

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015249.D
 Acq On : 13 Mar 2020 11:11
 Operator : JC/SP
 Sample : L1903-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D1-20200307

Quant Time: Mar 16 08:17:38 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	267357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	421540	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	399827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	204740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	147360	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	5.50	113	127711	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	8.71	98	515339	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.13	95	188365	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	

Target Compounds

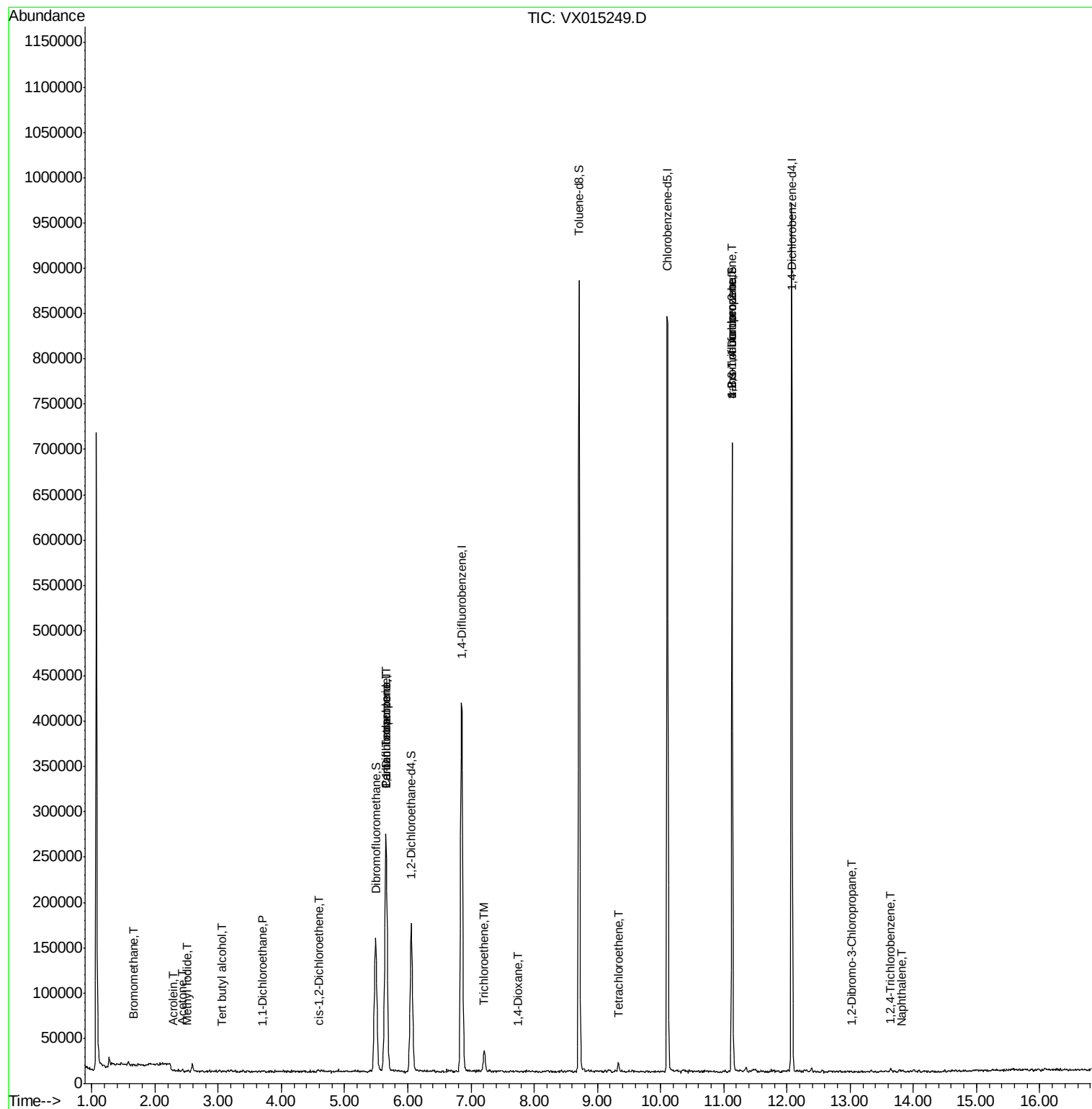
						Qvalue
5) Bromomethane	1.66	94	643	0.311	ug/l	98
10) Methyl Iodide	2.51	142	855	0.301	ug/l #	75
11) Tert butyl alcohol	3.06	59	121	0.220	ug/l #	72
13) Acrolein	2.29	56	283	0.547	ug/l #	79
16) Acetone	2.44	43	2816	2.192	ug/l #	80
24) 1,1-Dichloroethane	3.70	63	1119	0.223	ug/l #	49
27) cis-1,2-Dichloroethene	4.60	96	719	0.231	ug/l	47
36) 1,1-Dichloropropene	5.65	75	18358	4.711	ug/l #	55
38) Carbon Tetrachloride	5.65	117	23611	6.419	ug/l #	17
44) Trichloroethene	7.20	130	10388	3.226	ug/l	83
49) 1,4-Dioxane	7.74	88	108	1.543	ug/l #	1
64) Tetrachloroethene	9.33	164	2017	0.610	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	88777	21.738	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	88777	61.693	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.01	75	191	0.219	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.64	180	906	0.205	ug/l #	82
95) Naphthalene	13.82	128	984	1.490	ug/l #	57

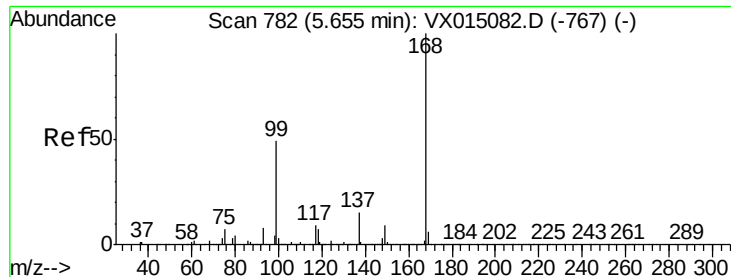
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 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: VX015249.D

Acq: 13 Mar 2020 11:11

Instrument :

MSVOA_X

ClientSampleId :

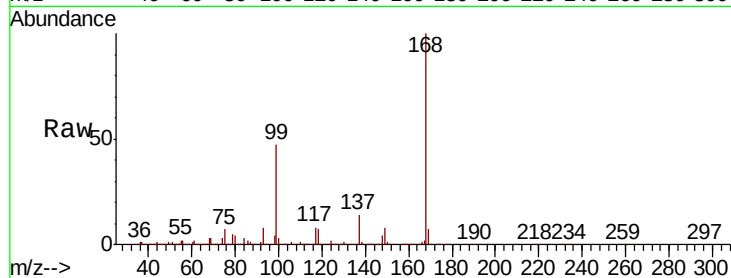
MW201D1-20200307

Tot Ion:168 Resp: 267357

Ion Ratio Lower Upper

168 100

99 46.5 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

80000

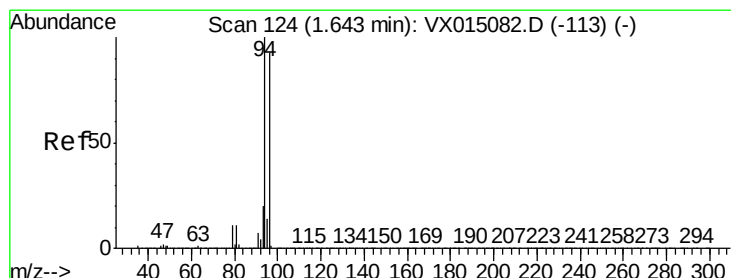
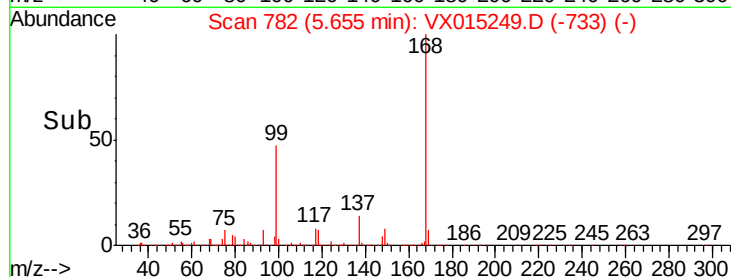
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.311 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015249.D

