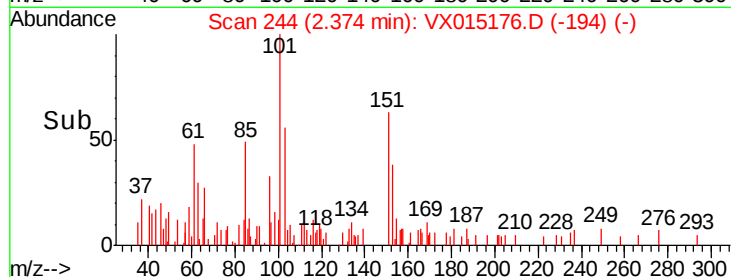
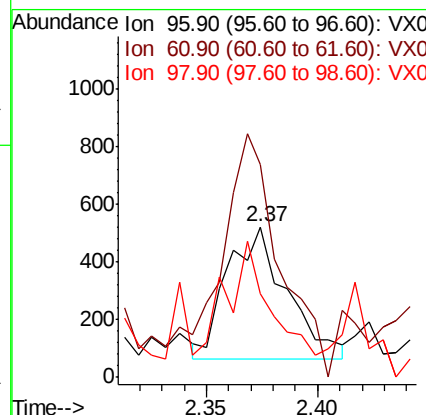
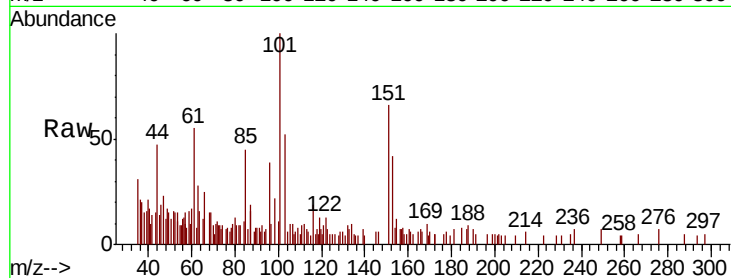
Tot Ion: 96 Resp: 850

Ion Ratio Lower Upper

96 100

61 145.2 126.2 189.4

98 52.8 51.4 77.0



#13

Acrolein

Concen: 0.593 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015176.D

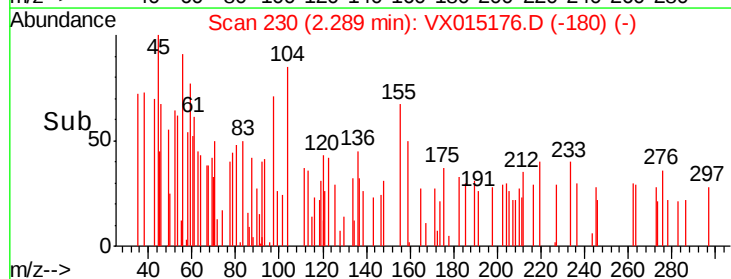
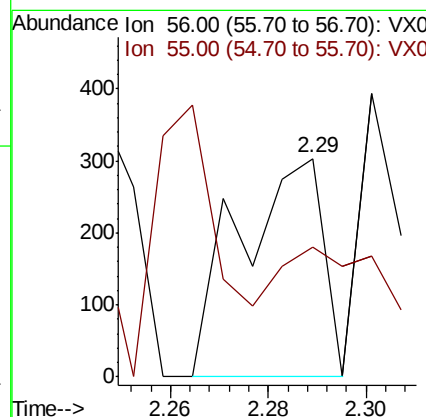
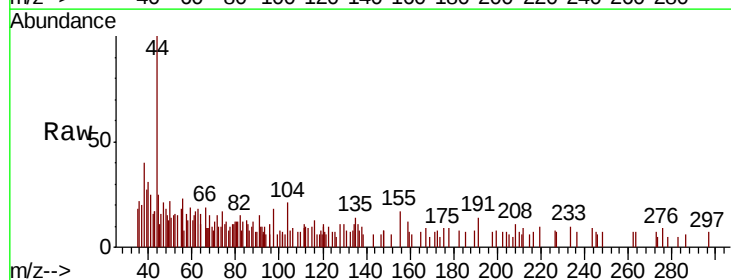
Acq: 10 Mar 2020 17:12

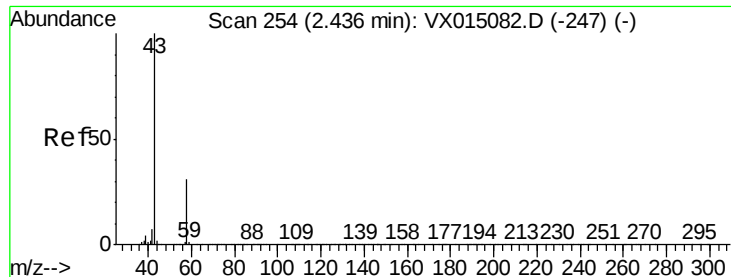
Tgt Ion: 56 Resp: 358

Ion Ratio Lower Upper

56 100

55 24.0 55.4 83.0#





#16

Acetone

Concen: 0.491 ug/l

RT: 2.46 min Scan# 258

Delta R.T. 0.02 min

Lab File: VX015176.D

Acq: 10 Mar 2020 17:12

Instrument :

MSVOA_X

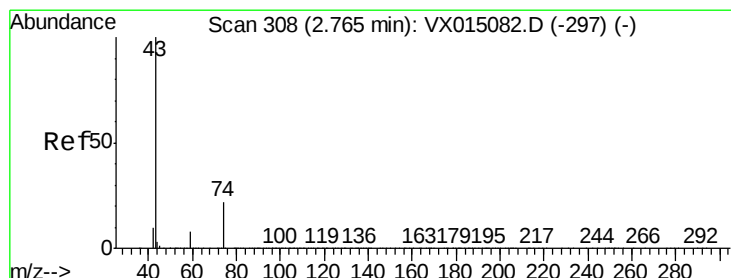
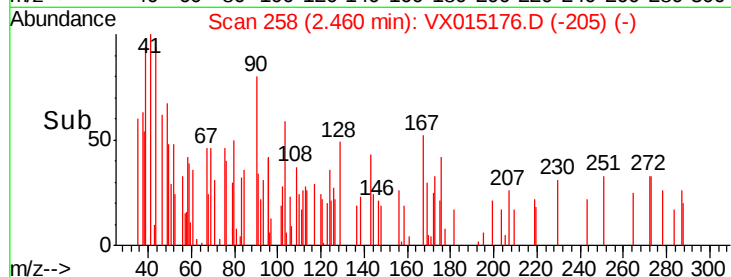
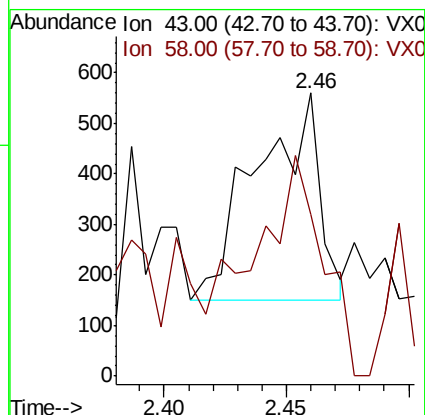
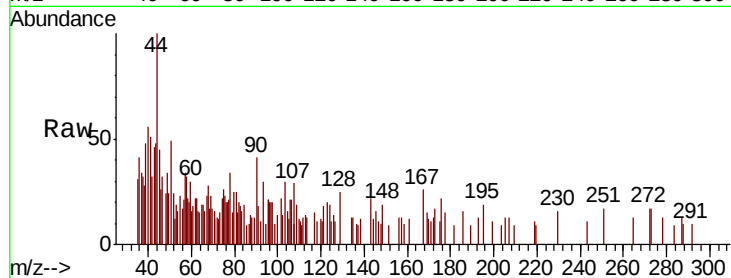
ClientSampled :

