

Data File : VX015597.D
Acq On : 09 Apr 2020 15:24
Operator : JC/SP
Sample : L2178-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1D

Quant Time: Apr 10 04:47:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1037497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1608418	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1549488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	872608	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	684483	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	5.47	113	508999	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	8.70	98	1951572	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.12	95	844404	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	

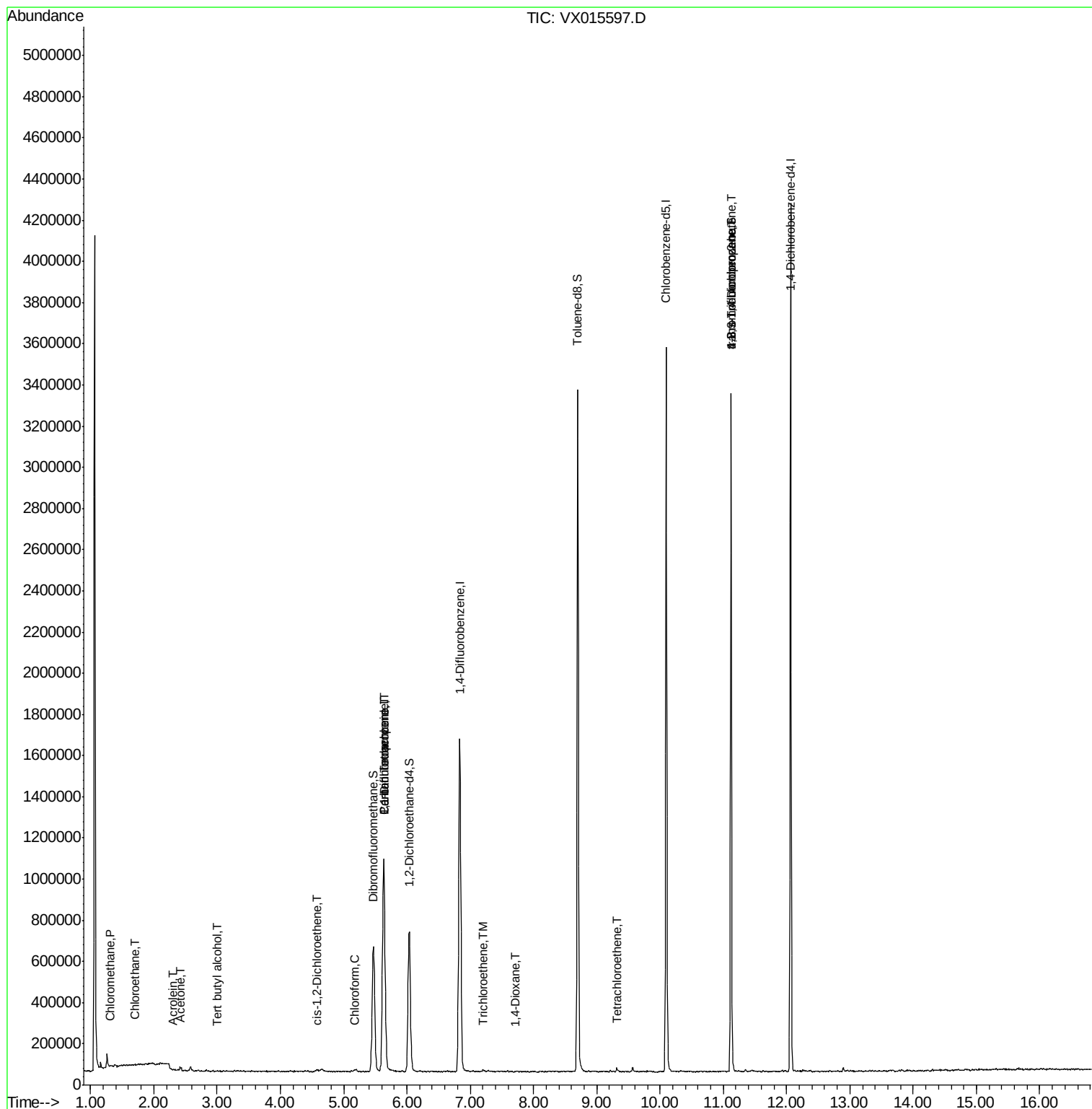
Target Compounds			Qvalue			
3) Chloromethane	1.31	50	3599	0.309	ug/l #	83
5) Bromomethane	1.64	94	737	Below Cal	#	57
6) Chloroethane	1.70	64	3015	0.455	ug/l #	43
11) Tert butyl alcohol	3.00	59	2502	0.714	ug/l #	54
13) Acrolein	2.30	56	690	0.346	ug/l	99
16) Acetone	2.42	43	19179	3.051	ug/l #	89
27) cis-1,2-Dichloroethene	4.58	96	5817	0.463	ug/l	67
30) Chloroform	5.19	83	11052	0.538	ug/l	87
36) 1,1-Dichloropropene	5.63	75	76215	5.143	ug/l #	53
38) Carbon Tetrachloride	5.63	117	96304	6.000	ug/l #	15
44) Trichloroethene	7.20	130	3334	0.282	ug/l	98
49) 1,4-Dioxane	7.72	88	100	0.329	ug/l #	1
64) Tetrachloroethene	9.32	164	3739	0.320	ug/l #	93
76) 1,2,3-Trichloropropane	11.12	75	427762	23.838	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	427445	57.156	ug/l #	10

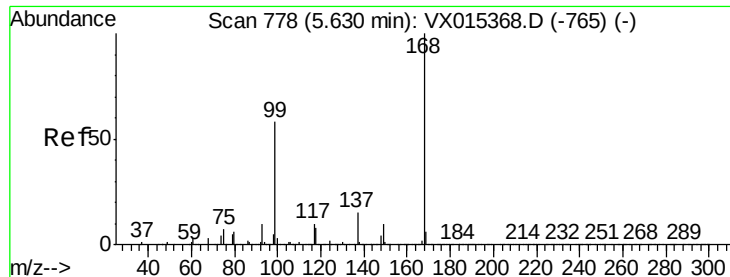
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015597.D

Acq: 09 Apr 2020 15:24

Instrument :

MSVOA_X

ClientSampleId :

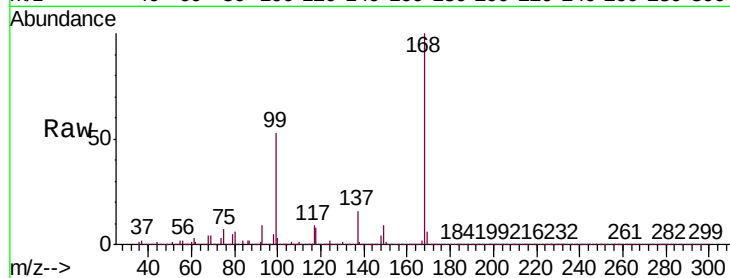
MW-1D

Tgt Ion:168 Resp: 1037497

Ion Ratio Lower Upper

168 100

99 53.2 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

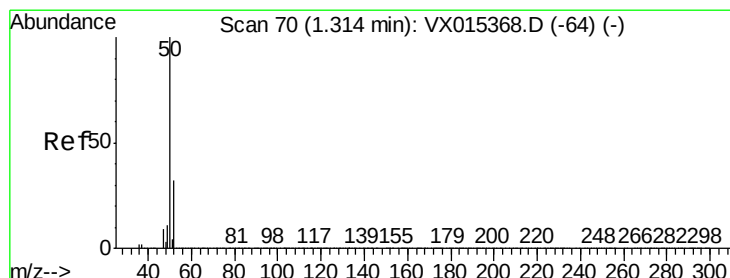
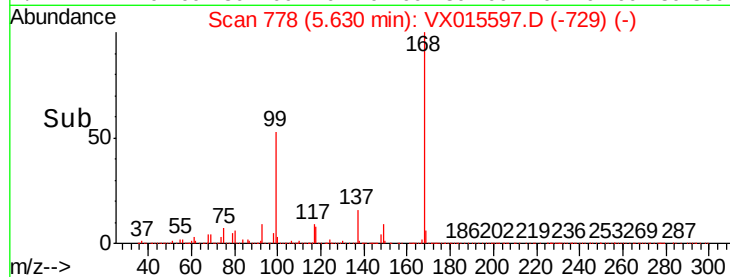
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.309 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015597.D

