

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031219\
 Data File : VX008025.D
 Acq On : 12 Mar 2019 19:14
 Operator : JC/SP
 Sample : K1793-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20190306

Quant Time: Mar 13 06:36:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	391264	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	372795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183111	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	138584	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
35) Dibromofluoromethane	5.50	113	127240	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
50) Toluene-d8	8.71	98	473158	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.13	95	175412	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	

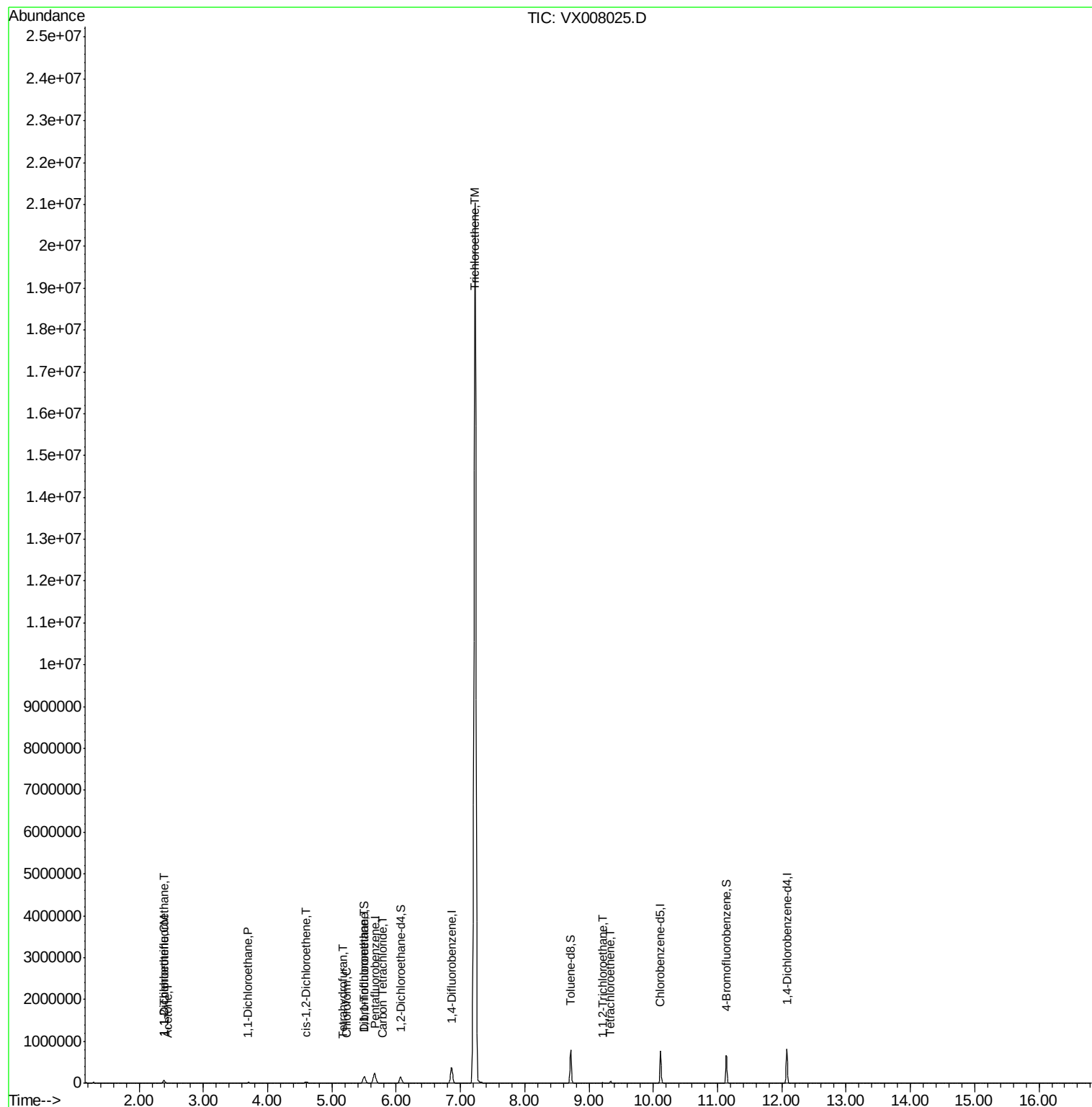
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	13263	6.017	ug/l	98
12) 1,1-Dichloroethene	2.38	96	13527	6.366	ug/l	91
16) Acetone	2.45	43	2683	1.759	ug/l	99
24) 1,1-Dichloroethane	3.70	63	15436	3.505	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	20174	7.541	ug/l	90
29) Tetrahydrofuran	5.16	42	2005	1.489	ug/l	97
30) Chloroform	5.22	83	10982	2.636	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	2115	0.612	ug/l #	49
38) Carbon Tetrachloride	5.78	117	4576	1.361	ug/l	97
44) Trichloroethene	7.23	130	8953308	3080.338	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	3712	1.424	ug/l	100
64) Tetrachloroethene	9.34	164	9933	3.215	ug/l	94

