

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
 Data File : VX014213.D
 Acq On : 23 Dec 2019 19:29
 Operator : JC/SP
 Sample : K6387-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Dec 24 01:33:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	560703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	861368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	777188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	356730	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	307913	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	5.49	113	256220	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	8.71	98	1019992	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.14	95	345980	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	

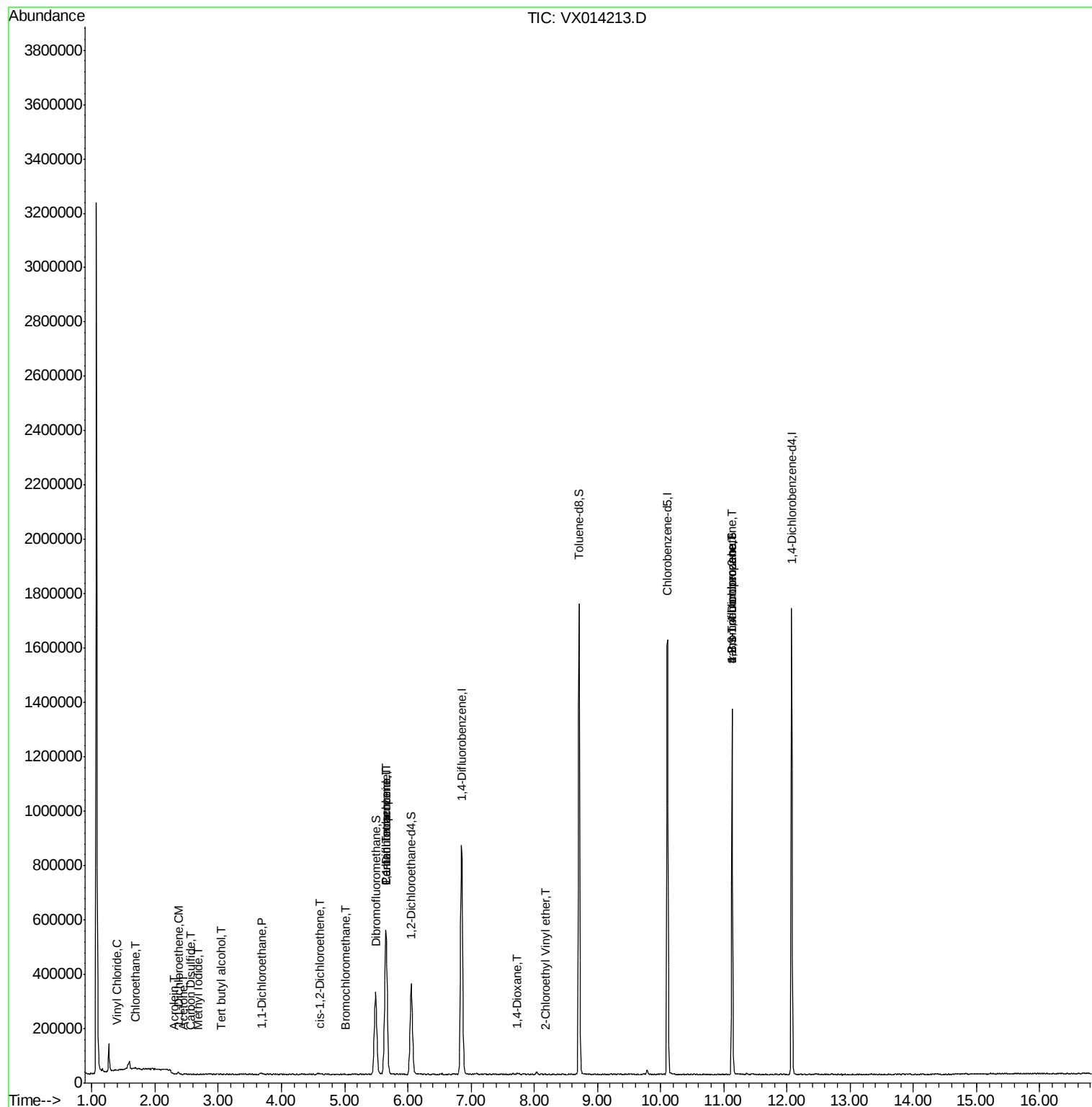
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	1591	0.224	ug/l	99
6) Chloroethane	1.69	64	1530	0.349	ug/l #	81
10) Methyl Iodide	2.69	142	356	2.669	ug/l	99
11) Tert butyl alcohol	3.03	59	605	0.441	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	3966	0.735	ug/l	91
13) Acrolein	2.31	56	218	0.277	ug/l #	66
16) Acetone	2.44	43	1357	0.329	ug/l #	80
17) Carbon Disulfide	2.56	76	723	0.798	ug/l #	9
24) 1,1-Dichloroethane	3.69	63	8080	0.757	ug/l #	91
27) cis-1,2-Dichloroethene	4.61	96	3021	0.450	ug/l	90
28) Bromochloromethane	5.01	49	501	0.575	ug/l #	54
36) 1,1-Dichloropropene	5.65	75	37660	4.765	ug/l #	51
38) Carbon Tetrachloride	5.65	117	48535	6.741	ug/l #	15
49) 1,4-Dioxane	7.73	88	4671	32.452	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.18	63	839	0.229	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	168618	21.772	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	168618	61.453	ug/l #	12

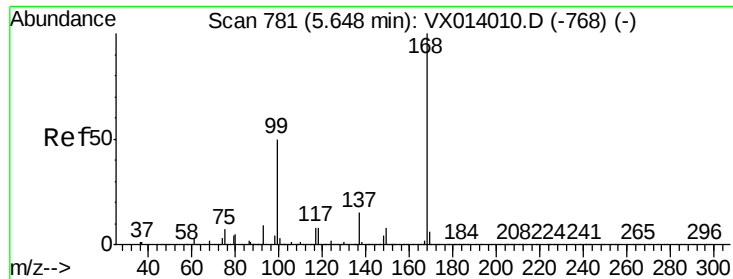
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

Instrument :

MSVOA_X

ClientSampled :

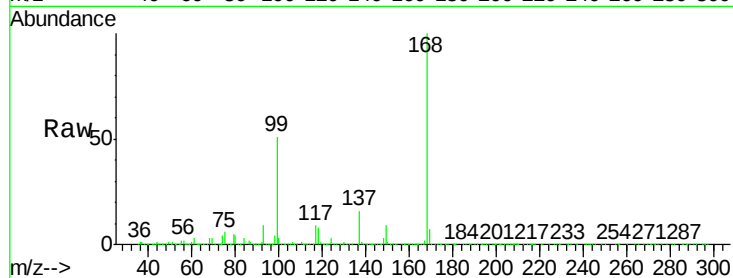
MW-4

Tgt Ion:168 Resp: 560703

Ion Ratio Lower Upper

168 100

99 50.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

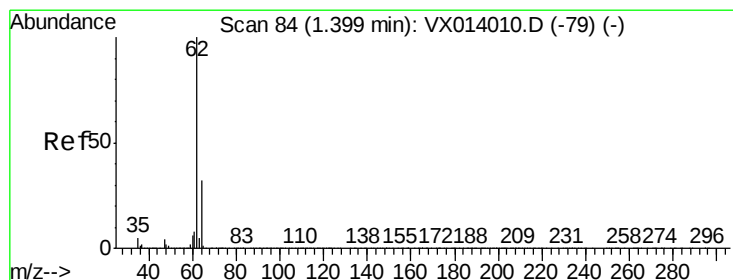
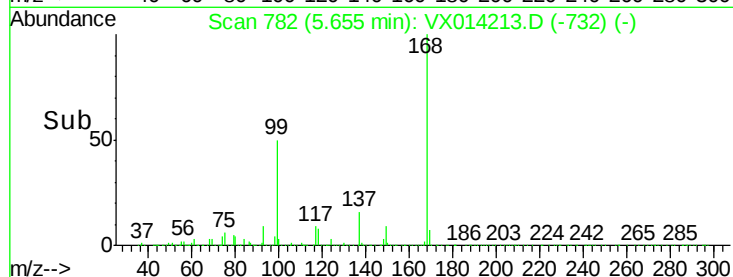
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.224 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014213.D

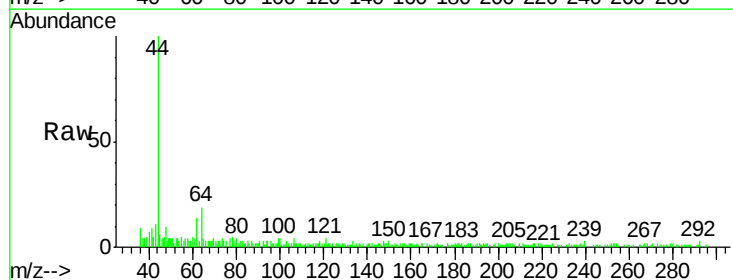
Acq: 23 Dec 2019 19:29

Tgt Ion: 62 Resp: 1591

Ion Ratio Lower Upper

62 100

64 32.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1500

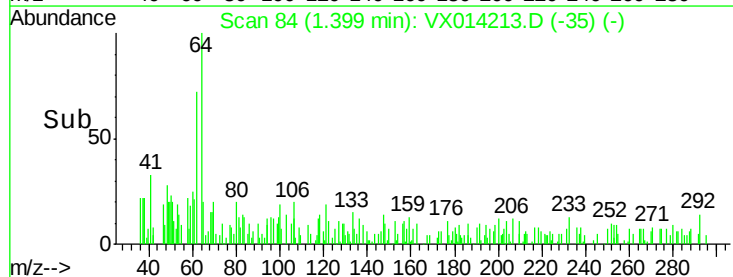
1000

500

0

Time-->

1.40 1.45





#6

Chloroethane

Concen: 0.349 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

Instrument :