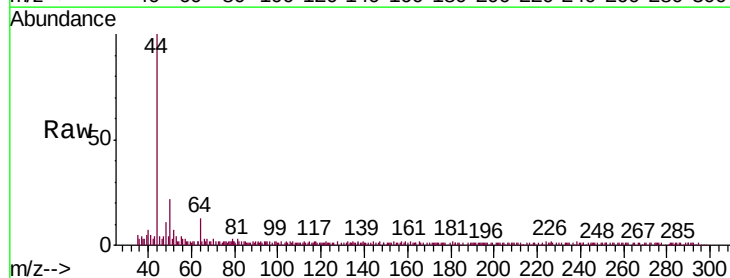
Acq: 09 Apr 2020 15:24

Tgt Ion: 50 Resp: 3599

Ion Ratio Lower Upper

50 100

52 22.0 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

4000

3000

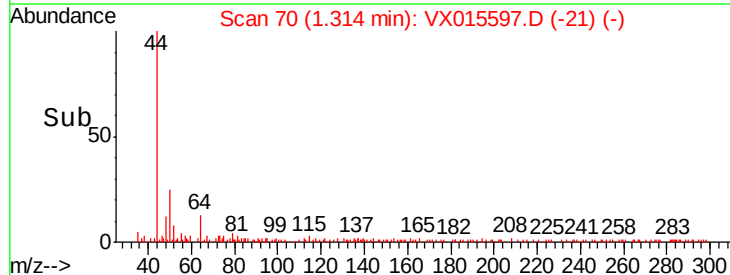
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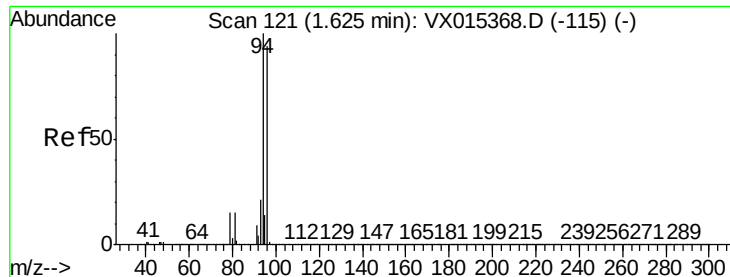
1000

0

1.28 1.30 1.32 1.34

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015597.D

Acq: 09 Apr 2020 15:24

Instrument :

MSVOA_X

ClientSampleId :

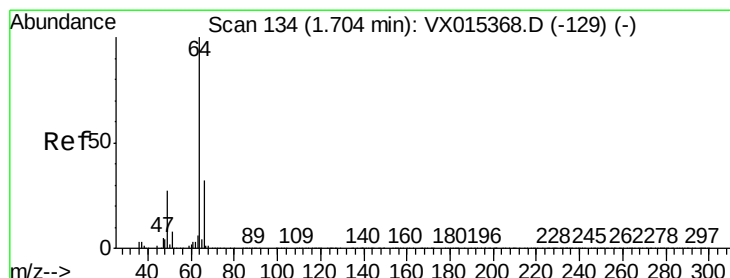
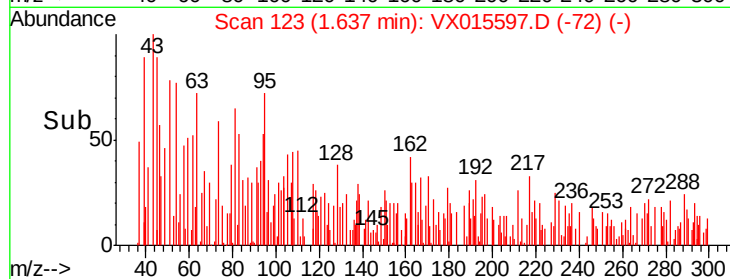
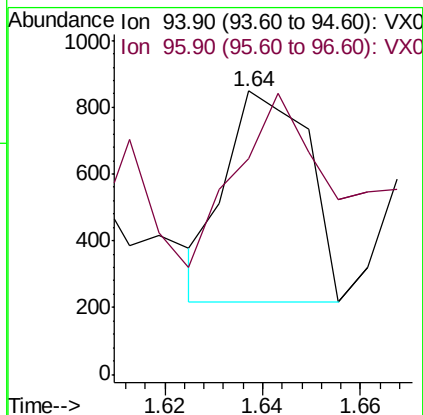
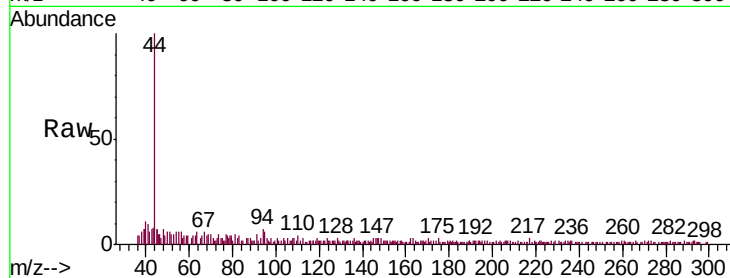
MW-1D

Tgt Ion: 94 Resp: 737

Ion Ratio Lower Upper

94 100

96 51.7 74.8 112.2#



#6

Chloroethane

Concen: 0.455 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX015597.D

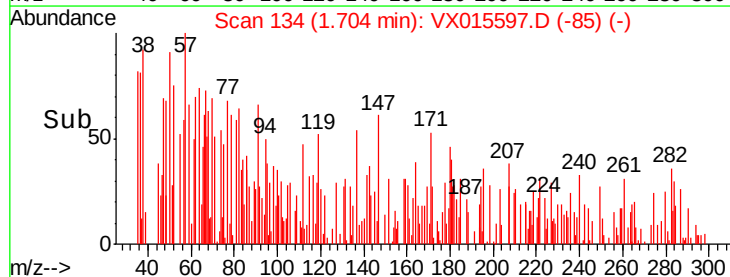
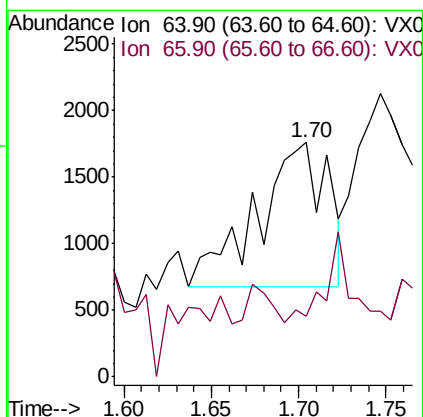
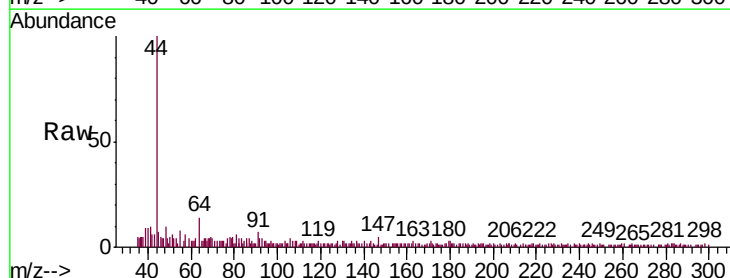
Acq: 09 Apr 2020 15:24

