

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122019\
 Data File : VX014174.D
 Acq On : 20 Dec 2019 15:16
 Operator : JC/SP
 Sample : K6379-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-F

Quant Time: Dec 20 22:28:07 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	571591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	867985	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	771655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	342649	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	311661	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
35) Dibromofluoromethane	5.49	113	257351	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	8.71	98	1024234	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.14	95	346170	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	

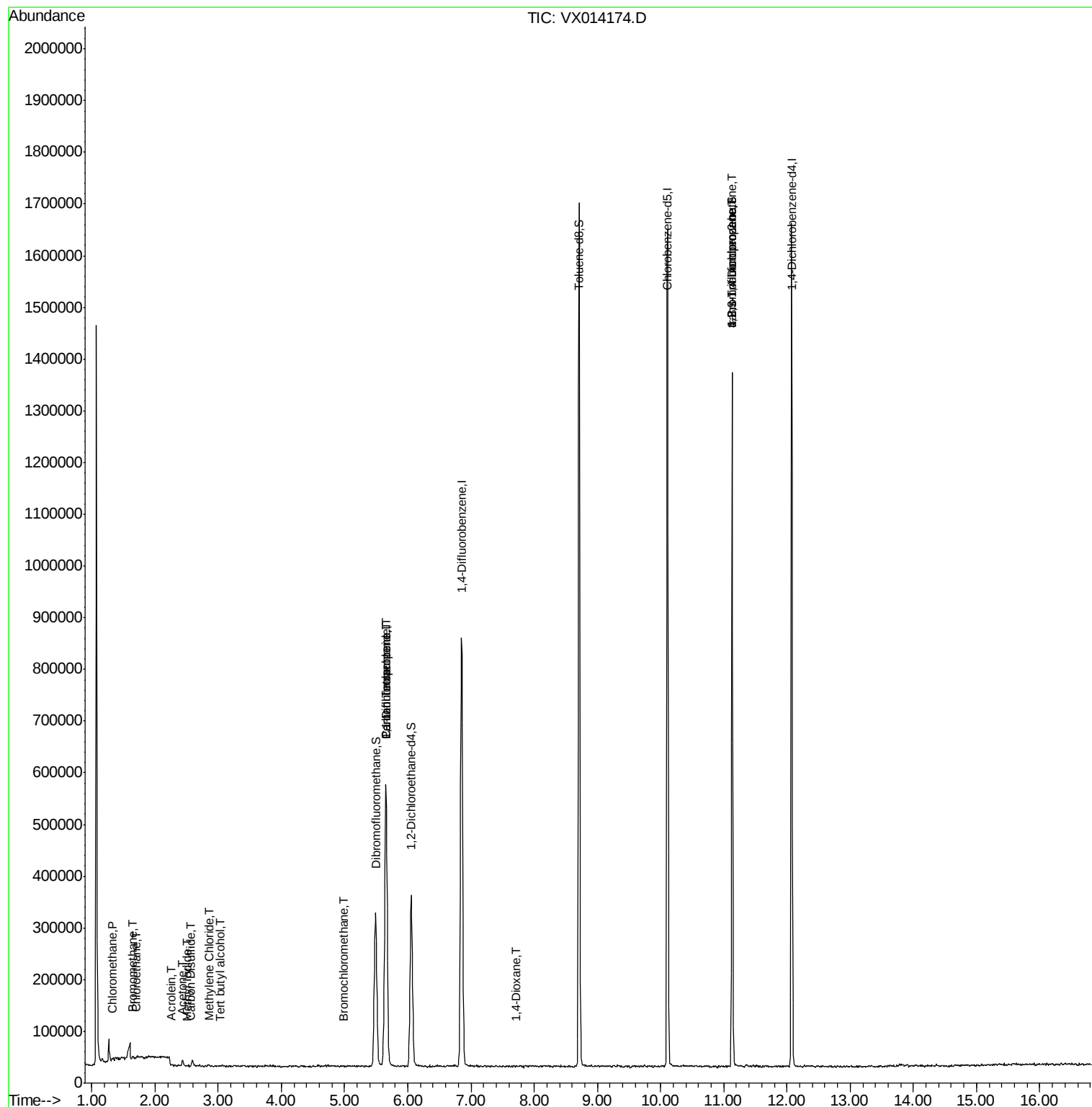
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1853	0.270	ug/l #	74
5) Bromomethane	1.64	94	1103	0.215	ug/l #	71
6) Chloroethane	1.71	64	1023	0.229	ug/l #	55
10) Methyl Iodide	2.51	142	616	2.703	ug/l #	43
11) Tert butyl alcohol	3.03	59	344	0.246	ug/l #	72
13) Acrolein	2.26	56	456	0.569	ug/l #	69
16) Acetone	2.43	43	11541	2.744	ug/l	92
17) Carbon Disulfide	2.56	76	842	0.805	ug/l #	75
20) Methylene Chloride	2.84	84	2575	0.389	ug/l	92
28) Bromochloromethane	4.98	49	238	0.510	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	38288	4.807	ug/l #	51
38) Carbon Tetrachloride	5.65	117	49866	6.873	ug/l #	17
49) 1,4-Dioxane	7.72	88	231	1.593	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	170657	22.941	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	170657	64.752	ug/l #	12

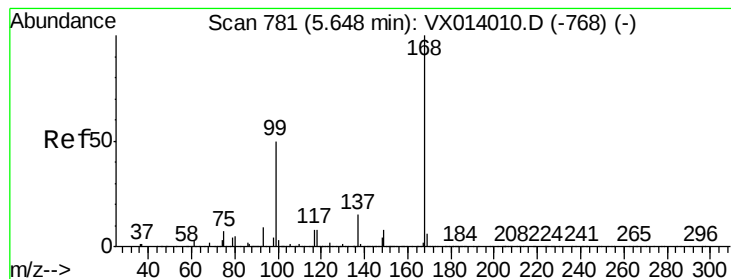
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122019\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014174.D

Acq: 20 Dec 2019 15:16

Instrument :

MSVOA_X

ClientSampled :

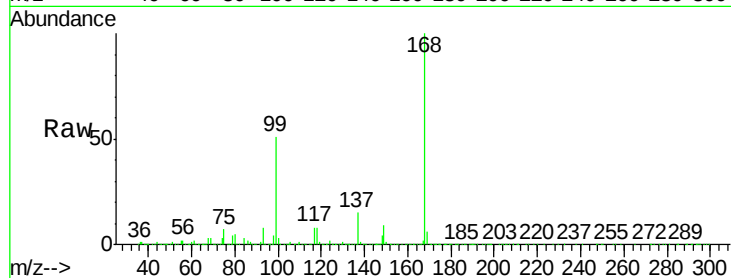
MH-F

Tgt Ion:168 Resp: 571591

Ion Ratio Lower Upper

168 100

99 51.0 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

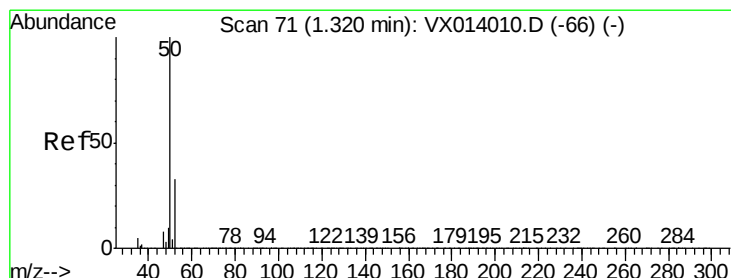
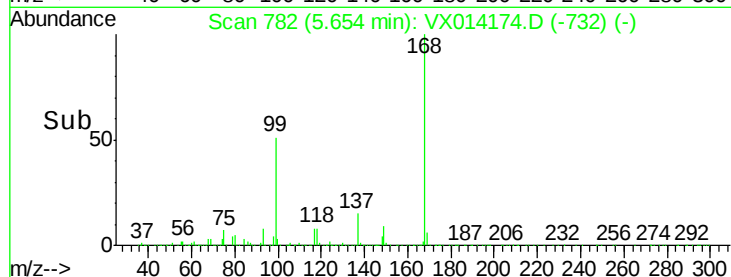
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.270 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014174.D