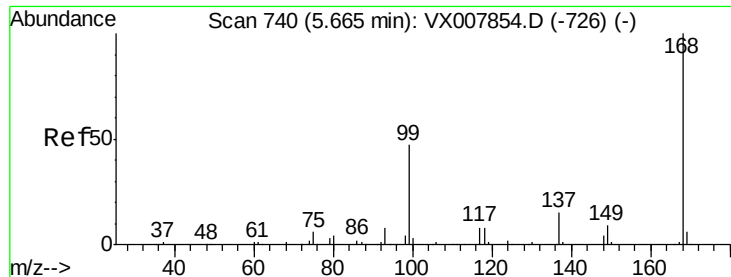
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

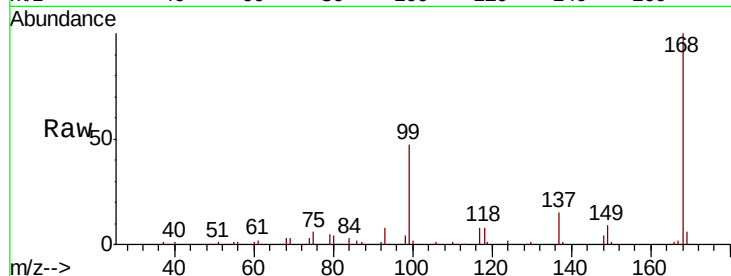
RE108D2-20190306

Tgt Ion:168 Resp: 249739

Ion Ratio Lower Upper

168 100

99 46.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

40000

20000

0

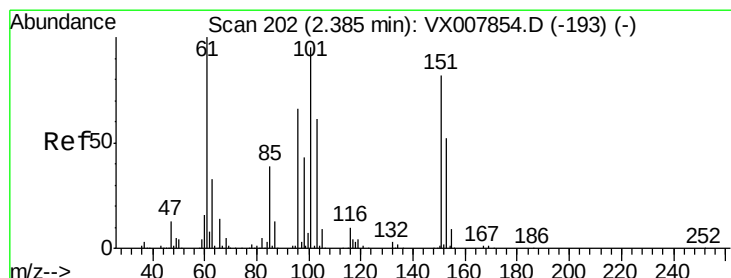
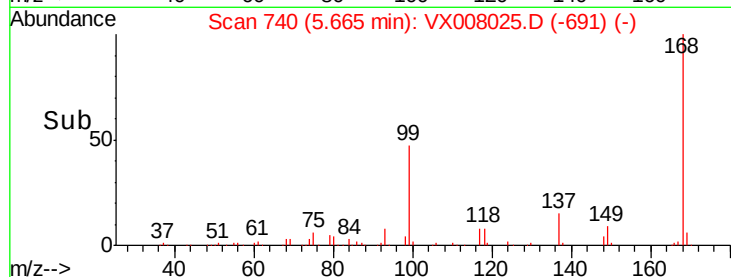
Time-->

5.50

5.60

5.70

5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.017 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