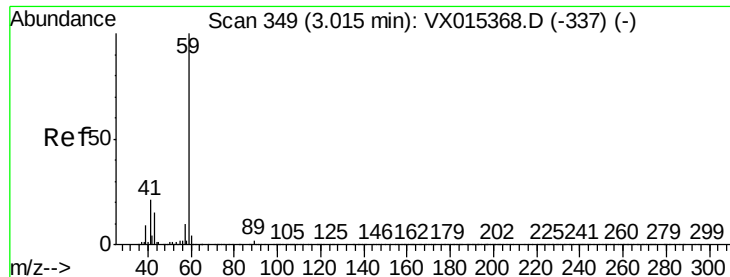
Tgt Ion: 64 Resp: 3015

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

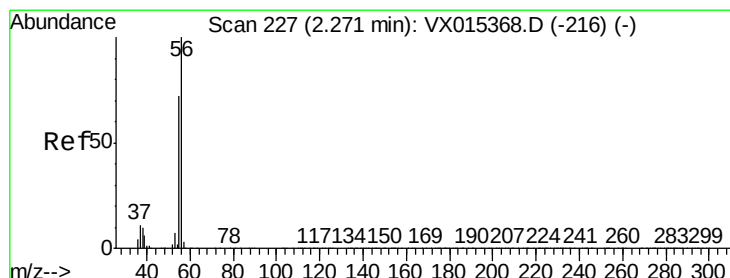
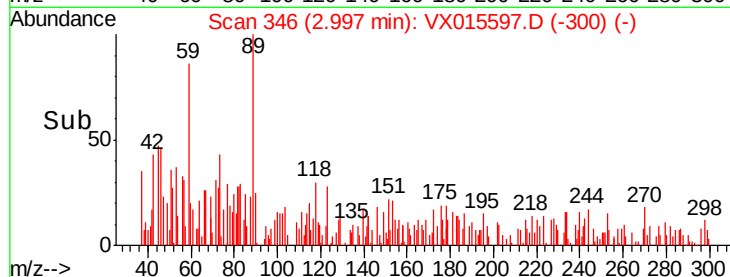
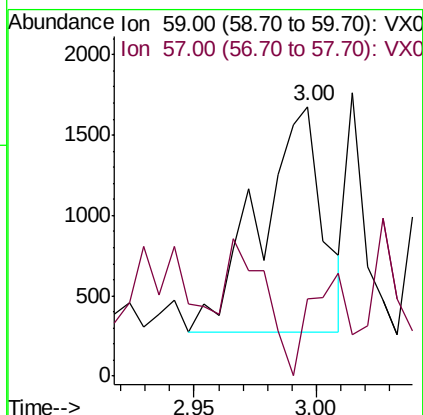
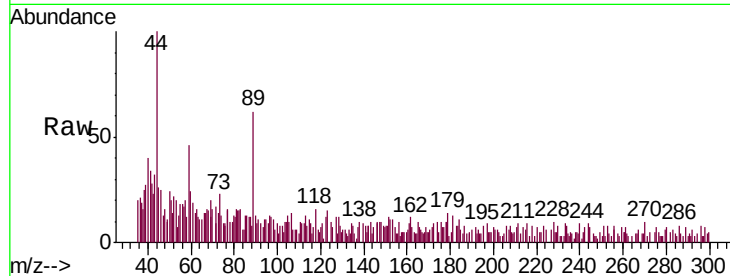




#11
Tert butyl alcohol
Concen: 0.714 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015597.D
Acq: 09 Apr 2020 15:24

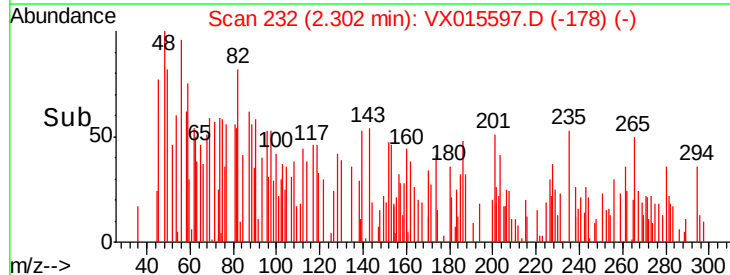
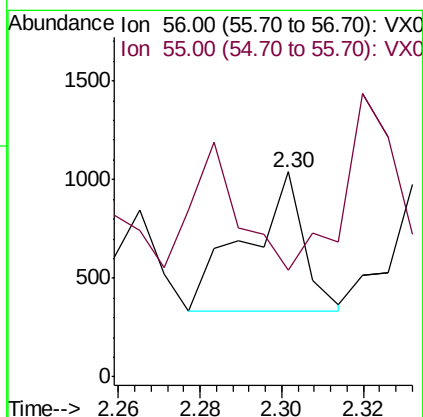
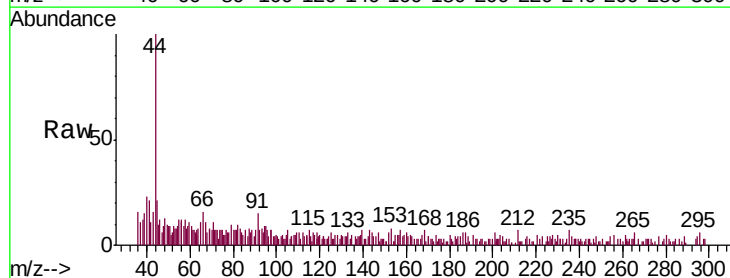
Instrument :
MSVOA_X
ClientSampleId :
MW-1D

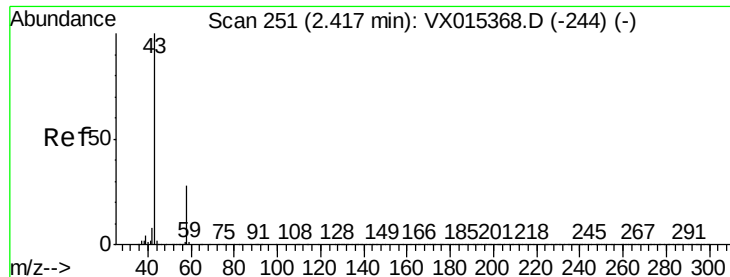
Tgt Ion: 59 Resp: 2502
Ion Ratio Lower Upper
59 100
57 27.3 8.1 12.1#



#13
Acrolein
Concen: 0.346 ug/l
RT: 2.30 min Scan# 232
Delta R.T. 0.03 min
Lab File: VX015597.D
Acq: 09 Apr 2020 15:24

Tgt Ion: 56 Resp: 690
Ion Ratio Lower Upper
56 100
55 72.2 57.0 85.4





#16

Acetone

Concen: 3.051 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015597.D

Acq: 09 Apr 2020 15:24

Instrument :

MSVOA_X

ClientSampled :

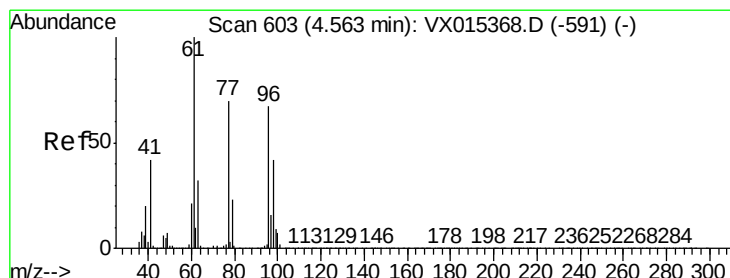
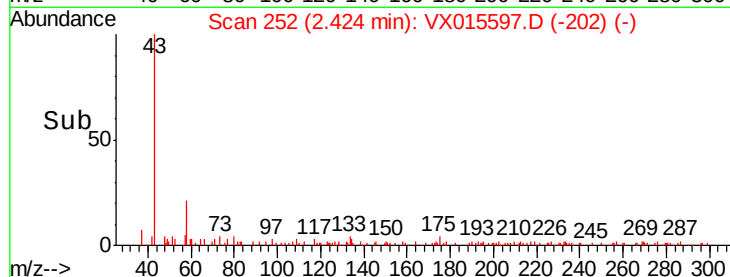
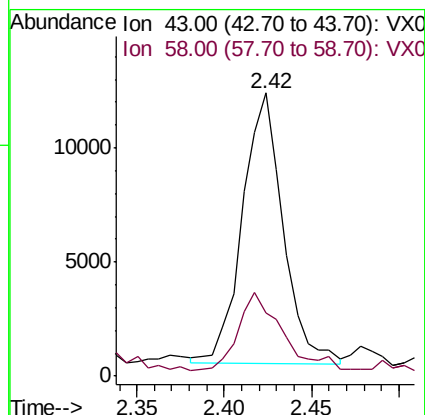
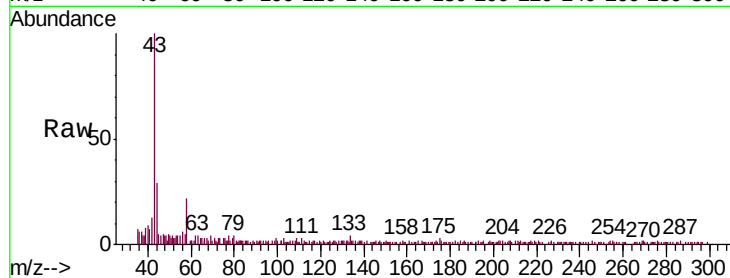
MW-1D