MSVOA_X

ClientSampled :

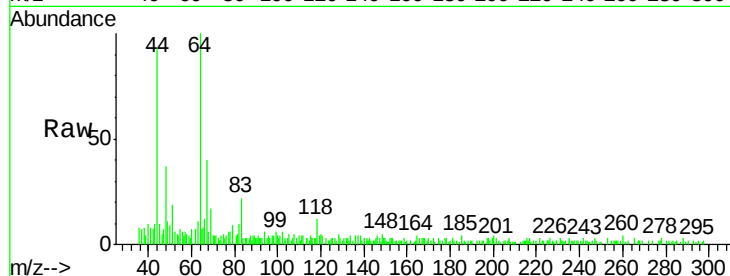
MW-4

Tgt Ion: 64 Resp: 1530

Ion Ratio Lower Upper

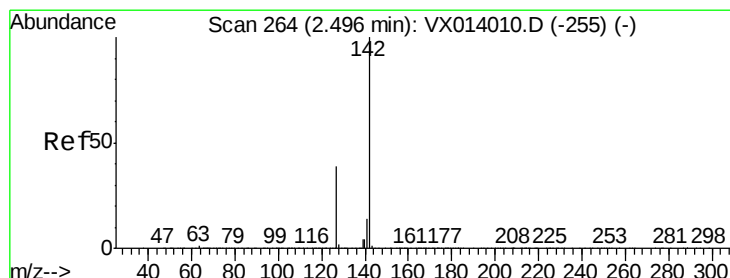
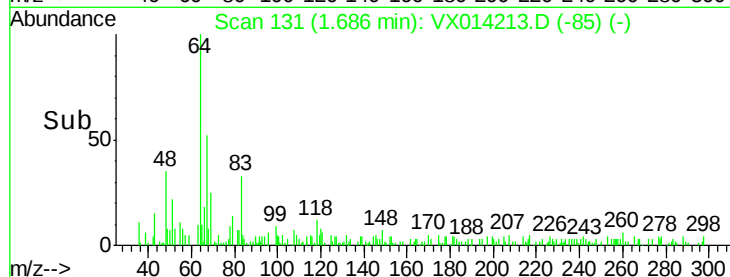
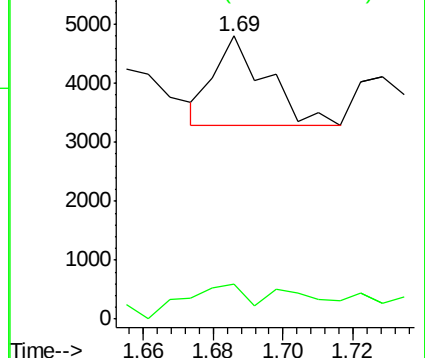
64 100

66 19.1 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.669 ug/l

RT: 2.69 min Scan# 295

Delta R.T. 0.19 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

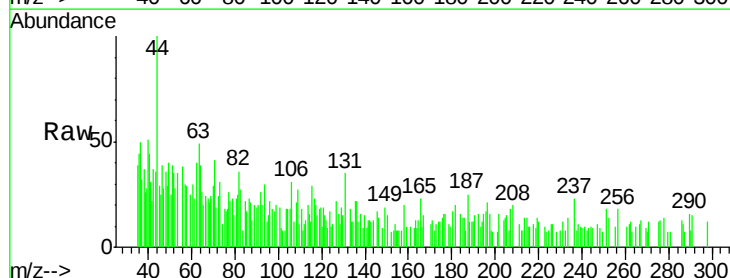
Tgt Ion: 142 Resp: 356

Ion Ratio Lower Upper

142 100

127 40.4 31.6 47.4

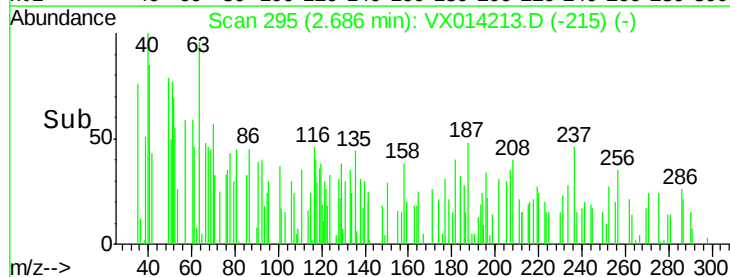
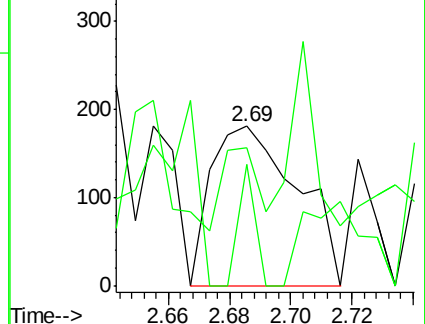
141 14.0 11.6 17.4

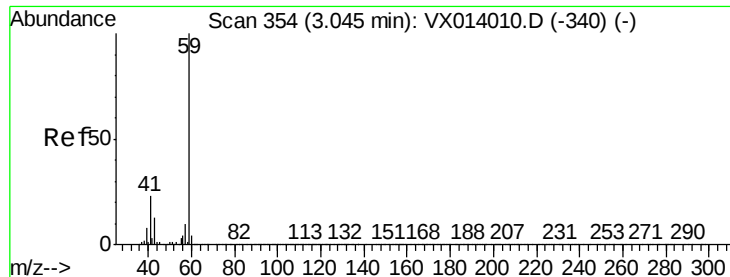


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



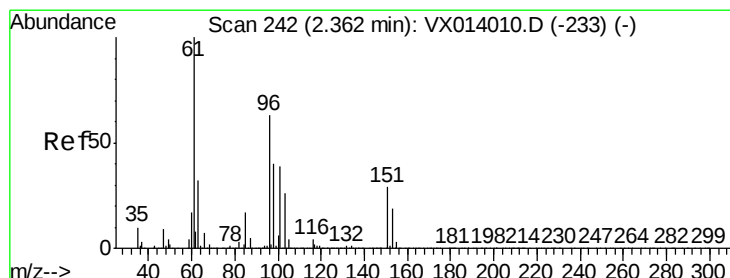
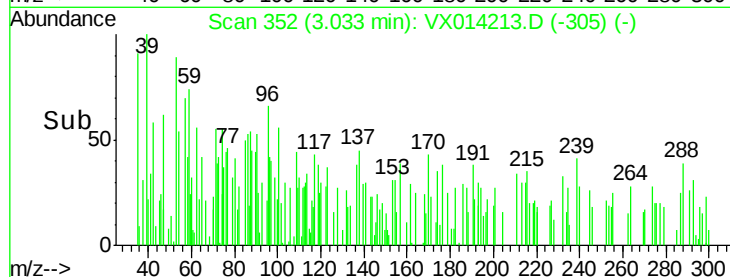
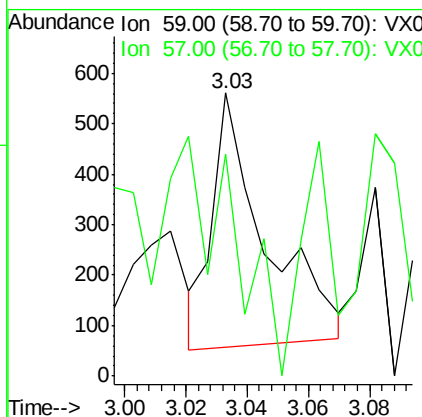
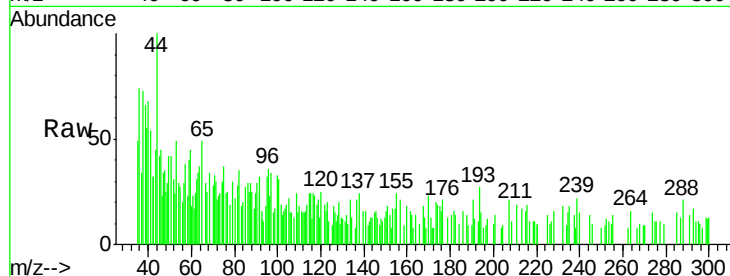


#11

Tert butyl alcohol
Concen: 0.441 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX014213.D
Acq: 23 Dec 2019 19:29