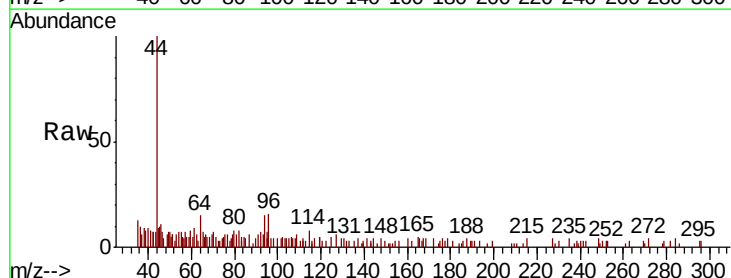
Acq: 13 Mar 2020 11:11

Tgt Ion: 94 Resp: 643

Ion Ratio Lower Upper

94 100

96 91.7 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

400

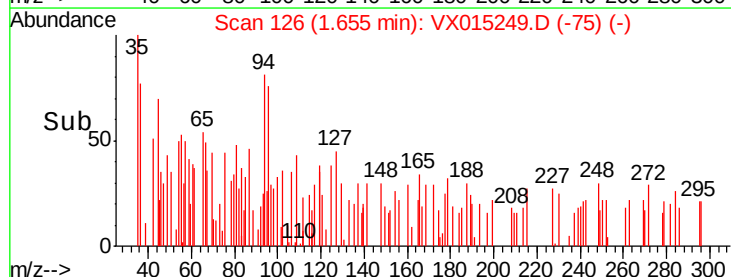
300

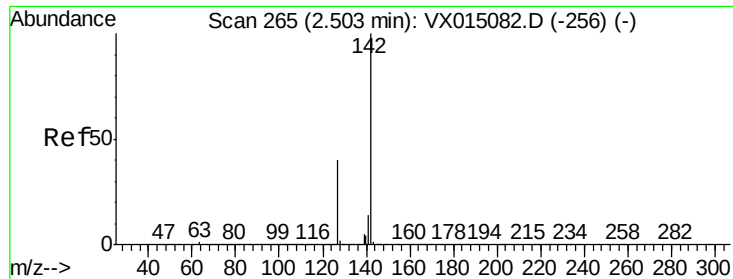
200

100

0

Time-->

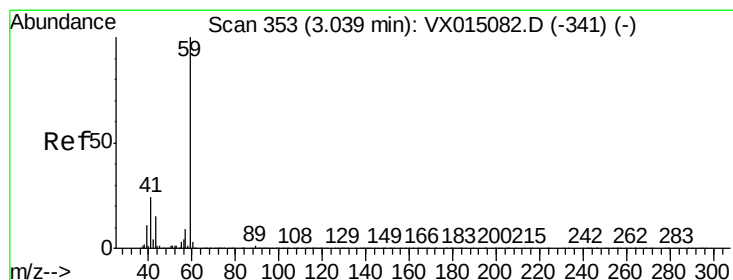
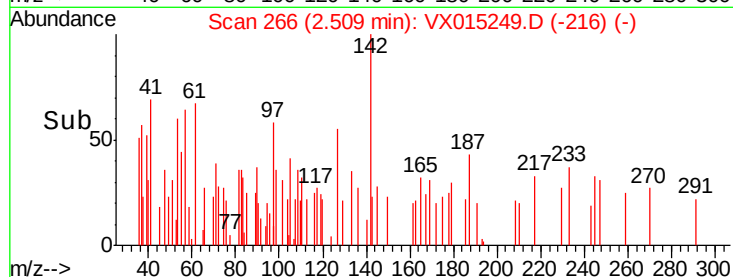
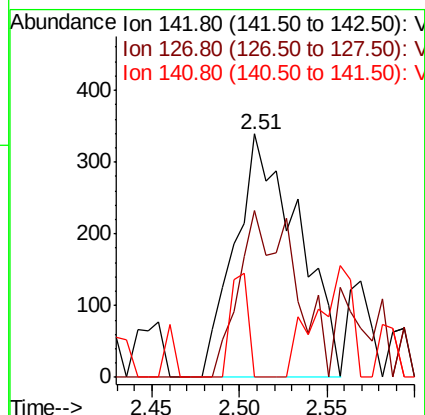
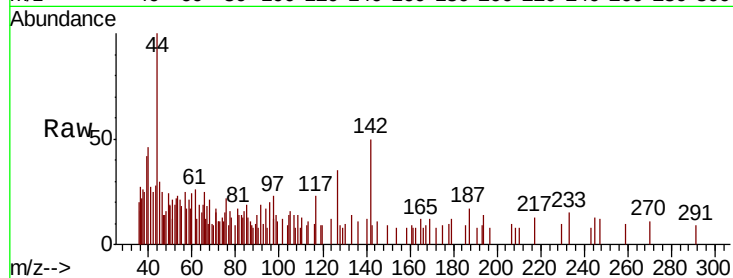




#10
Methvl Iodide
Concen: 0.301 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX015249.D
Acq: 13 Mar 2020 11:11

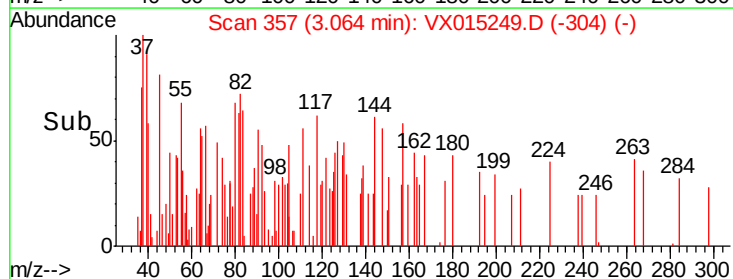
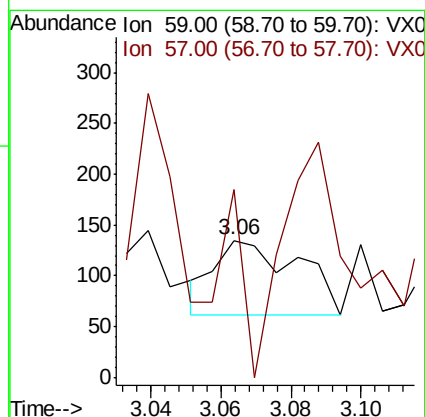
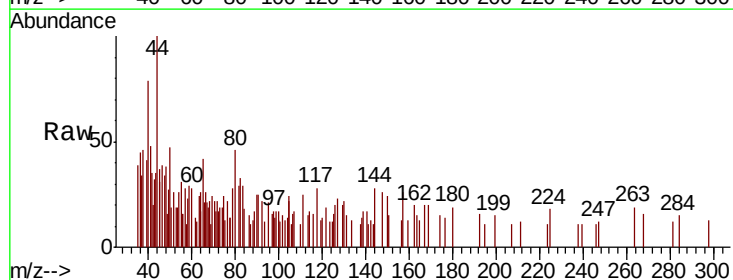
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20200307

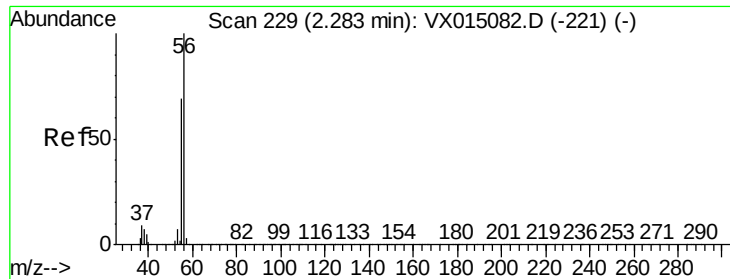
Tot Ion:142 Resp: 855
Ion Ratio Lower Upper
142 100
127 59.8 31.7 47.5#
141 12.2 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.220 ug/l
RT: 3.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VX015249.D
Acq: 13 Mar 2020 11:11

Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

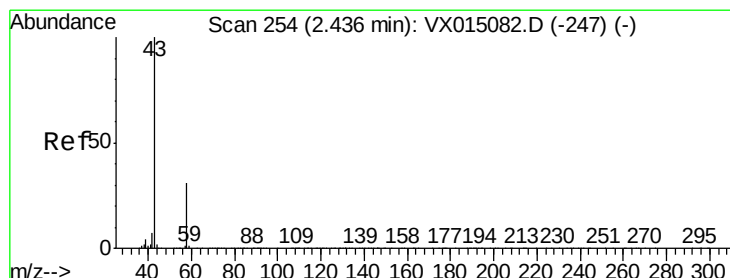
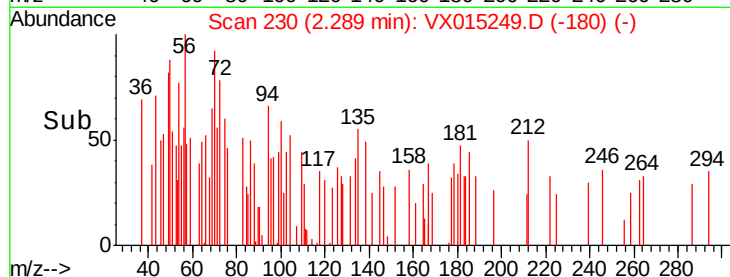
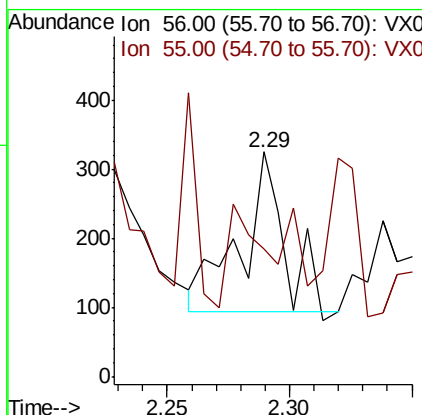
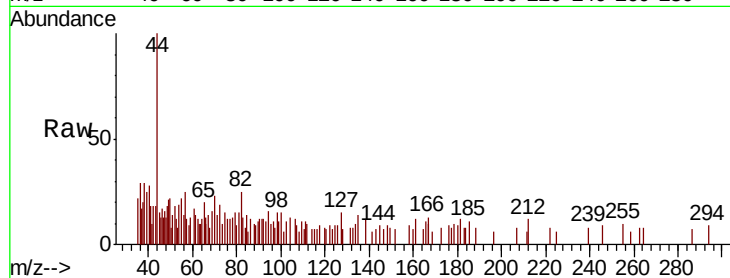