Tgt Ion: 43 Resp: 19179

Ion Ratio Lower Upper

43 100

58 21.6 22.1 33.1#



#27

cis-1,2-Dichloroethene

Concen: 0.463 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX015597.D

Acq: 09 Apr 2020 15:24

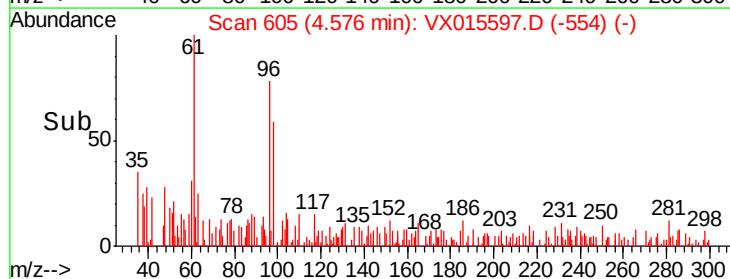
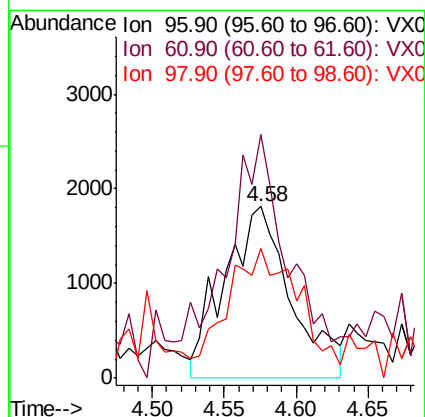
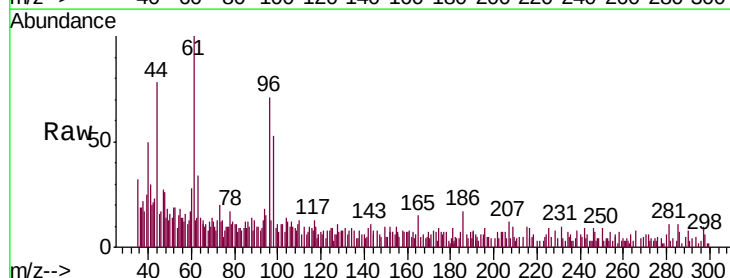
Tgt Ion: 96 Resp: 5817

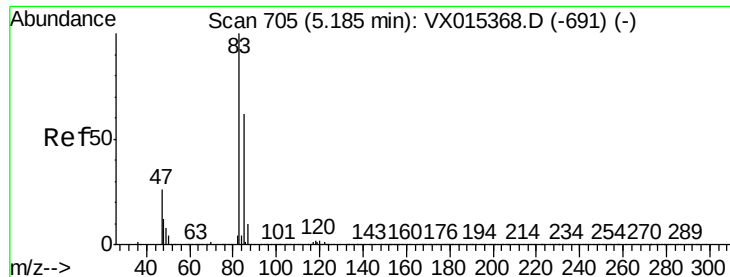
Ion Ratio Lower Upper

96 100

61 101.3 0.0 308.4

98 75.2 0.0 129.2

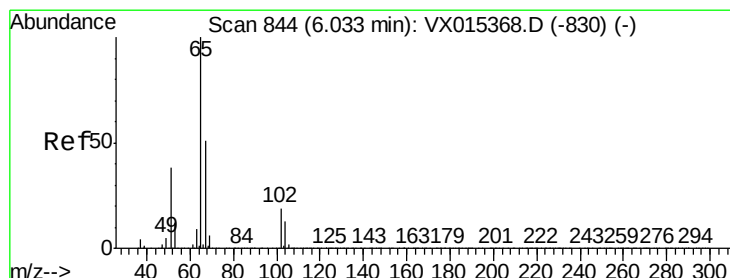
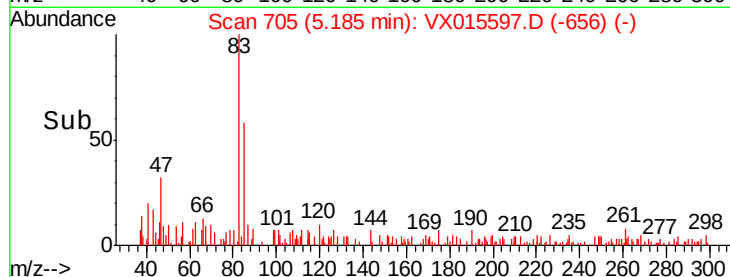
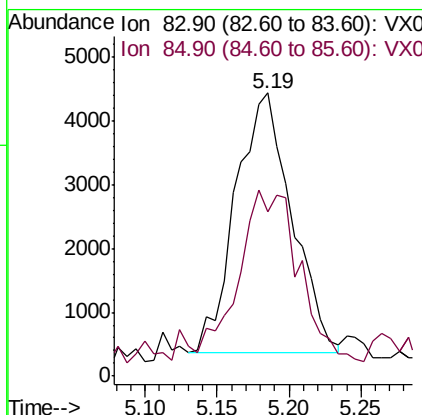
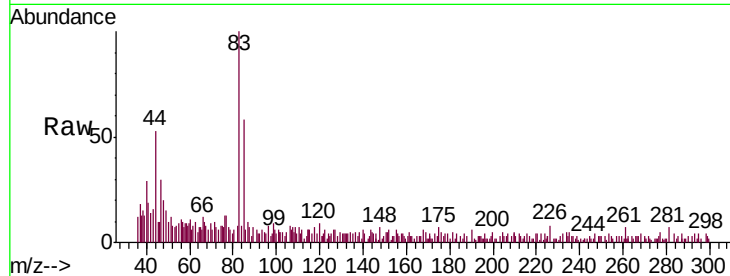




#30
Chloroform
Concen: 0.538 ug/l
RT: 5.19 min Scan# 705
Delta R.T. 0.00 min
Lab File: VX015597.D
Acq: 09 Apr 2020 15:24

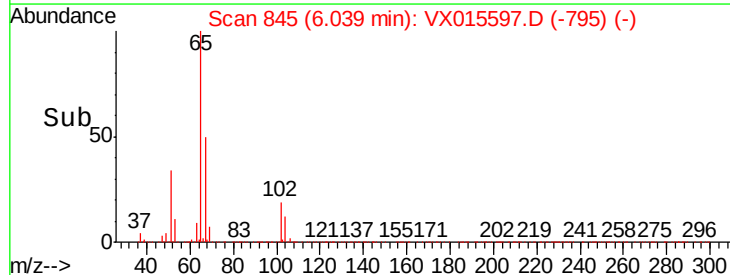
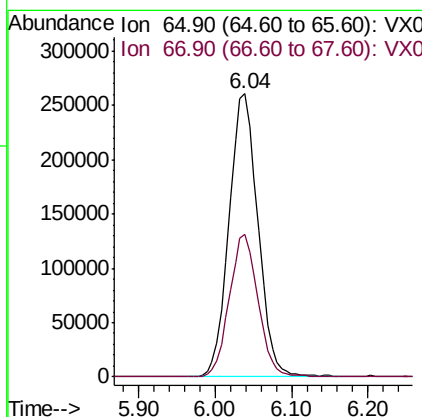
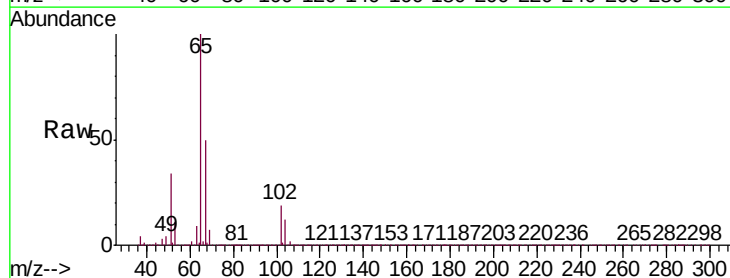
Instrument :
MSVOA_X
ClientSampleId :
MW-1D

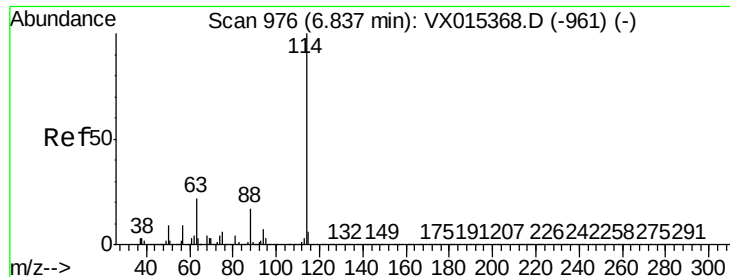
Tgt Ion: 83 Resp: 11052
Ion Ratio Lower Upper
83 100
85 52.1 49.5 74.3



#33
1,2-Dichloroethane-d4
Concen: 46.777 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015597.D
Acq: 09 Apr 2020 15:24