Instrument :
MSVOA_X
ClientSampled :
MW-4

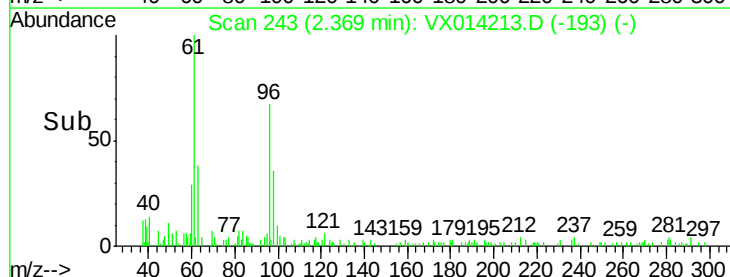
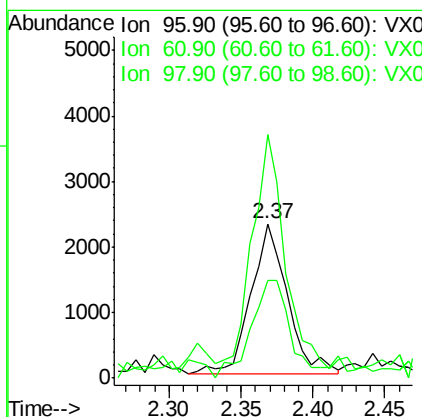
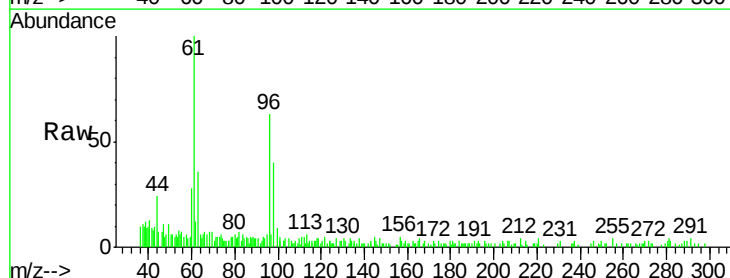
Tgt Ion: 59 Resp: 605
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

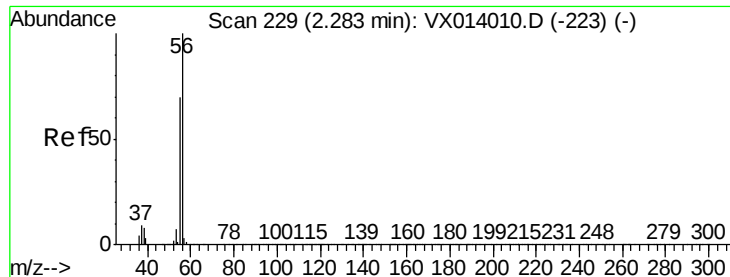


#12

1,1-Dichloroethene
Concen: 0.735 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX014213.D
Acq: 23 Dec 2019 19:29

Tgt Ion: 96 Resp: 3966
Ion Ratio Lower Upper
96 100
61 150.6 127.9 191.9
98 53.0 50.5 75.7

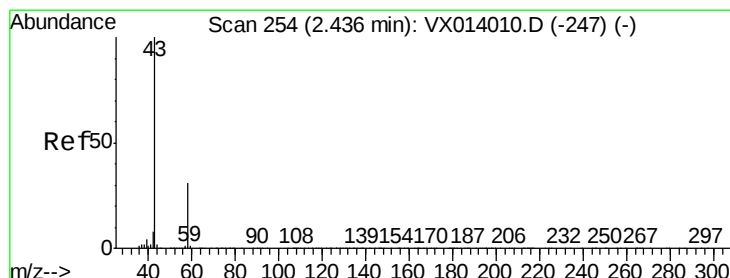
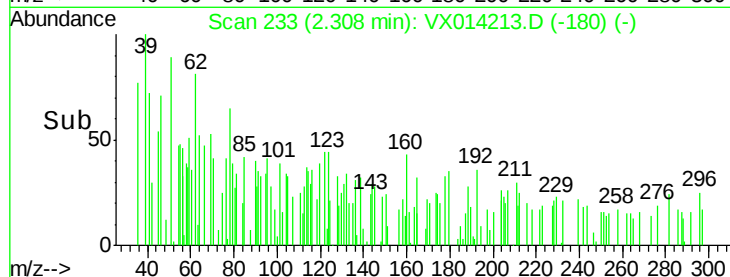
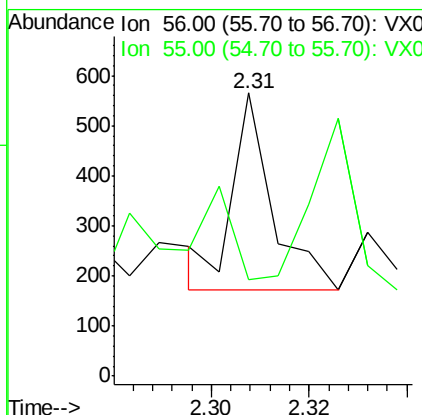
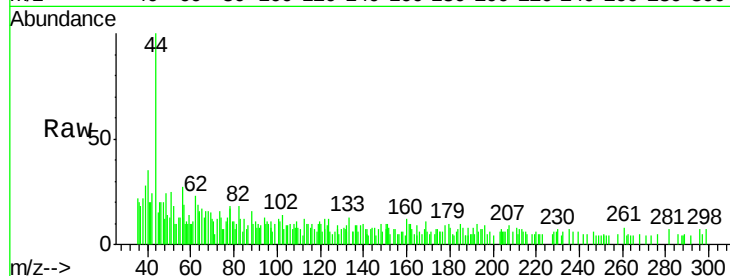




#13
Acrolein
Concen: 0.277 ug/l
RT: 2.31 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX014213.D
Acq: 23 Dec 2019 19:29

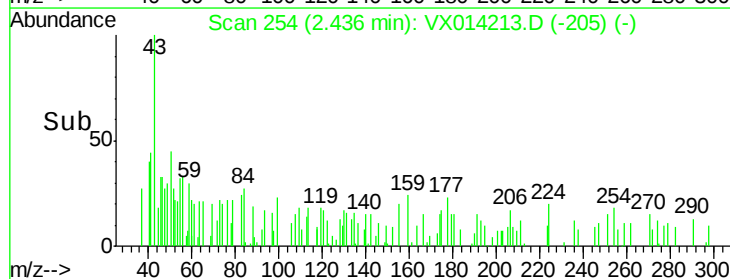
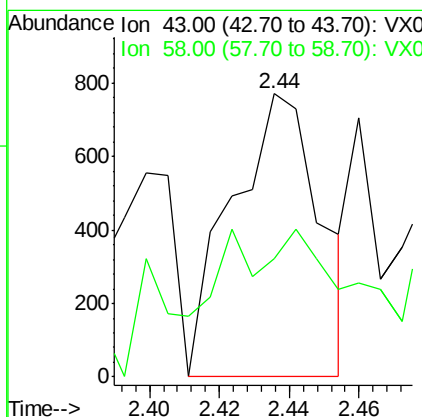
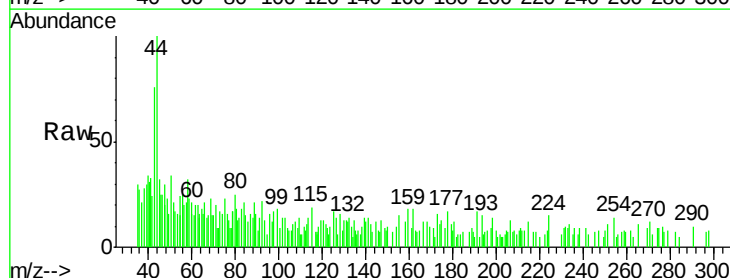
Instrument :
MSVOA_X
ClientSampleId :
MW-4

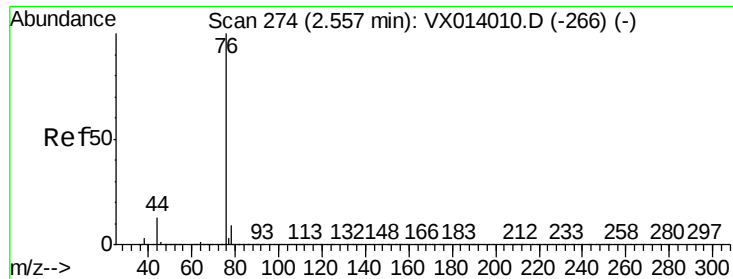
Tgt Ion: 56 Resp: 218
Ion Ratio Lower Upper
56 100
55 99.1 56.9 85.3#



#16
Acetone
Concen: 0.329 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX014213.D
Acq: 23 Dec 2019 19:29

Tgt Ion: 43 Resp: 1357
Ion Ratio Lower Upper
43 100
58 20.2 24.9 37.3#





#17

Carbon Disulfide

Concen: 0.798 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

Instrument :

MSVOA_X

ClientSampled :