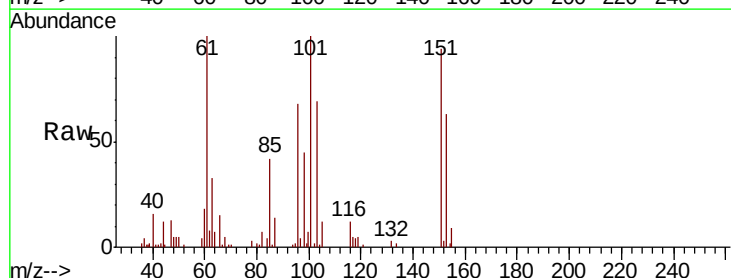
Tgt Ion:101 Resp: 13263

Ion Ratio Lower Upper

101 100

85 41.6 33.8 50.6

151 88.9 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

8000

6000

4000

2000

0

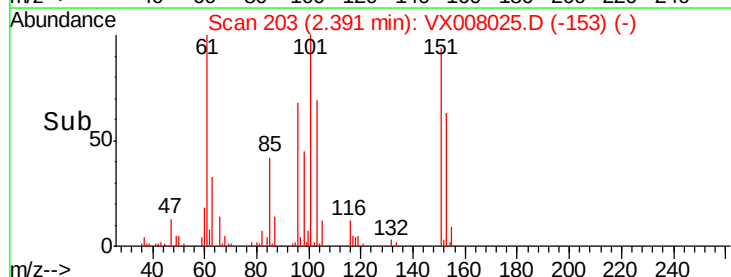
Time-->

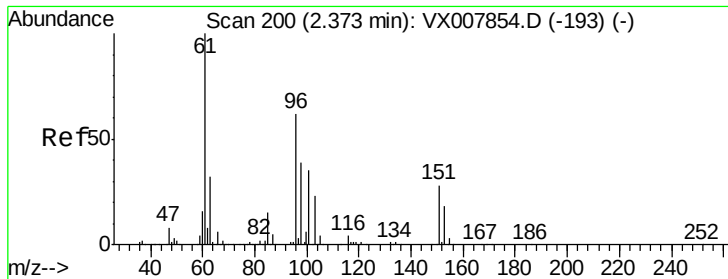
2.30

2.35

2.40

2.45





#12

1,1-Dichloroethene

Concen: 6.366 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20190306

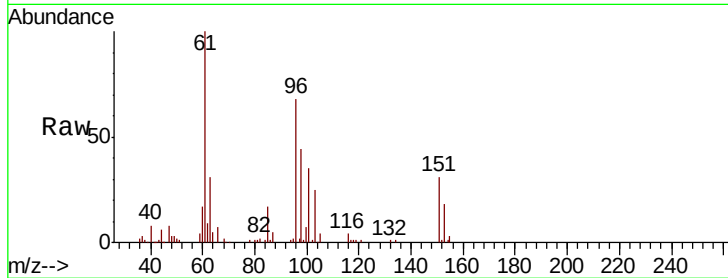
Tgt Ion: 96 Resp: 13527

Ion Ratio Lower Upper

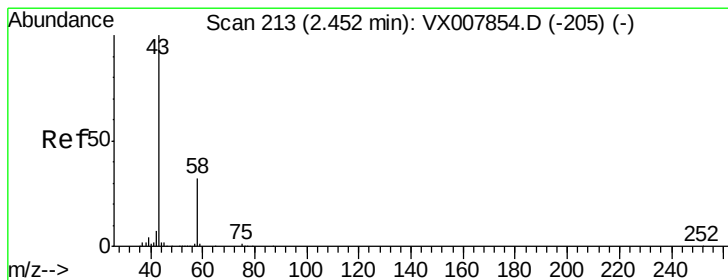
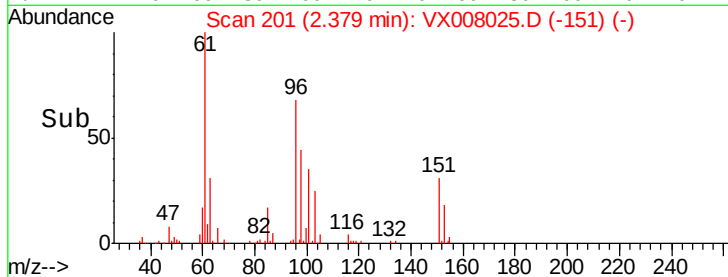
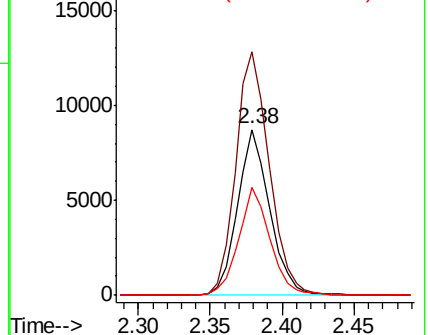
96 100

61 146.8 129.8 194.6

98 65.0 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#16

Acetone

Concen: 1.759 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008025.D

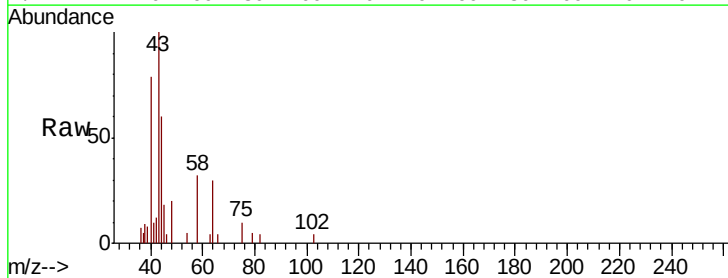
Acq: 12 Mar 2019 19:14

Tgt Ion: 43 Resp: 2683

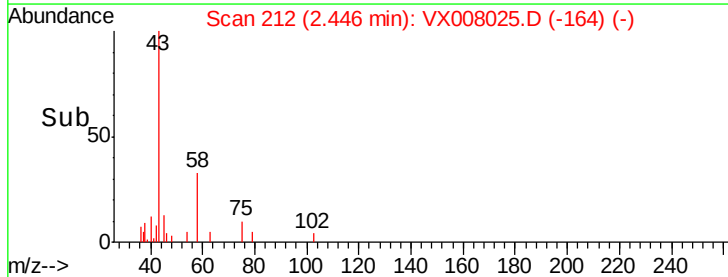
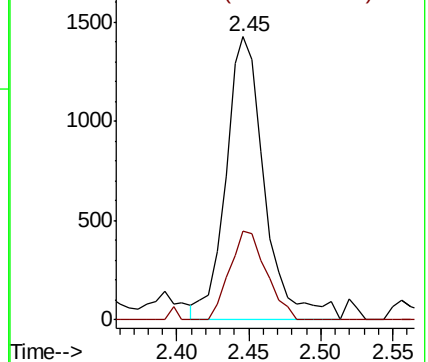
Ion Ratio Lower Upper