Tgt Ion: 65 Resp: 684483
Ion Ratio Lower Upper
65 100
67 49.5 0.0 102.6

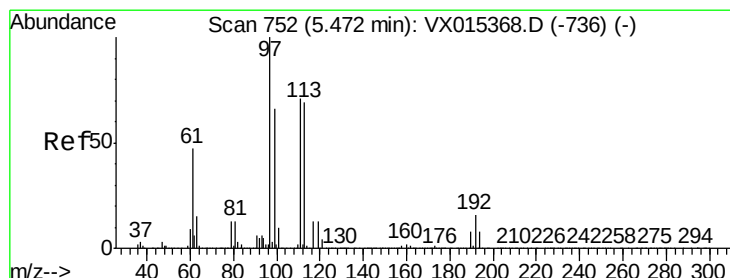
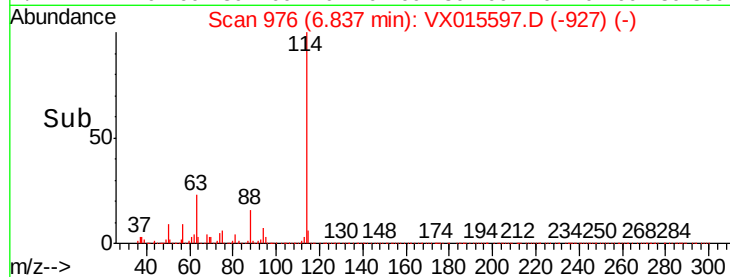
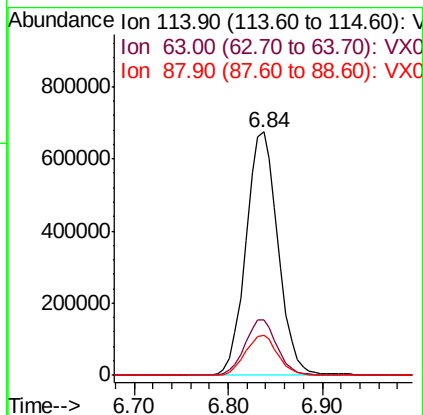
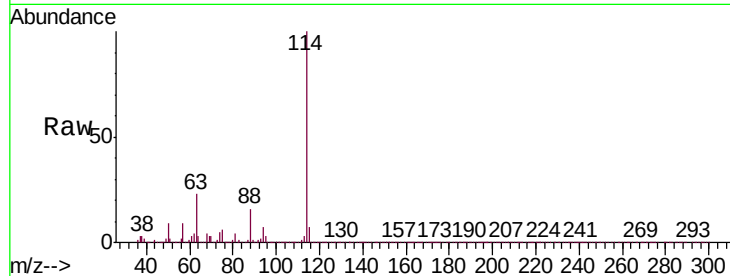




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 976
Delta R.T. 0.00 min
Lab File: VX015597.D
Acq: 09 Apr 2020 15:24

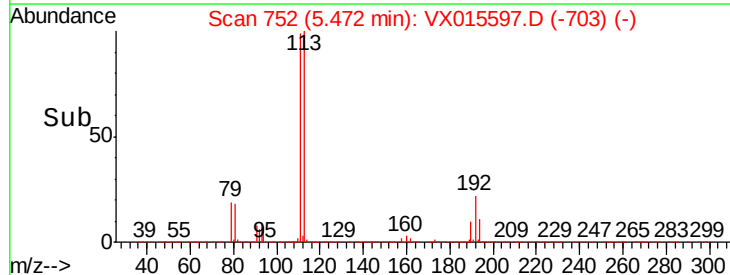
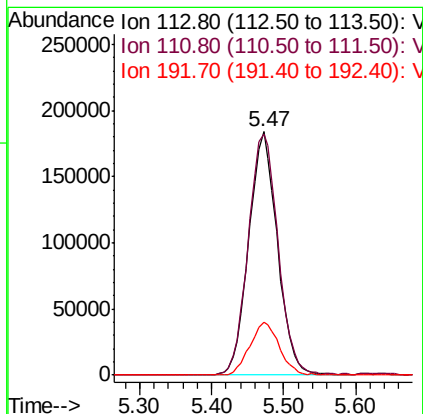
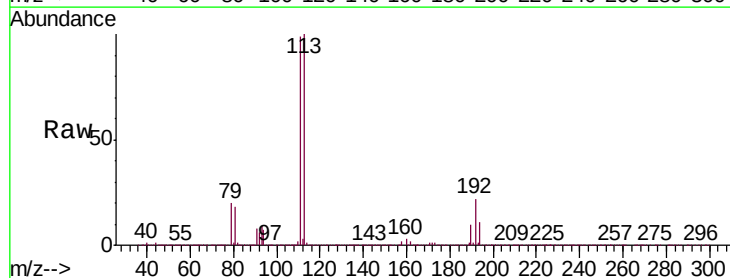
Instrument :
MSVOA_X
ClientSampleId :
MW-1D

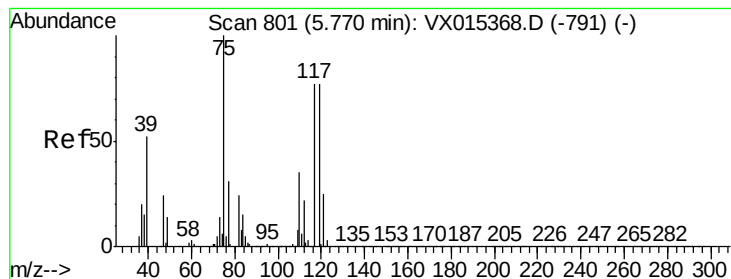
Tgt Ion:114 Resp: 1608418
Ion Ratio Lower Upper
114 100
63 22.5 0.0 44.2
88 16.4 0.0 33.8



#35
Dibromofluoromethane
Concen: 49.507 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015597.D
Acq: 09 Apr 2020 15:24

Tgt Ion:113 Resp: 508999
Ion Ratio Lower Upper
113 100
111 103.0 81.5 122.3
192 22.1 17.8 26.6





#36

1,1-Dichloropropene

Concen: 5.143 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015597.D

Acq: 09 Apr 2020 15:24

Instrument :

MSVOA_X

ClientSampleId :

MW-1D

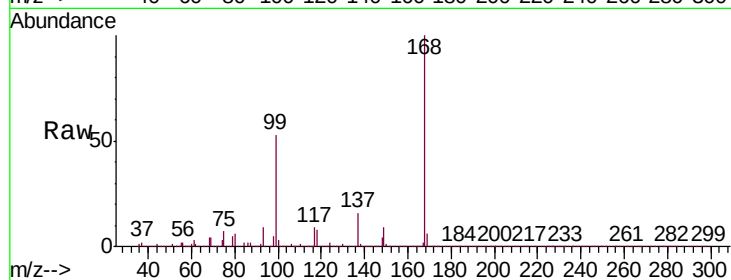
Tgt Ion: 75 Resp: 76215

Ion Ratio Lower Upper

75 100

110 11.2 17.1 51.3#

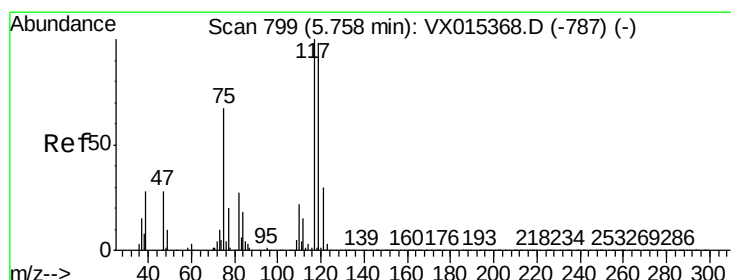
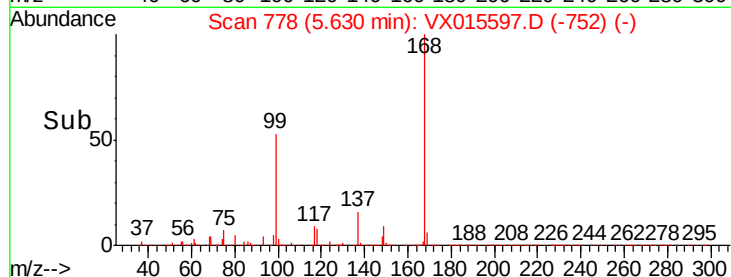
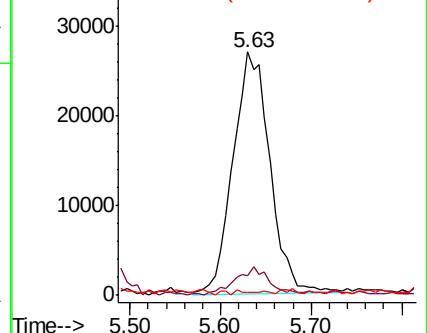
77 0.8 24.6 36.8#