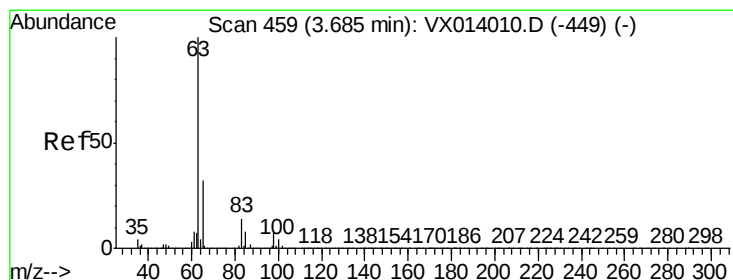
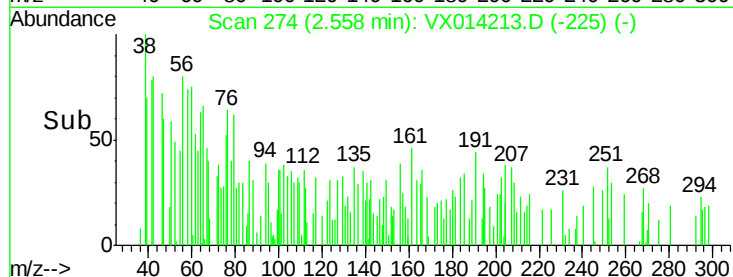
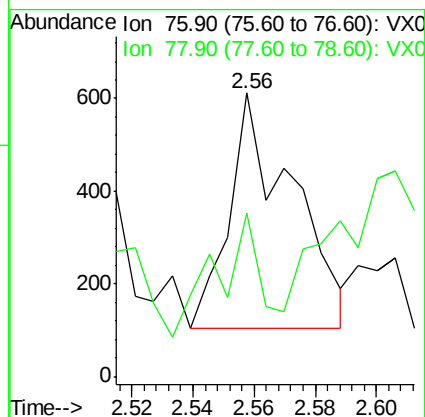
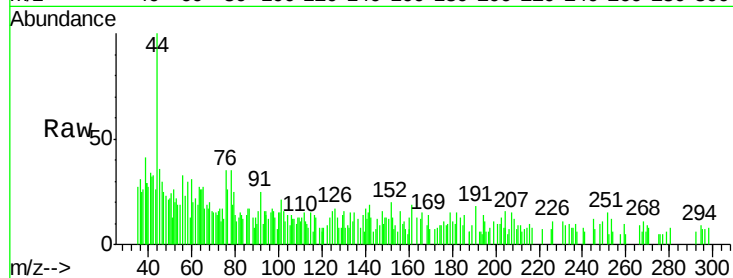
MW-4

Tgt Ion: 76 Resp: 723

Ion Ratio Lower Upper

76 100

78 41.9 7.2 10.8#



#24

1,1-Dichloroethane

Concen: 0.757 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

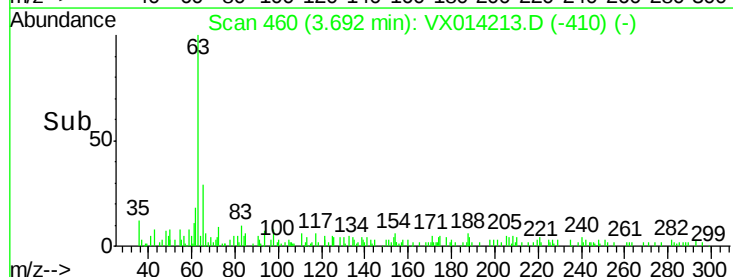
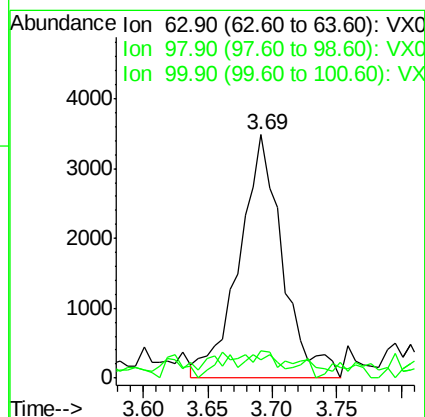
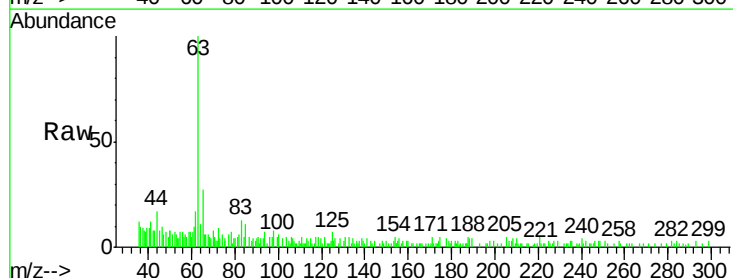
Tgt Ion: 63 Resp: 8080

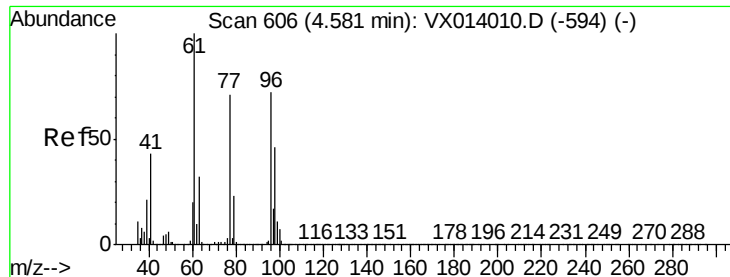
Ion Ratio Lower Upper

63 100

98 3.1 3.6 10.8#

100 6.4 2.3 6.8



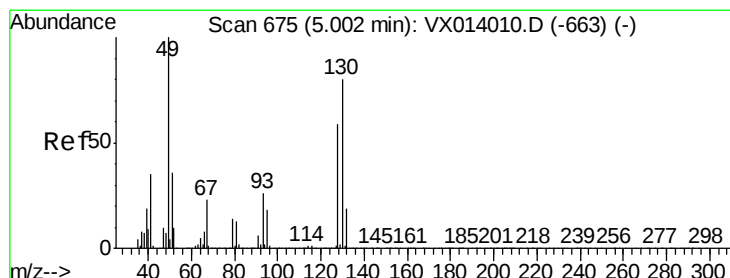
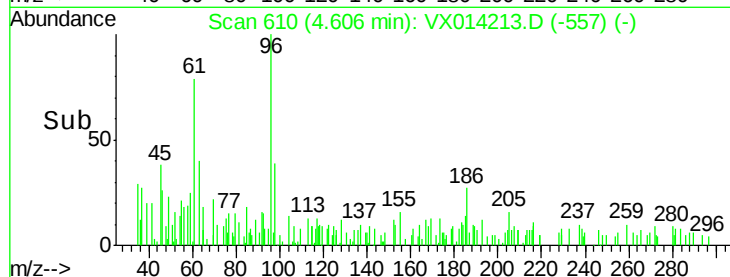
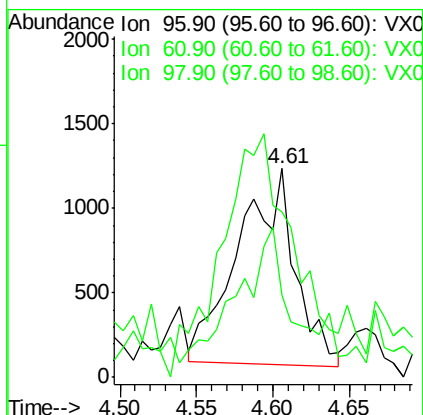
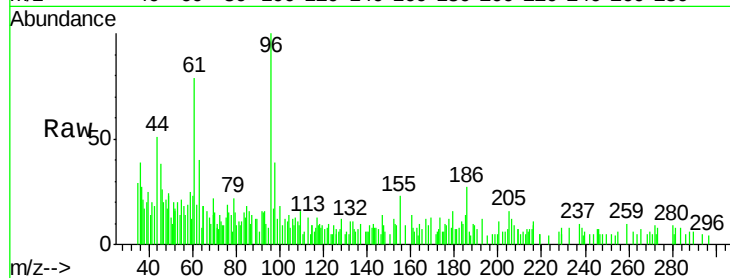


#27

cis-1,2-Dichloroethene
 Concen: 0.450 ug/l
 RT: 4.61 min Scan# 610
 Delta R.T. 0.02 min
 Lab File: VX014213.D
 Acq: 23 Dec 2019 19:29

Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

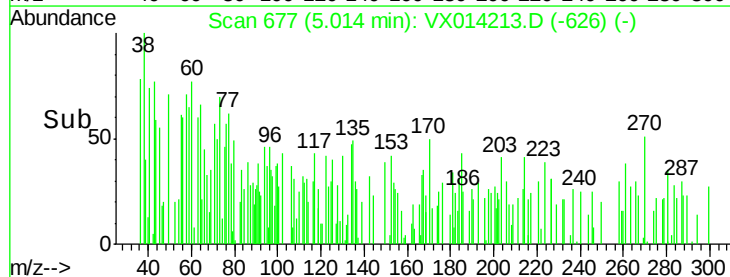
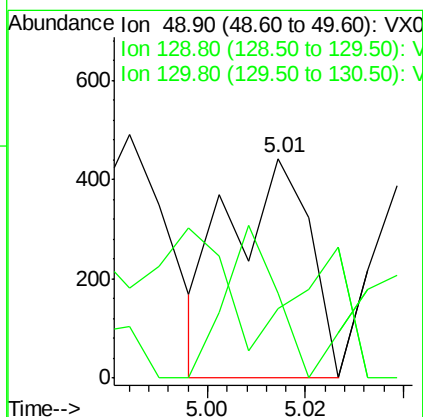
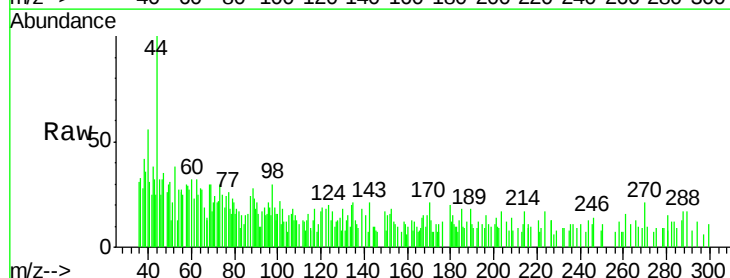
Tgt Ion: 96 Resp: 3021
 Ion Ratio Lower Upper
 96 100
 61 157.7 0.0 288.4
 98 70.3 0.0 129.6