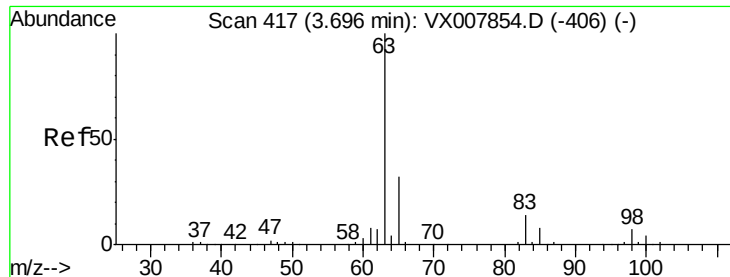
43 100

58 31.5 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#24

1,1-Dichloroethane

Concen: 3.505 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20190306

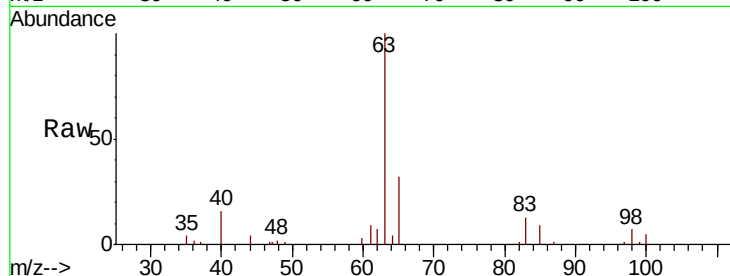
Tgt Ion: 63 Resp: 15436

Ion Ratio Lower Upper

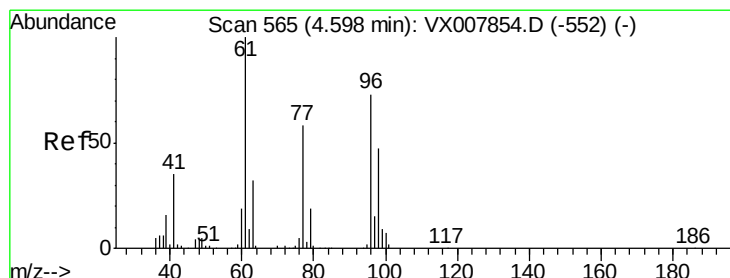
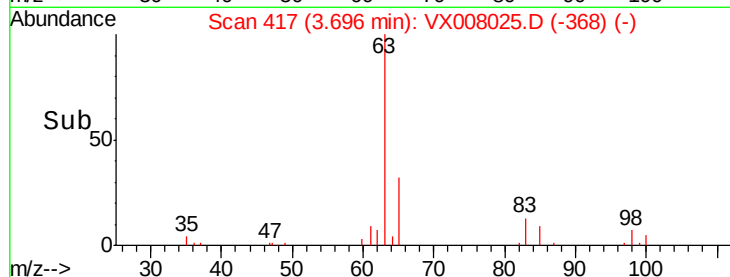
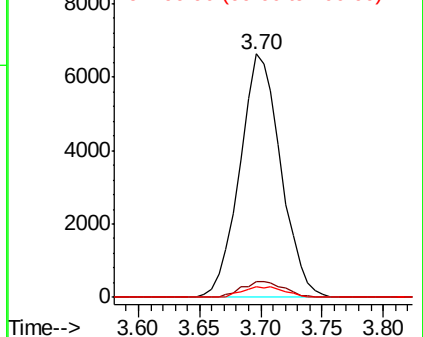
63 100

98 6.6 3.3 9.8

100 4.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 7.541 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