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: 6.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015597.D

Acq: 09 Apr 2020 15:24

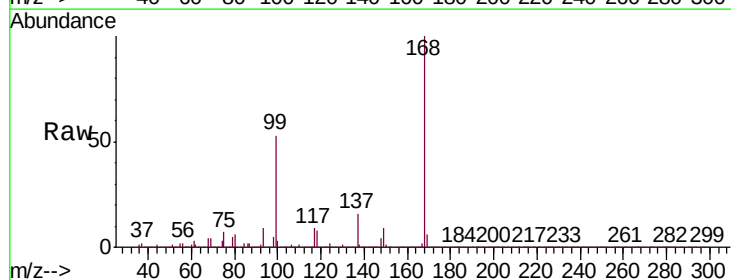
Tgt Ion: 117 Resp: 96304

Ion Ratio Lower Upper

117 100

119 4.2 78.0 117.0#

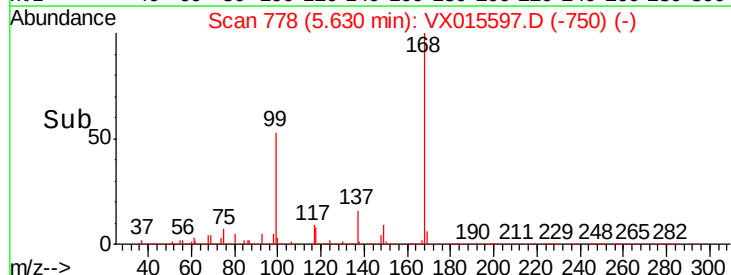
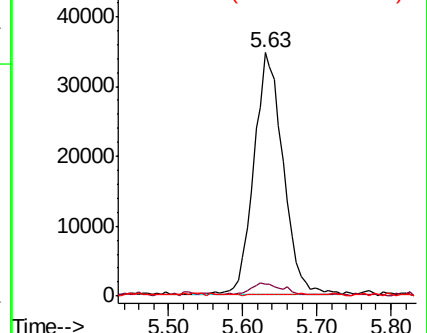
121 0.0 23.8 35.8#

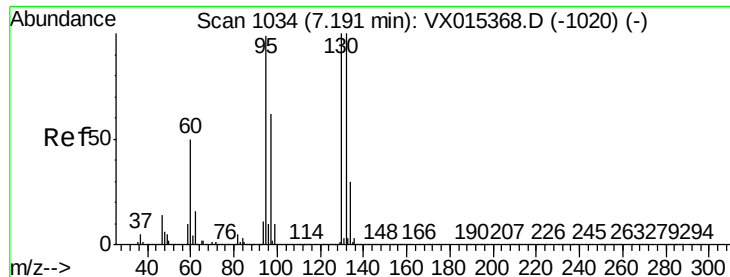


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.282 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015597.D

Acq: 09 Apr 2020 15:24

Instrument :

MSVOA_X

ClientSampled :

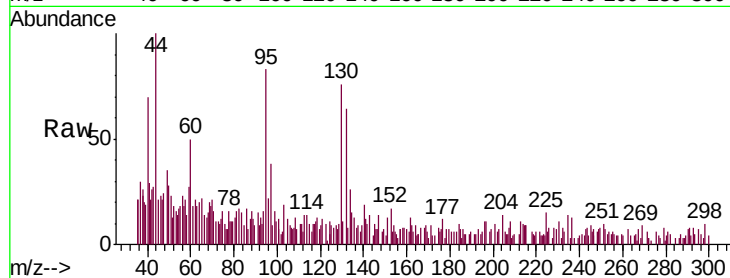
MW-1D

Tgt Ion: 130 Resp: 3334

Ion Ratio Lower Upper

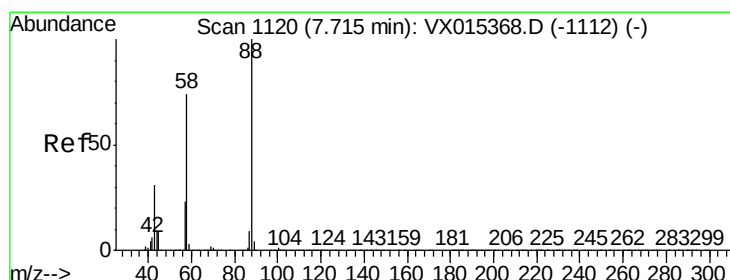
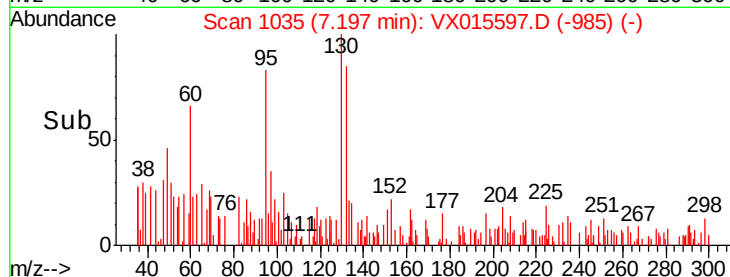
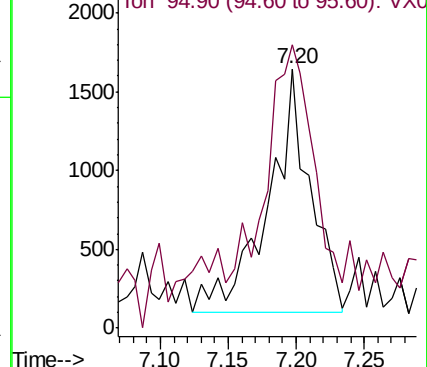
130 100

95 97.6 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.329 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015597.D

Acq: 09 Apr 2020 15:24

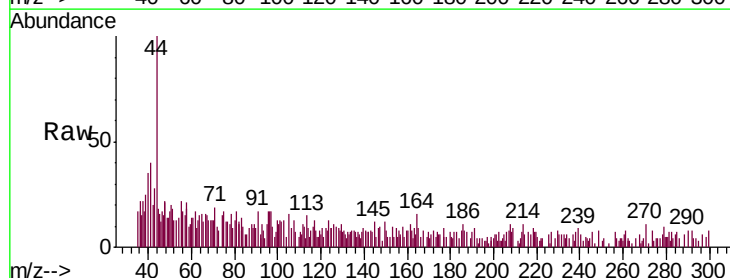
Tgt Ion: 88 Resp: 100

Ion Ratio Lower Upper

88 100

43 756.0 30.1 45.1#

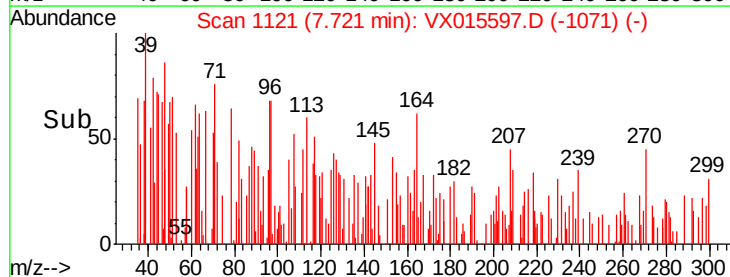
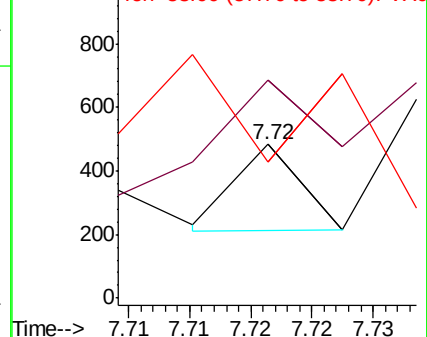
58 0.0 60.6 90.8#