#13
Acrolein
Concen: 0.547 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX015249.D
Acq: 13 Mar 2020 11:11

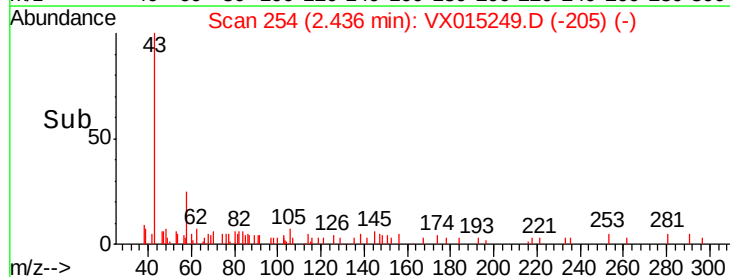
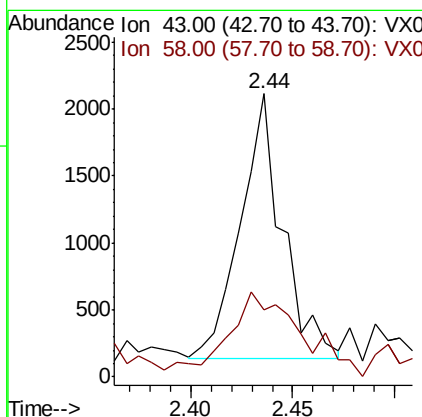
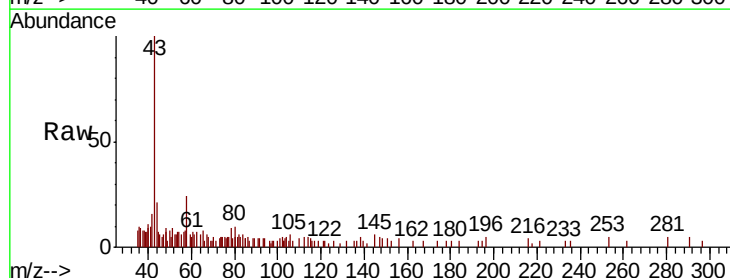
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20200307

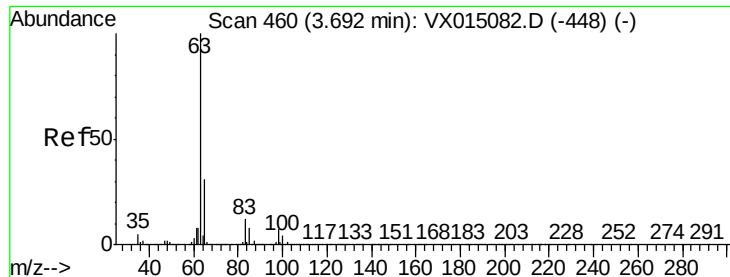
Tot Ion: 56 Resp: 283
Ion Ratio Lower Upper
56 100
55 51.9 55.4 83.0#



#16
Acetone
Concen: 2.192 ug/l
RT: 2.44 min Scan# 254
Delta R.T. -0.00 min
Lab File: VX015249.D
Acq: 13 Mar 2020 11:11

Tgt Ion: 43 Resp: 2816
Ion Ratio Lower Upper
43 100
58 20.1 24.8 37.2#





#24

1,1-Dichloroethane

Concen: 0.223 ug/l

RT: 3.70 min Scan# 462

Delta R.T. 0.01 min

Lab File: VX015249.D

Acq: 13 Mar 2020 11:11

Instrument :

MSVOA_X

ClientSampleId :

MW201D1-20200307

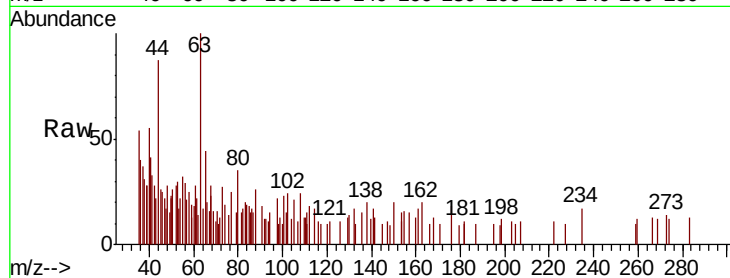
Tot Ion: 63 Resp: 1119

Ion Ratio Lower Upper

63 100

98 0.0 3.7 11.1#

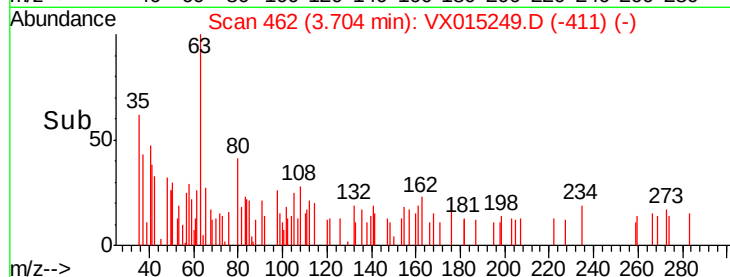
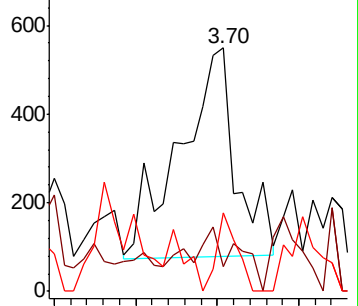
100 38.2 2.1 6.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.231 ug/l

RT: 4.60 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX015249.D

Acq: 13 Mar 2020 11:11

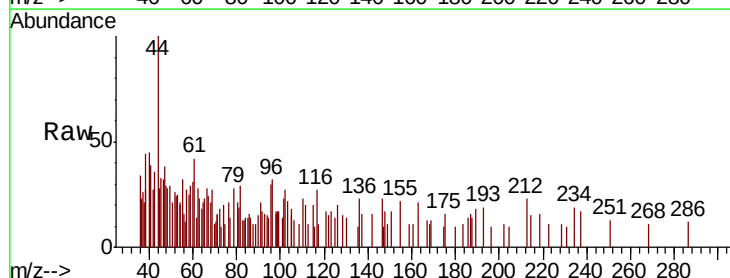
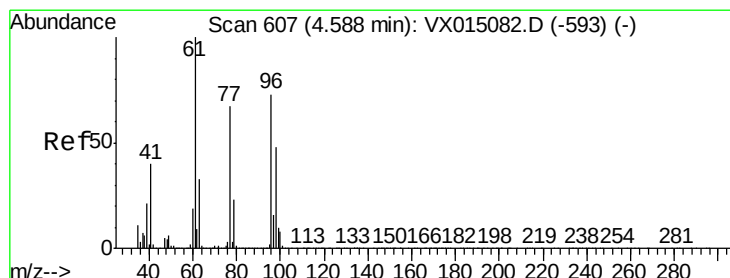
Tgt Ion: 96 Resp: 719

Ion Ratio Lower Upper

96 100

61 69.1 0.0 286.8

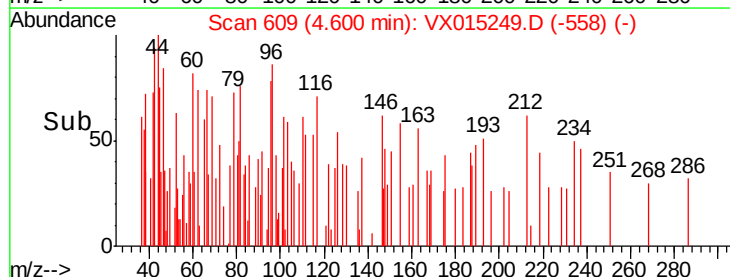
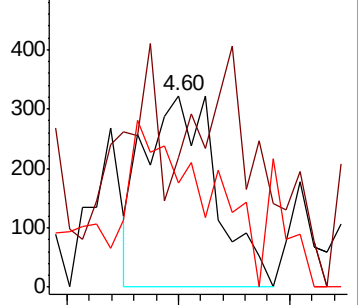
98 93.0 0.0 128.4