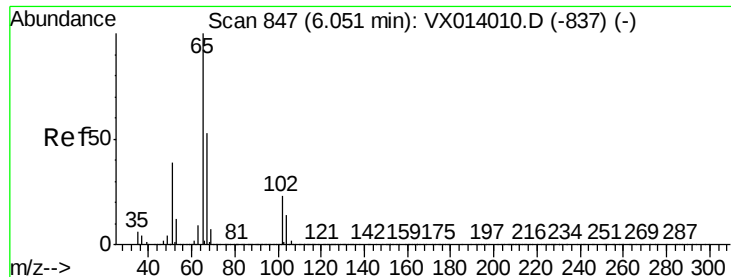


#28

Bromochloromethane
 Concen: 0.575 ug/l
 RT: 5.01 min Scan# 677
 Delta R.T. 0.01 min
 Lab File: VX014213.D
 Acq: 23 Dec 2019 19:29

Tgt Ion: 49 Resp: 501
 Ion Ratio Lower Upper
 49 100
 129 44.5 0.0 5.0#
 130 42.5 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 48.454 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

Instrument :

MSVOA_X

ClientSampled :

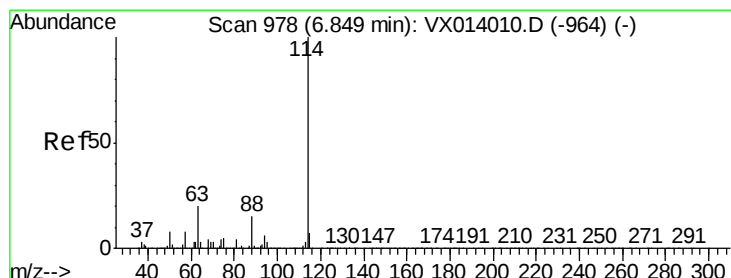
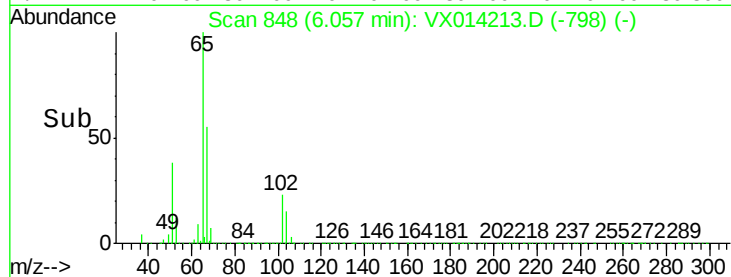
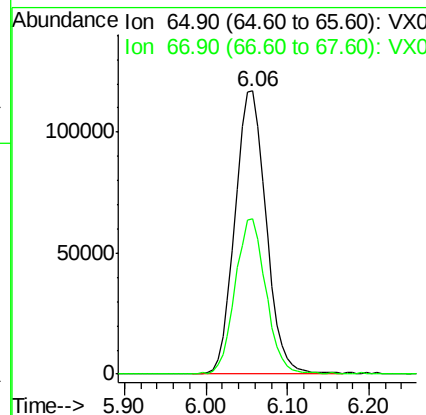
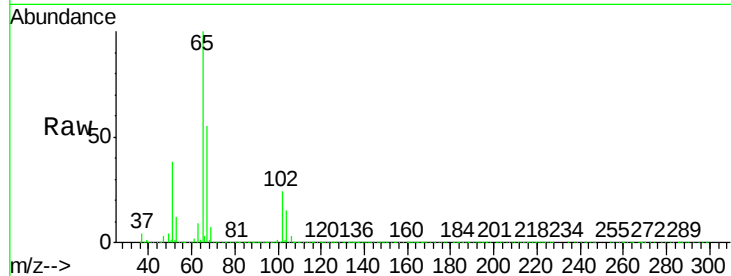
MW-4

Tgt Ion: 65 Resp: 307913

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

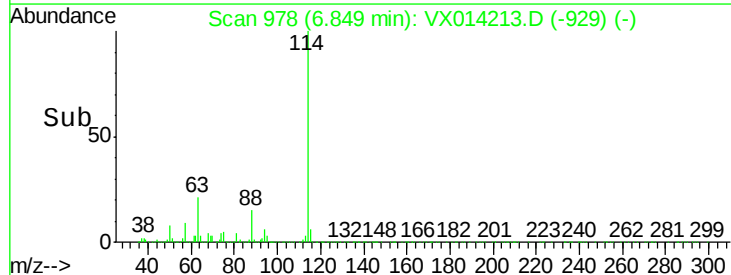
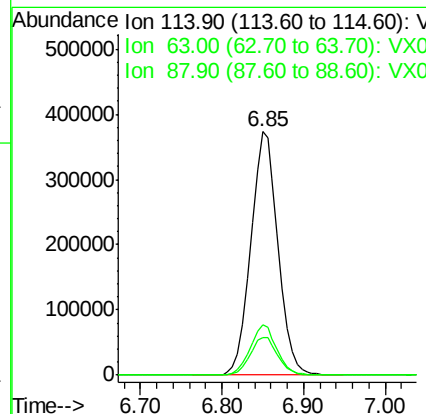
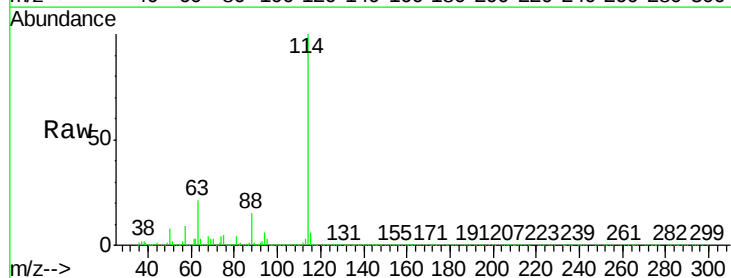
Tgt Ion: 114 Resp: 861368

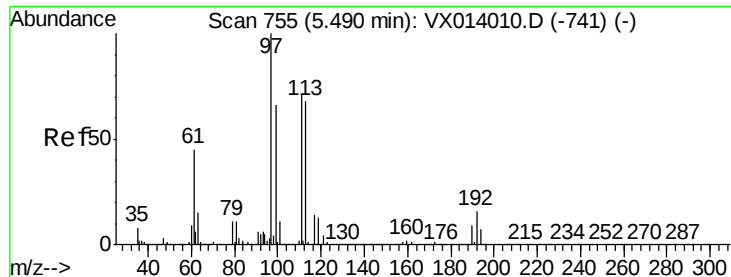
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.933 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

MW-4

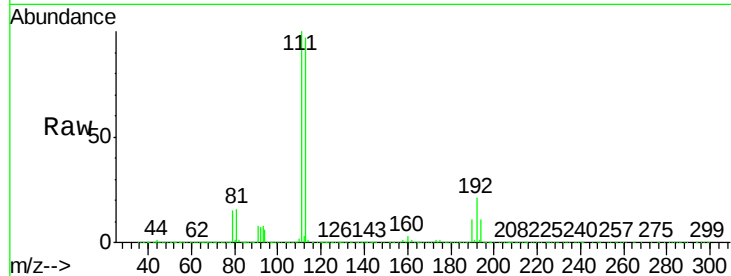
Tgt Ion:113 Resp: 256220

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

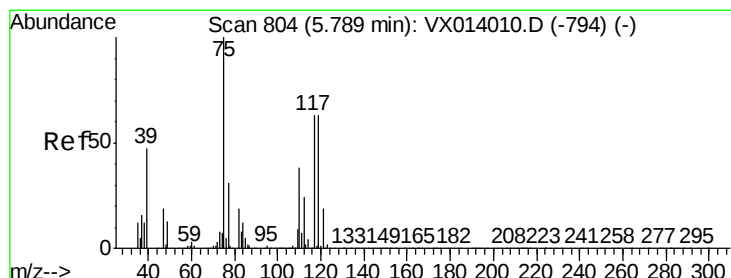
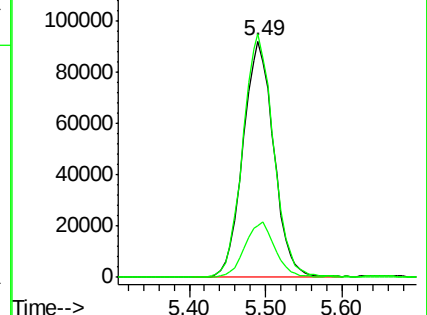
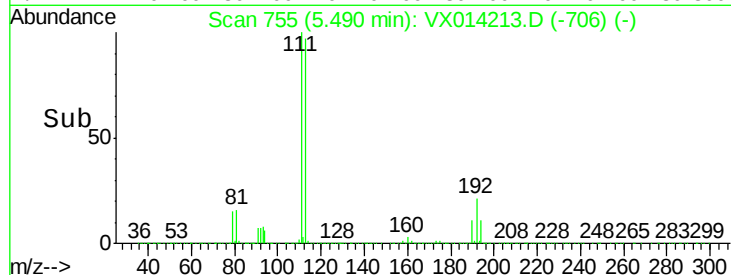
192 23.2 19.3 28.9



