

Data File : VX015192.D
Acq On : 11 Mar 2020 12:00
Operator : JC/SP
Sample : L1860-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Quant Time: Mar 12 05:45:02 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	300752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	485779	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	483167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	243697	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	174655	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	5.49	113	152810	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.71	98	602238	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.13	95	222467	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

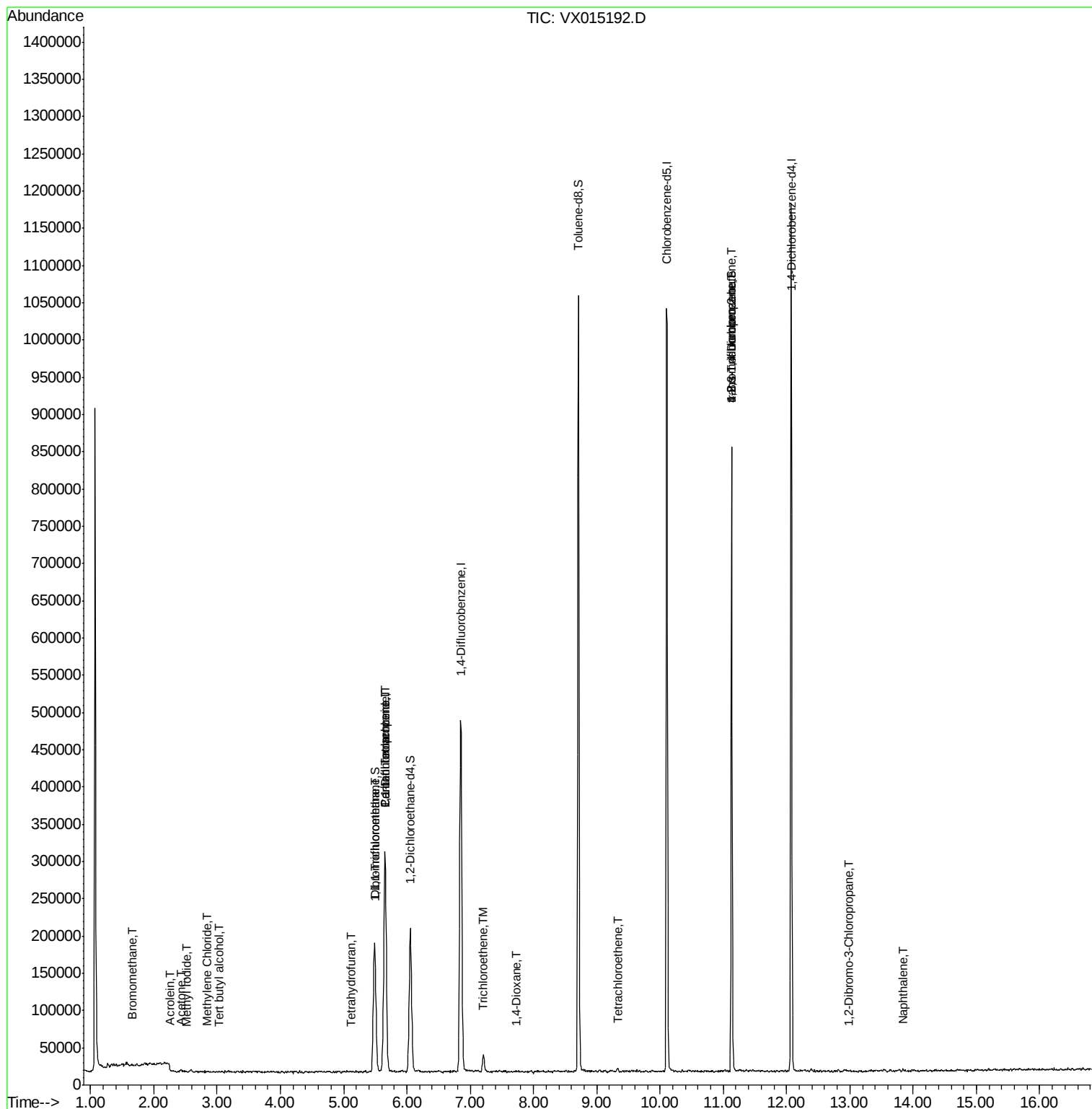
Target Compounds				Qvalue		
5) Bromomethane	1.66	94	771	0.332	ug/l	93
10) Methyl Iodide	2.51	142	948	0.296	ug/l #	92
11) Tert butyl alcohol	3.03	59	263	0.425	ug/l #	72
13) Acrolein	2.27	56	454	0.780	ug/l #	7
16) Acetone	2.43	43	4279	2.961	ug/l	92
20) Methylene Chloride	2.84	84	889	0.263	ug/l #	72
29) Tetrahydrofuran	5.12	42	448	0.329	ug/l #	63
32) 1,1,1-Trichloroethane	5.50	97	935	0.205	ug/l #	23
36) 1,1-Dichloropropene	5.65	75	21463	4.779	ug/l #	52
38) Carbon Tetrachloride	5.65	117	27469	6.480	ug/l #	17
44) Trichloroethene	7.21	130	10269	2.768	ug/l	93
49) 1,4-Dioxane	7.73	88	323	4.005	ug/l #	23
64) Tetrachloroethene	9.34	164	1088	0.272	ug/l #	72
76) 1,2,3-Trichloropropane	11.13	75	106571	21.924	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	106571	62.219	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.98	75	234	0.225	ug/l #	60
95) Naphthalene	13.83	128	632	1.458	ug/l #	38

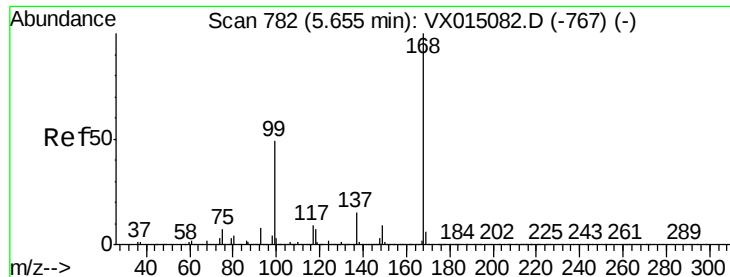
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015192.D

Acq: 11 Mar 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

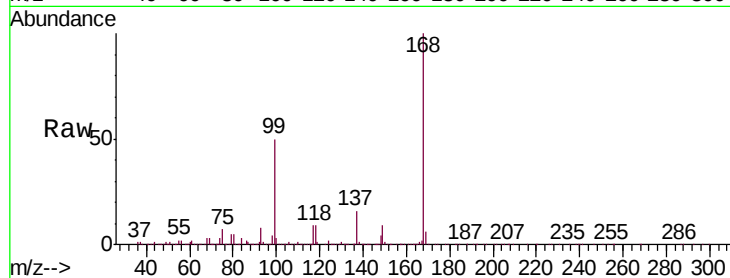
MW-2

Tgt Ion:168 Resp: 300752

Ion Ratio Lower Upper

168 100

99 50.0 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

120000

100000

80000

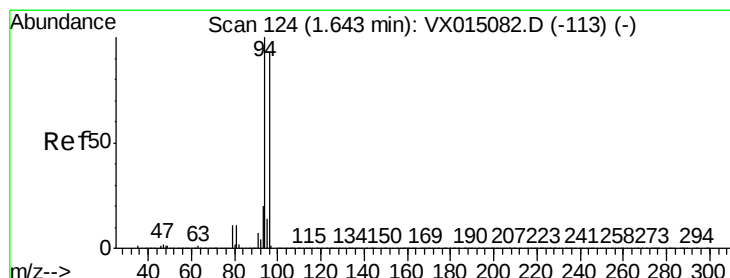
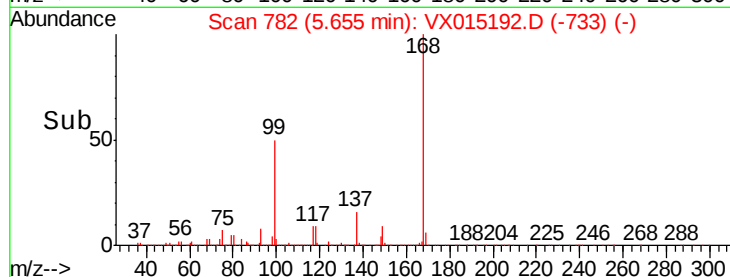
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.332 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015192.D