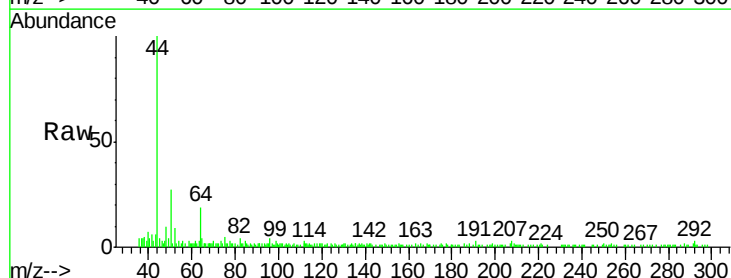
Acq: 20 Dec 2019 15:16

Tgt Ion: 50 Resp: 1853

Ion Ratio Lower Upper

50 100

52 18.0 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2500

2000

1500

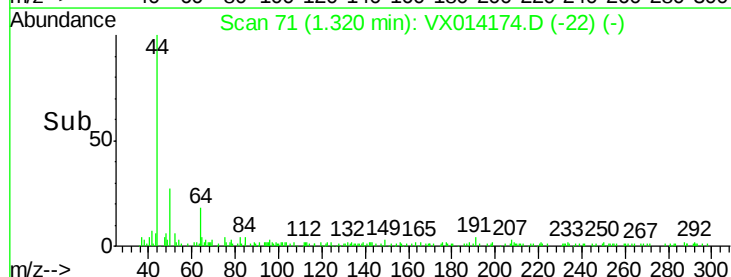
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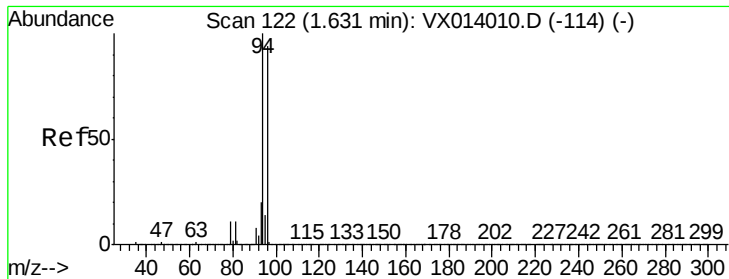
500

0

Time-->

1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.215 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014174.D

Acq: 20 Dec 2019 15:16

Instrument :

MSVOA_X

ClientSampleId :

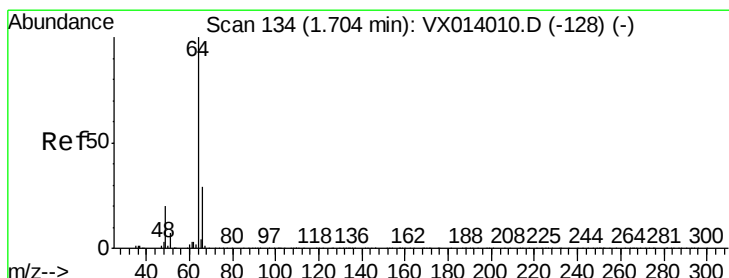
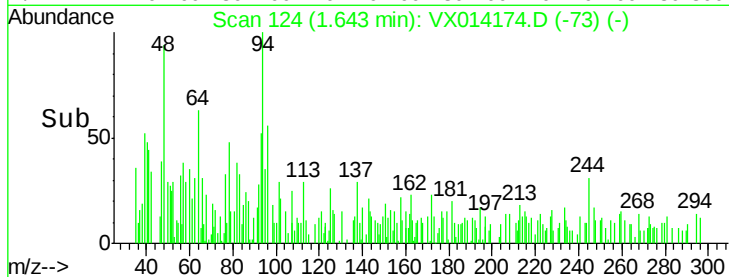
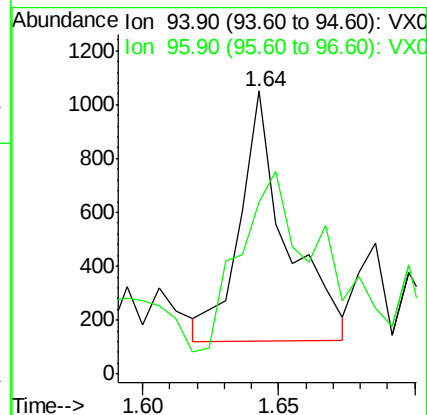
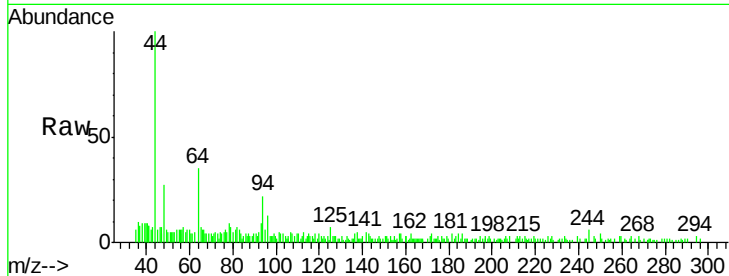
MH-F

Tgt Ion: 94 Resp: 1103

Ion Ratio Lower Upper

94 100

96 66.4 75.2 112.8#



#6

Chloroethane

Concen: 0.229 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX014174.D

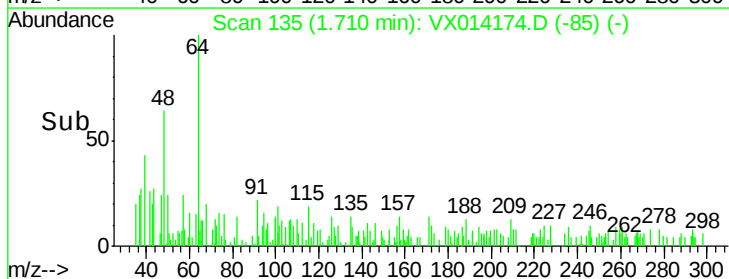
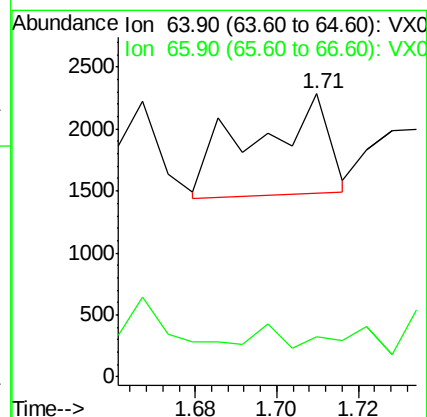
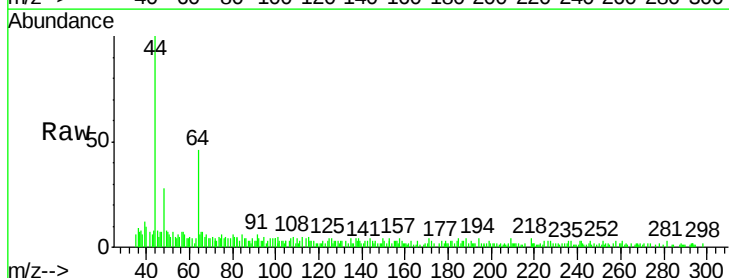
Acq: 20 Dec 2019 15:16