Tot Ion: 43 Resp: 737

Ion Ratio Lower Upper

43 100

58 33.2 24.8 37.2



#18

Methyl Acetate

Concen: 0.202 ug/l

RT: 2.80 min Scan# 314

Delta R.T. 0.04 min

Lab File: VX015176.D

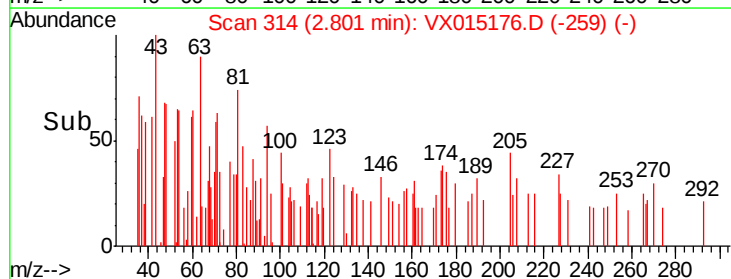
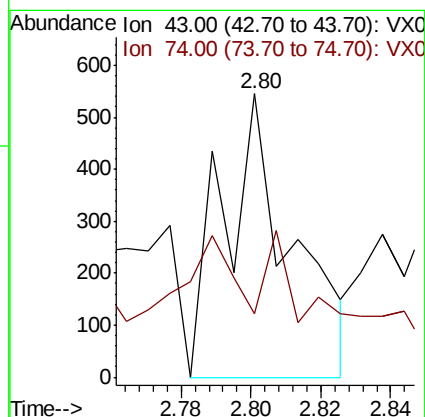
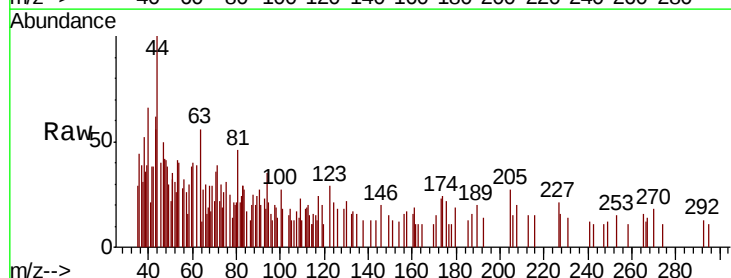
Acq: 10 Mar 2020 17:12

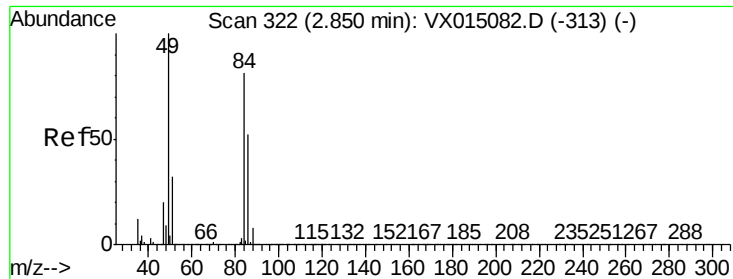
Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

43 100

74 17.3 18.8 28.2#

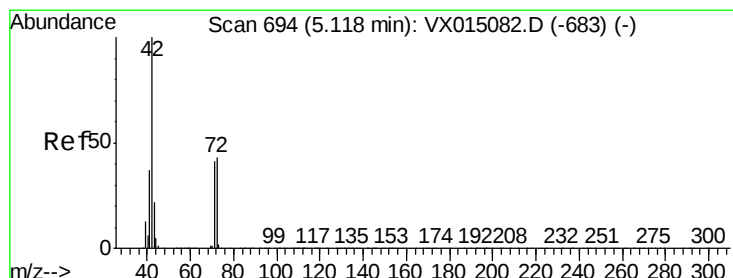
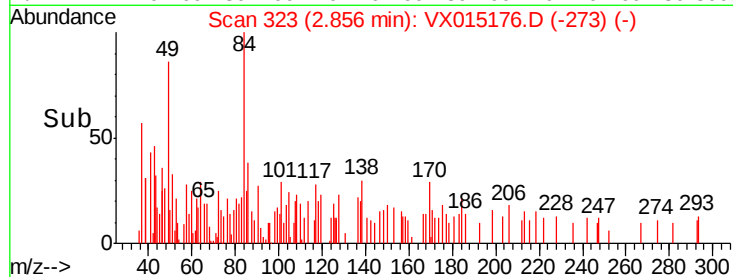
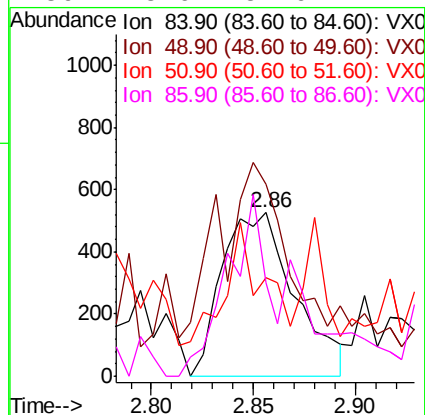
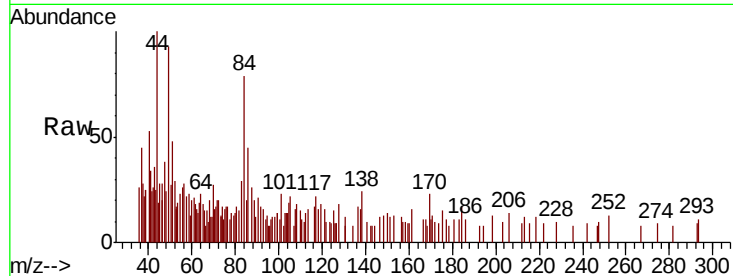