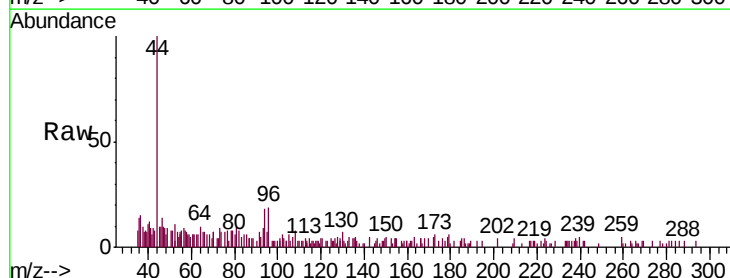
Acq: 11 Mar 2020 12:00

Tgt Ion: 94 Resp: 771

Ion Ratio Lower Upper

94 100

96 100.0 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

500

400

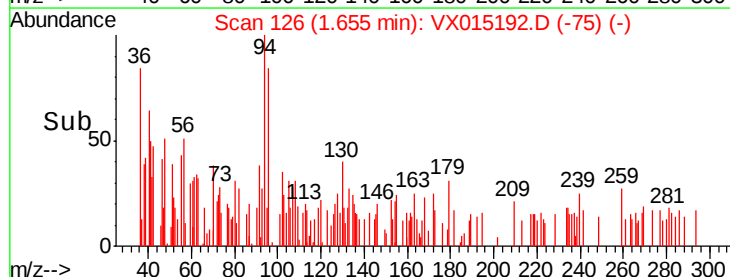
300

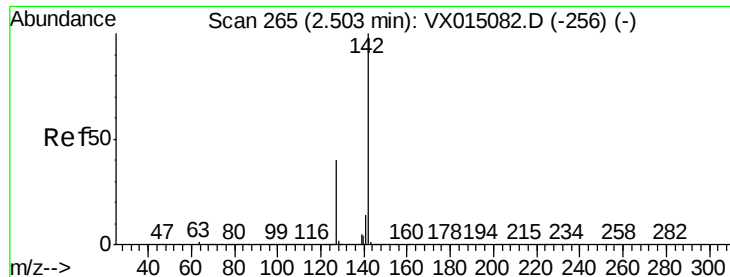
200

100

0

Time-->

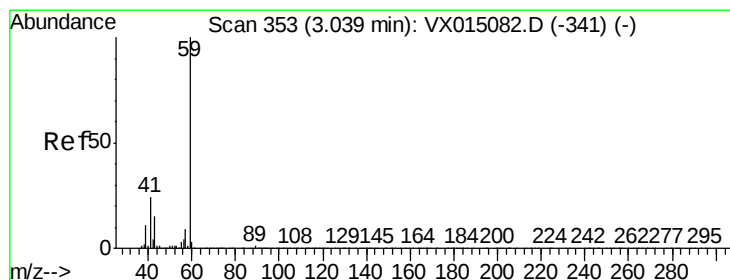
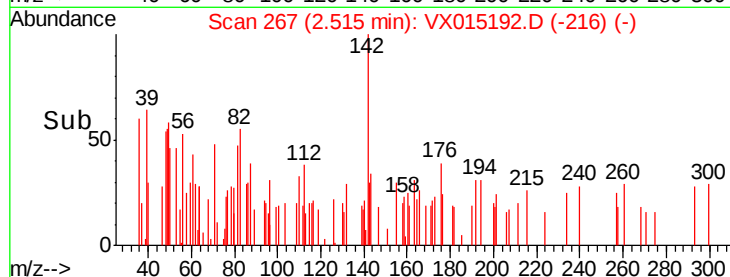
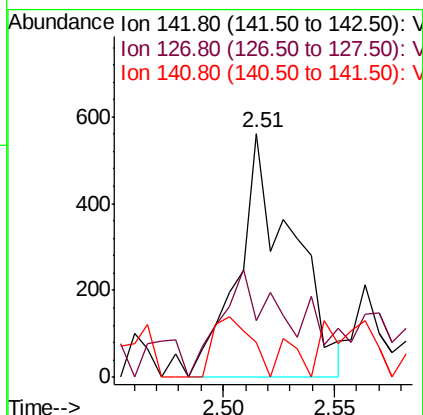
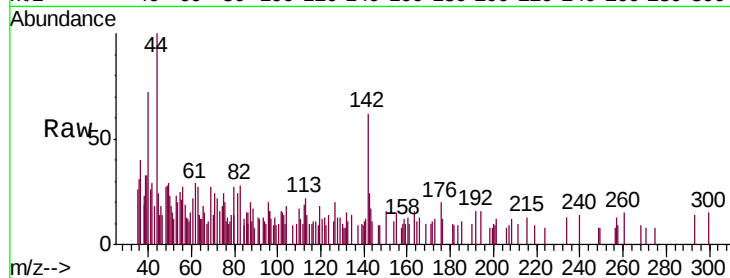




#10
Methyl Iodide
Concen: 0.296 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX015192.D
Acq: 11 Mar 2020 12:00

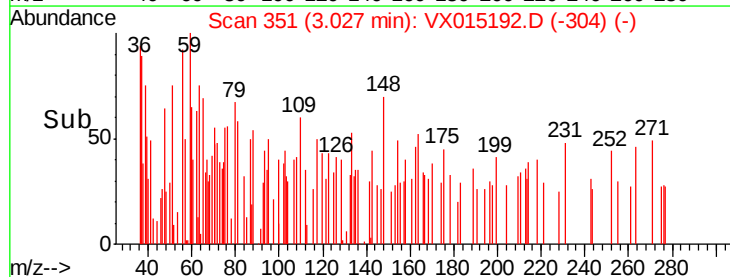
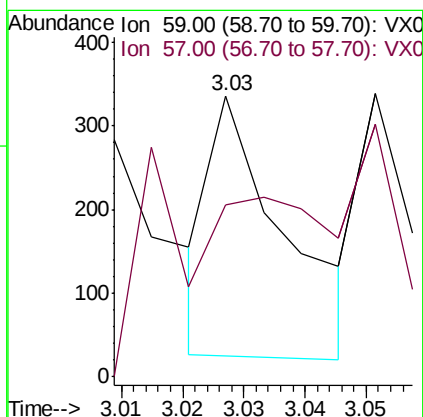
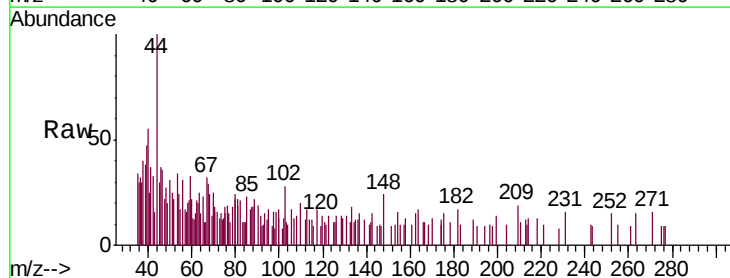
Instrument :
MSVOA_X
ClientSampleId :
MW-2

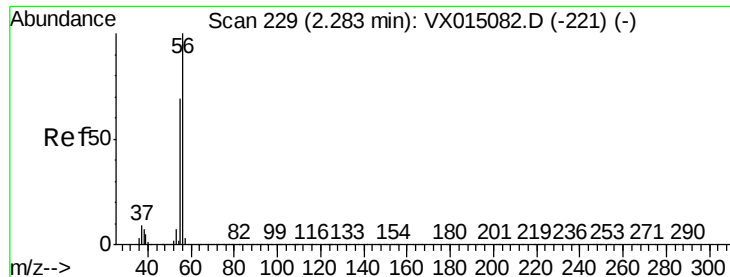
Tgt Ion: 142 Resp: 948
Ion Ratio Lower Upper
142 100
127 44.8 31.7 47.5
141 17.3 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.425 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX015192.D
Acq: 11 Mar 2020 12:00

Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.780 ug/l

RT: 2.27 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX015192.D

Acq: 11 Mar 2020 12:00

Instrument :

MSVOA_X

ClientSampled :

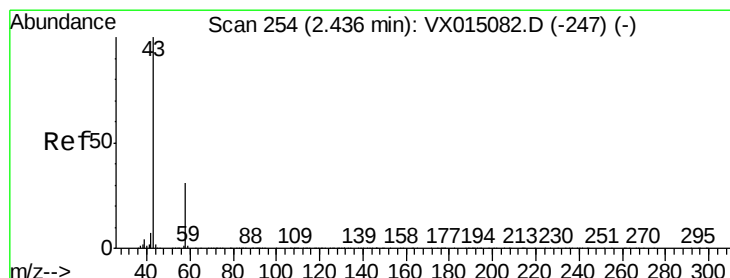
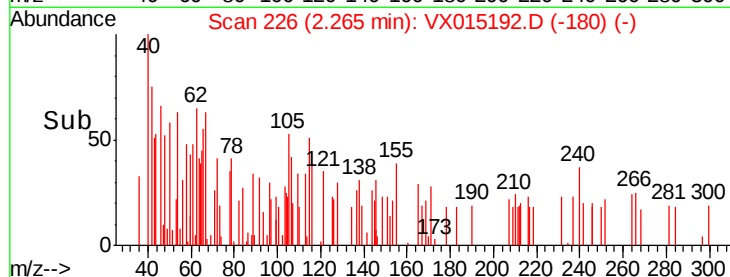
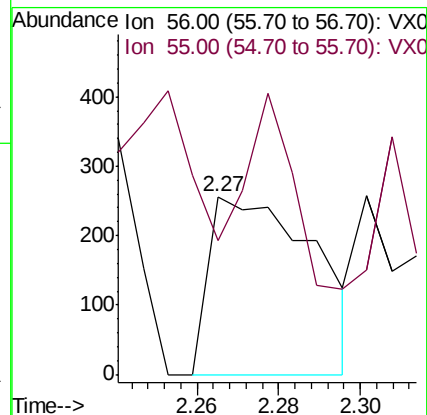
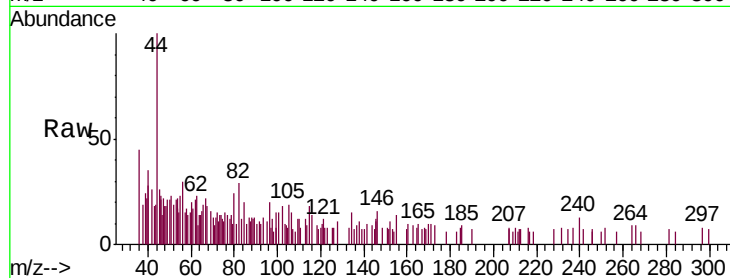
MW-2