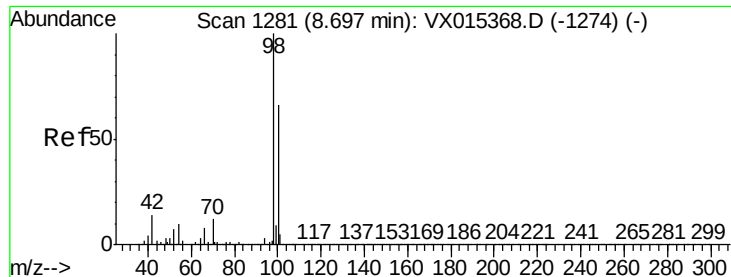


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

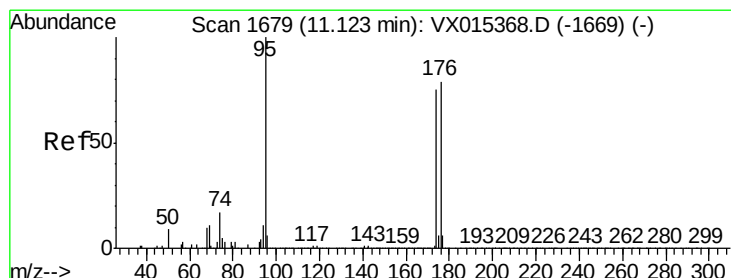
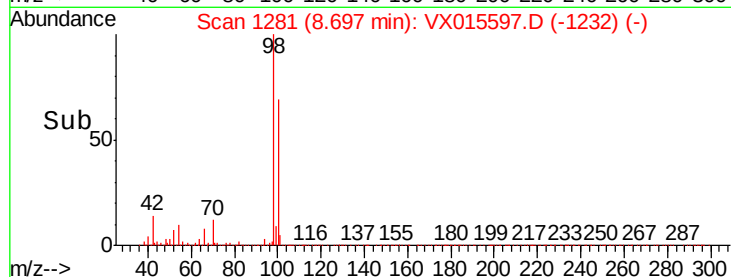
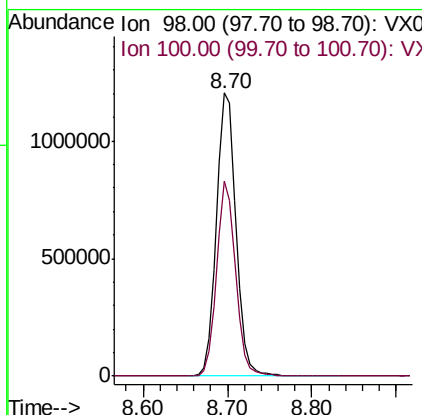
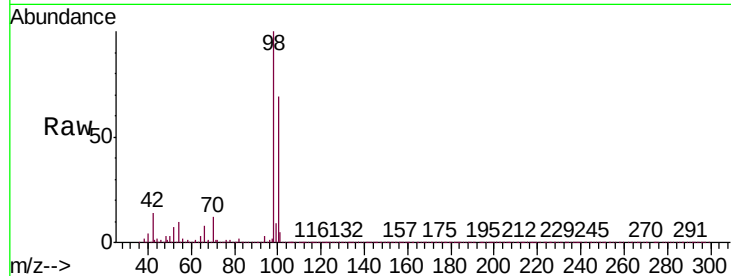




#50
Toluene-d8
Concen: 51.556 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015597.D
Acq: 09 Apr 2020 15:24

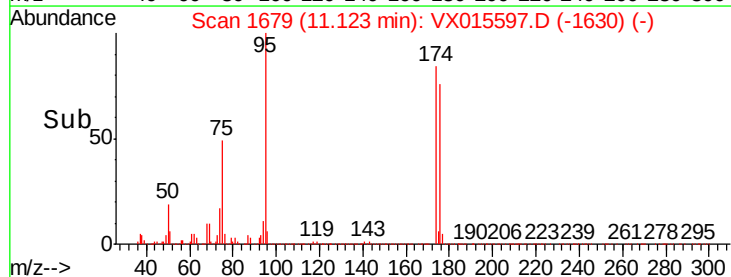
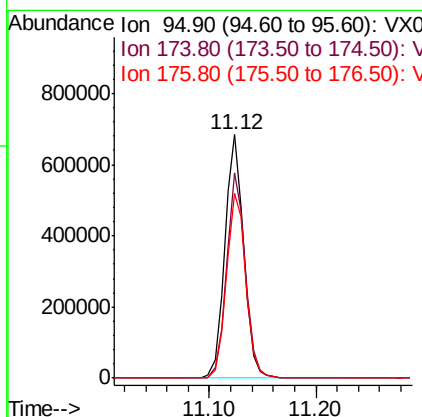
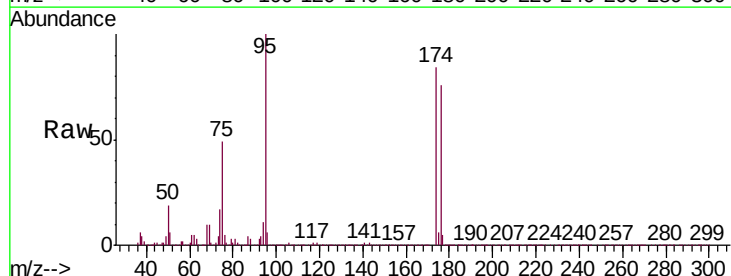
Instrument :
MSVOA_X
ClientSampleId :
MW-1D

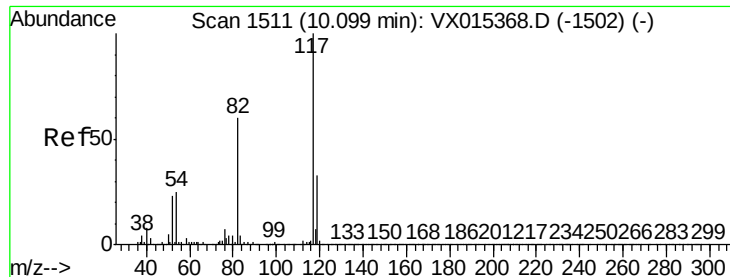
Tgt Ion: 98 Resp: 1951572
Ion Ratio Lower Upper
98 100
100 66.4 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 54.889 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015597.D
Acq: 09 Apr 2020 15:24

Tgt Ion: 95 Resp: 844404
Ion Ratio Lower Upper
95 100
174 84.2 0.0 158.6
176 78.4 0.0 159.0

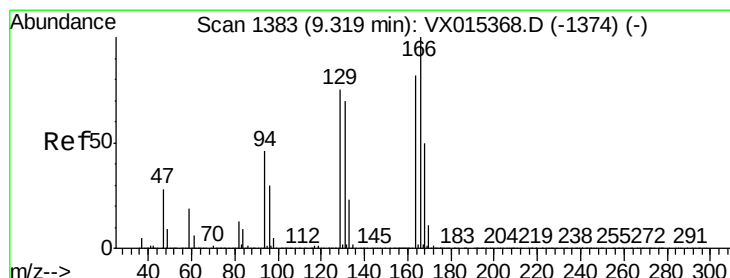
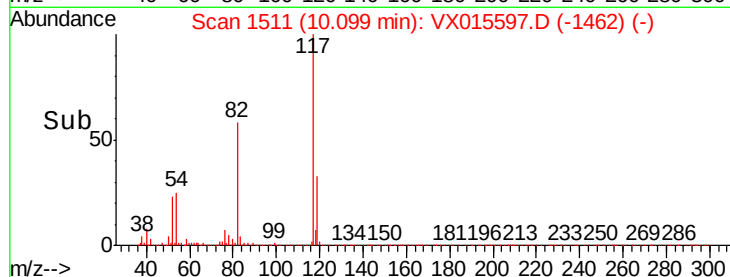
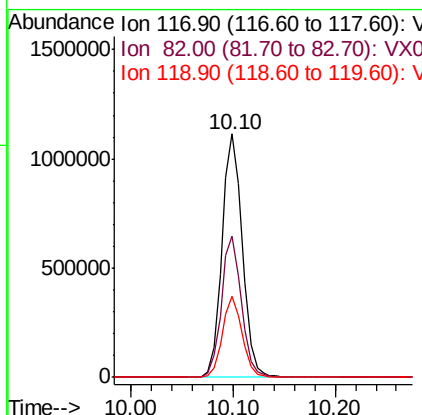
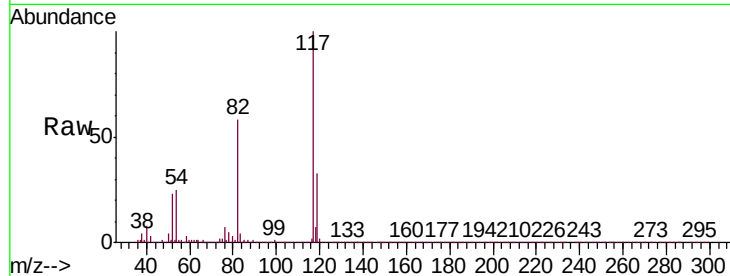




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015597.D
Acq: 09 Apr 2020 15:24