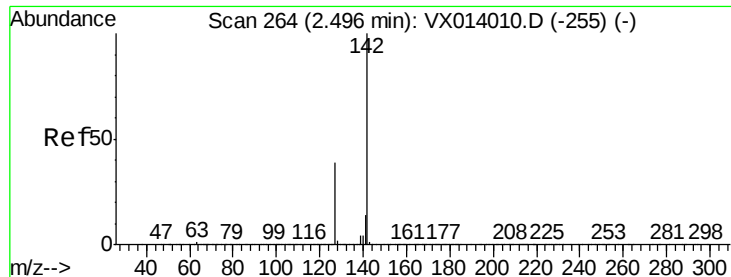
Tgt Ion: 64 Resp: 1023

Ion Ratio Lower Upper

64 100

66 5.3 23.4 35.2#

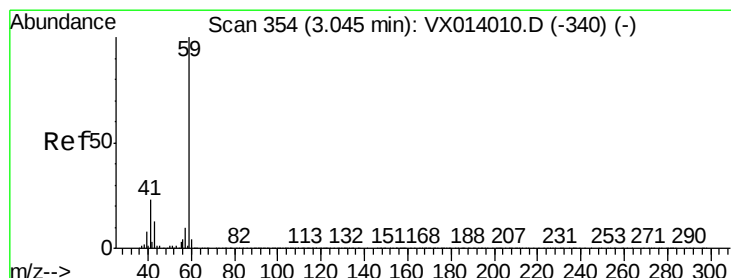
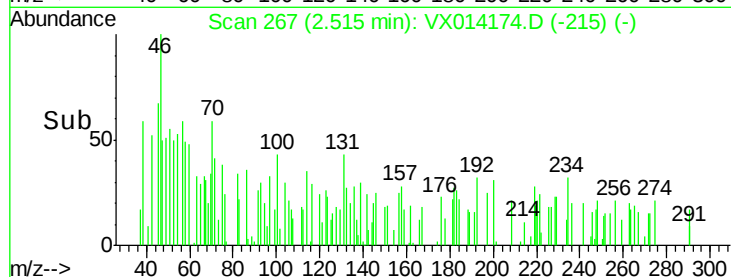
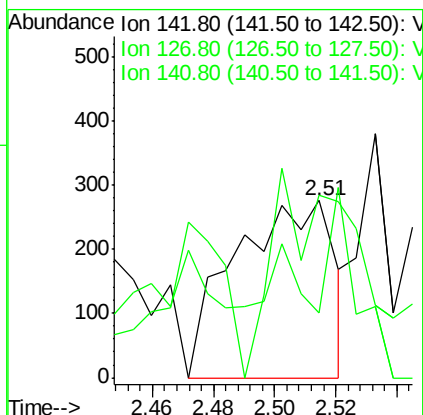
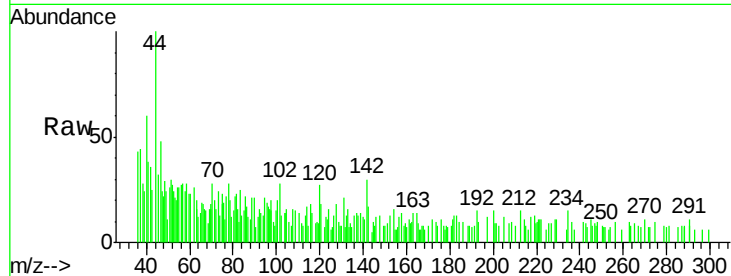




#10
Methyl Iodide
Concen: 2.703 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX014174.D
Acq: 20 Dec 2019 15:16

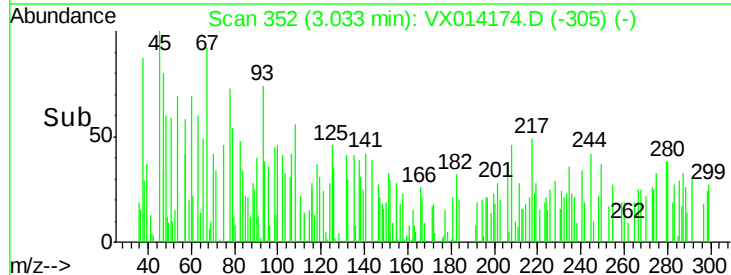
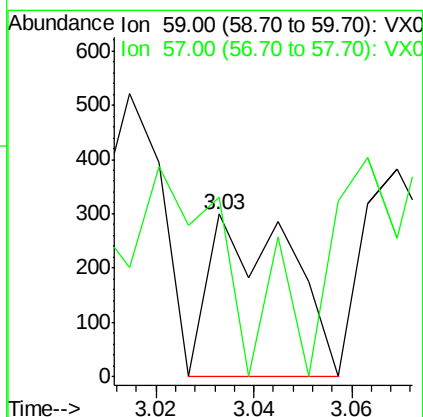
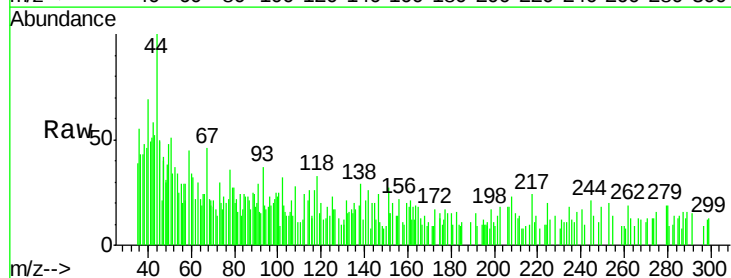
Instrument :
MSVOA_X
ClientSampled :
MH-F

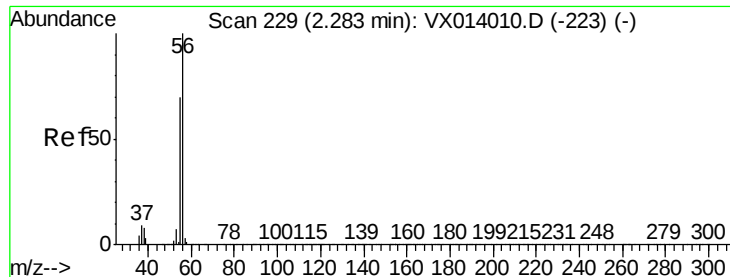
Tgt Ion: 142 Resp: 616
Ion Ratio Lower Upper
142 100
127 0.0 31.6 47.4#
141 30.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.246 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX014174.D
Acq: 20 Dec 2019 15:16

Tgt Ion: 59 Resp: 344
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

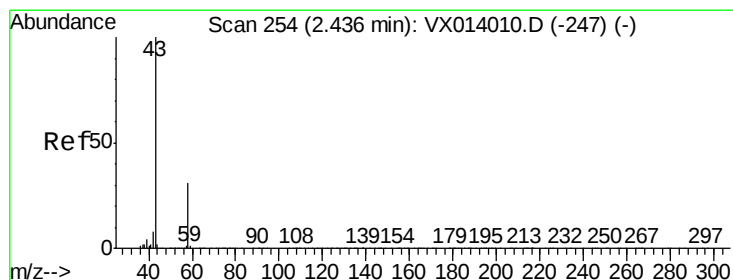
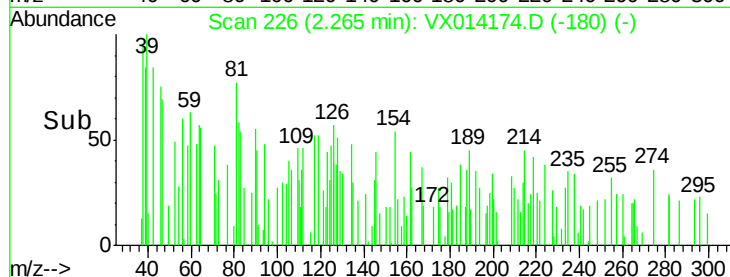
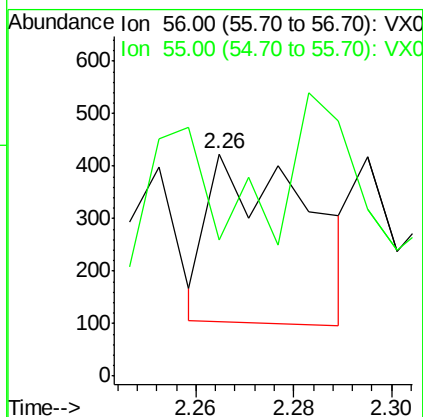
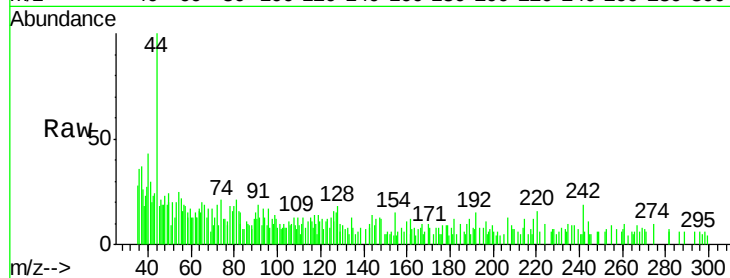




#13
Acrolein
Concen: 0.569 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX014174.D
Acq: 20 Dec 2019 15:16