#20
Methvlene Chloride
Concen: 0.371 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX015176.D
Acq: 10 Mar 2020 17:12

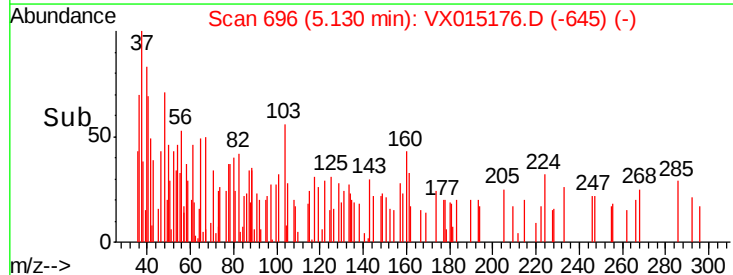
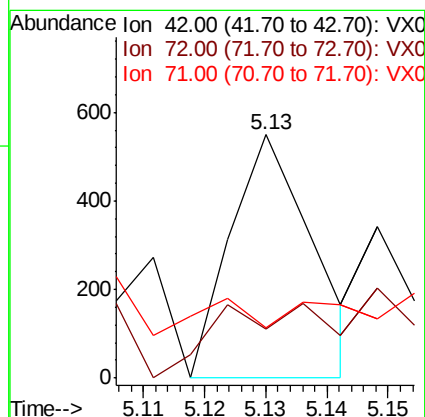
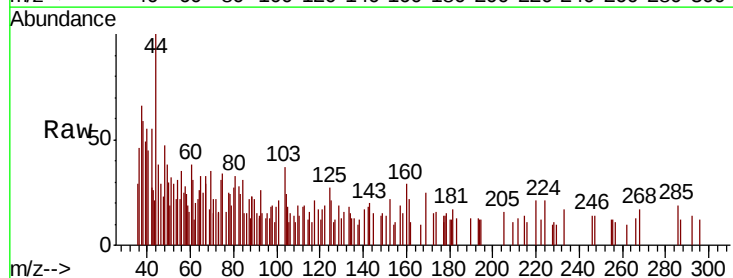
Instrument :
MSVOA_X
ClientSampled :

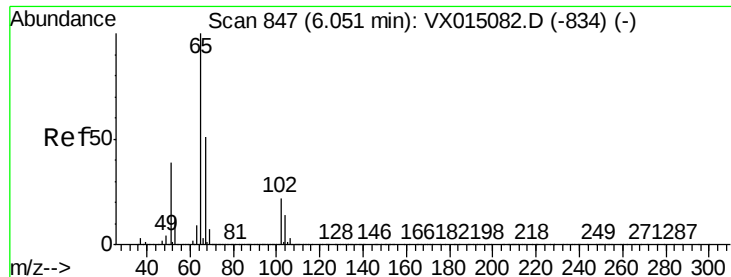
Tot Ion:	84	Resp:	1302
Ion	Ratio	Lower	Upper
84	100		
49	84.8	99.4	149.2#
51	39.4	31.5	47.3
86	45.6	51.6	77.4#



#29
Tetrahydrofuran
Concen: 0.358 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.01 min
Lab File: VX015176.D
Acq: 10 Mar 2020 17:12

Tgt Ion:	42	Resp:	507
Ion	Ratio	Lower	Upper
42	100		
72	42.8	36.4	54.6
71	13.4	33.3	49.9#

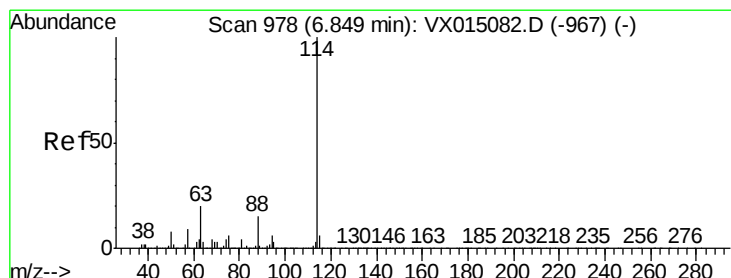
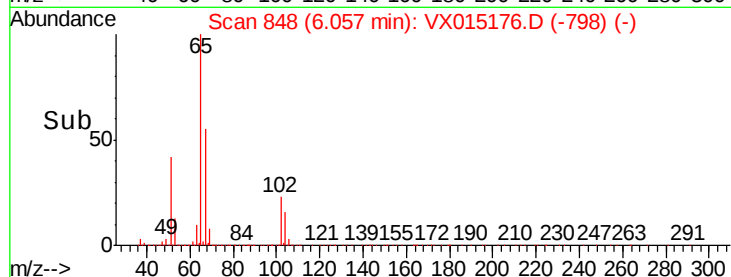
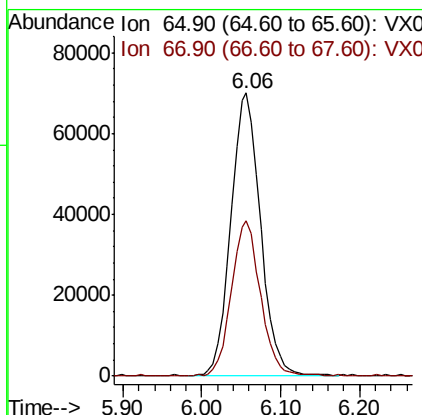
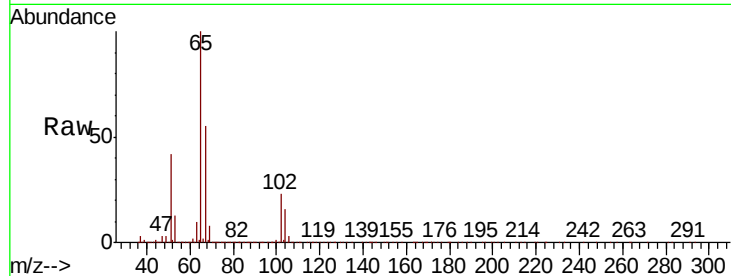




#33
 1,2-Dichloroethane-d4
 Concen: 49.569 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX015176.D
 Acq: 10 Mar 2020 17:12