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: 4.765 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

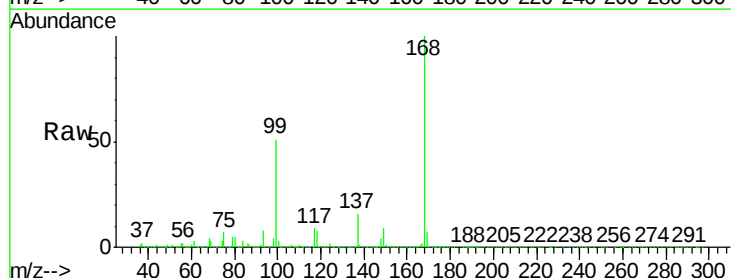
Tgt Ion: 75 Resp: 37660

Ion Ratio Lower Upper

75 100

110 11.5 18.3 54.9#

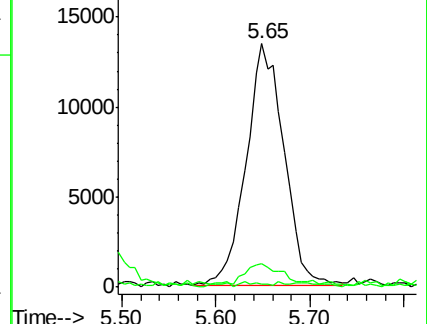
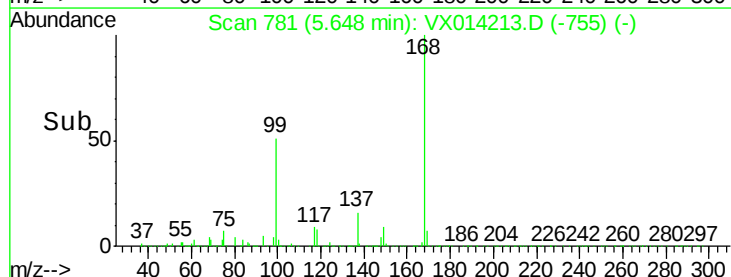
77 0.3 24.8 37.2#

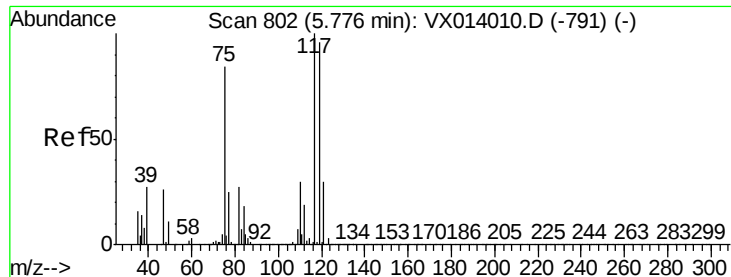


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

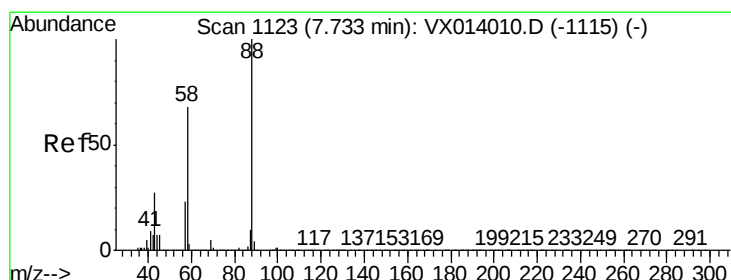
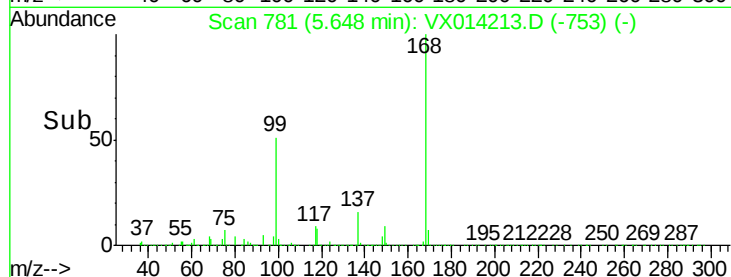
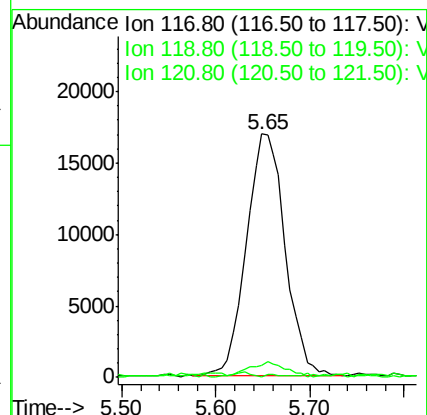
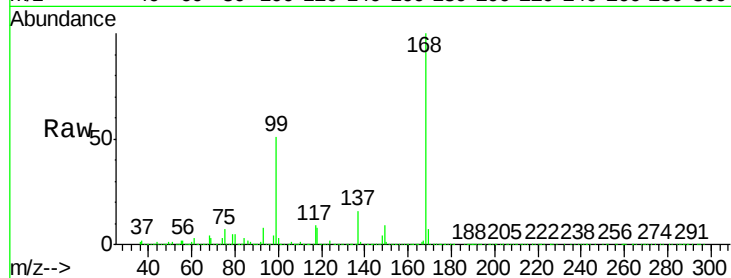




#38
Carbon Tetrachloride
Concen: 6.741 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX014213.D
Acq: 23 Dec 2019 19:29

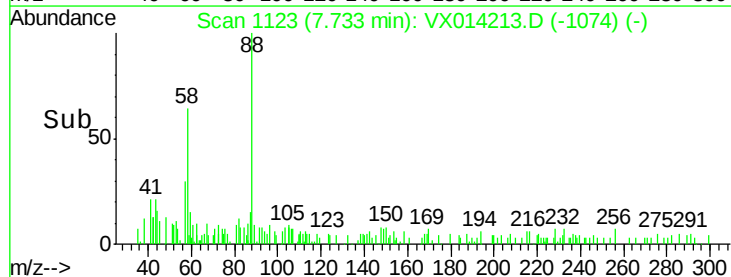
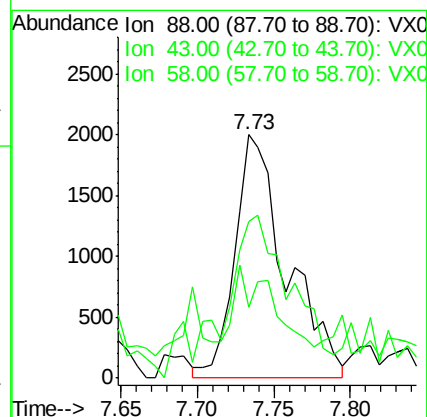
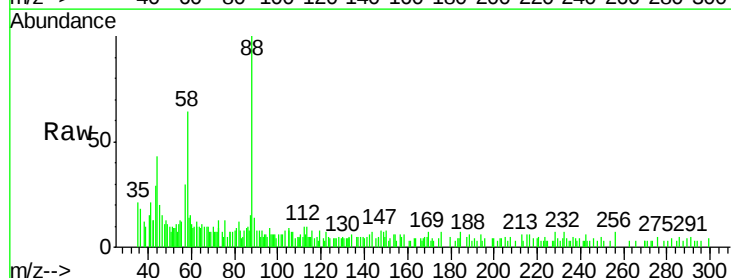
Instrument :
MSVOA_X
ClientSampleId :
MW-4

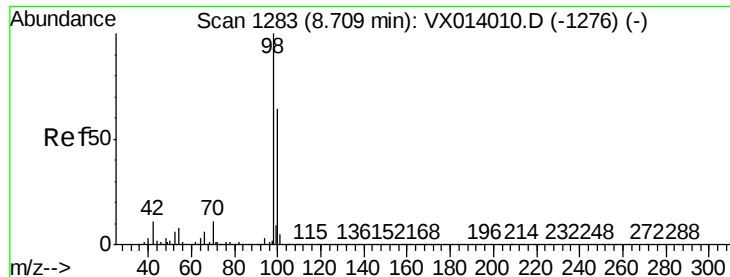
Tgt Ion: 117 Resp: 48535
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.4#
121 0.0 23.6 35.4#