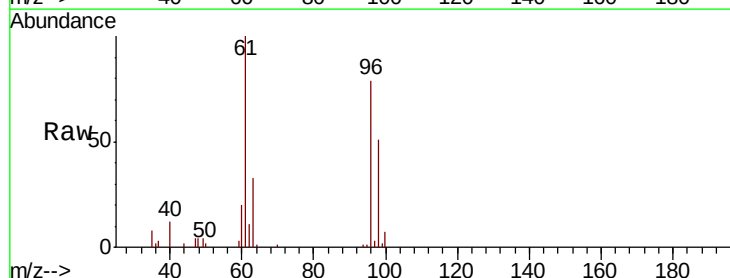
Tgt Ion: 96 Resp: 20174

Ion Ratio Lower Upper

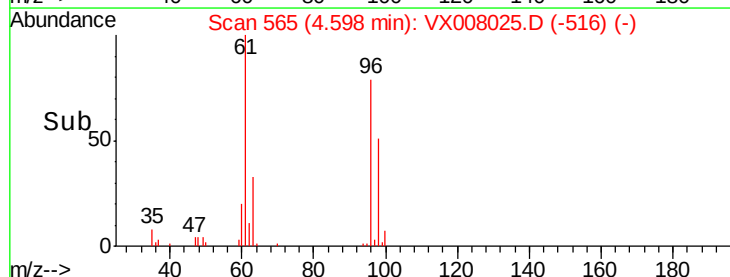
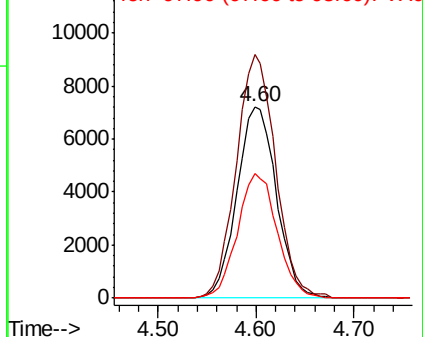
96 100

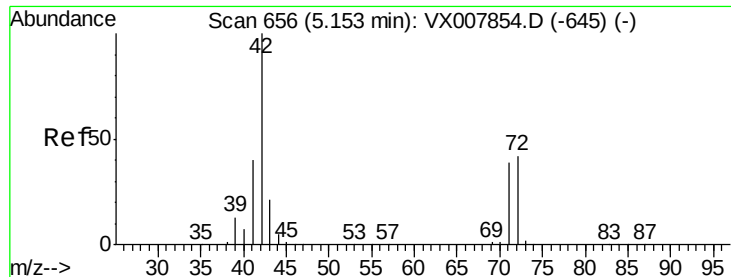
61 127.0 0.0 288.0

98 65.4 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 1.489 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20190306

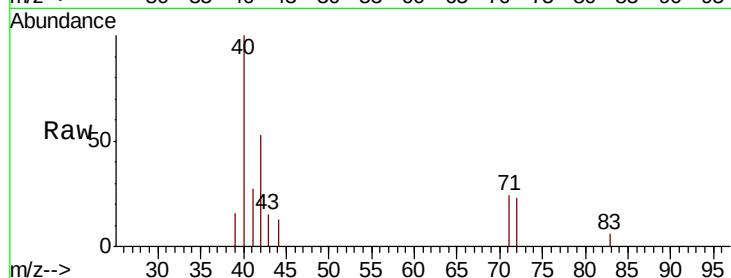
Tgt Ion: 42 Resp: 2005

Ion Ratio Lower Upper

42 100

72 40.5 33.8 50.6

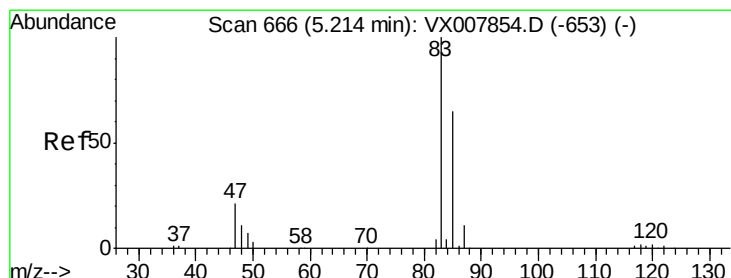
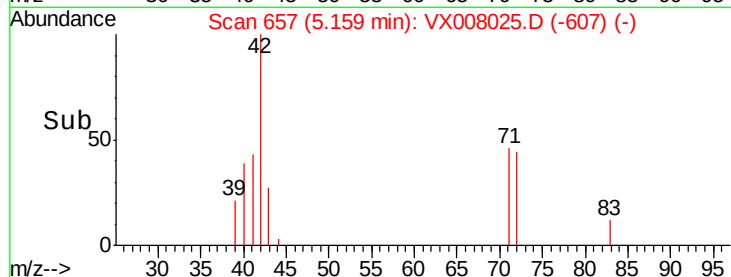
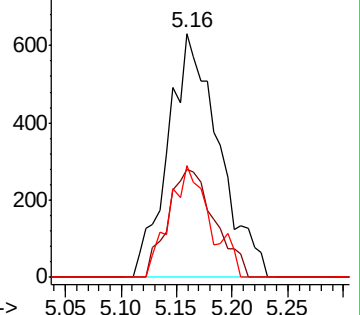
71 36.8 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 2.636 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX008025.D