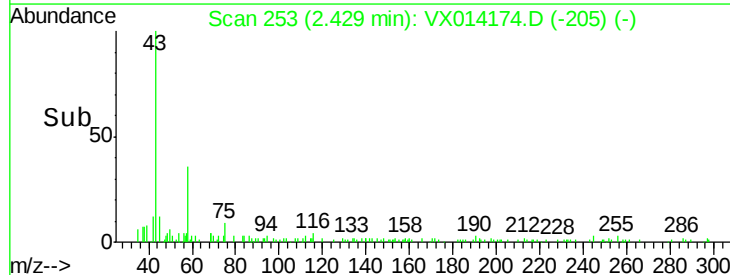
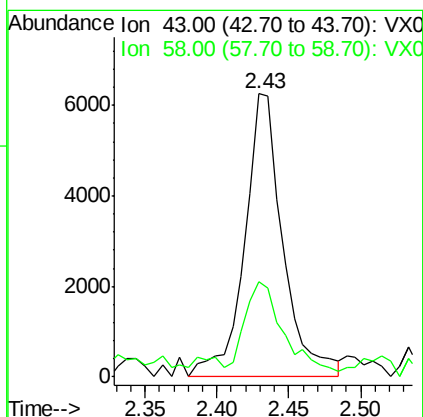
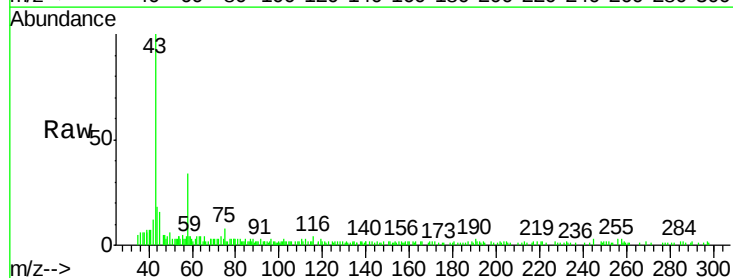
Instrument :
MSVOA_X
ClientSampled :
MH-F

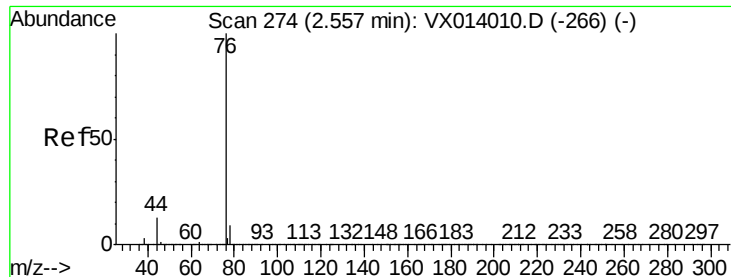
Tgt Ion: 56 Resp: 456
Ion Ratio Lower Upper
56 100
55 45.2 56.9 85.3#



#16
Acetone
Concen: 2.744 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014174.D
Acq: 20 Dec 2019 15:16

Tgt Ion: 43 Resp: 11541
Ion Ratio Lower Upper
43 100
58 35.7 24.9 37.3





#17

Carbon Disulfide

Concen: 0.805 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014174.D

Acq: 20 Dec 2019 15:16

Instrument :

MSVOA_X

ClientSampleId :

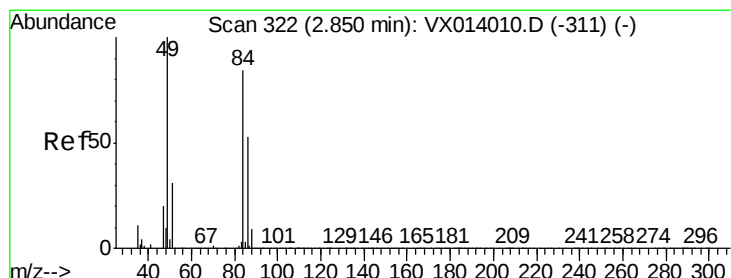
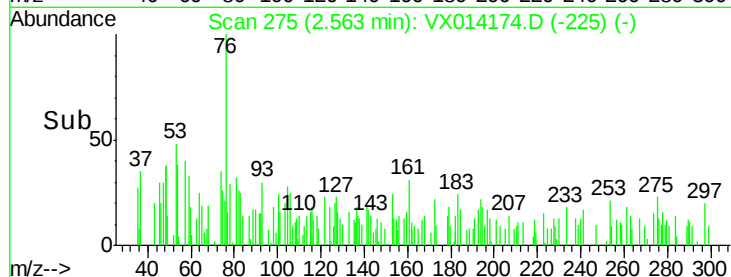
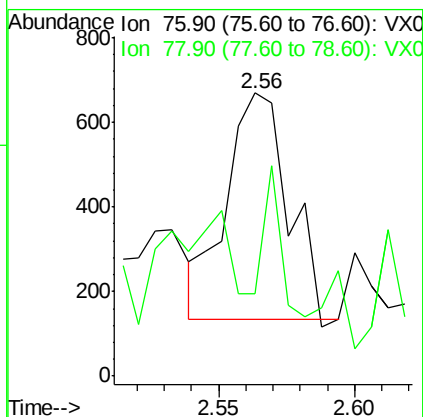
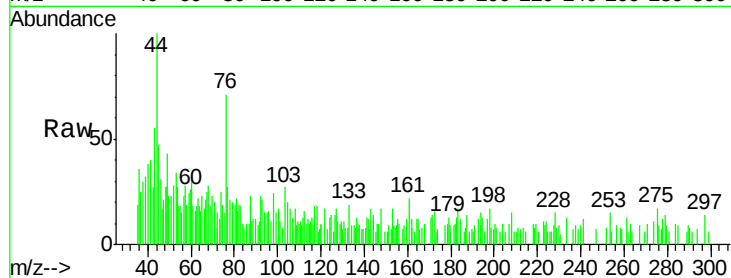
MH-F

Tgt Ion: 76 Resp: 842

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.389 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX014174.D

Acq: 20 Dec 2019 15:16

Tgt Ion: 84 Resp: 2575

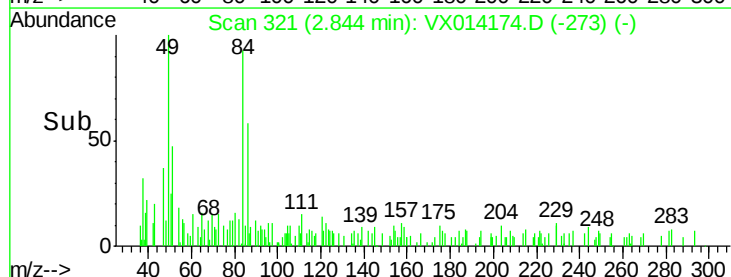
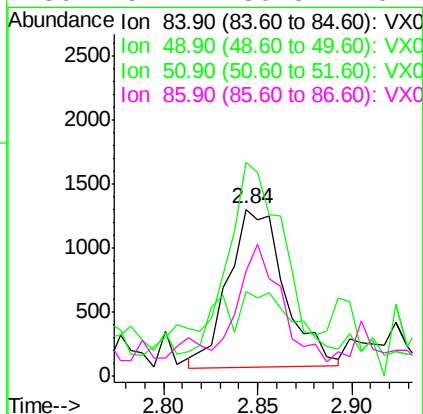
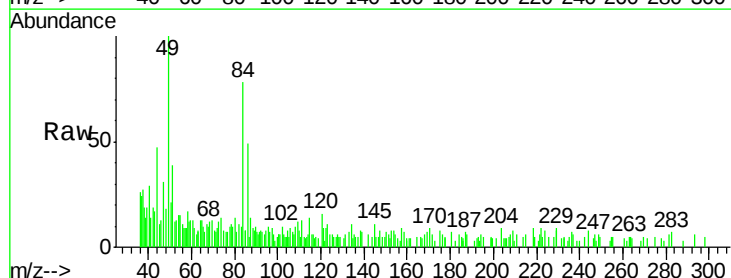
Ion Ratio Lower Upper