#49
1,4-Dioxane
Concen: 32.452 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014213.D
Acq: 23 Dec 2019 19:29

Tgt Ion: 88 Resp: 4671
Ion Ratio Lower Upper
88 100
43 34.3 26.5 39.7
58 67.2 56.8 85.2





#50

Toluene-d8

Concen: 50.035 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

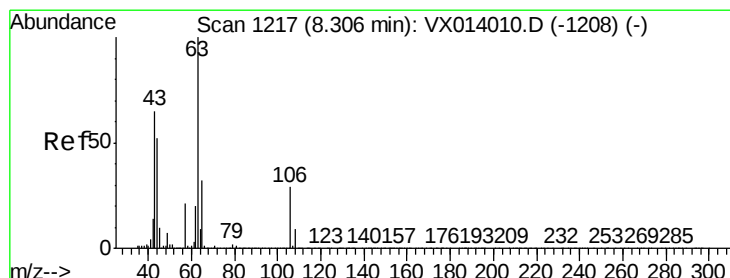
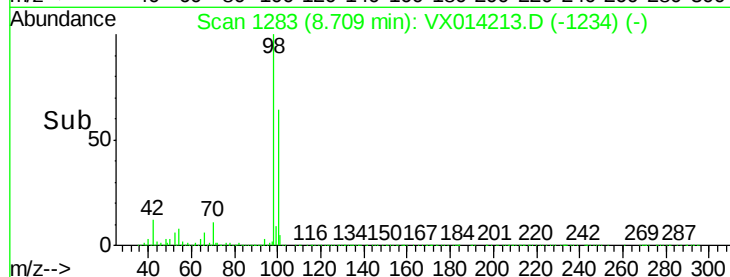
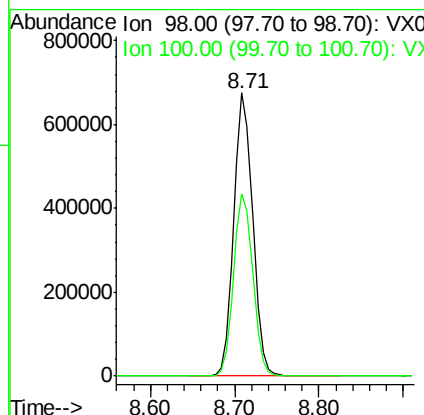
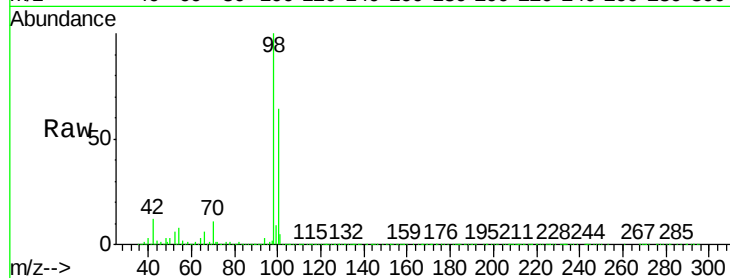
MW-4

Tgt Ion: 98 Resp: 1019992

Ion Ratio Lower Upper

98 100

100 65.2 52.9 79.3



#58

2-Chloroethyl Vinyl ether

Concen: 0.229 ug/l

RT: 8.18 min Scan# 1197

Delta R.T. -0.12 min

Lab File: VX014213.D

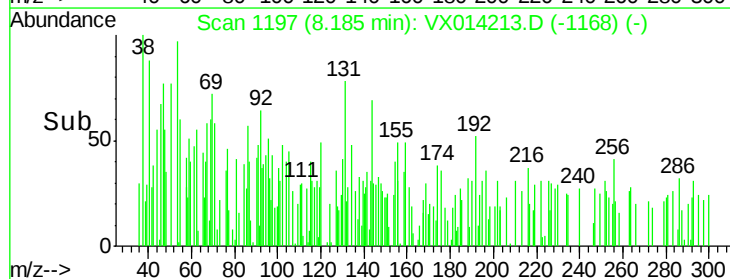
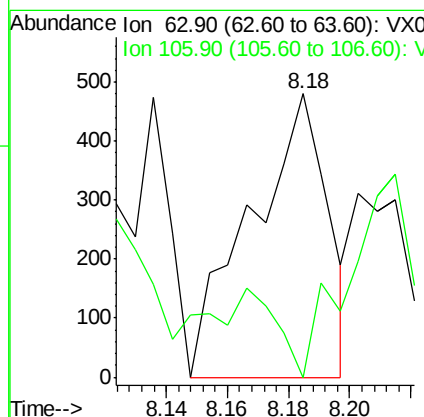
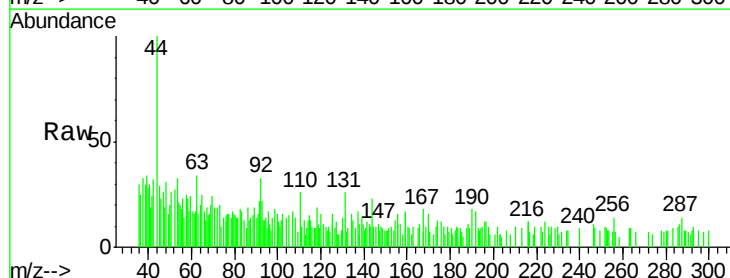
Acq: 23 Dec 2019 19:29

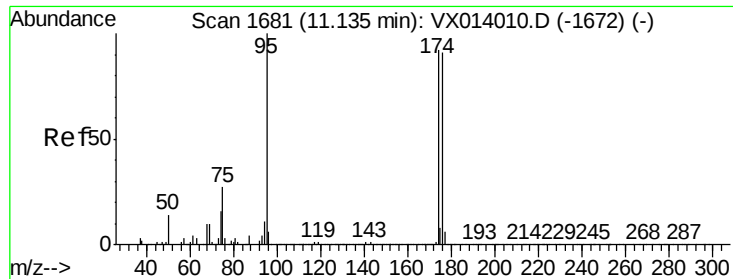
Tgt Ion: 63 Resp: 839

Ion Ratio Lower Upper

63 100

106 23.6 23.0 34.6





#62

4-Bromofluorobenzene

Concen: 46.429 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

MW-4

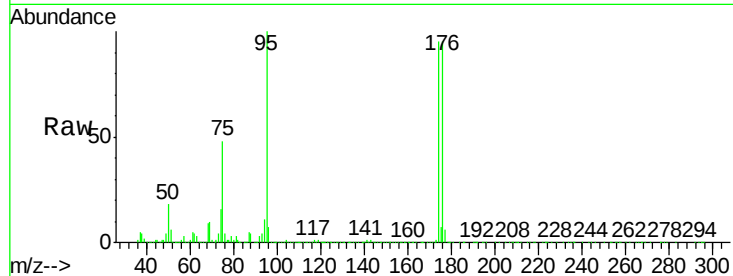
Tgt Ion: 95 Resp: 345980

Ion Ratio Lower Upper

95 100

174 90.7 0.0 175.8

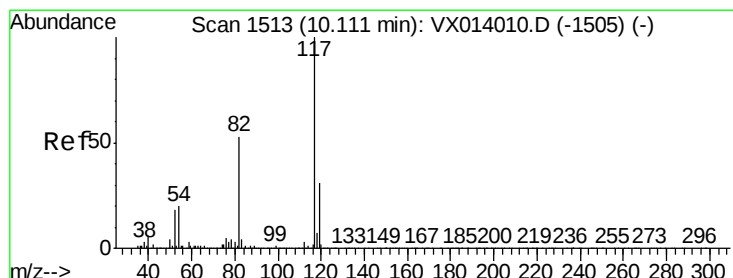
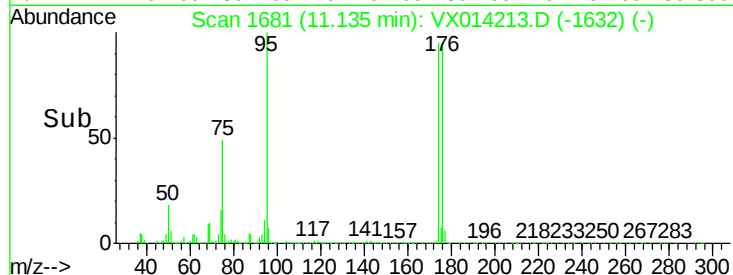
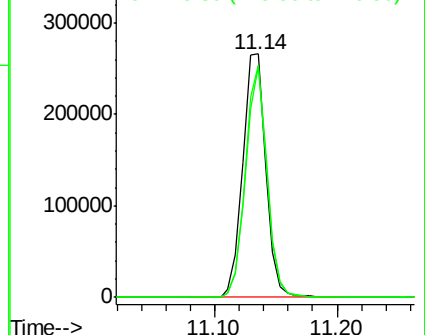
176 87.3 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX