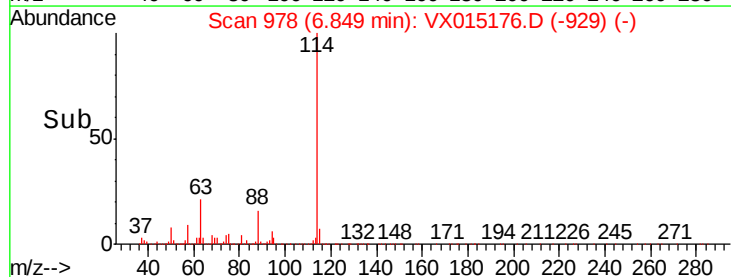
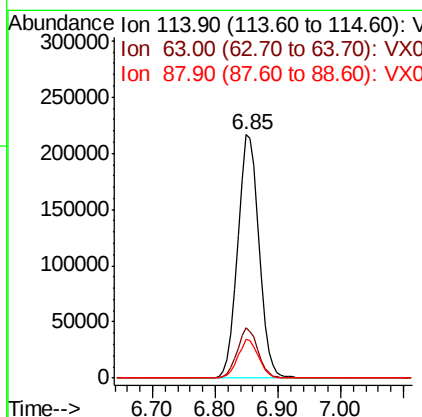
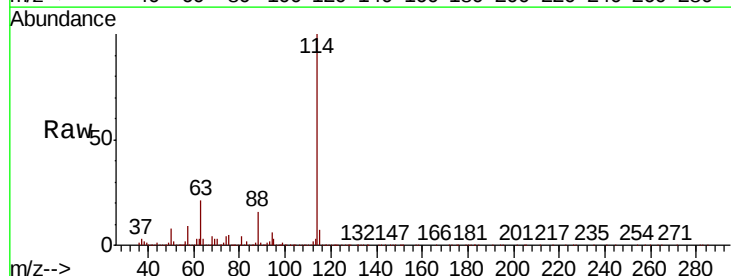
Instrument :
 MSVOA_X
 ClientSampleId :

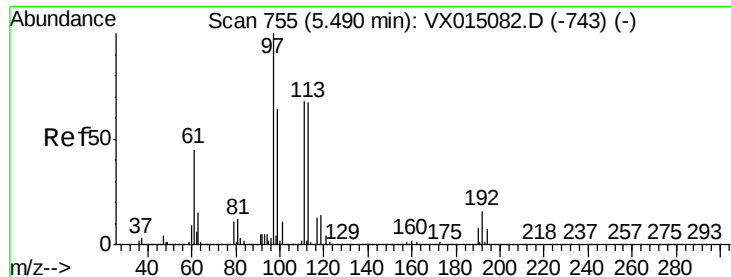
Tot Ion: 65 Resp: 183593
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX015176.D
 Acq: 10 Mar 2020 17:12

Tgt Ion: 114 Resp: 509972
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.0
 88 15.7 0.0 30.6

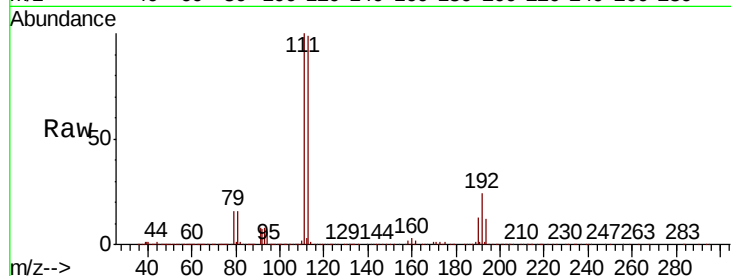




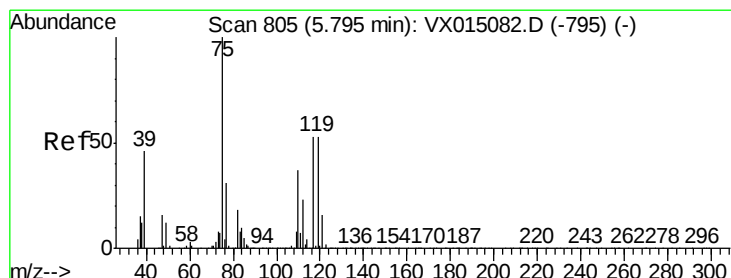
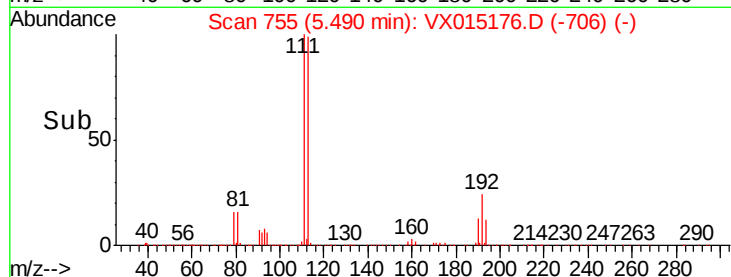
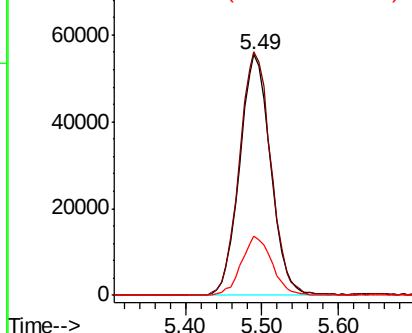
#35
 Dibromofluoromethane
 Concen: 48.613 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX015176.D
 Acq: 10 Mar 2020 17:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	24.4	18.6	28.0

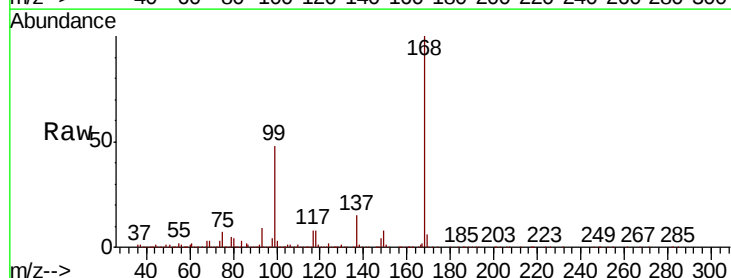


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

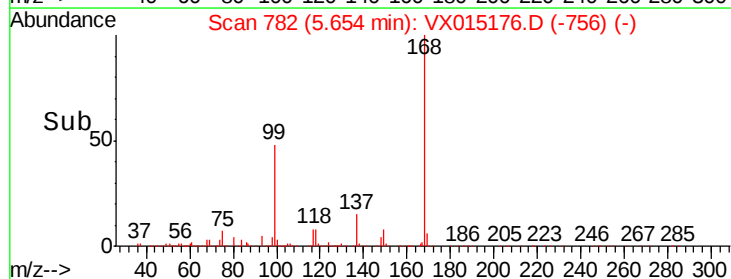
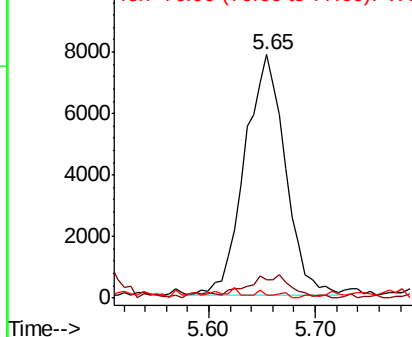