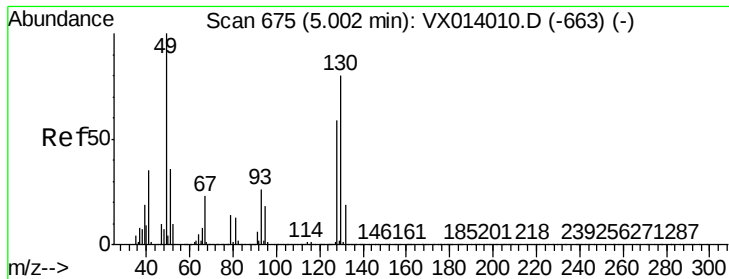
84 100

49 112.3 95.8 143.6

51 40.6 29.8 44.8

86 54.4 50.8 76.2

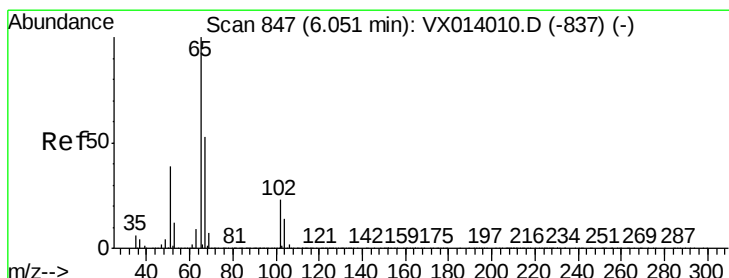
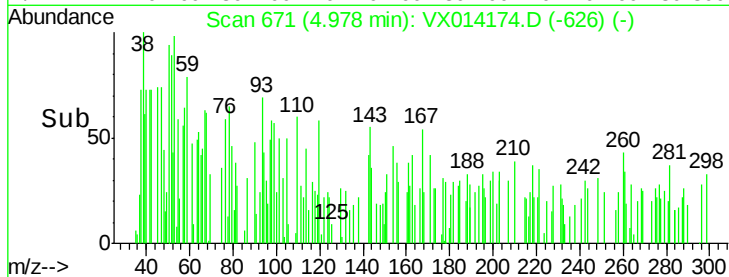
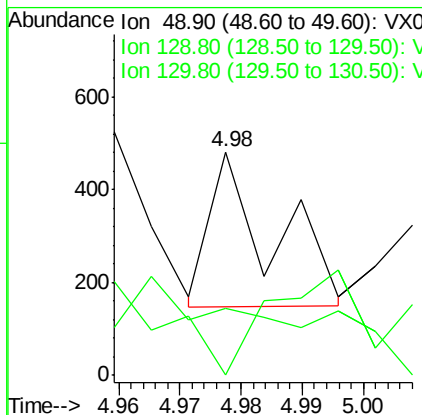
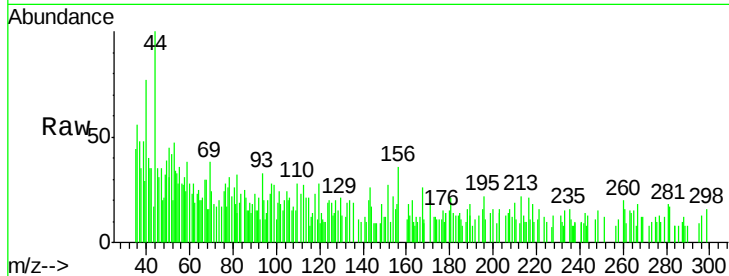




#28
Bromochloromethane
Concen: 0.510 ug/l
RT: 4.98 min Scan# 671
Delta R.T. -0.02 min
Lab File: VX014174.D
Acq: 20 Dec 2019 15:16

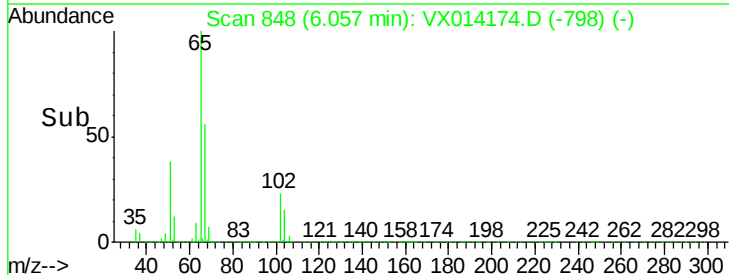
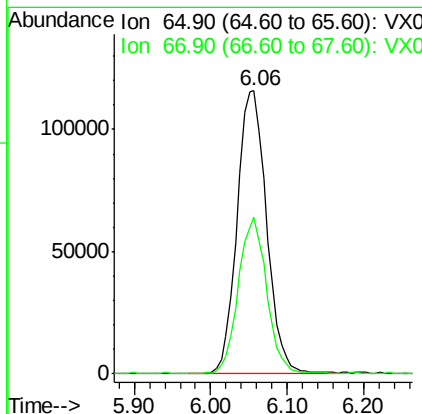
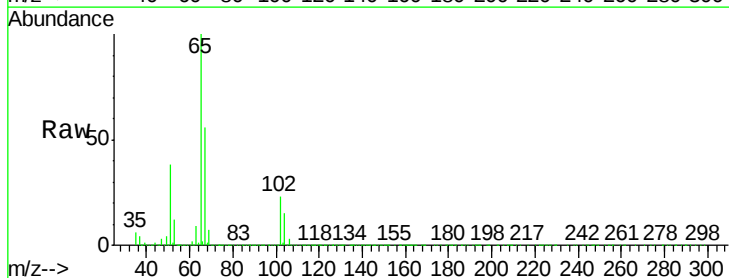
Instrument :
MSVOA_X
ClientSampleId :
MH-F

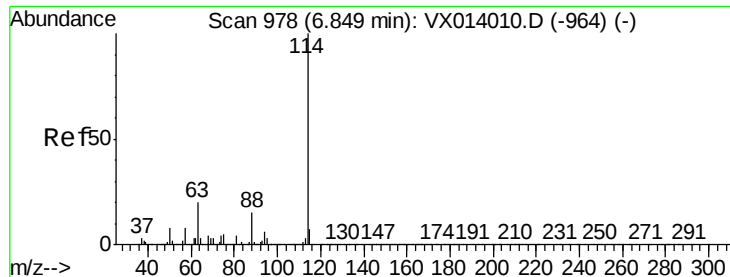
Tgt Ion: 49 Resp: 238
Ion Ratio Lower Upper
49 100
129 147.9 0.0 5.0#
130 0.0 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 48.109 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014174.D
Acq: 20 Dec 2019 15:16

Tgt Ion: 65 Resp: 311661
Ion Ratio Lower Upper
65 100
67 52.6 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: VX014174.D

Acq: 20 Dec 2019 15:16

Instrument :

MSVOA_X

ClientSampleId :

MH-F

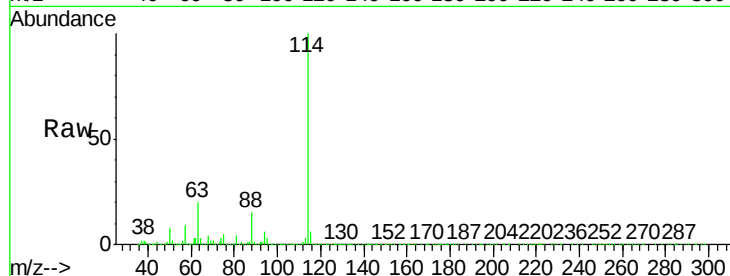
Tgt Ion:114 Resp: 867985

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

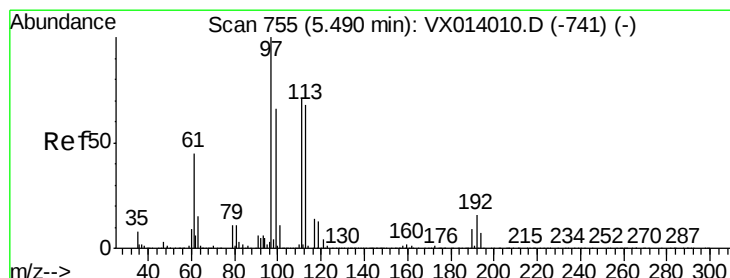
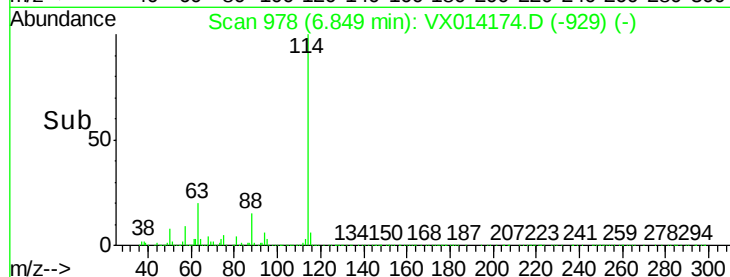
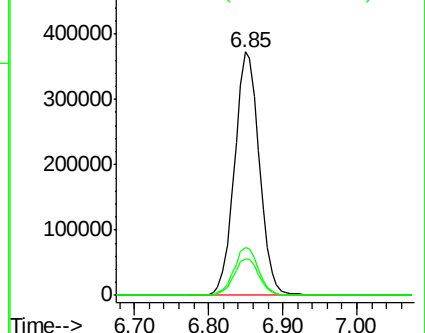
88 15.1 0.0 30.4



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: 48.774 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014174.D