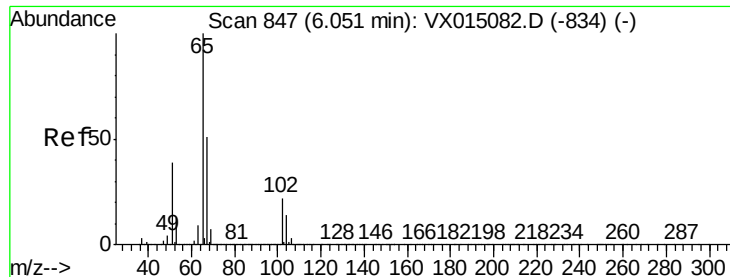


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

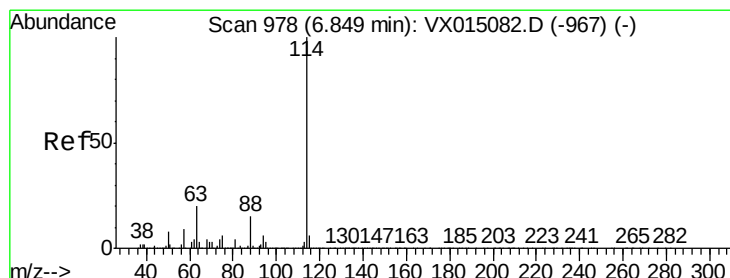
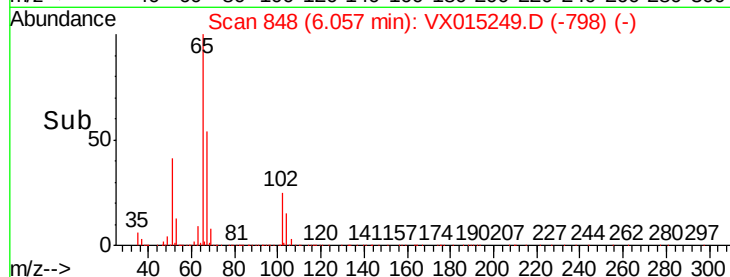
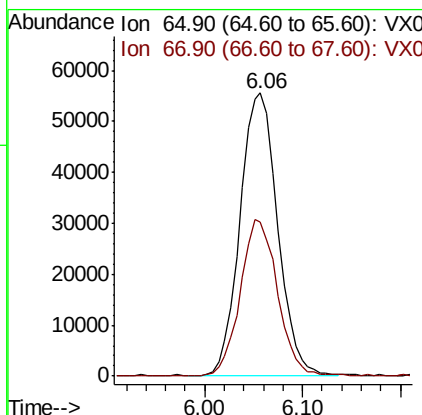
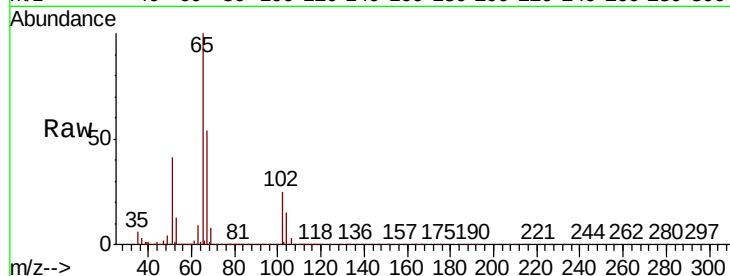




#33
 1,2-Dichloroethane-d4
 Concen: 46.459 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX015249.D
 Acq: 13 Mar 2020 11:11

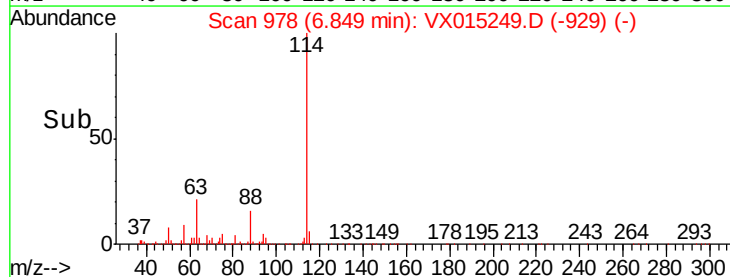
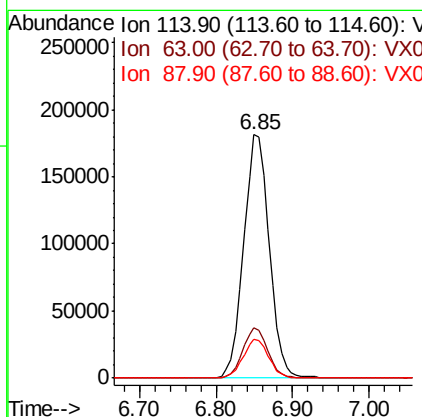
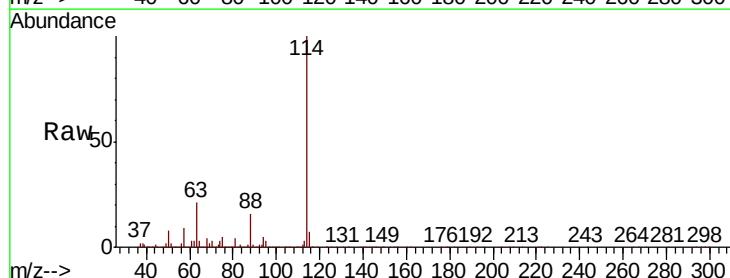
Instrument :
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 ClientSampleId :
 MW201D1-20200307

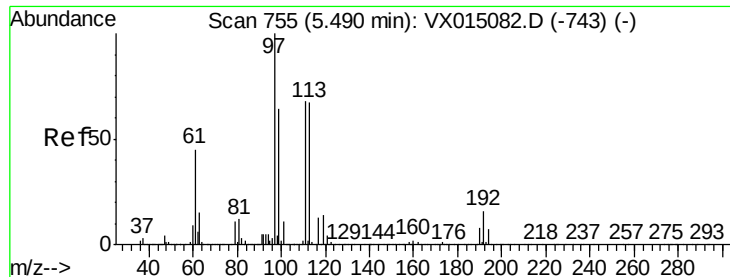
Tot Ion: 65 Resp: 147360
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX015249.D
 Acq: 13 Mar 2020 11:11

Tgt Ion: 114 Resp: 421540
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 15.6 0.0 30.6

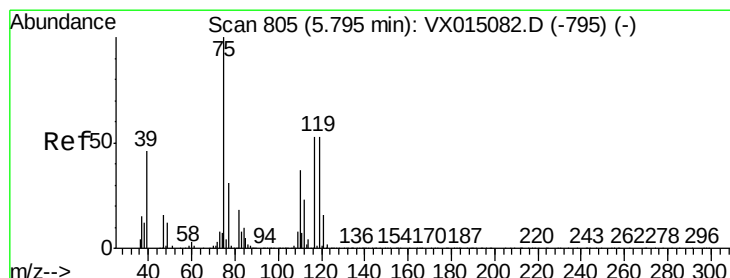
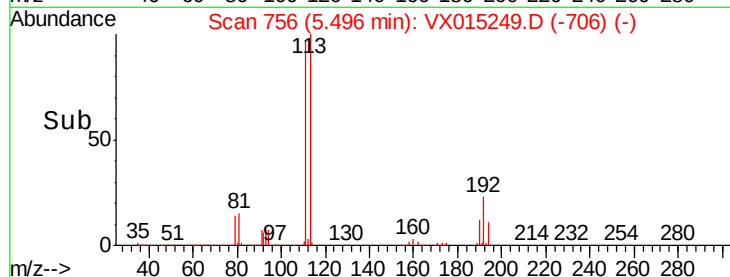
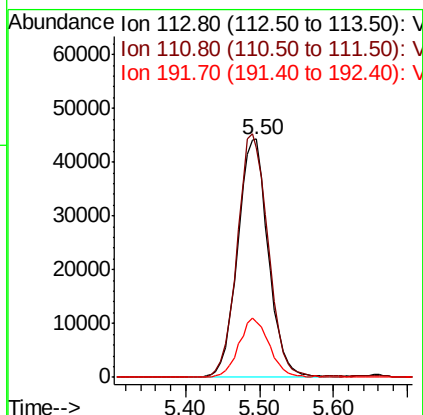
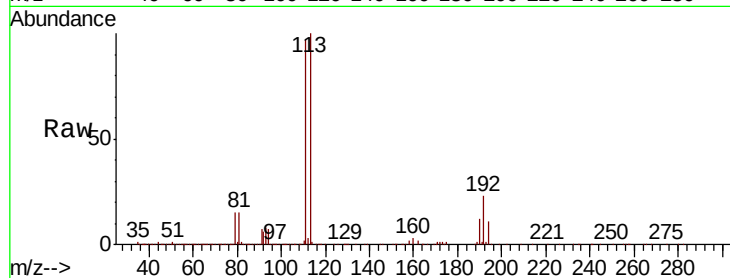




#35
 Dibromofluoromethane
 Concen: 48.023 ug/l
 RT: 5.50 min Scan# 756
 Delta R.T. 0.01 min
 Lab File: VX015249.D
 Acq: 13 Mar 2020 11:11