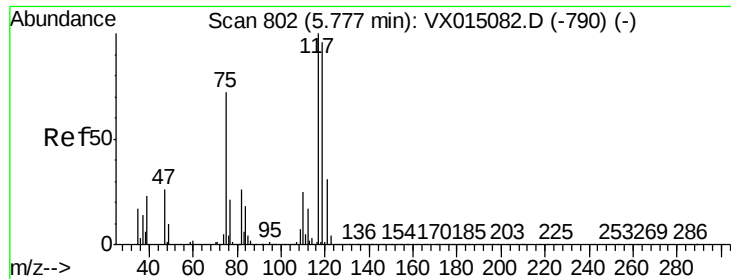
#36
 1,1-Dichloropropene
 Concen: 4.417 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015176.D
 Acq: 10 Mar 2020 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.8#
77	0.8	24.8	37.2#



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

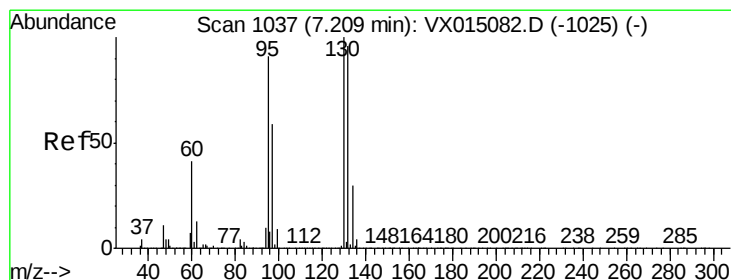
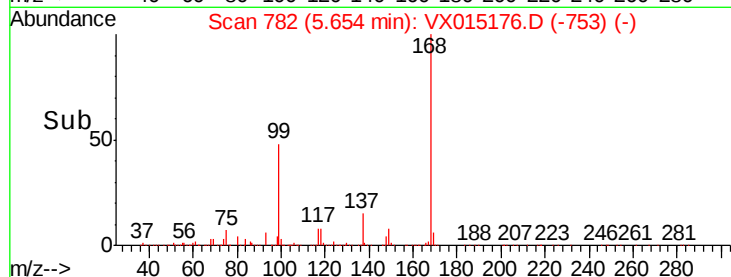
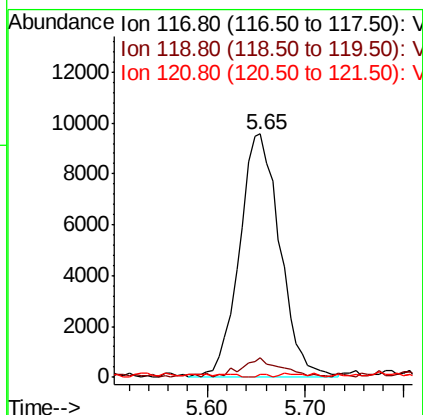
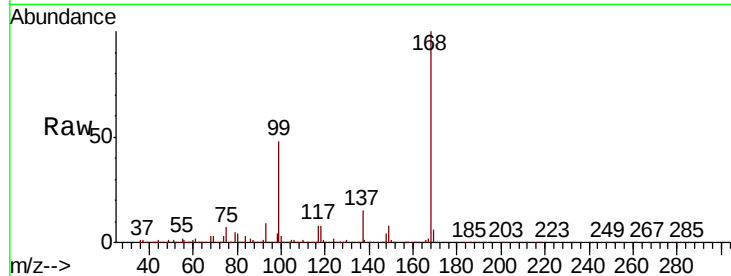




#38
Carbon Tetrachloride
Concen: 6.181 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX015176.D
Acq: 10 Mar 2020 17:12

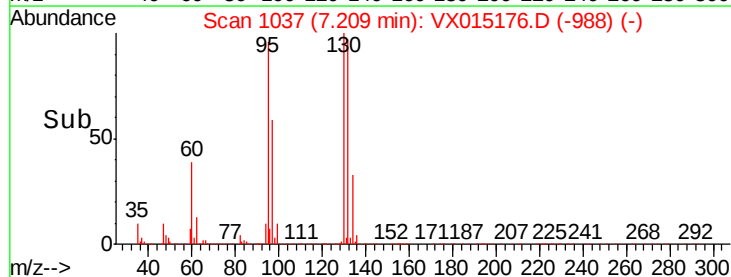
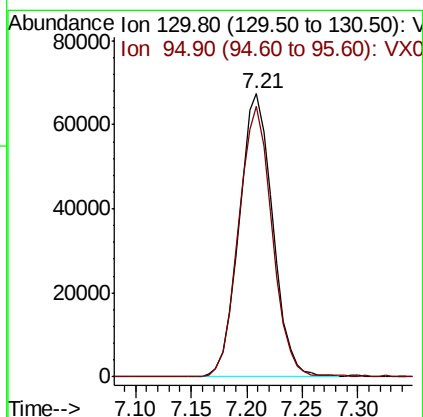
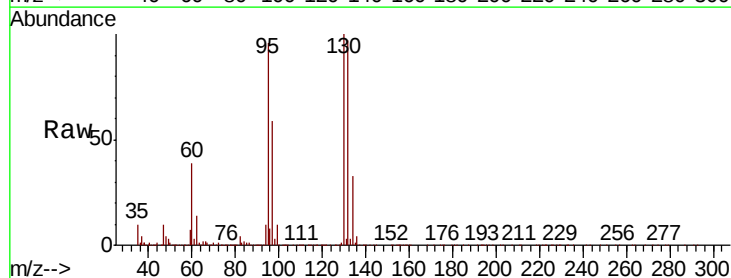
Instrument :
MSVOA_X
ClientSampled :

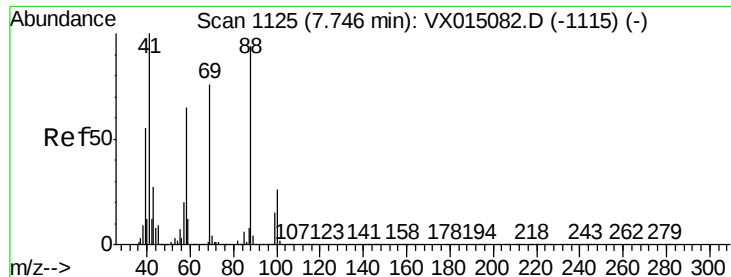
Tot Ion:117 Resp: 27504
Ion Ratio Lower Upper
117 100
119 6.4 76.9 115.3#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 36.097 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VX015176.D
Acq: 10 Mar 2020 17:12