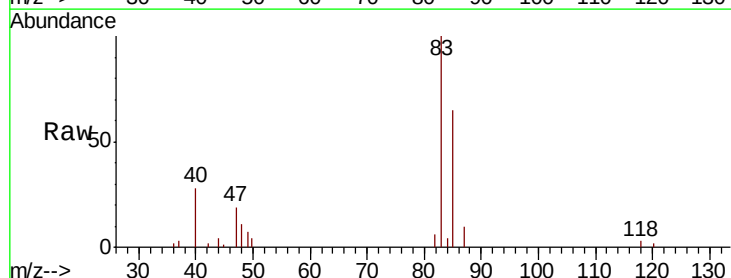
Acq: 12 Mar 2019 19:14

Tgt Ion: 83 Resp: 10982

Ion Ratio Lower Upper

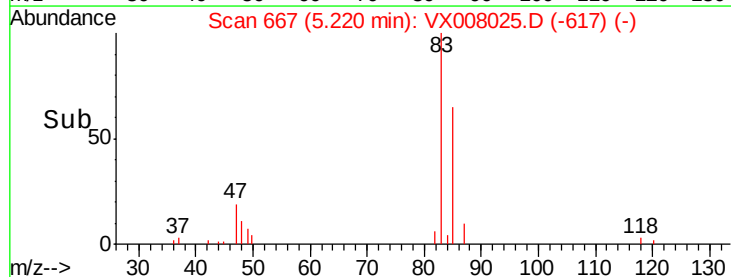
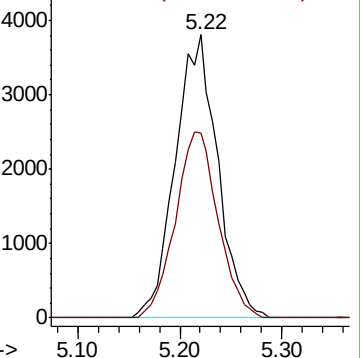
83 100

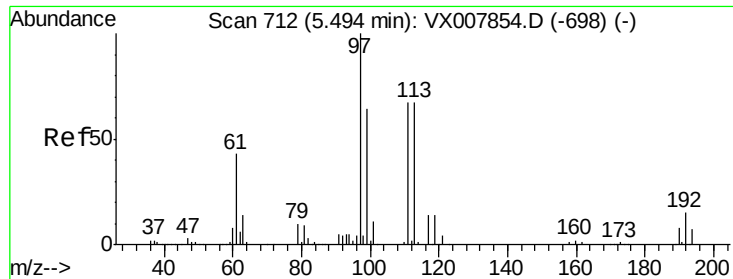
85 65.1 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#32

1,1,1-Trichloroethane

Concen: 0.612 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

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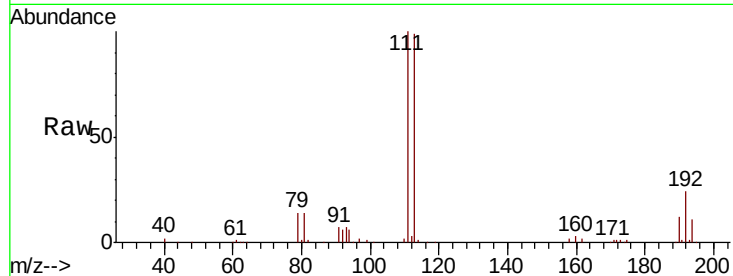
Tgt Ion: 97 Resp: 2115

Ion Ratio Lower Upper

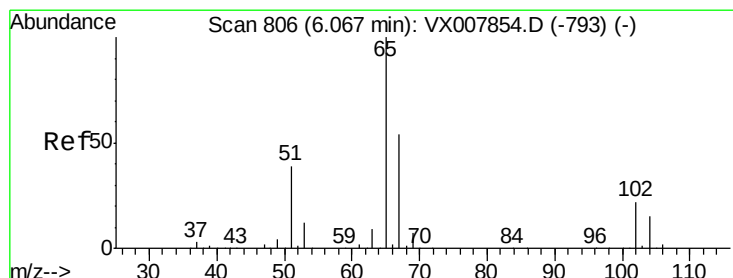
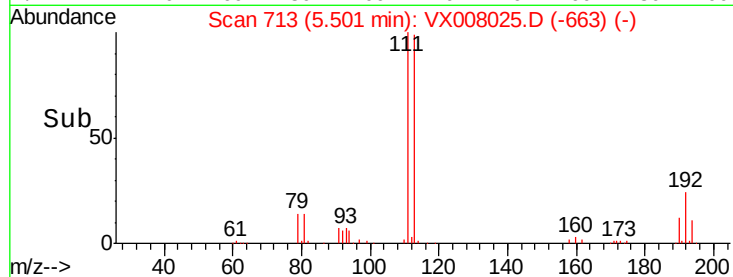
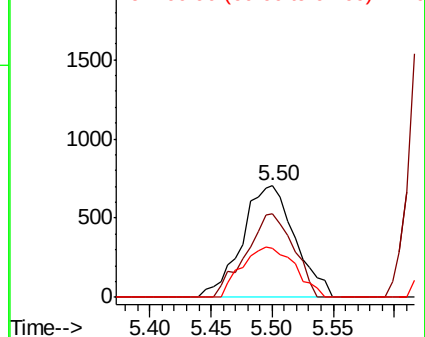
97 100