Tgt Ion: 56 Resp: 454

Ion Ratio Lower Upper

56 100

55 145.2 55.4 83.0#



#16

Acetone

Concen: 2.961 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015192.D

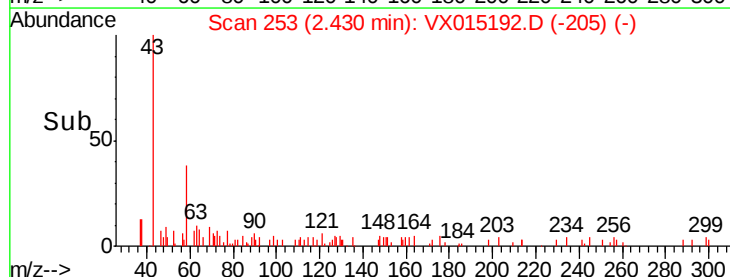
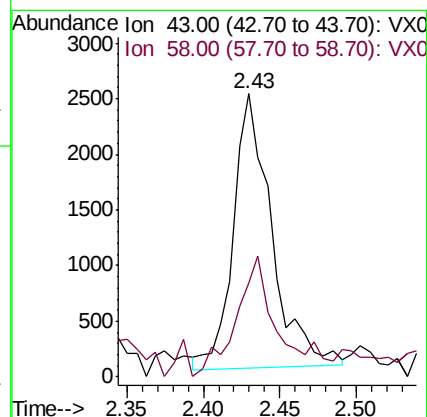
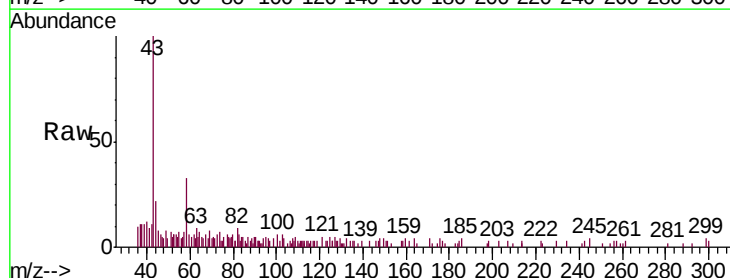
Acq: 11 Mar 2020 12:00

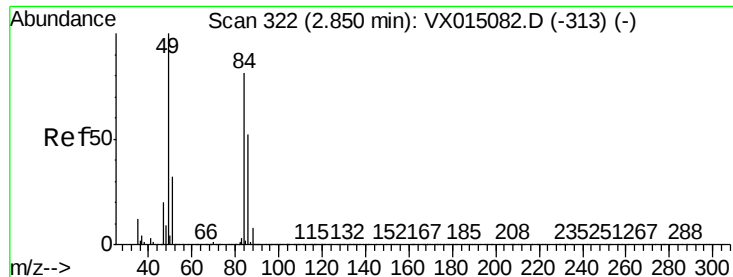
Tgt Ion: 43 Resp: 4279

Ion Ratio Lower Upper

43 100

58 35.5 24.8 37.2

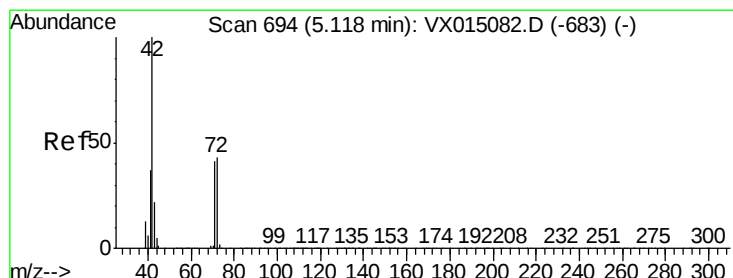
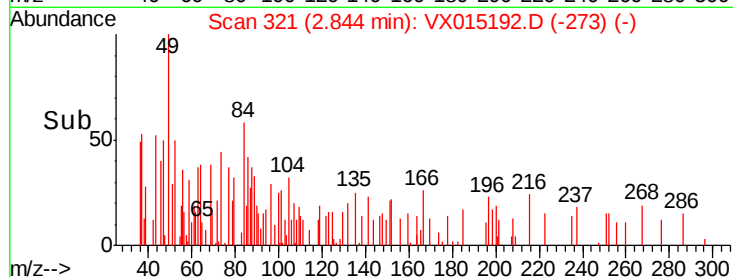
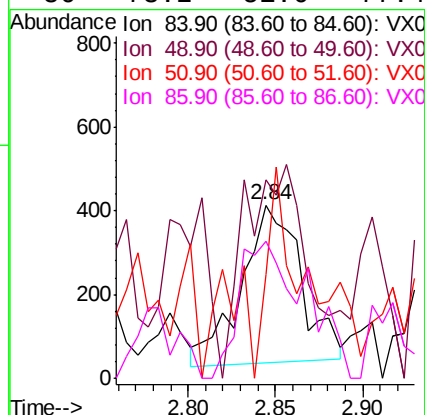
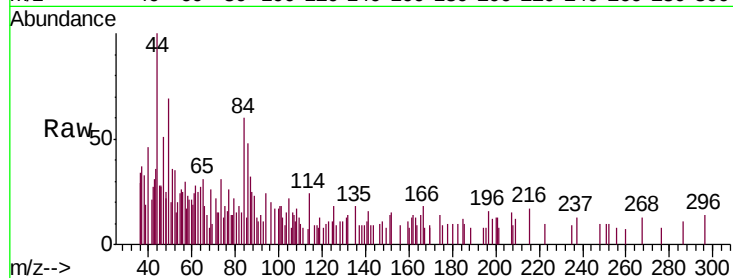




#20
Methylene Chloride
Concen: 0.263 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX015192.D
Acq: 11 Mar 2020 12:00

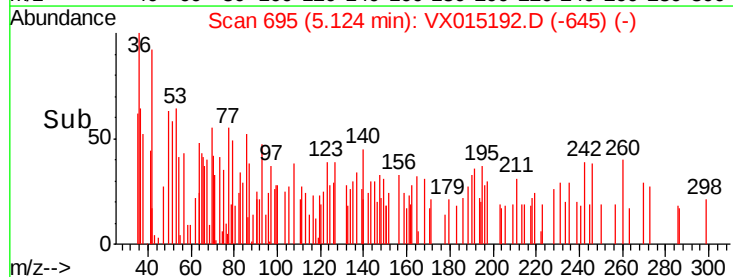
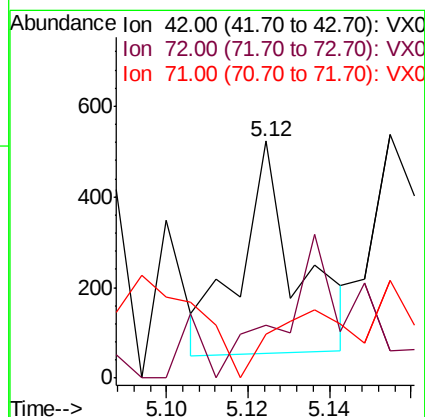
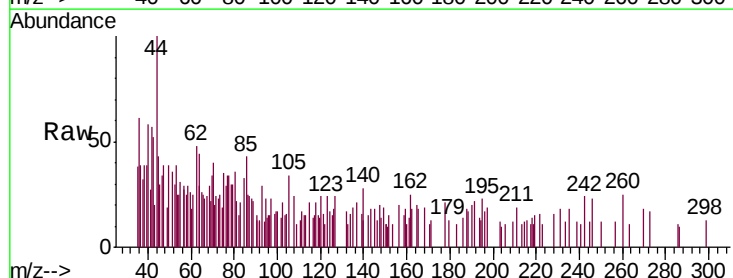
Instrument :
MSVOA_X
ClientSampleId :
MW-2

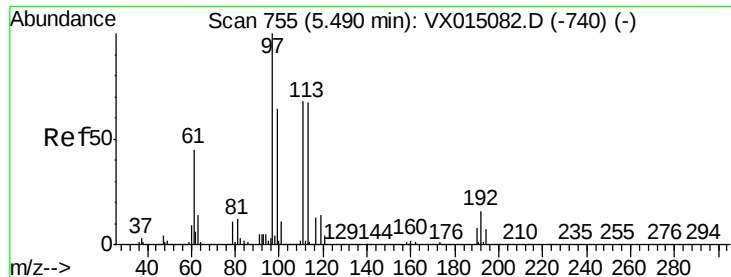
Tgt Ion:	84	Resp:	889
Ion	Ratio	Lower	Upper
84	100		
49	91.8	99.4	149.2#
51	5.6	31.5	47.3#
86	73.2	51.6	77.4