Acq: 20 Dec 2019 15:16

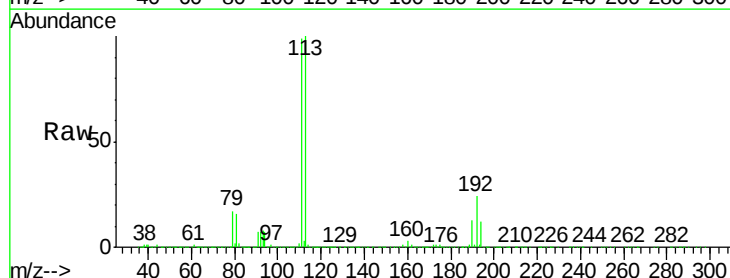
Tgt Ion:113 Resp: 257351

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

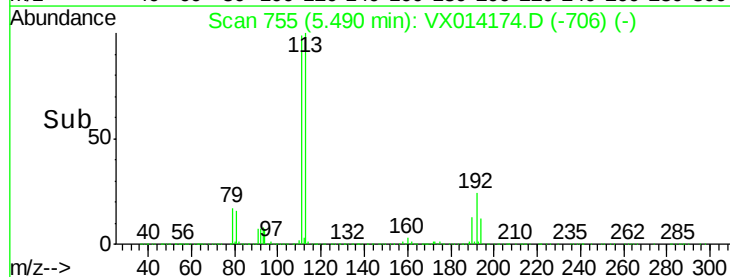
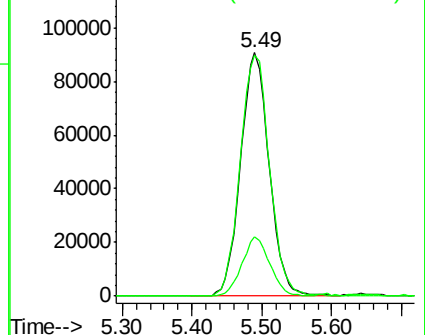
192 23.9 19.3 28.9

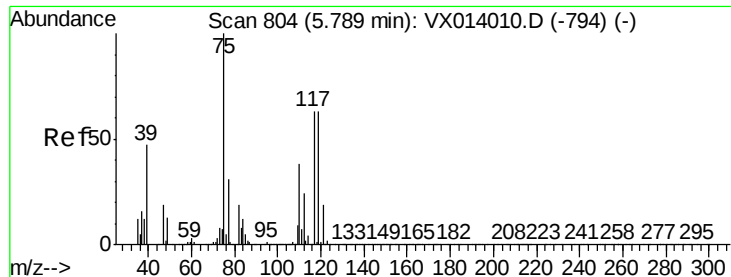


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

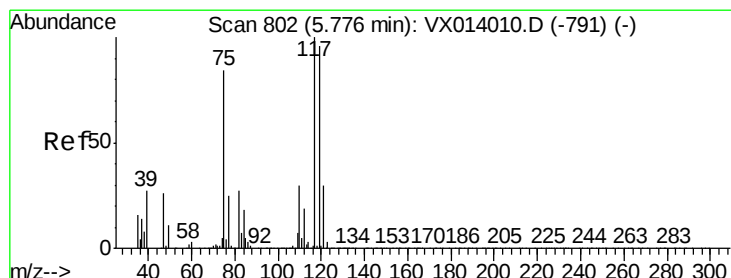
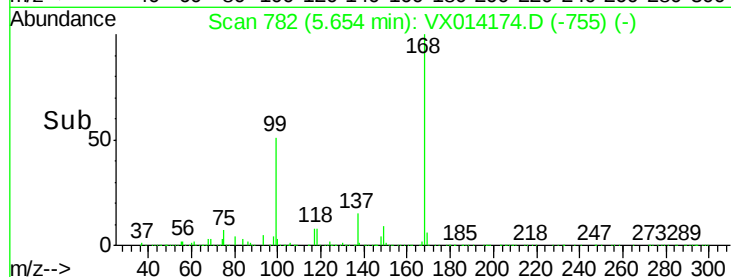
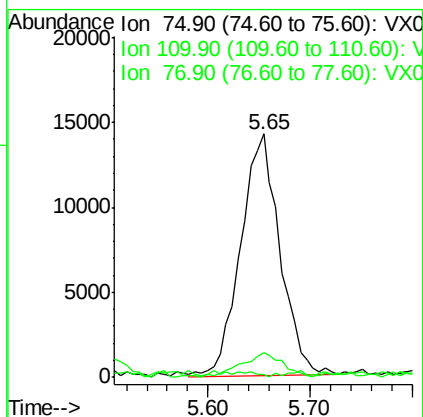
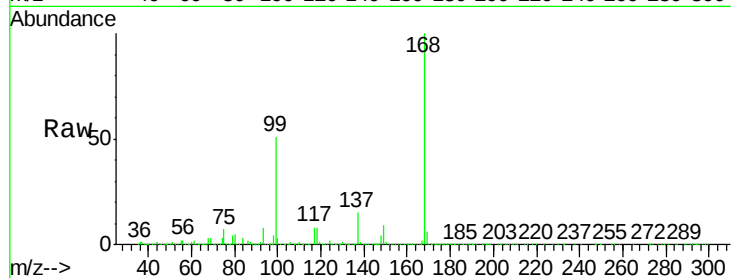




#36
 1,1-Dichloropropene
 Concen: 4.807 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014174.D
 Acq: 20 Dec 2019 15:16

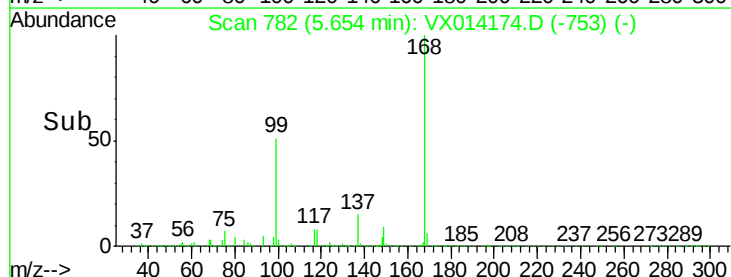
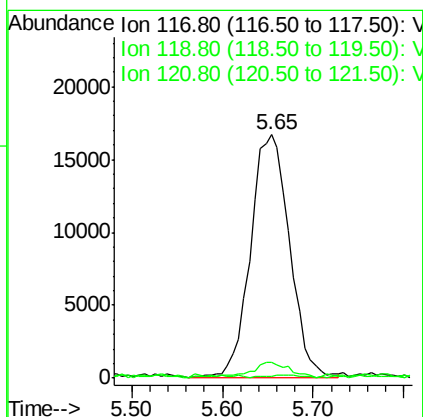
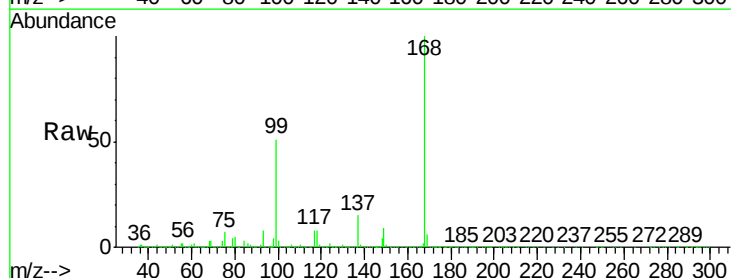
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-F

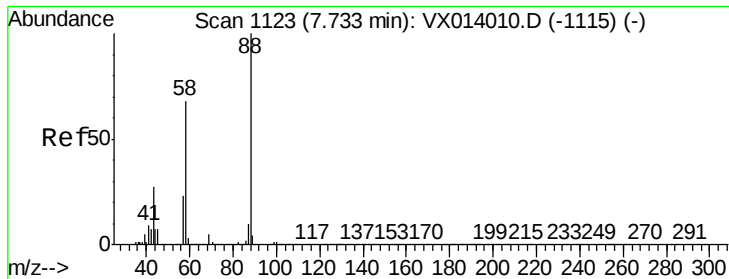
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.3	54.9#
77	1.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.873 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014174.D
 Acq: 20 Dec 2019 15:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.2	114.4#
121	0.8	23.6	35.4#