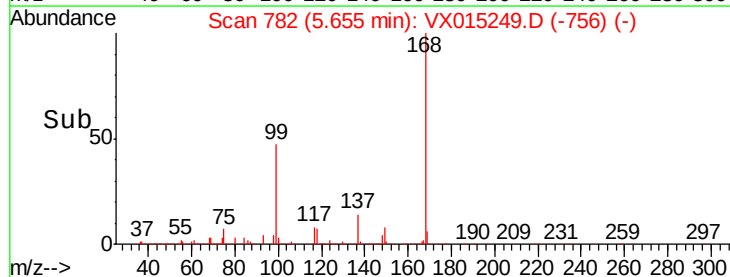
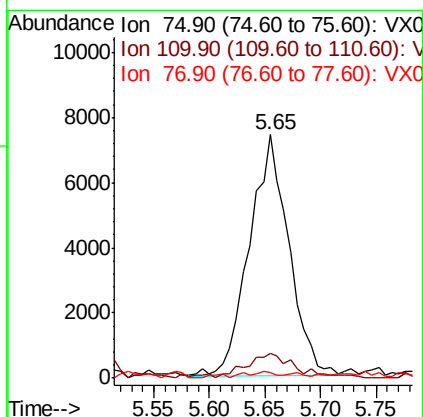
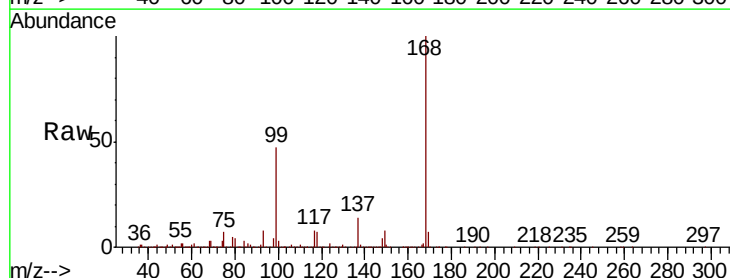
Instrument :
 MSVOA_X
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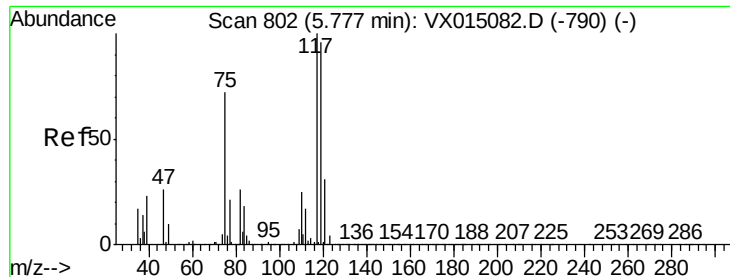
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	24.6	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 4.711 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015249.D
 Acq: 13 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	13.0	17.9	53.8#
77	2.1	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.419 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX015249.D

Acq: 13 Mar 2020 11:11

Instrument :

MSVOA_X

ClientSampleId :

MW201D1-20200307

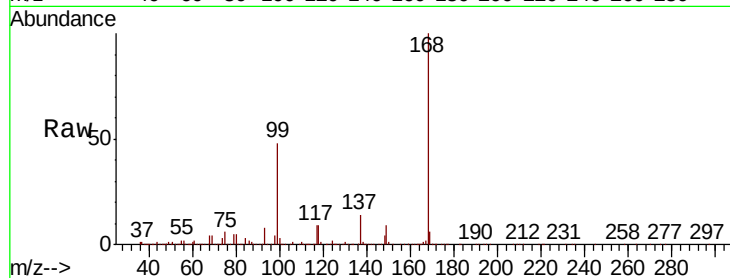
Tot Ion:117 Resp: 23611

Ion Ratio Lower Upper

117 100

119 5.6 76.9 115.3#

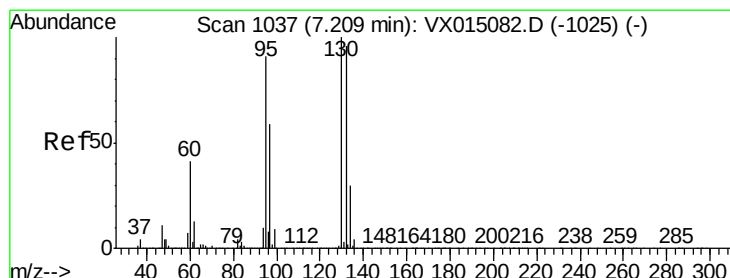
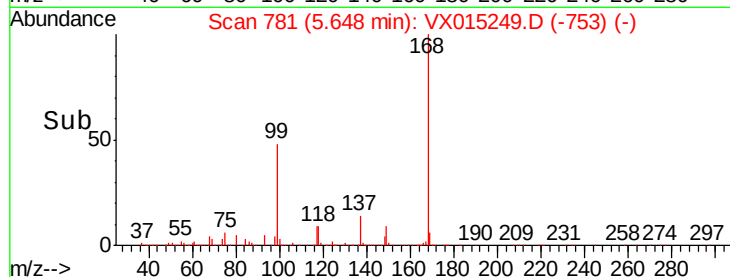
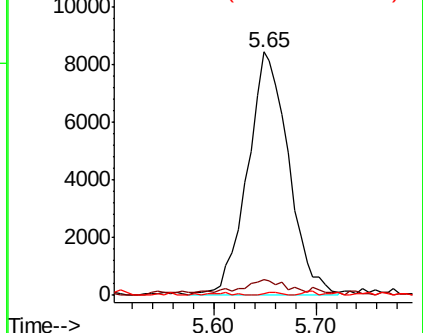
121 0.8 24.6 37.0#



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: 3.226 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX015249.D

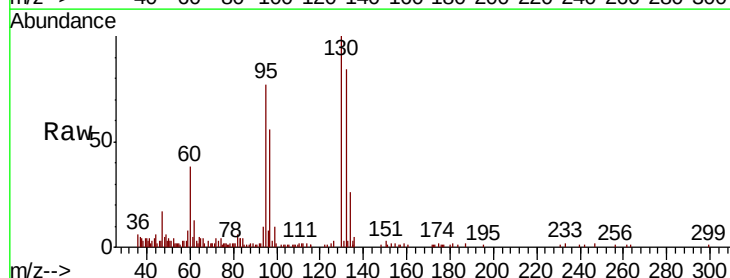
Acq: 13 Mar 2020 11:11

Tgt Ion:130 Resp: 10388

Ion Ratio Lower Upper

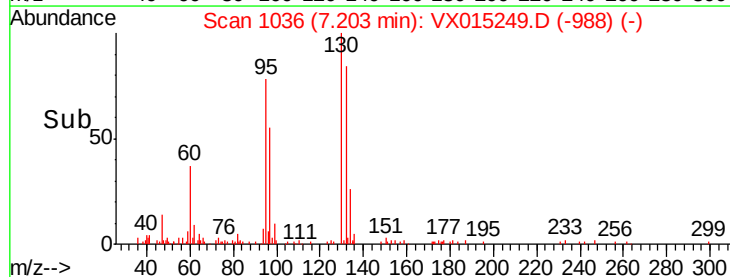
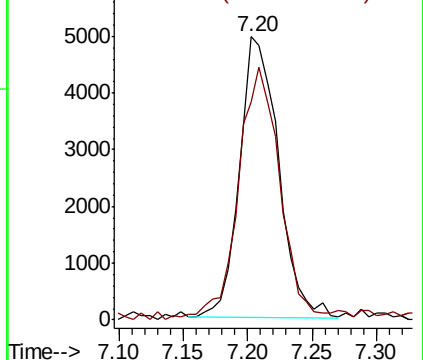
130 100

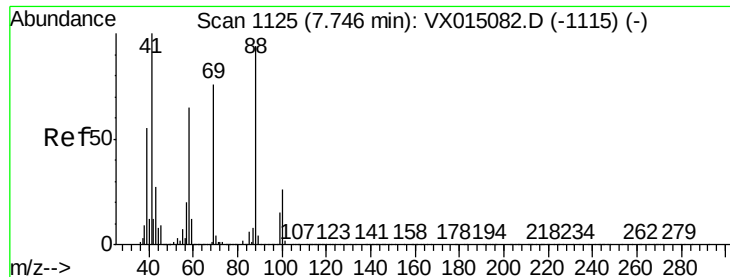
95 74.6 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

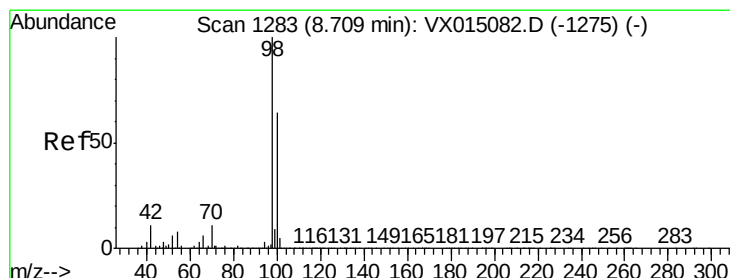
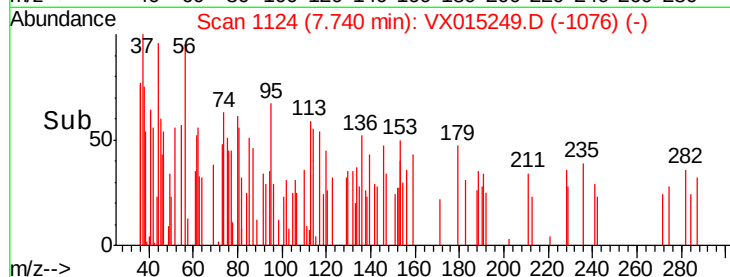
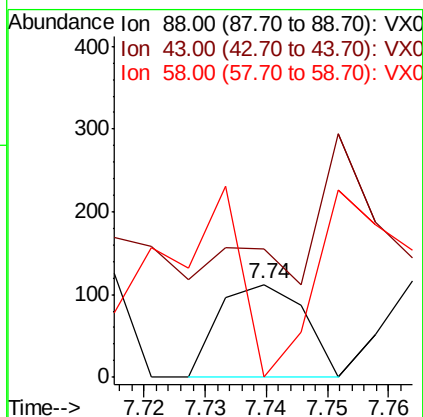
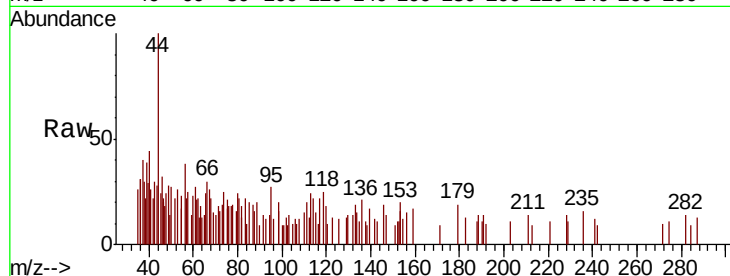