99 0.0 52.2 78.2#

61 45.3 34.9 52.3



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: 52.603 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008025.D

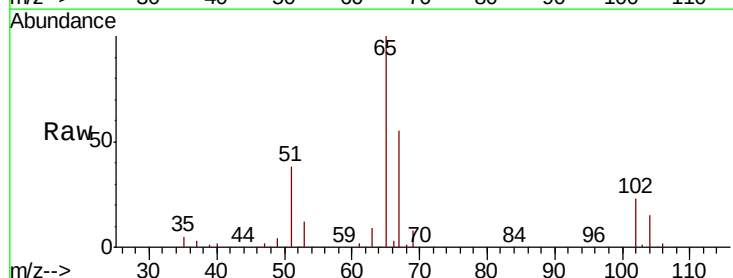
Acq: 12 Mar 2019 19:14

Tgt Ion: 65 Resp: 138584

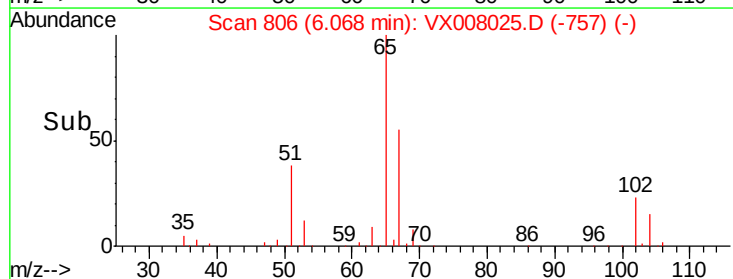
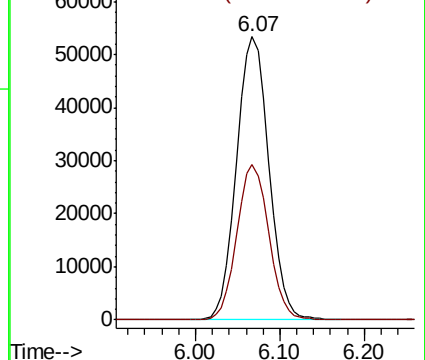
Ion Ratio Lower Upper

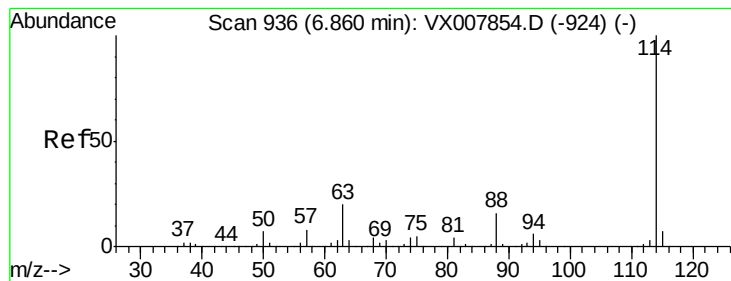
65 100

67 54.1 0.0 110.0



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

Instrument :

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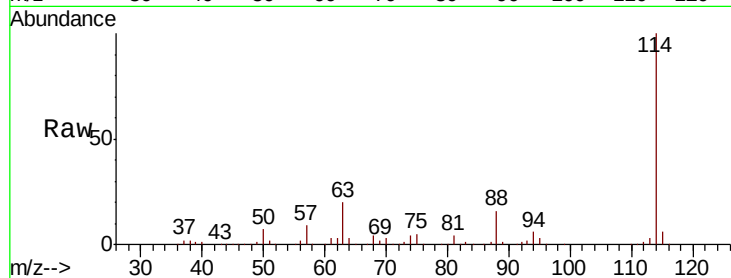
Tgt Ion:114 Resp: 391264