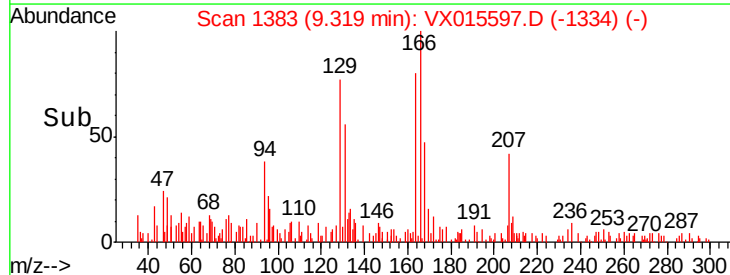
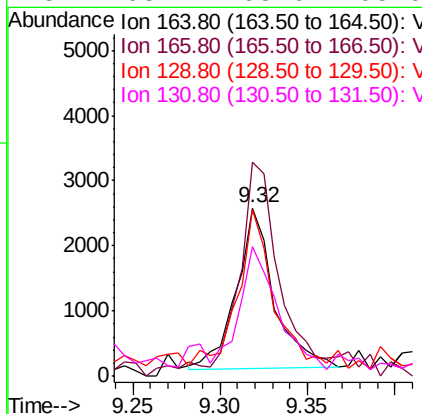
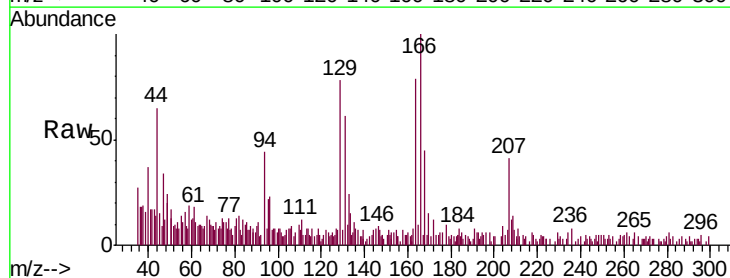
Instrument :
MSVOA_X
ClientSampled :
MW-1D

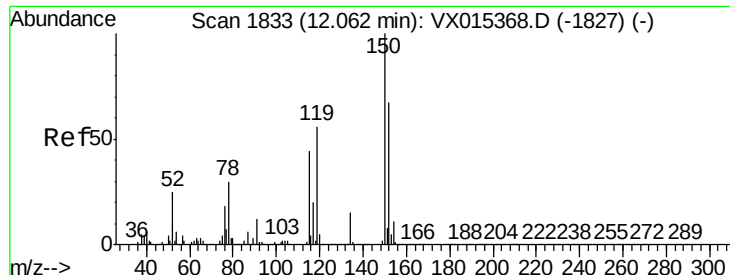
Tgt Ion:117 Resp: 1549488
Ion Ratio Lower Upper
117 100
82 58.2 47.8 71.8
119 33.4 26.8 40.2



#64
Tetrachloroethene
Concen: 0.320 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015597.D
Acq: 09 Apr 2020 15:24

Tgt Ion:164 Resp: 3739
Ion Ratio Lower Upper
164 100
166 125.8 97.8 146.6
129 92.5 73.0 109.4
131 68.1 68.6 103.0#

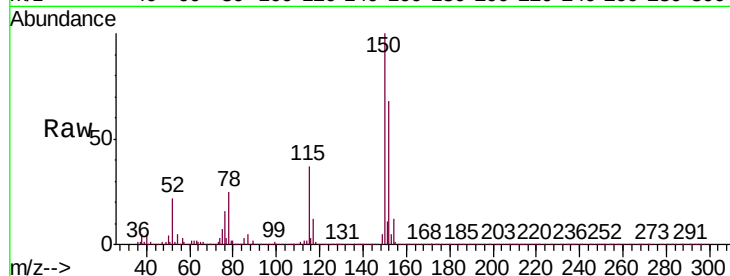




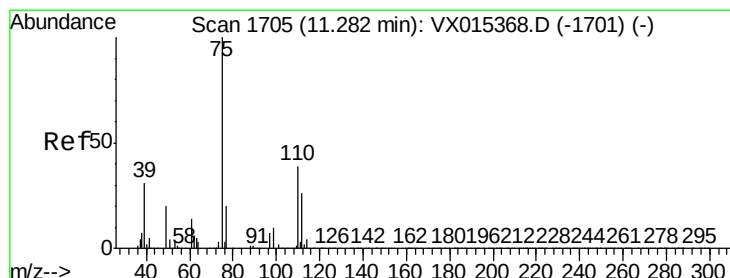
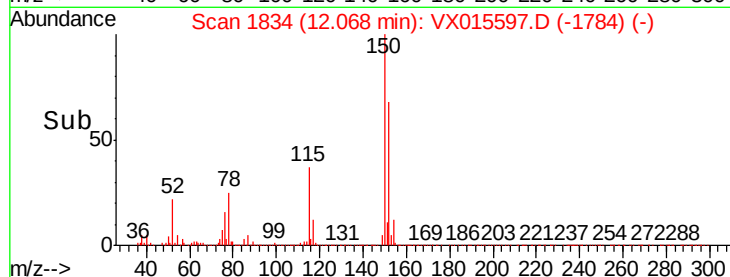
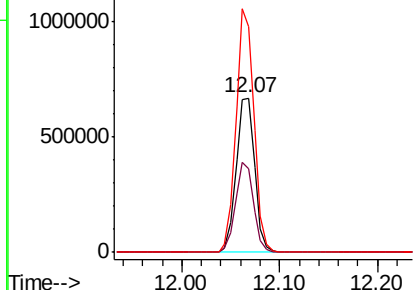
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1834
 Delta R.T. 0.01 min
 Lab File: VX015597.D
 Acq: 09 Apr 2020 15:24

Instrument :
 MSVOA_X
 ClientSampled :
 MW-1D

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	39.0	116.9
150	152.7	0.0	340.8

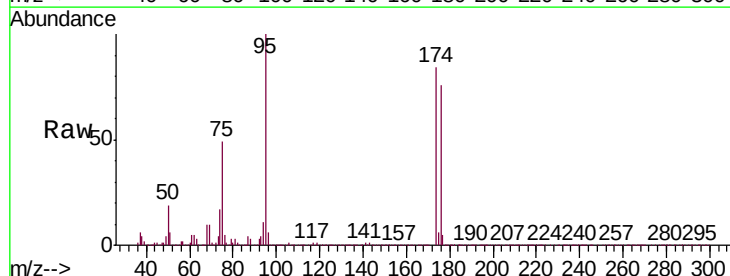


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

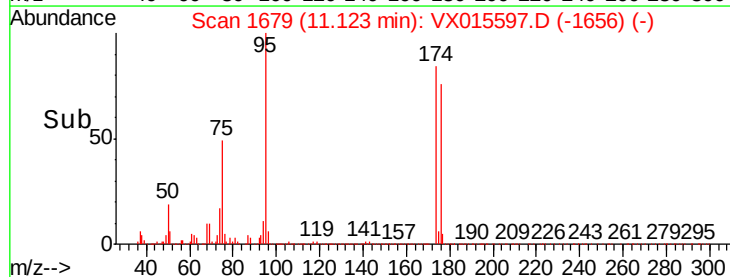
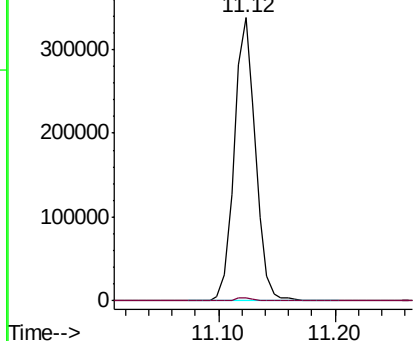


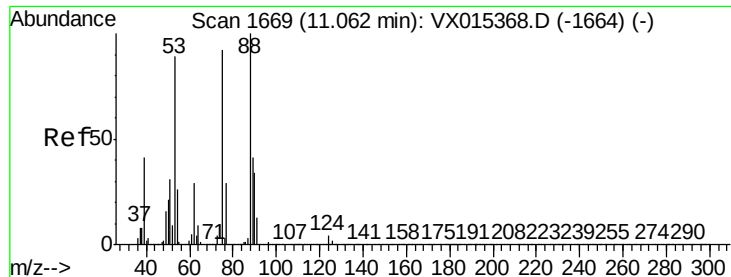
#76
 1,2,3-Trichloropropane
 Concen: 23.838 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015597.D
 Acq: 09 Apr 2020 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	21.2	63.6#



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: 57.156 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015597.D

Acq: 09 Apr 2020 15:24

Instrument :

MSVOA_X

ClientSampleId :

MW-1D

Tgt Ion: 75 Resp: 427445

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 36.1 54.1#