Tgt Ion:130 Resp: 140612
Ion Ratio Lower Upper
130 100
95 95.6 0.0 181.2

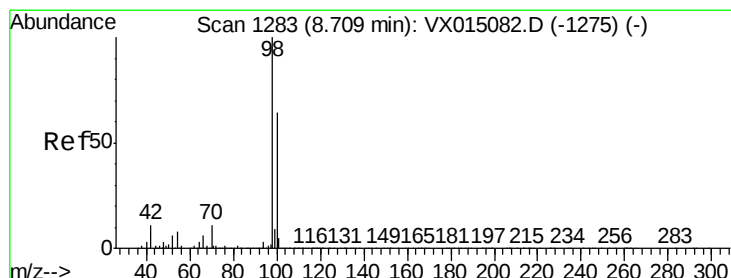
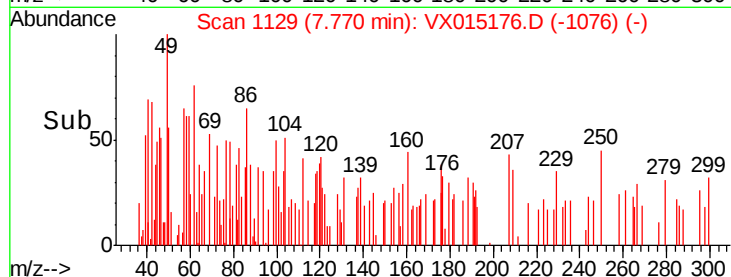
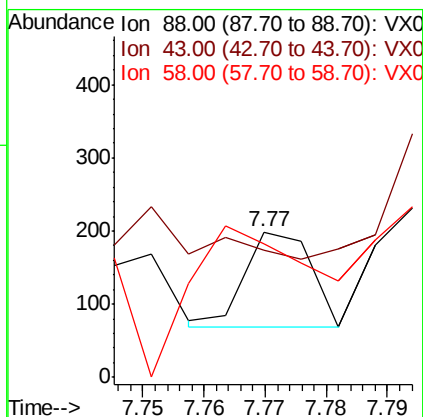
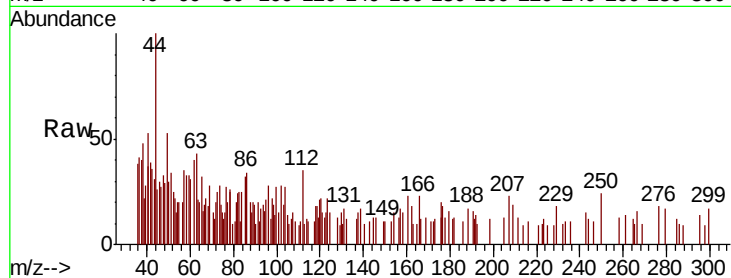




#49
1,4-Dioxane
Concen: 1.146 ug/l
RT: 7.77 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VX015176.D
Acq: 10 Mar 2020 17:12

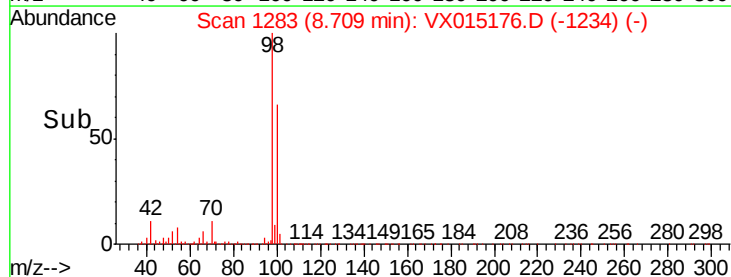
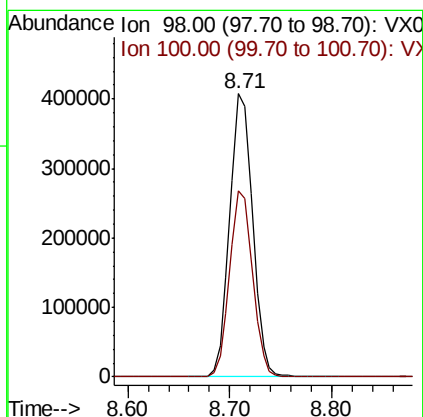
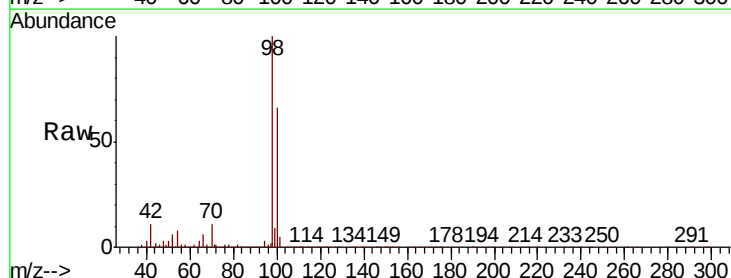
Instrument :
MSVOA_X
ClientSampled :

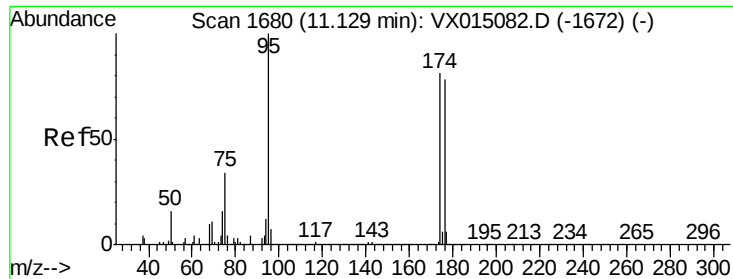
Tot Ion: 88 Resp: 97
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 304.1 55.6 83.4#



#50
Toluene-d8
Concen: 51.784 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015176.D
Acq: 10 Mar 2020 17:12

Tgt Ion: 98 Resp: 633731
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 55.385 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015176.D