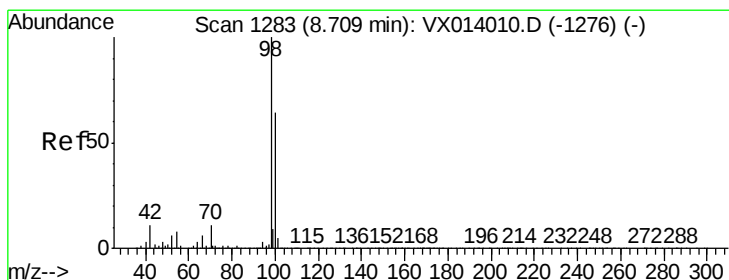
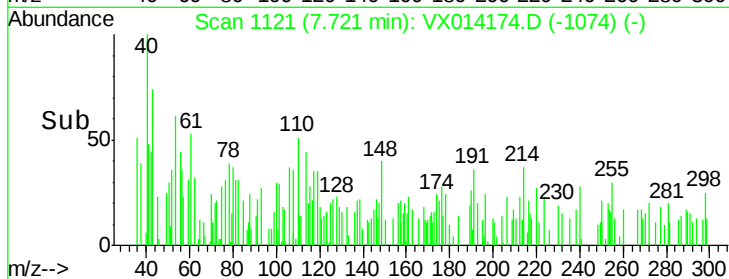
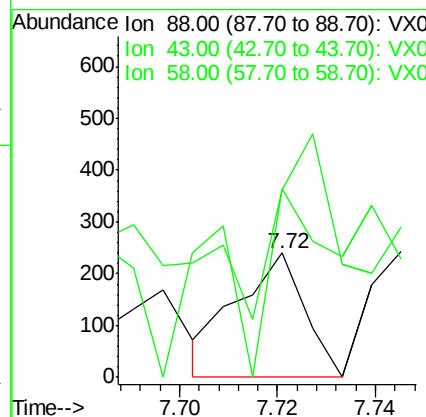
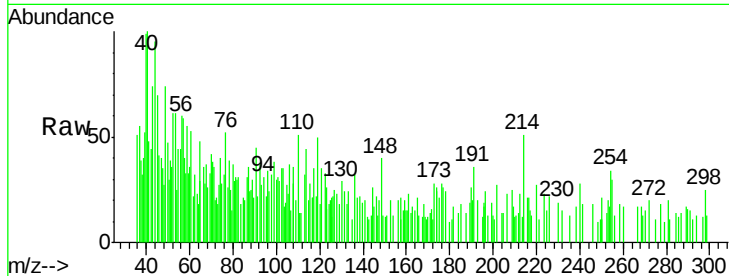




#49
1,4-Dioxane
Concen: 1.593 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014174.D
Acq: 20 Dec 2019 15:16

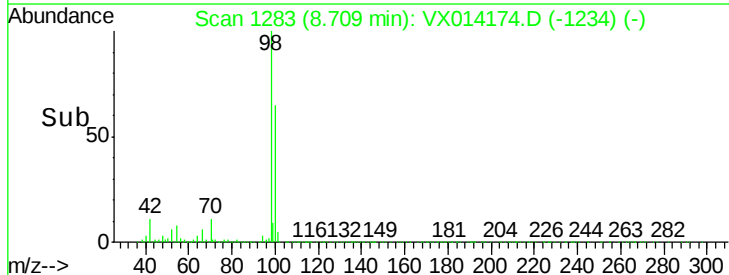
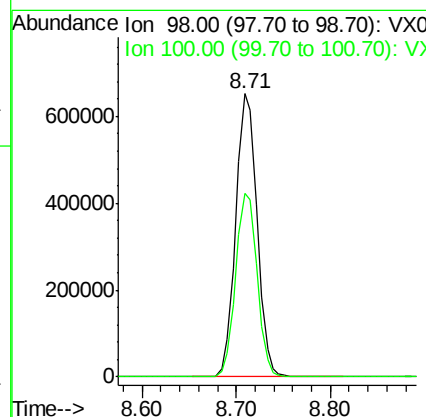
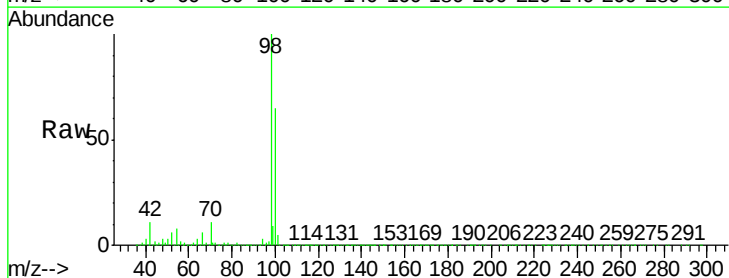
Instrument :
MSVOA_X
ClientSampleId :
MH-F

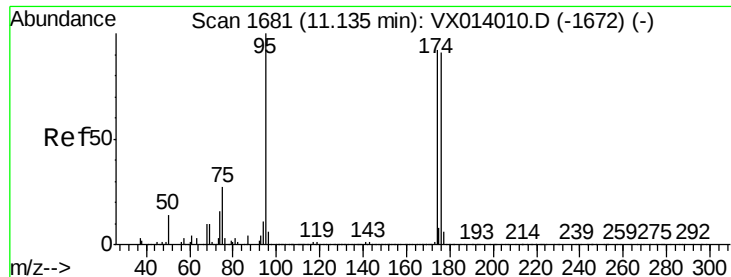
Tgt Ion: 88 Resp: 231
Ion Ratio Lower Upper
88 100
43 136.4 26.5 39.7#
58 127.3 56.8 85.2#



#50
Toluene-d8
Concen: 49.860 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014174.D
Acq: 20 Dec 2019 15:16

Tgt Ion: 98 Resp: 1024234
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 46.100 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX014174.D

Acq: 20 Dec 2019 15:16

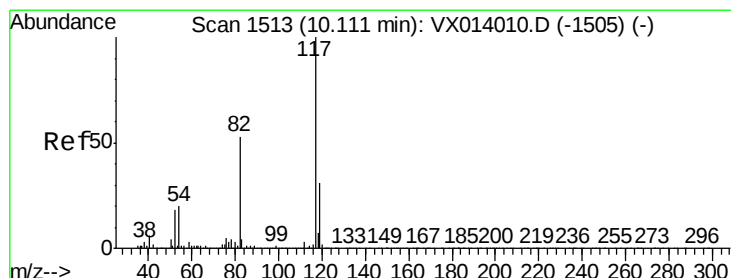
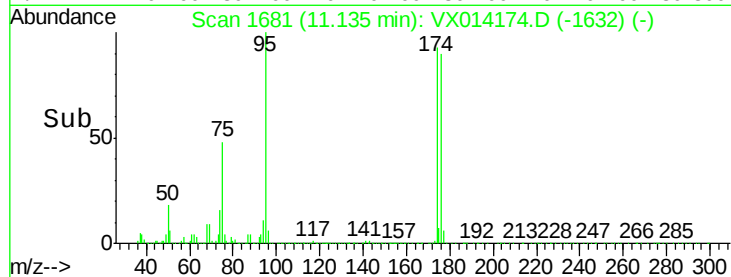
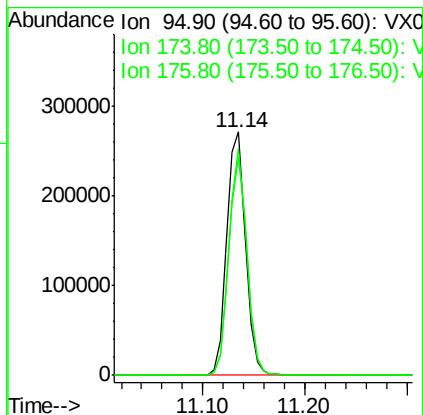
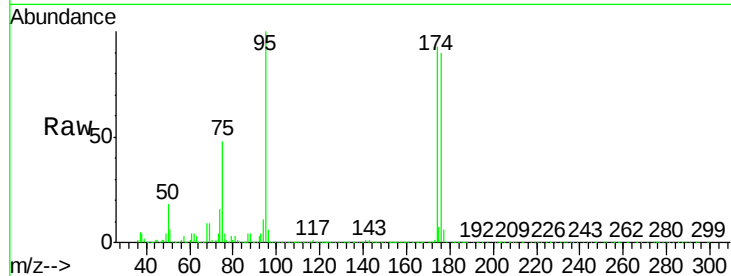
Instrument :

MSVOA_X

ClientSampleId :

MH-F

Tgt Ion:	95	Resp:	346170
Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	175.8
176	86.3	0.0	173.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