#49
1,4-Dioxane
Concen: 1.543 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VX015249.D
Acq: 13 Mar 2020 11:11

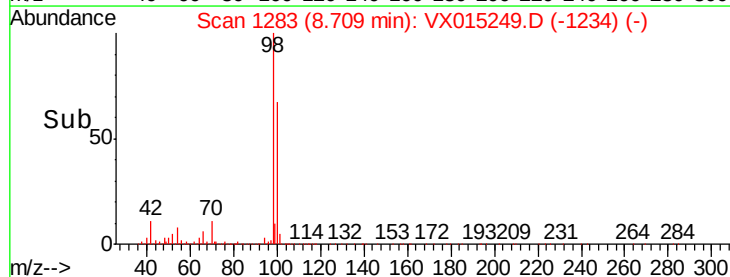
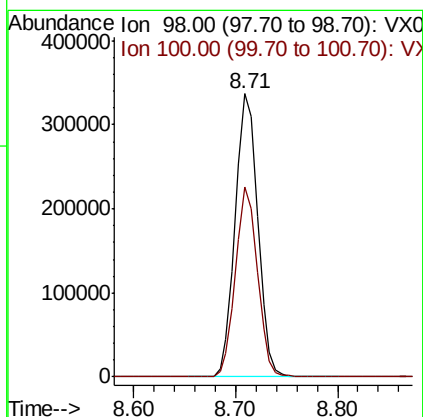
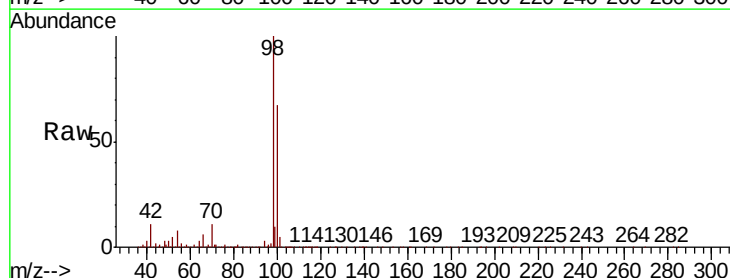
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20200307

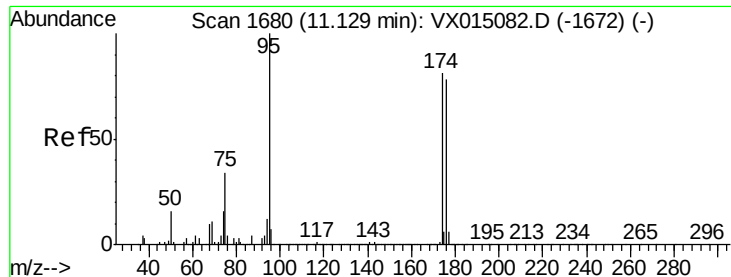
Tot Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 175.9 55.6 83.4#



#50
Toluene-d8
Concen: 50.944 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015249.D
Acq: 13 Mar 2020 11:11

Tgt Ion: 98 Resp: 515339
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 52.204 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015249.D

Acq: 13 Mar 2020 11:11

Instrument :

MSVOA_X

ClientSampleId :

MW201D1-20200307

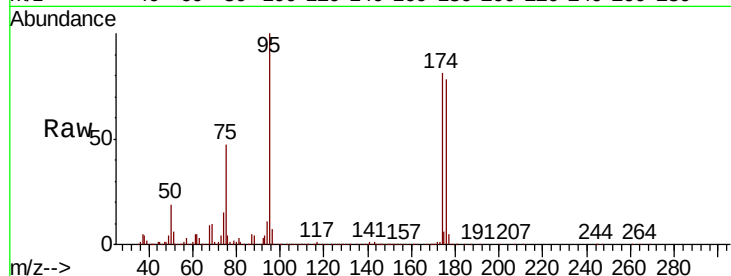
Tot Ion: 95 Resp: 188365

Ion Ratio Lower Upper

95 100

174 91.1 0.0 177.6

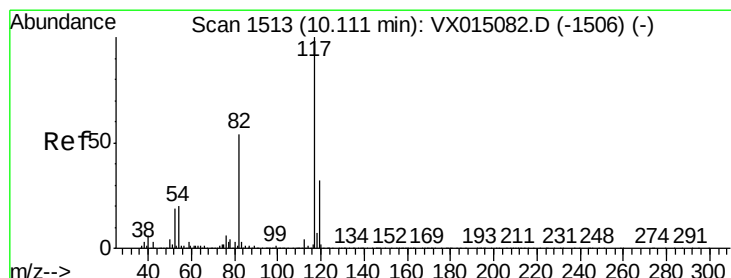
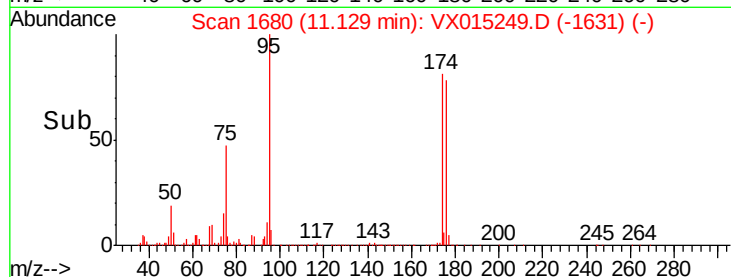
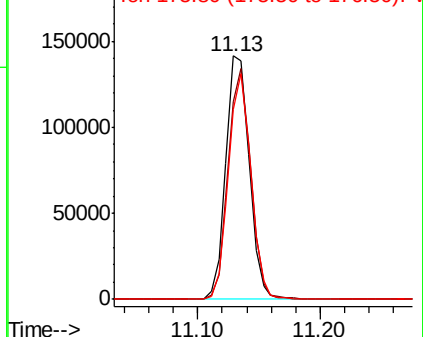
176 88.3 0.0 170.2



Abundance Ion 94.90 (94.60 to 95.60): VX015082.D (-1672) (-)

Ion 173.80 (173.50 to 174.50): VX015082.D (-1672) (-)

Ion 175.80 (175.50 to 176.50): VX015082.D (-1672) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX015249.D

Acq: 13 Mar 2020 11:11

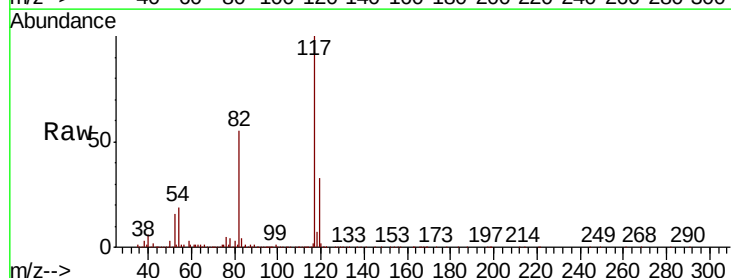
Tgt Ion: 117 Resp: 399827

Ion Ratio Lower Upper

117 100

82 55.2 43.3 64.9

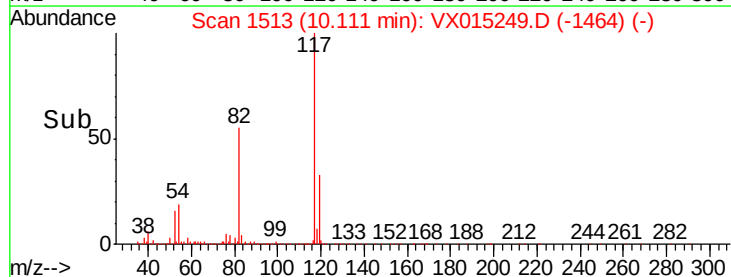
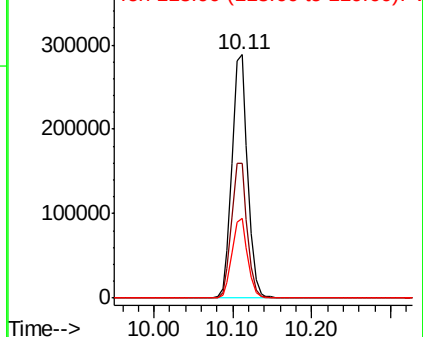
119 32.7 25.8 38.8

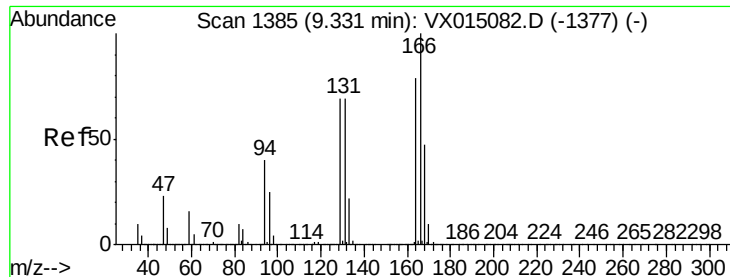


Abundance Ion 116.90 (116.60 to 117.60): VX015082.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX015082.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX015082.D (-1506) (-)