Acq: 10 Mar 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

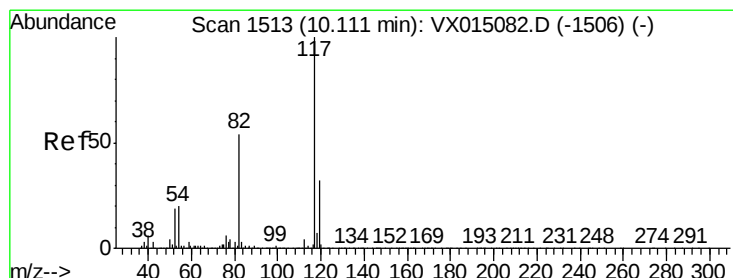
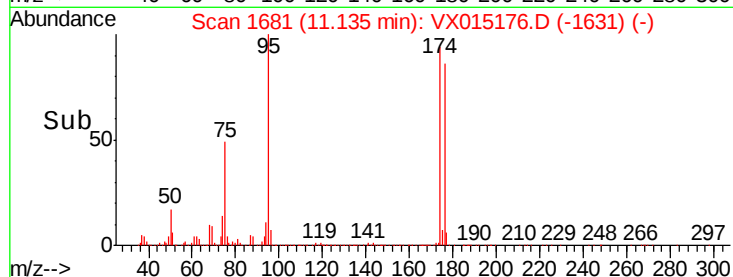
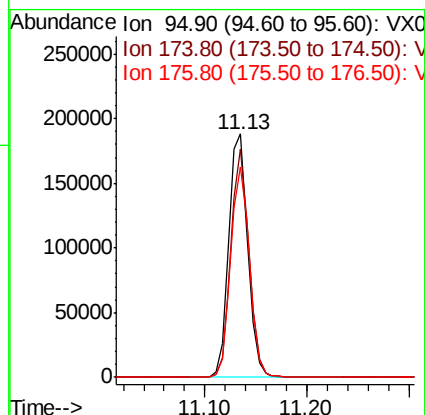
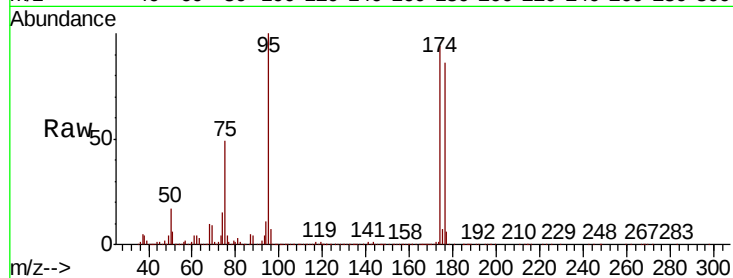
Tot Ion: 95 Resp: 241763

Ion Ratio Lower Upper

95 100

174 89.2 0.0 177.6

176 85.5 0.0 170.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX015176.D

Acq: 10 Mar 2020 17:12

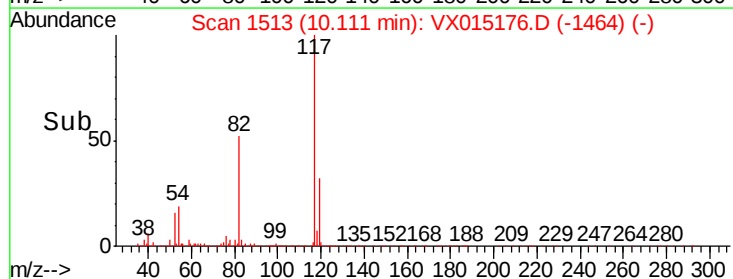
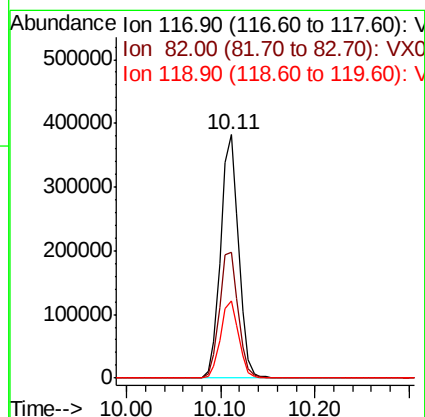
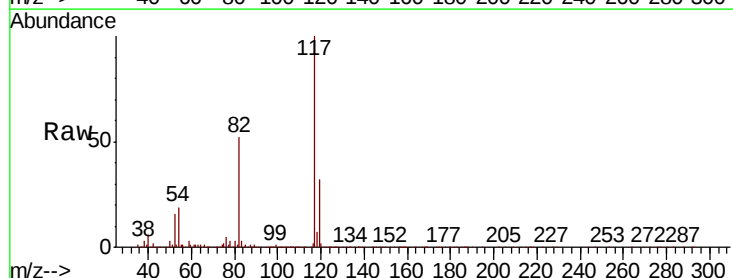
Tgt Ion: 117 Resp: 504906

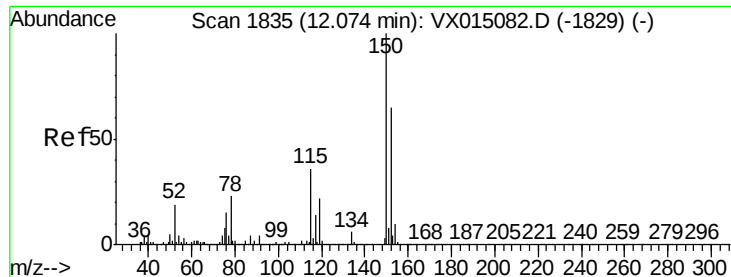
Ion Ratio Lower Upper

117 100

82 51.9 43.3 64.9

119 31.6 25.8 38.8



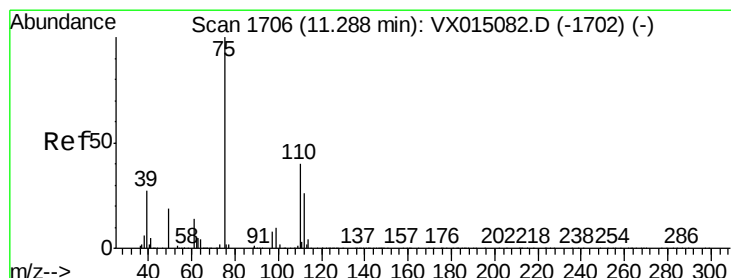
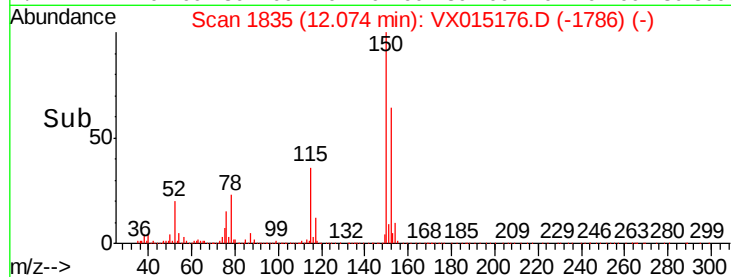
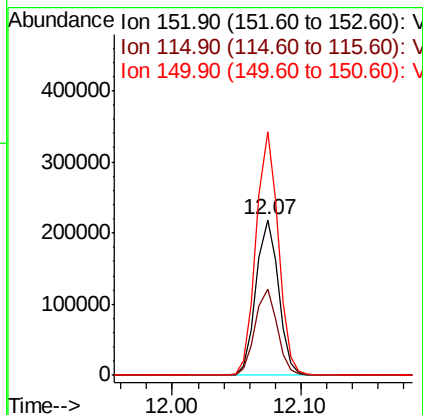
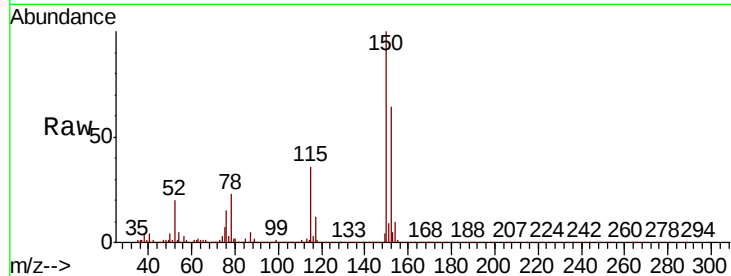