#29
Tetrahydrofuran
Concen: 0.329 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX015192.D
Acq: 11 Mar 2020 12:00

Tgt Ion:	42	Resp:	448
Ion	Ratio	Lower	Upper
42	100		
72	87.3	36.4	54.6#
71	46.2	33.3	49.9





#32

1,1,1-Trichloroethane

Concen: 0.205 ug/l

RT: 5.50 min Scan# 757

Delta R.T. 0.01 min

Lab File: VX015192.D

Acq: 11 Mar 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

MW-2

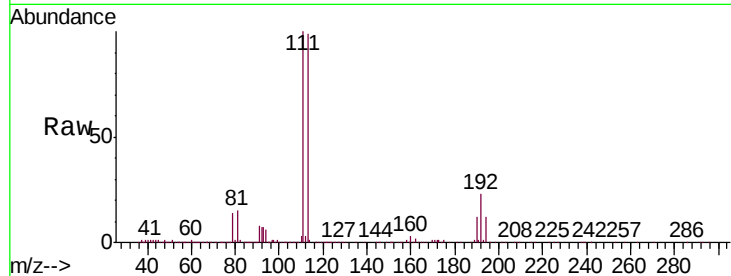
Tgt Ion: 97 Resp: 935

Ion Ratio Lower Upper

97 100

99 0.0 52.8 79.2#

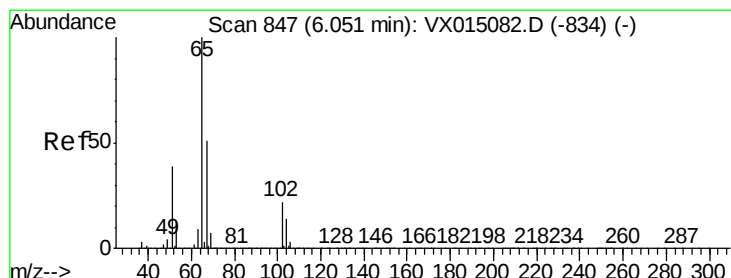
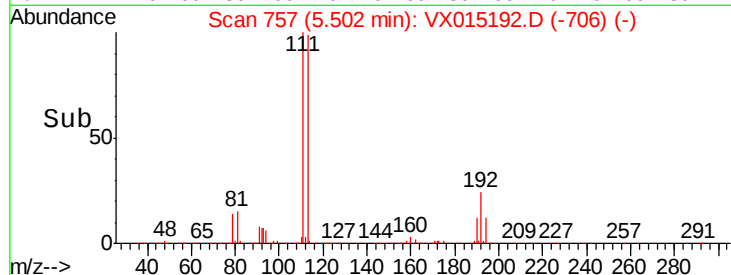
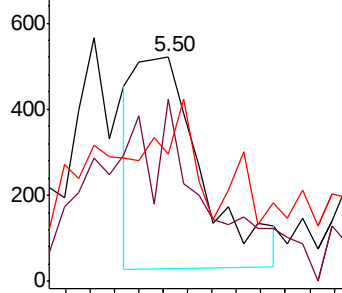
61 0.0 36.6 54.8#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.950 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015192.D

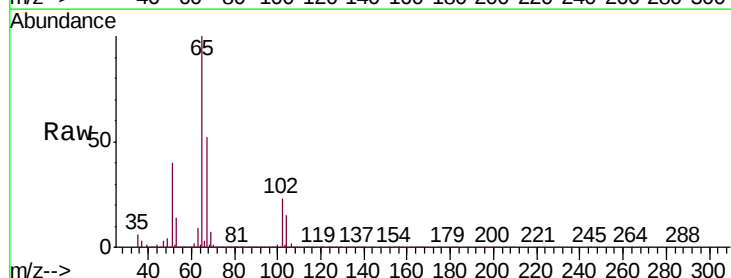
Acq: 11 Mar 2020 12:00

Tgt Ion: 65 Resp: 174655

Ion Ratio Lower Upper

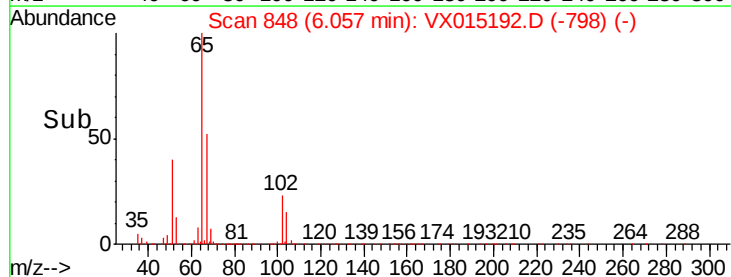
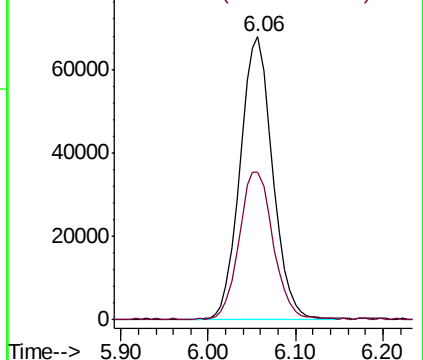
65 100

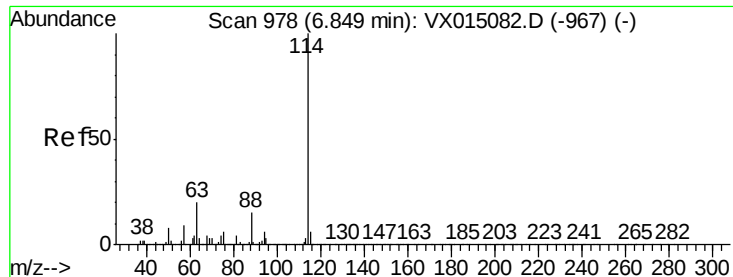
67 54.4 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015192.D

Acq: 11 Mar 2020 12:00

Instrument :

MSVOA_X

ClientSampled :

MW-2

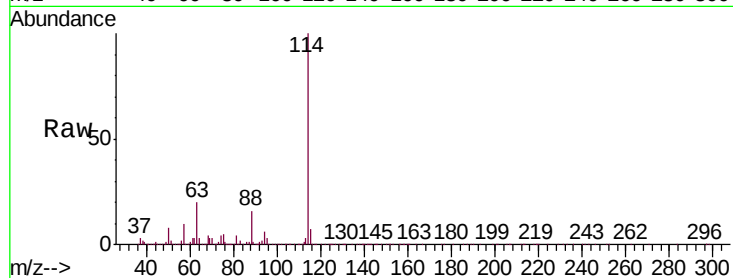
Tgt Ion:114 Resp: 485779

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

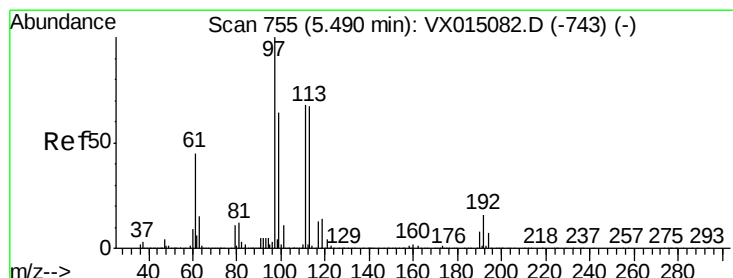
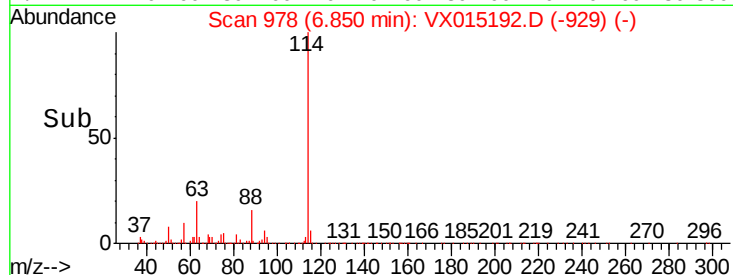
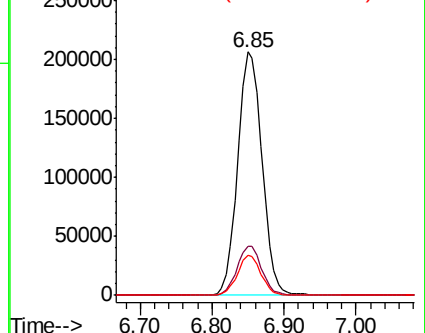
88 16.4 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.862 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015192.D