#64

Tetrachloroethene

Concen: 0.610 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX015249.D

Acq: 13 Mar 2020 11:11

Instrument :

MSVOA_X

ClientSampleId :

MW201D1-20200307

Tot Ion:164 Resp: 2017

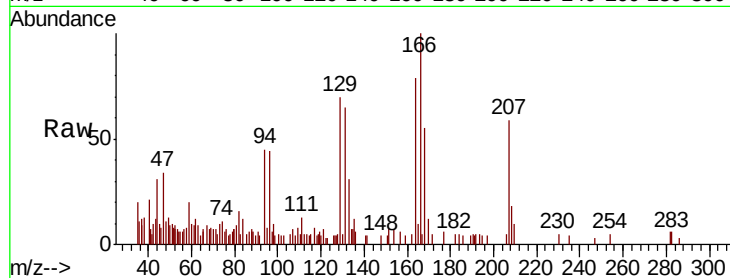
Ion Ratio Lower Upper

164 100

166 127.0 101.1 151.7

129 88.9 69.4 104.0

131 76.9 69.8 104.8

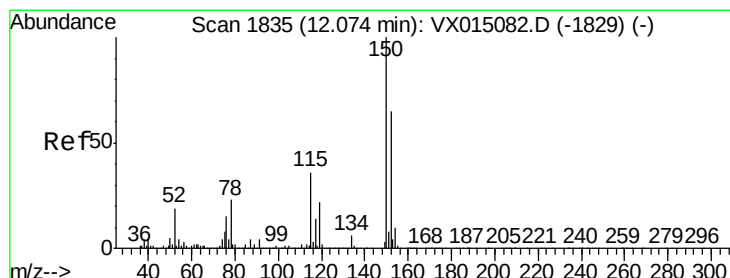
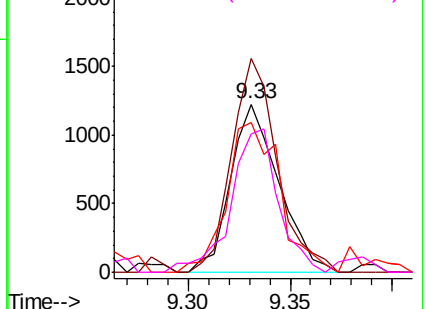
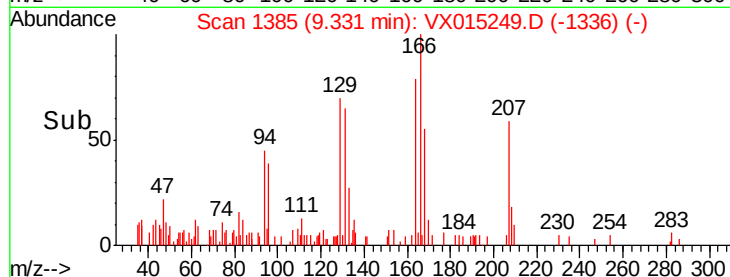


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX015249.D

Acq: 13 Mar 2020 11:11

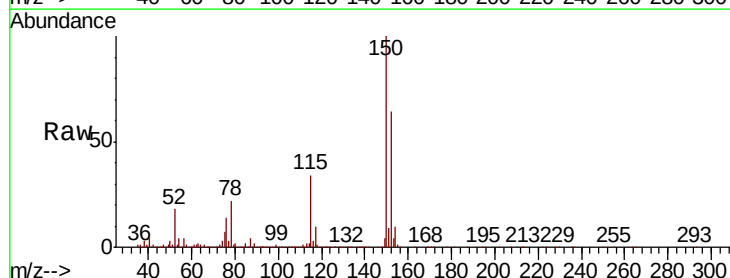
Tgt Ion:152 Resp: 204740

Ion Ratio Lower Upper

152 100

115 54.8 38.2 114.6

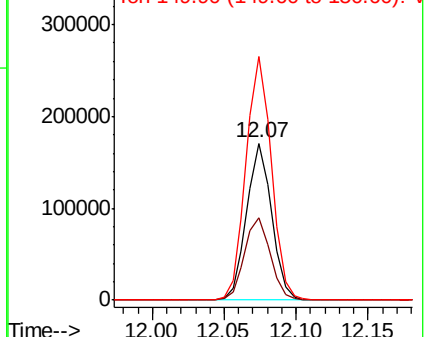
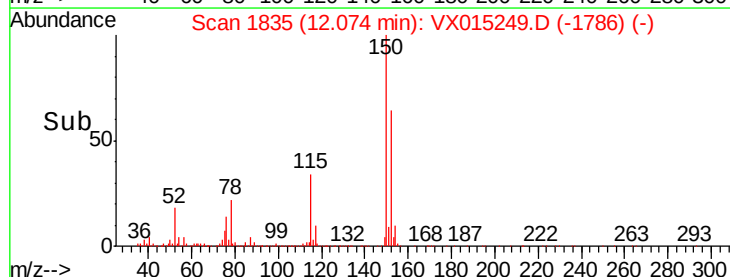
150 158.2 0.0 343.8

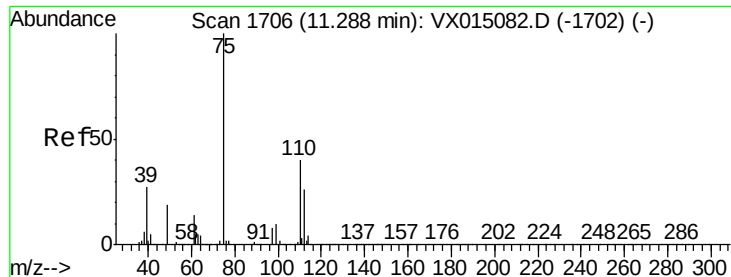


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.738 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015249.D

Acq: 13 Mar 2020 11:11

Instrument :

MSVOA_X

ClientSampleId :

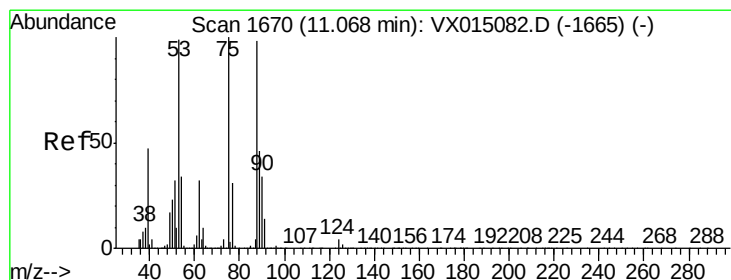
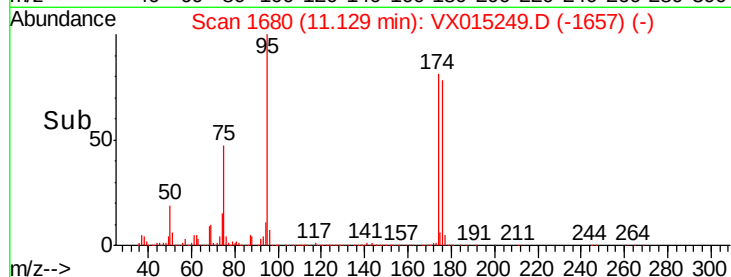
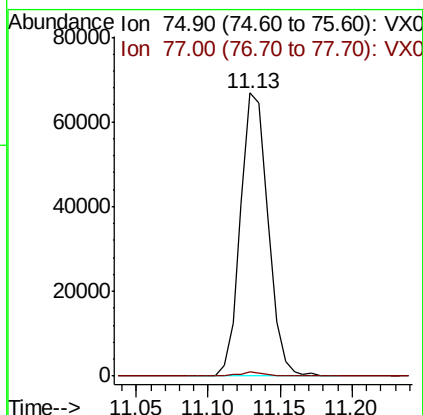
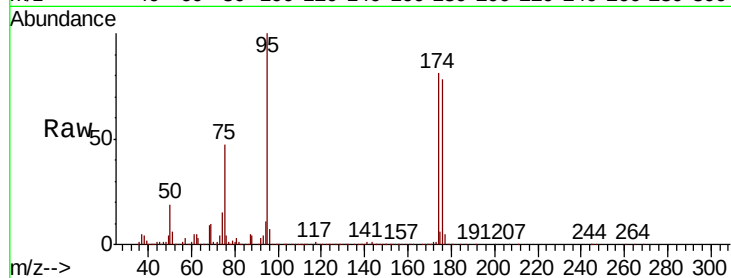
MW201D1-20200307

Tot Ion: 75 Resp: 88777

Ion Ratio Lower Upper

75 100

77 1.7 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.693 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015249.D