Ion 173.80 (173.50 to 174.50): VX

Ion 175.80 (175.50 to 176.50): VX



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

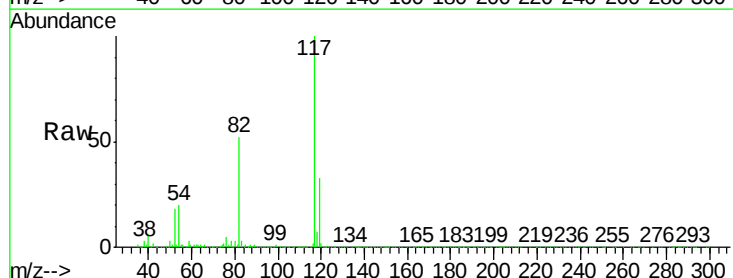
Tgt Ion: 117 Resp: 777188

Ion Ratio Lower Upper

117 100

82 52.4 42.2 63.4

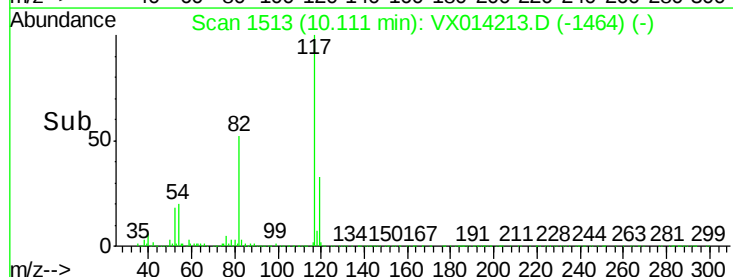
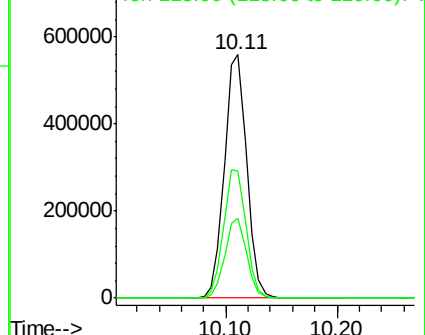
119 32.8 25.1 37.7

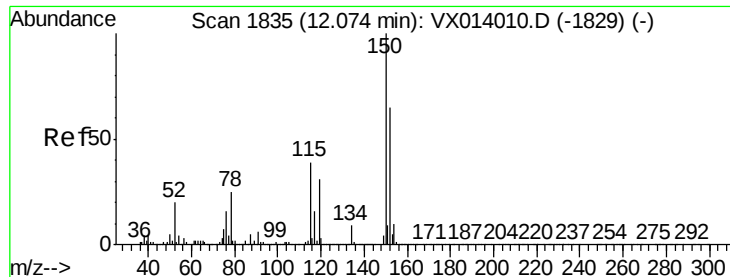


Abundance Ion 116.90 (116.60 to 117.60): VX

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): VX



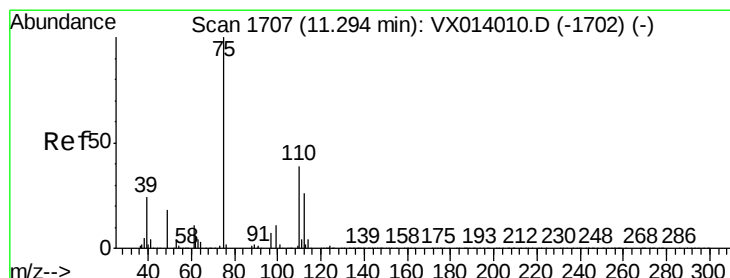
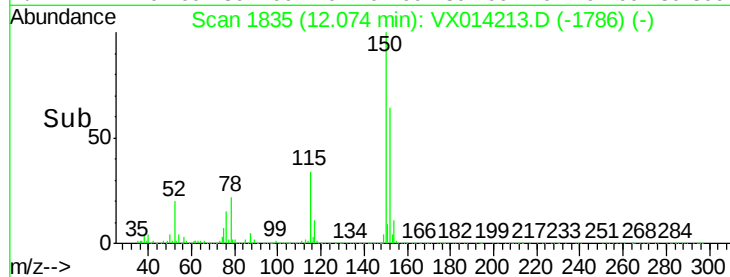
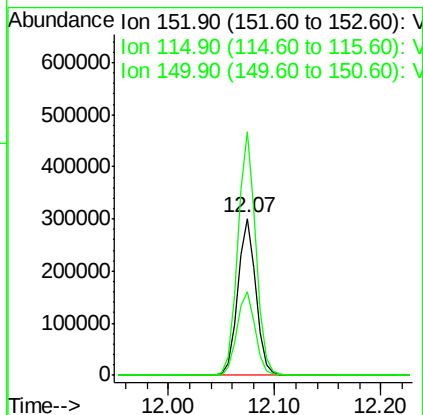
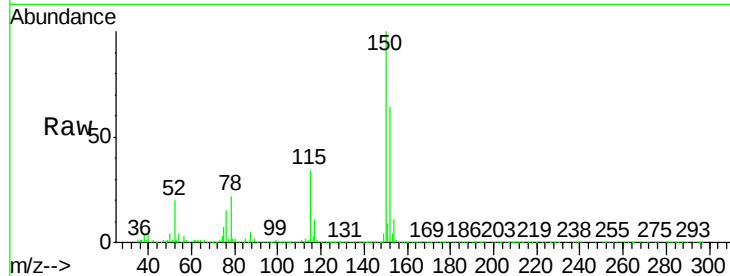


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014213.D
Acq: 23 Dec 2019 19:29

Instrument :
MSVOA_X
ClientSampled :
MW-4

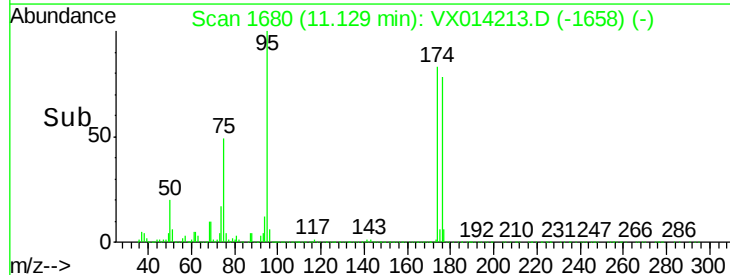
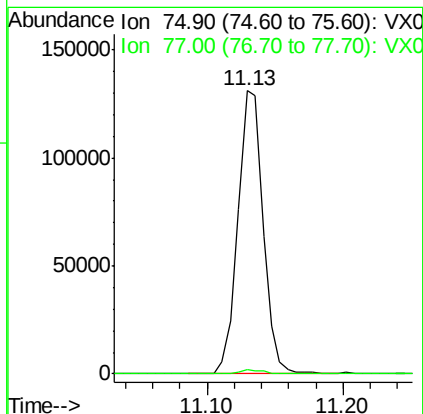
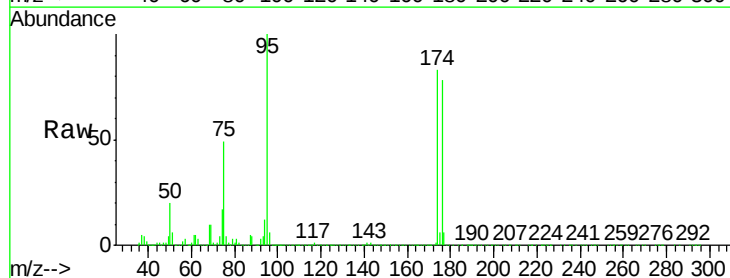
Tgt Ion: 152 Resp: 356730
Ion Ratio Lower Upper
152 100
115 54.2 38.3 114.9
150 154.0 0.0 345.4

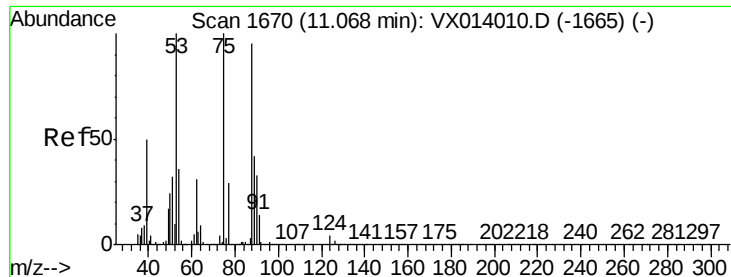


#76

1,2,3-Trichloropropane
Concen: 21.772 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014213.D
Acq: 23 Dec 2019 19:29

Tgt Ion: 75 Resp: 168618
Ion Ratio Lower Upper
75 100
77 1.3 19.3 57.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 61.453 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014213.D

Acq: 23 Dec 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

MW-4

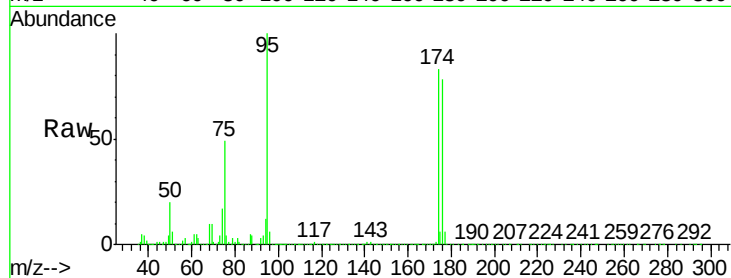
Tgt Ion: 75 Resp: 168618

Ion Ratio Lower Upper

75 100

53 0.3 76.7 115.1#

89 0.1 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