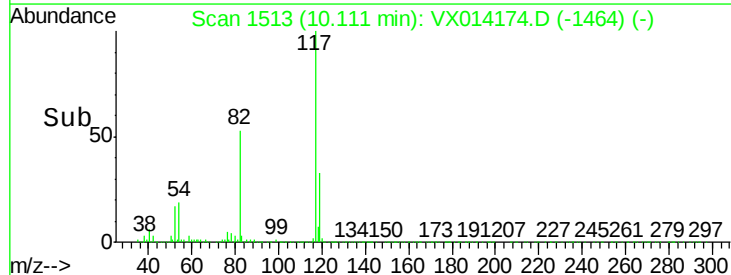
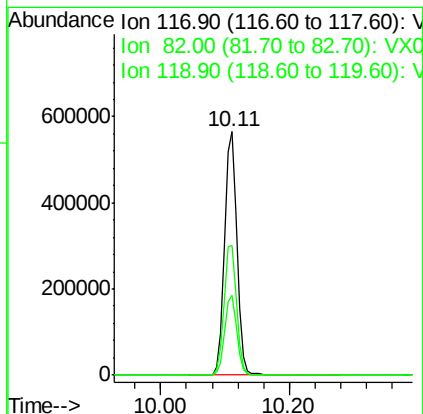
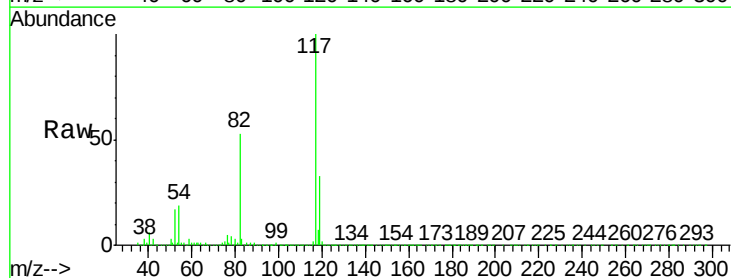
RT: 10.11 min Scan# 1513

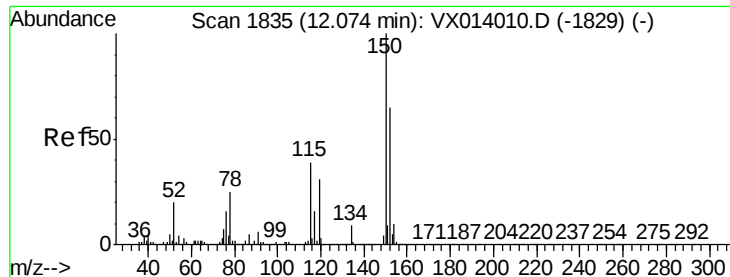
Delta R.T. -0.00 min

Lab File: VX014174.D

Acq: 20 Dec 2019 15:16

Tgt Ion:	117	Resp:	771655
Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.2	63.4
119	32.6	25.1	37.7



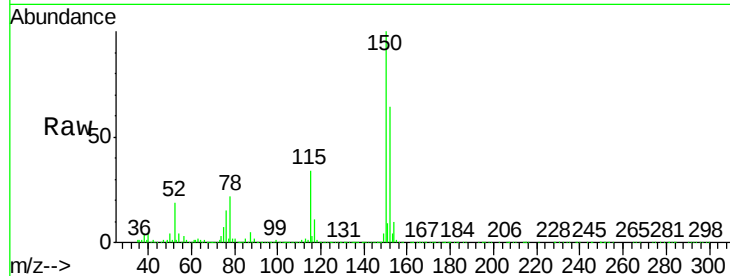


#72

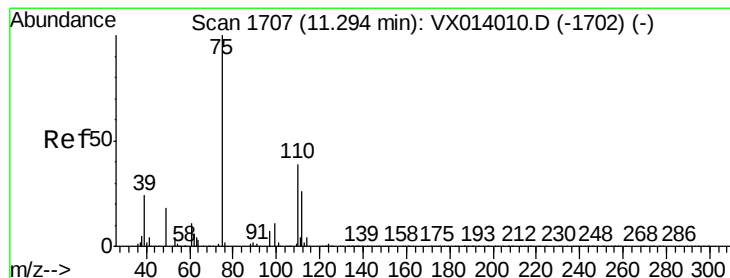
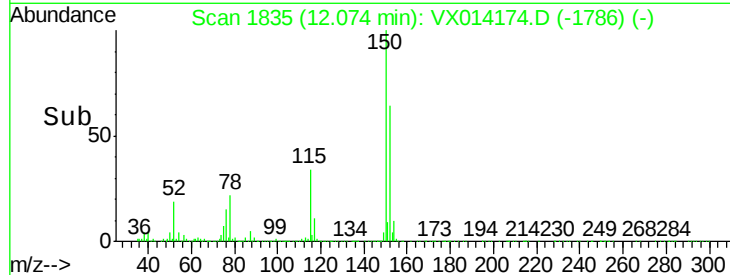
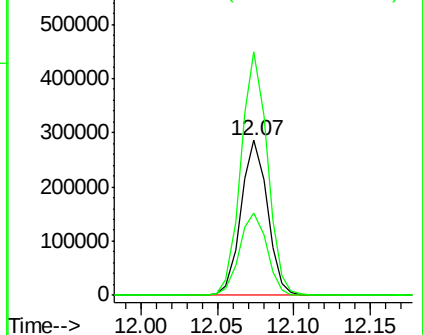
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014174.D
Acq: 20 Dec 2019 15:16

Instrument :
MSVOA_X
ClientSampleId :
MH-F

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.3	114.9
150	157.1	0.0	345.4



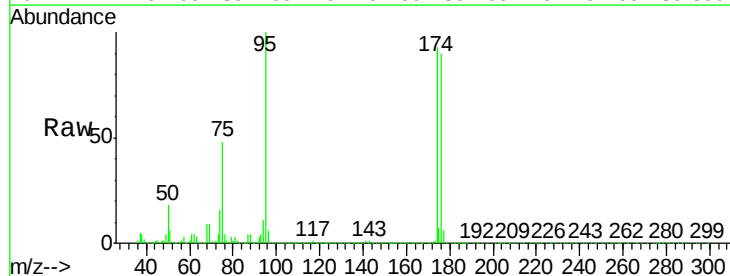
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



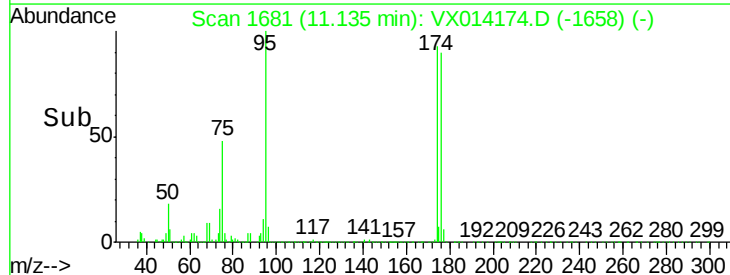
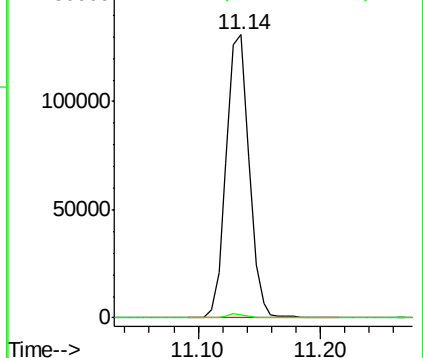
#76

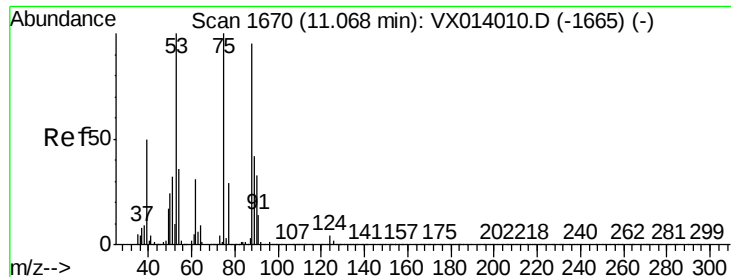
1,2,3-Trichloropropane
Concen: 22.941 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX014174.D
Acq: 20 Dec 2019 15:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	19.3	57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.752 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014174.D

Acq: 20 Dec 2019 15:16

Instrument :

MSVOA_X

ClientSampleId :

MH-F

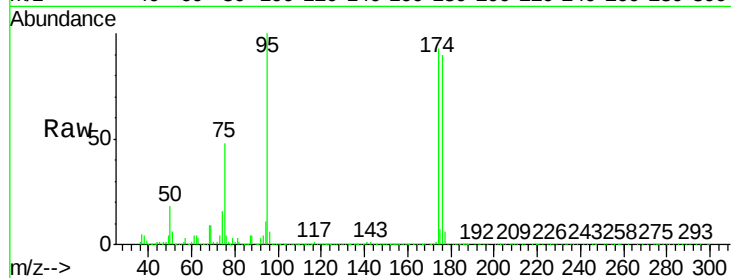
Tgt Ion: 75 Resp: 170657

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.3 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