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015176.D
Acq: 10 Mar 2020 17:12

Instrument :
MSVOA_X
ClientSampleId :

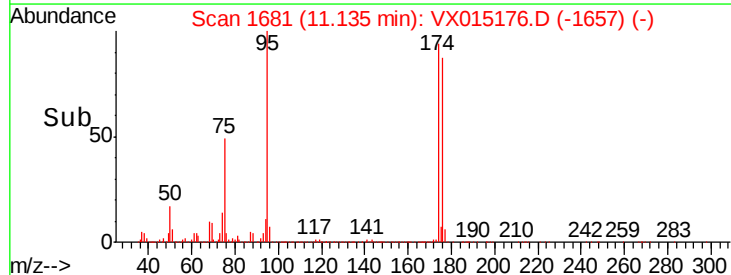
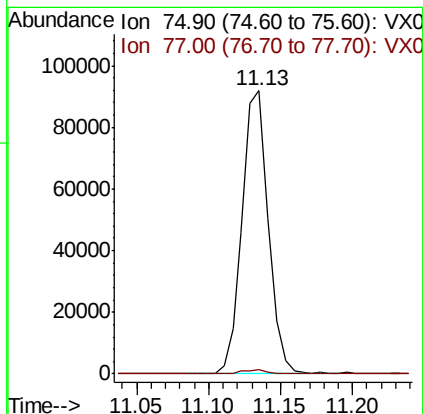
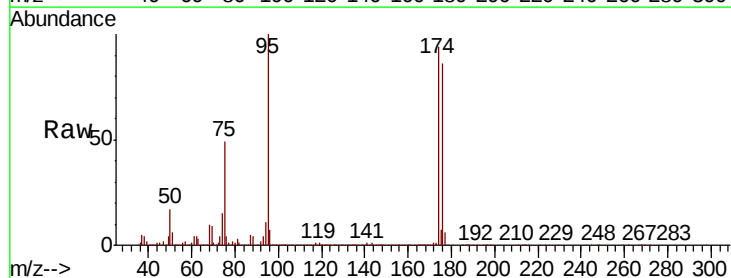
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.2	114.6
150	154.9	0.0	343.8

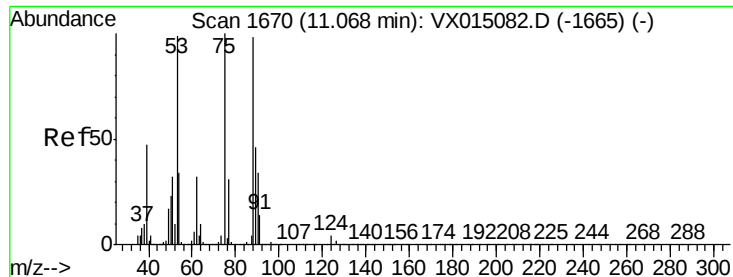


#76

1,2,3-Trichloropropane
Concen: 22.184 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. -0.15 min
Lab File: VX015176.D
Acq: 10 Mar 2020 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	22.6	67.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.960 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX015176.D

Acq: 10 Mar 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

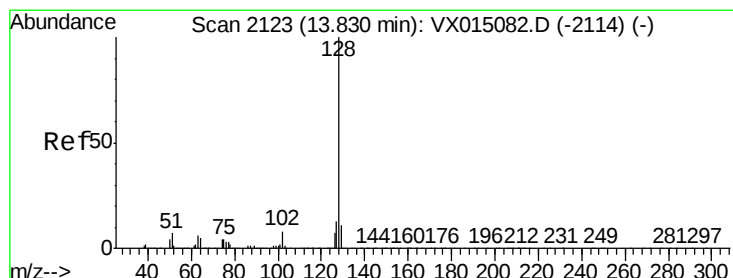
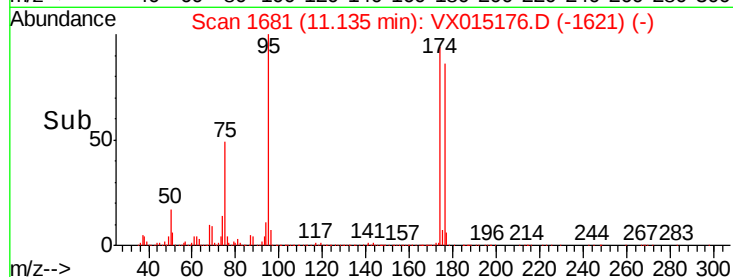
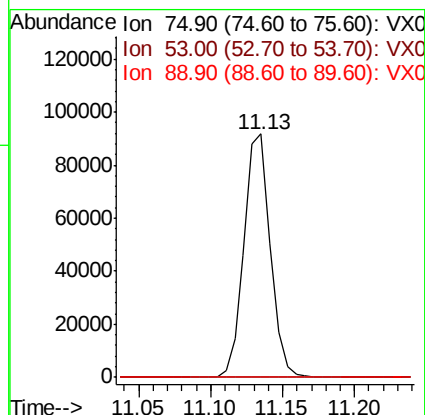
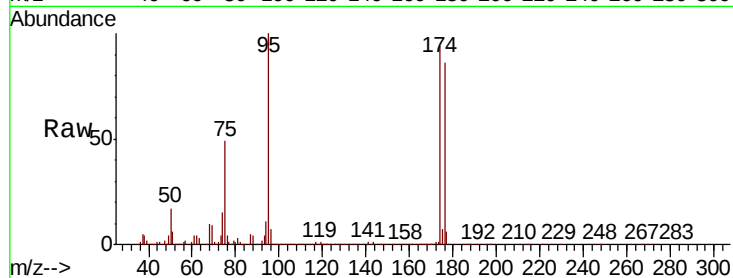
Tot Ion: 75 Resp: 115547

Ion Ratio Lower Upper

75 100

53 0.4 77.9 116.9#

89 0.0 36.2 54.2#



#95

Naphthalene

Concen: 1.467 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015176.D

Acq: 10 Mar 2020 17:12

Tgt Ion:128 Resp: 841

Ion Ratio Lower Upper

128 100

127 19.6 10.3 15.5#

129 22.7 8.6 13.0#