Acq: 11 Mar 2020 12:00

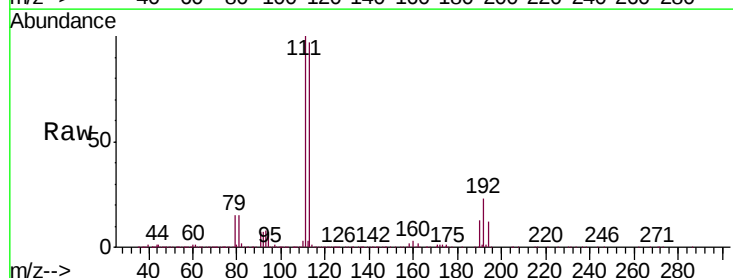
Tgt Ion:113 Resp: 152810

Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

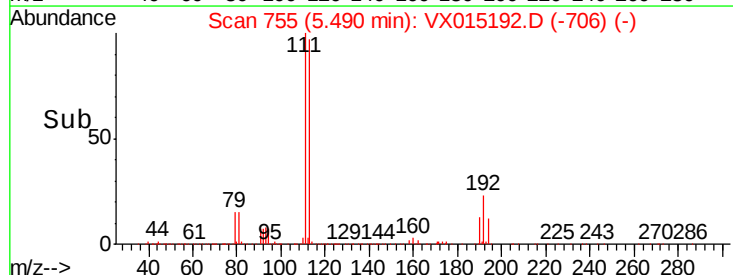
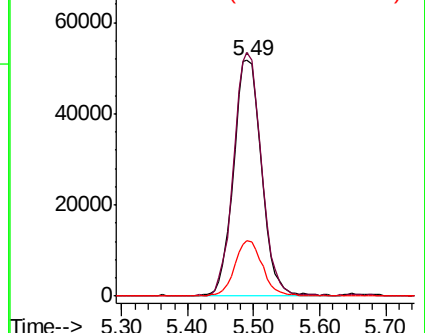
192 23.2 18.6 28.0

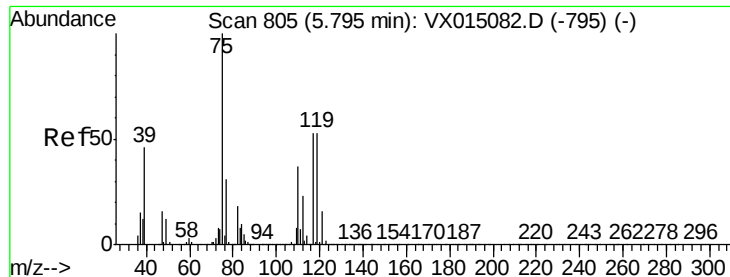


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

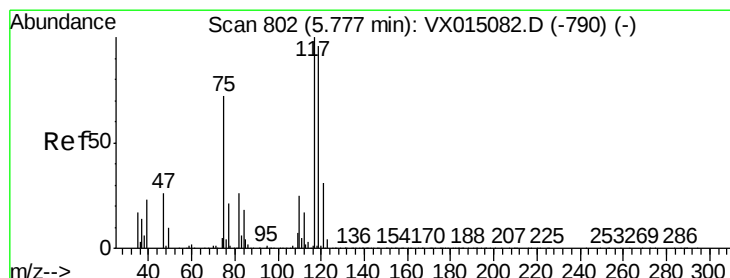
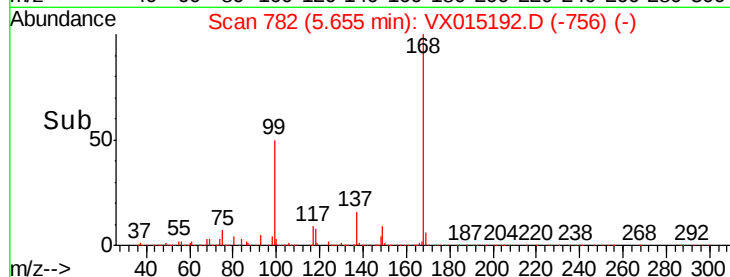
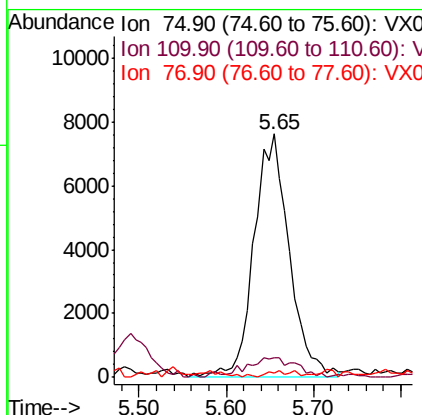
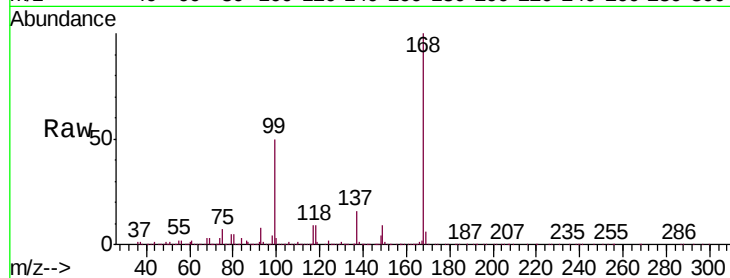




#36
 1,1-Dichloropropene
 Concen: 4.779 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015192.D
 Acq: 11 Mar 2020 12:00

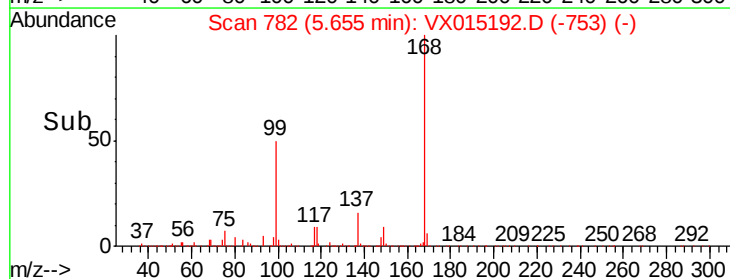
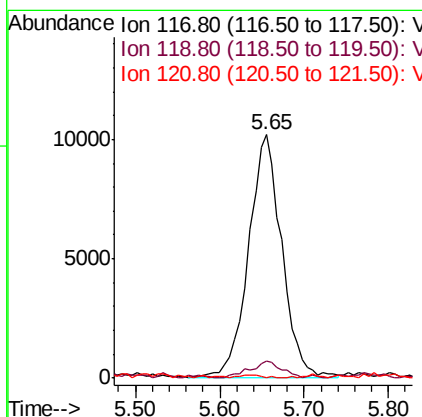
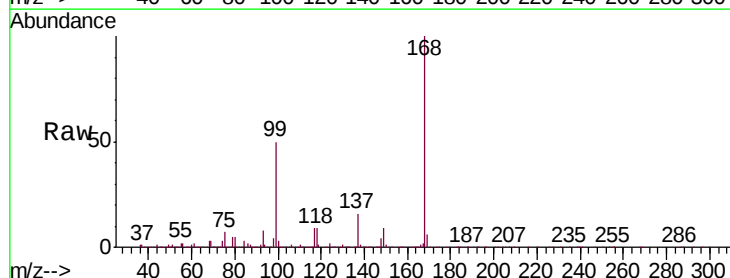
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

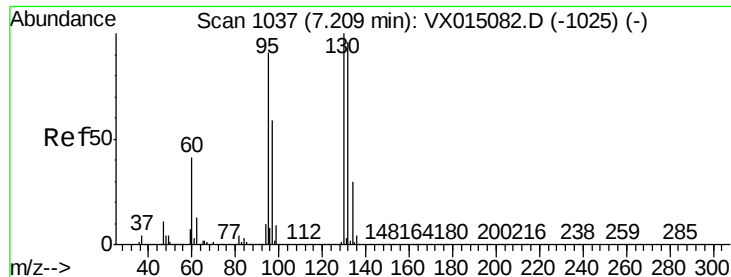
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.9	53.8#
77	1.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.480 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015192.D
 Acq: 11 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.9	115.3#
121	0.0	24.6	37.0#





#44

Trichloroethene

Concen: 2.768 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015192.D

Acq: 11 Mar 2020 12:00

Instrument :

MSVOA_X

ClientSampled :