Acq: 13 Mar 2020 11:11

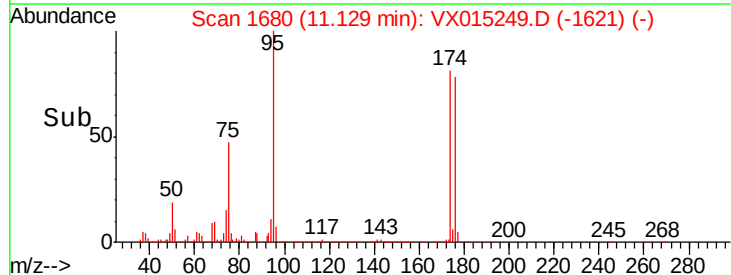
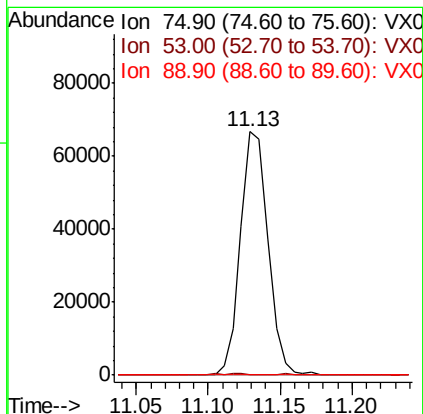
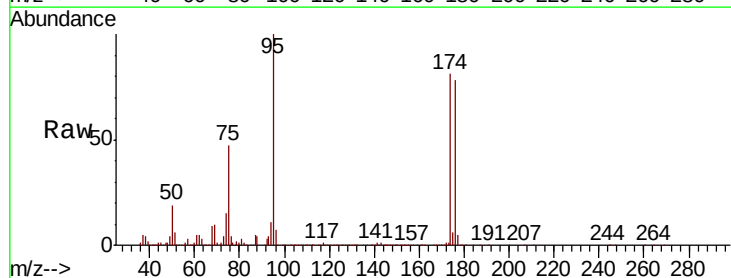
Tgt Ion: 75 Resp: 88777

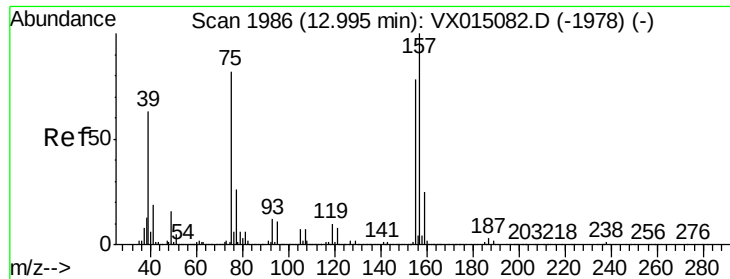
Ion Ratio Lower Upper

75 100

53 0.3 77.9 116.9#

89 0.0 36.2 54.2#

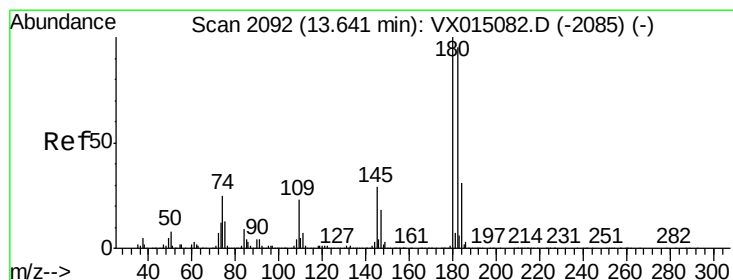
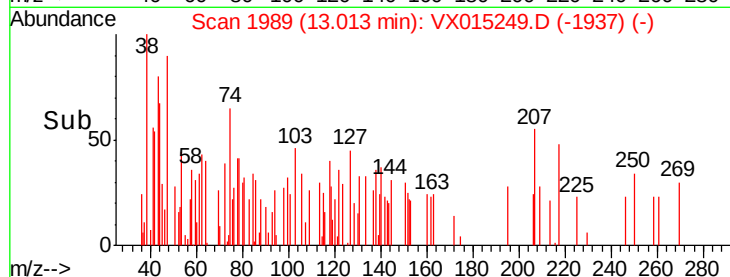
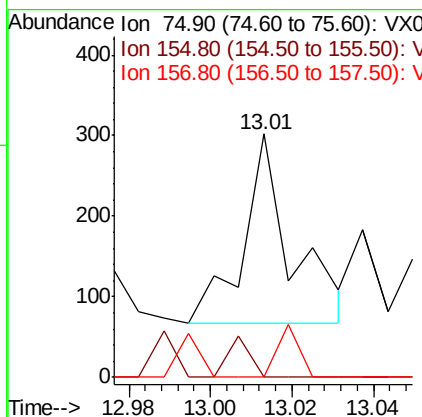
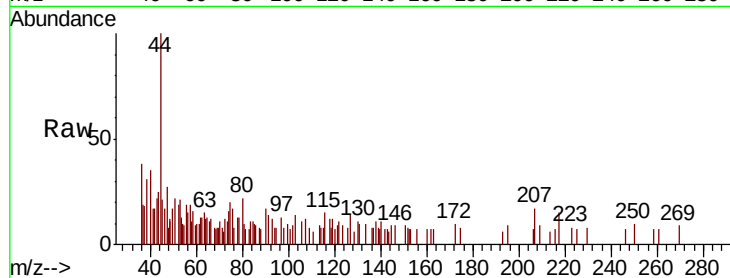




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.219 ug/l
 RT: 13.01 min Scan# 1989
 Delta R.T. 0.02 min
 Lab File: VX015249.D
 Acq: 13 Mar 2020 11:11

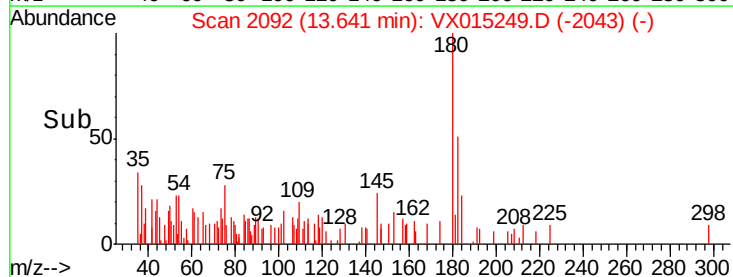
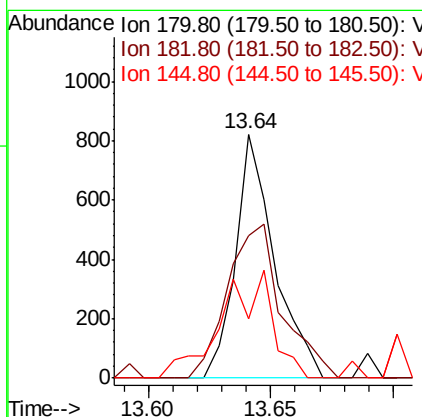
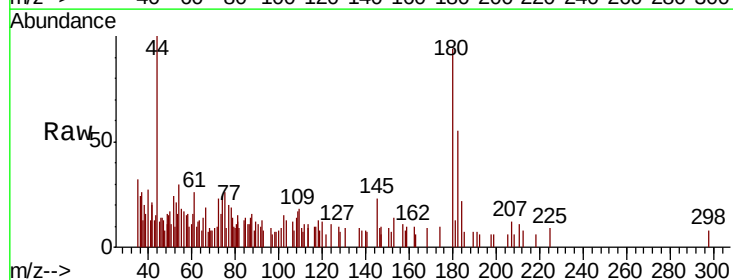
Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D1-20200307

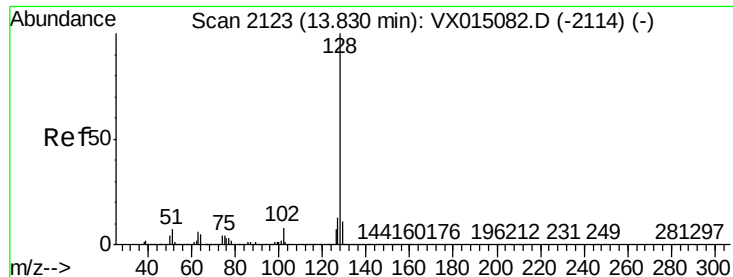
Tot Ion: 75 Resp: 191
 Ion Ratio Lower Upper
 75 100
 155 9.9 46.6 139.7#
 157 12.6 59.2 177.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.205 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX015249.D
 Acq: 13 Mar 2020 11:11

Tgt Ion: 180 Resp: 906
 Ion Ratio Lower Upper
 180 100
 182 88.7 47.6 142.8
 145 57.8 14.1 42.2#





#95

Naphthalene

Concen: 1.490 ug/l

RT: 13.82 min Scan# 2122

Delta R.T. -0.01 min

Lab File: VX015249.D

Acq: 13 Mar 2020 11:11

Instrument :

MSVOA_X

ClientSampleId :

MW201D1-20200307

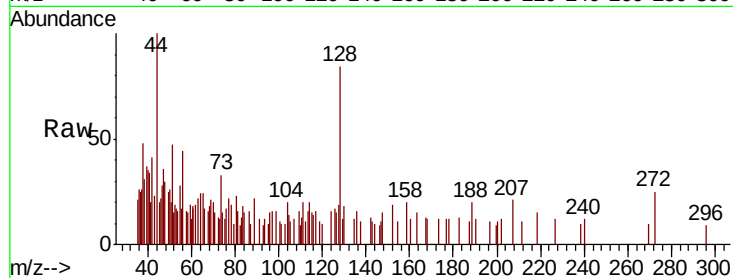
Tot Ion:128 Resp: 984

Ion Ratio Lower Upper

128 100

127 34.9 10.3 15.5#

129 21.1 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