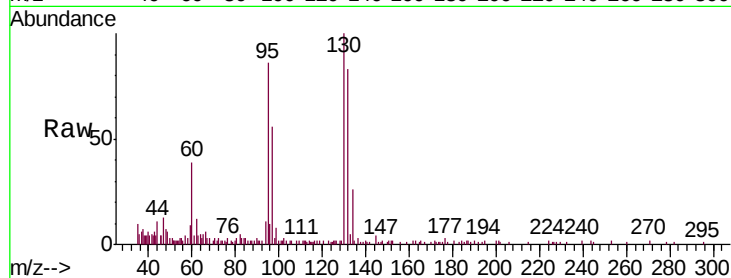
MW-2

Tgt Ion: 130 Resp: 10269

Ion Ratio Lower Upper

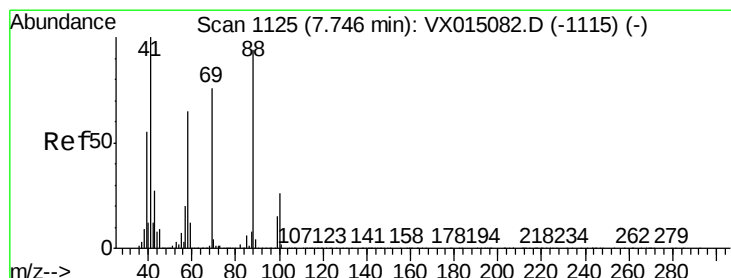
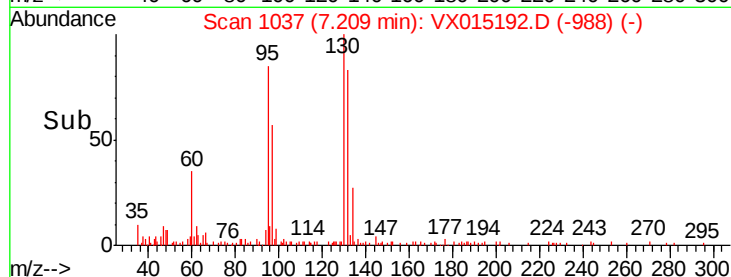
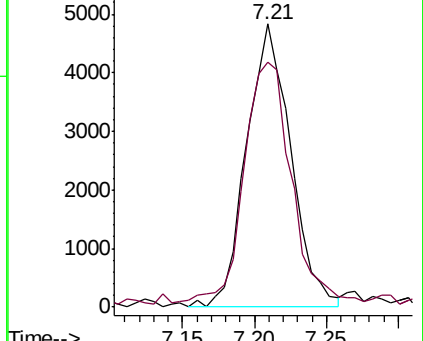
130 100

95 84.1 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: 4.005 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VX015192.D

Acq: 11 Mar 2020 12:00

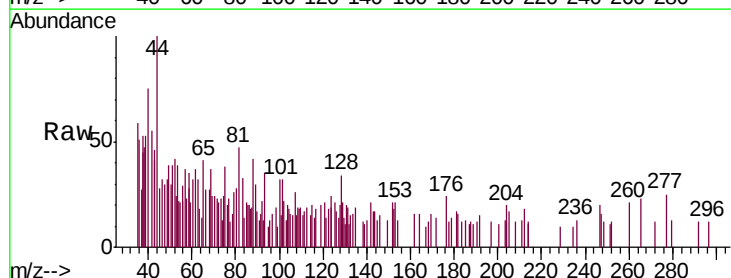
Tgt Ion: 88 Resp: 323

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

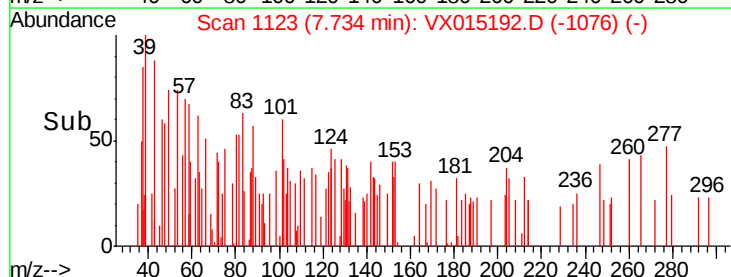
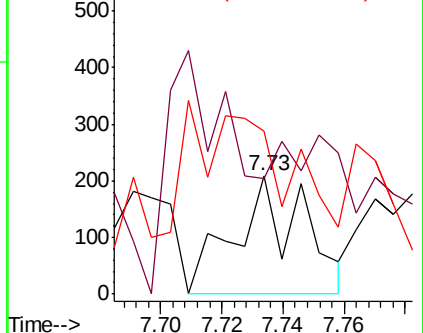
58 0.0 55.6 83.4#

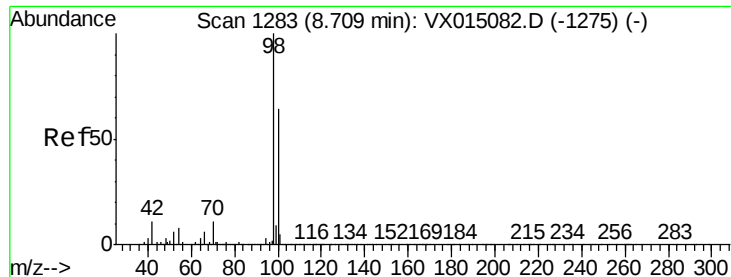


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.661 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015192.D

Acq: 11 Mar 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

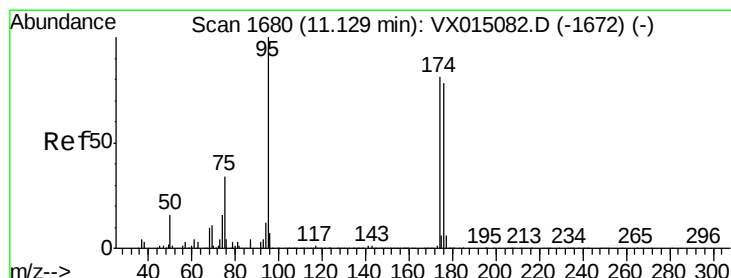
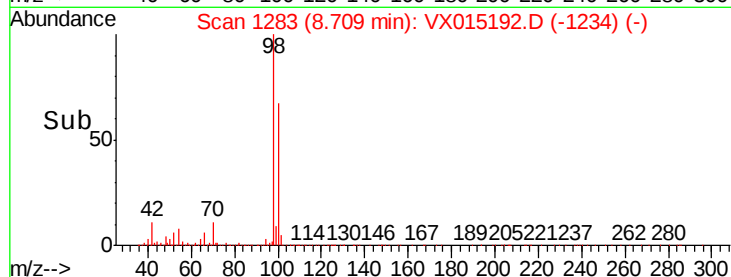
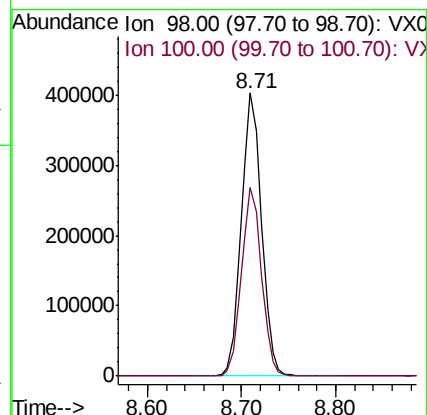
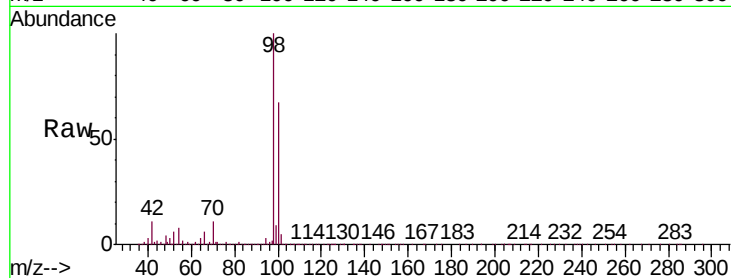
MW-2

Tgt Ion: 98 Resp: 602238

Ion Ratio Lower Upper

98 100

100 66.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 53.502 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015192.D

Acq: 11 Mar 2020 12:00

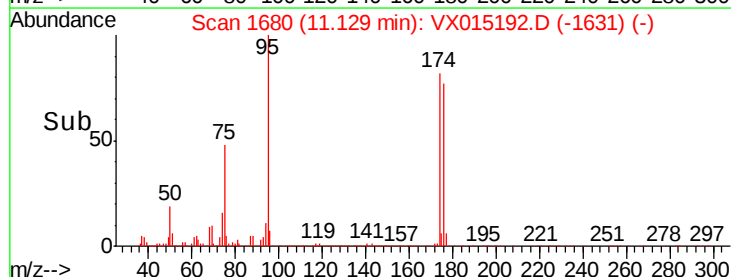
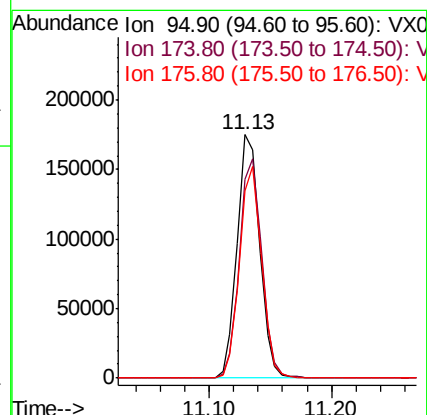
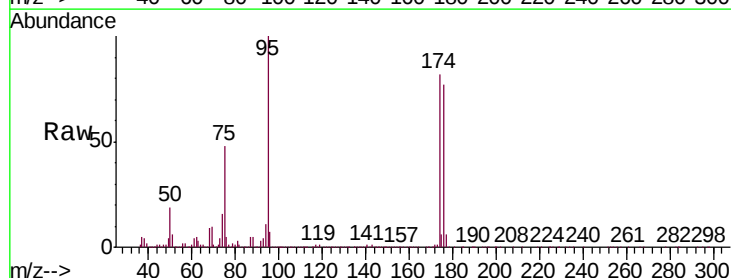
Tgt Ion: 95 Resp: 222467

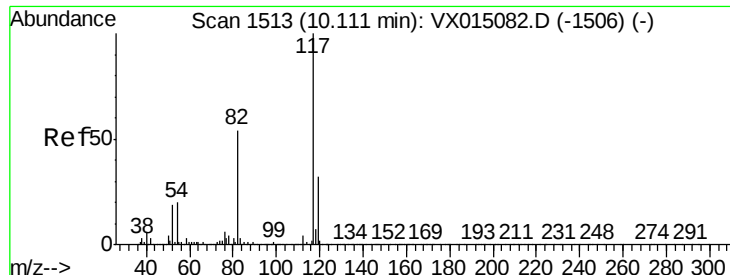
Ion Ratio Lower Upper

95 100

174 89.2 0.0 177.6

176 85.2 0.0 170.2

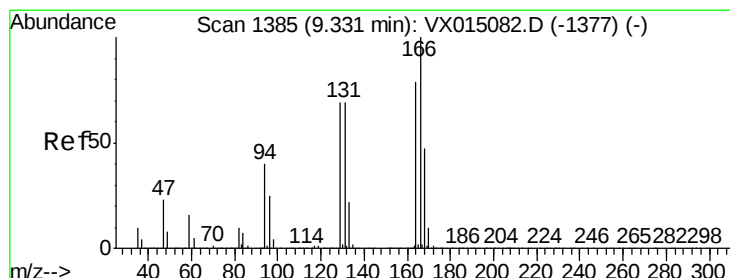
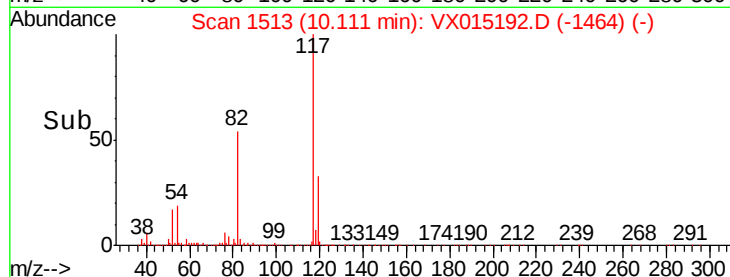
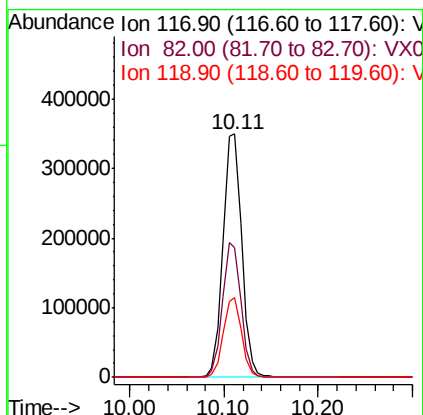
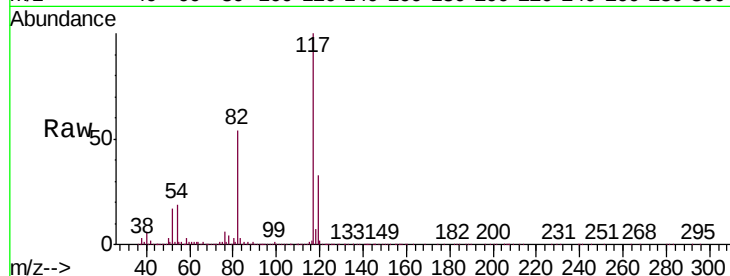




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015192.D
Acq: 11 Mar 2020 12:00

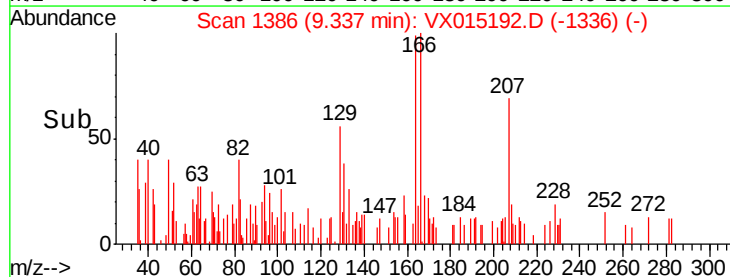
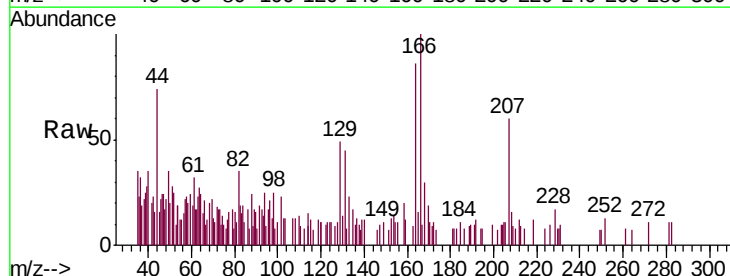
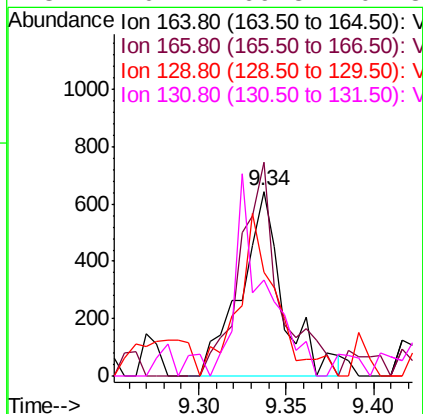
Instrument :
MSVOA_X
ClientSampled :
MW-2

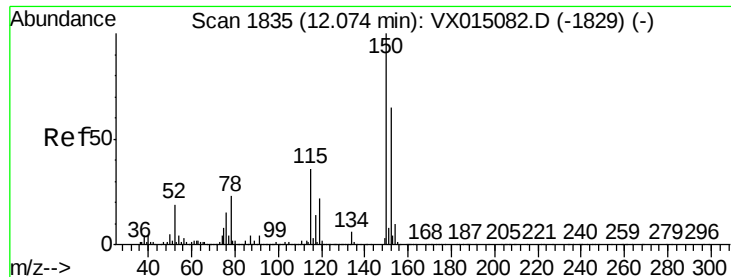
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.3	64.9
119	32.8	25.8	38.8



#64
Tetrachloroethene
Concen: 0.272 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX015192.D
Acq: 11 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	115.7	101.1	151.7
129	56.4	69.4	104.0#
131	40.2	69.8	104.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015192.D

Acq: 11 Mar 2020 12:00

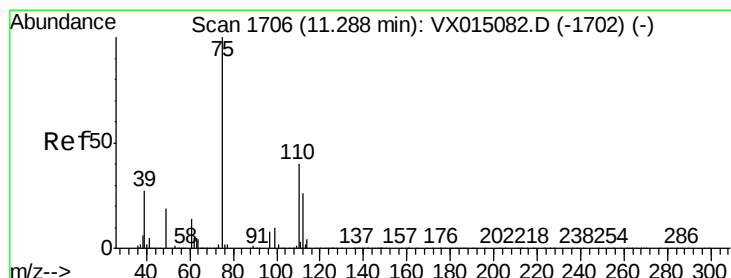
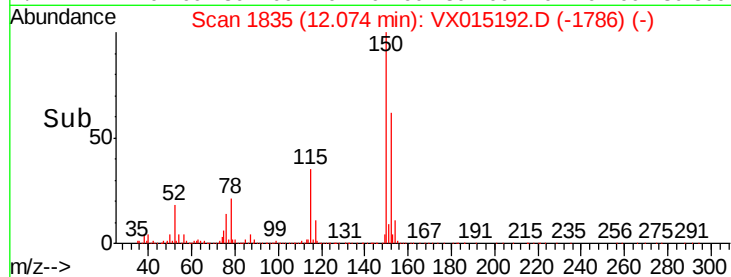
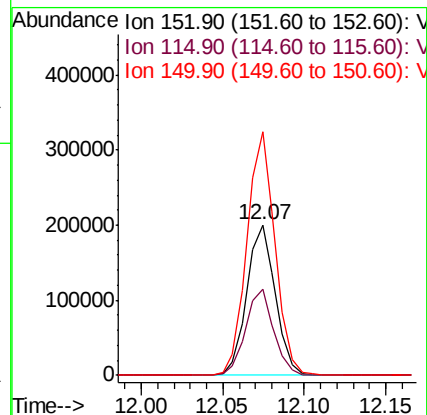
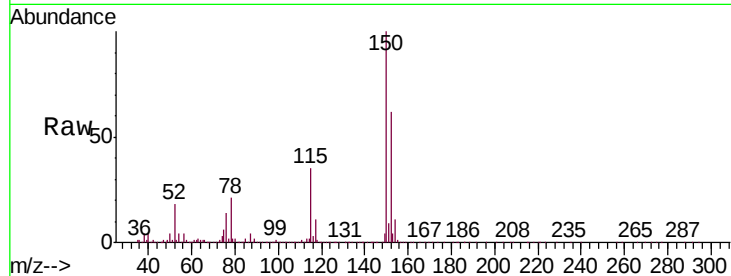
Instrument :

MSVOA_X

ClientSampled :

MW-2

Tgt Ion:	152	Resp:	243697
Ion	Ratio	Lower	Upper
152	100		
115	56.0	38.2	114.6
150	159.7	0.0	343.8



#76

1,2,3-Trichloropropane

Concen: 21.924 ug/l

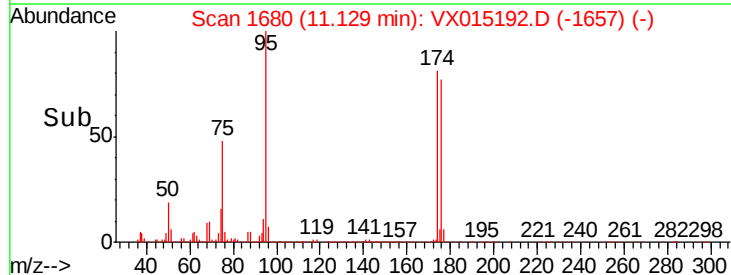
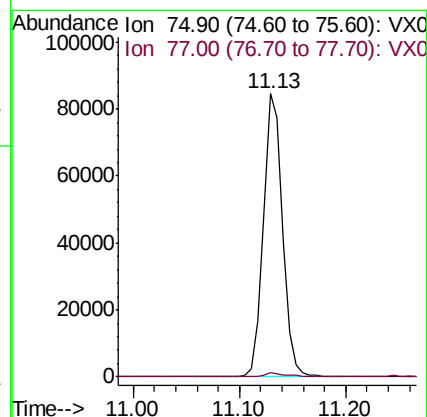
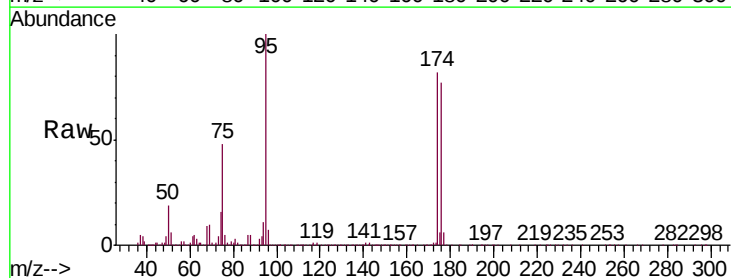
RT: 11.13 min Scan# 1680

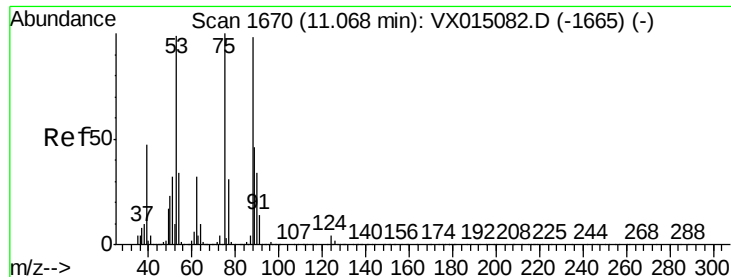
Delta R.T. -0.16 min

Lab File: VX015192.D

Acq: 11 Mar 2020 12:00

Tgt Ion:	75	Resp:	106571
Ion	Ratio	Lower	Upper
75	100		
77	1.6	22.6	67.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.219 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015192.D

Acq: 11 Mar 2020 12:00

Instrument :

MSVOA_X

ClientSampled :

MW-2

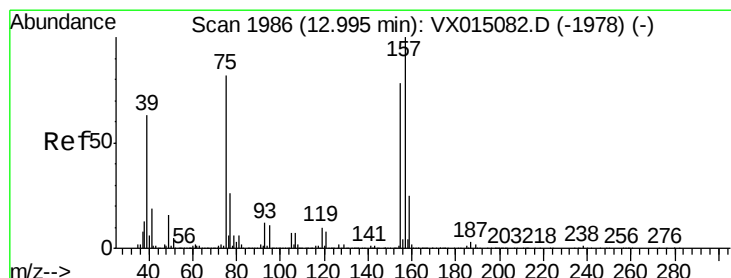
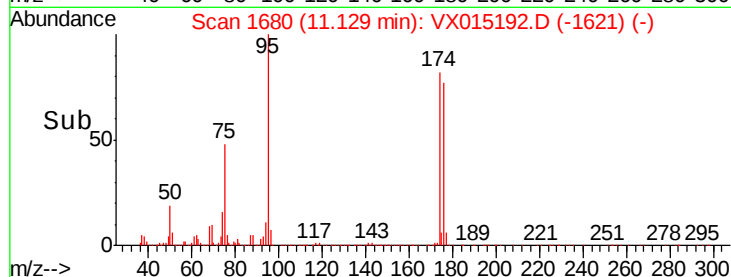
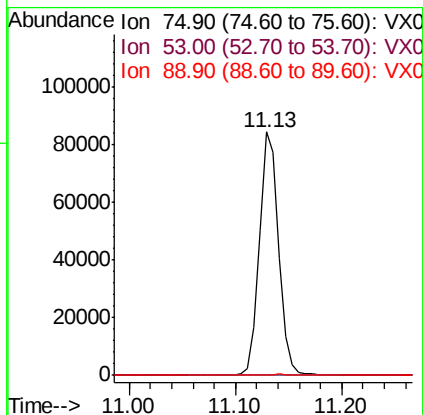
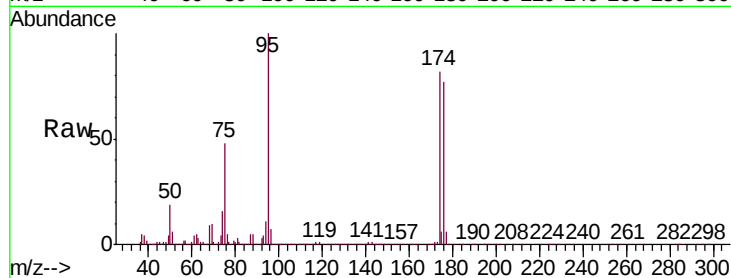
Tgt Ion: 75 Resp: 106571

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: 0.225 ug/l

RT: 12.98 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VX015192.D

Acq: 11 Mar 2020 12:00

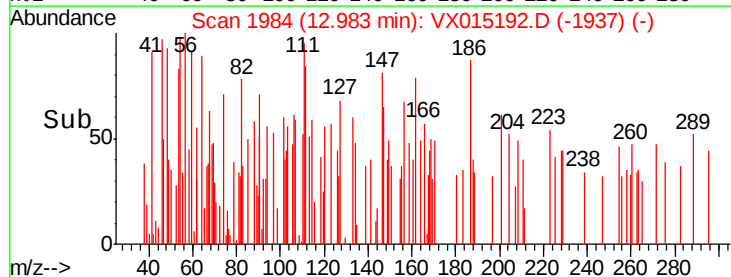
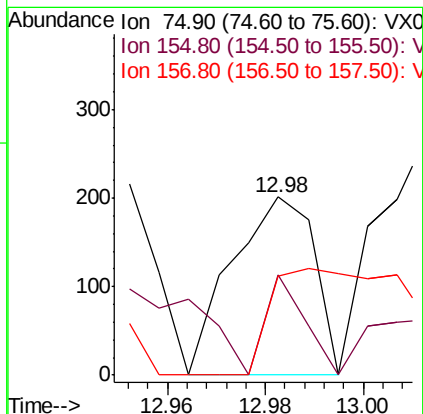
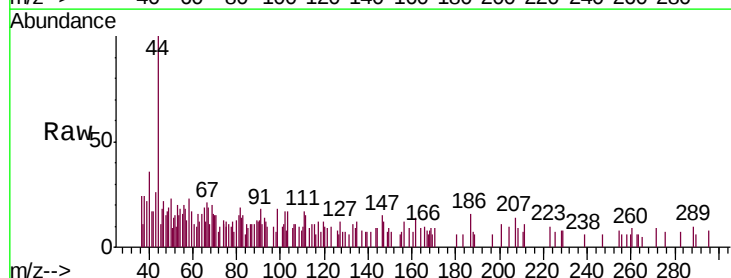
Tgt Ion: 75 Resp: 234

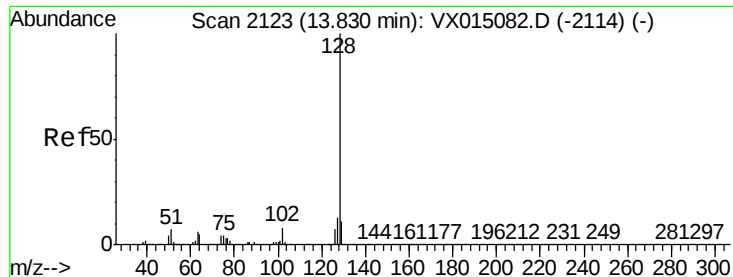
Ion Ratio Lower Upper

75 100

155 26.5 46.6 139.7#

157 137.2 59.2 177.5





#95
Naphthalene
Concen: 1.458 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015192.D
Acq: 11 Mar 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	51.6	10.3	15.5#
129	3.3	8.6	13.0#