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.8

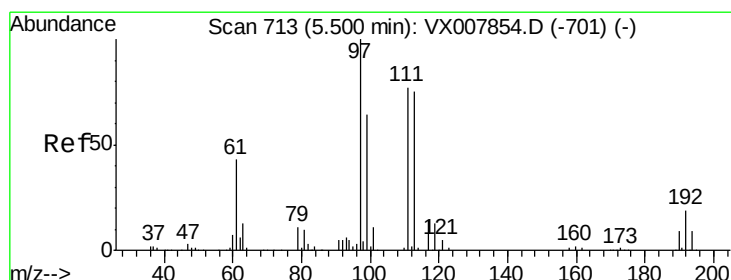
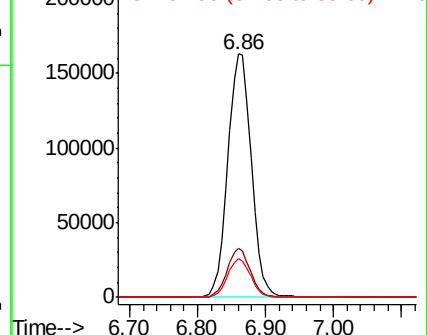
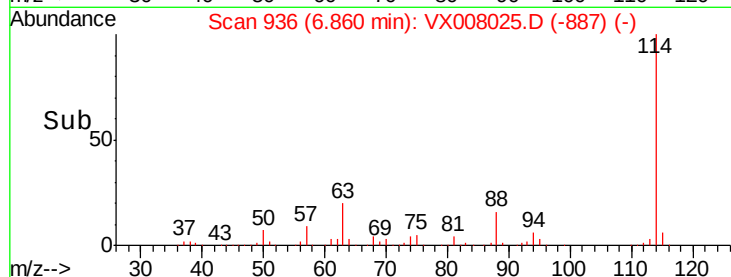
88 15.9 0.0 31.4



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: 50.839 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

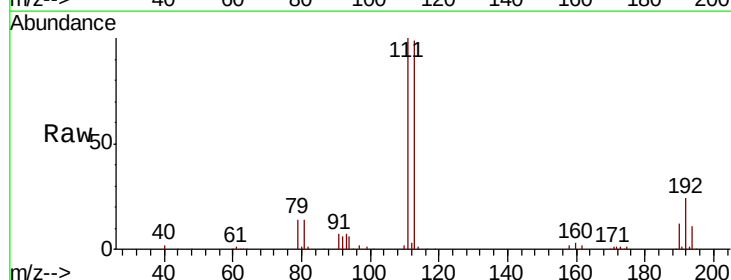
Tgt Ion:113 Resp: 127240

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

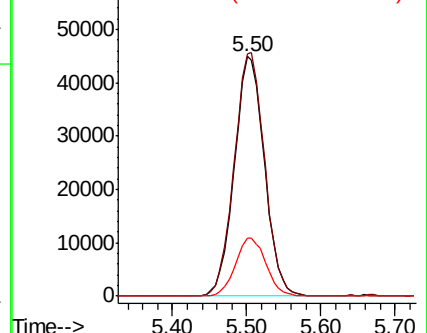
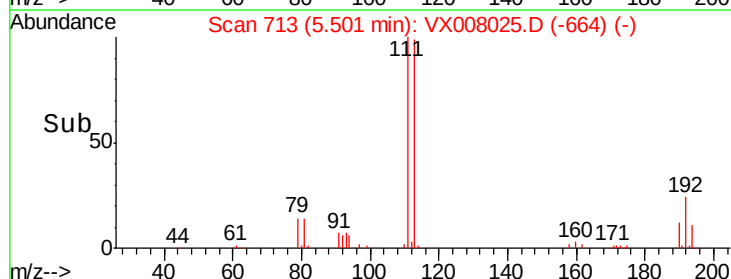
192 24.5 19.4 29.0

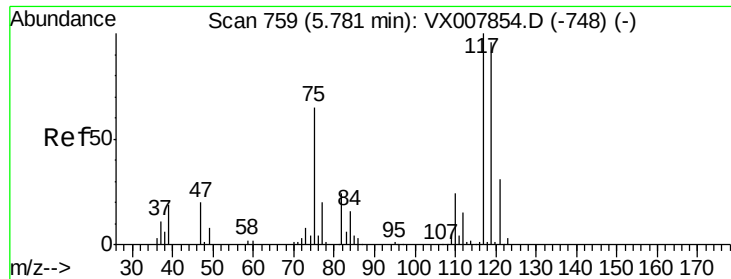


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

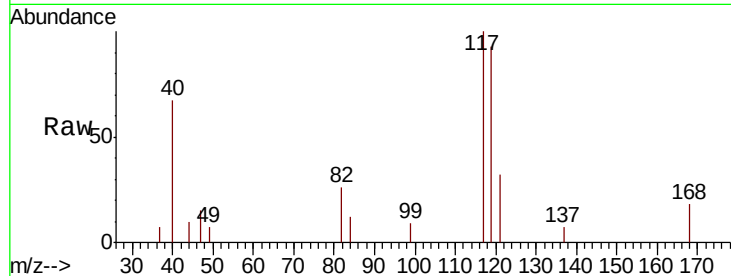




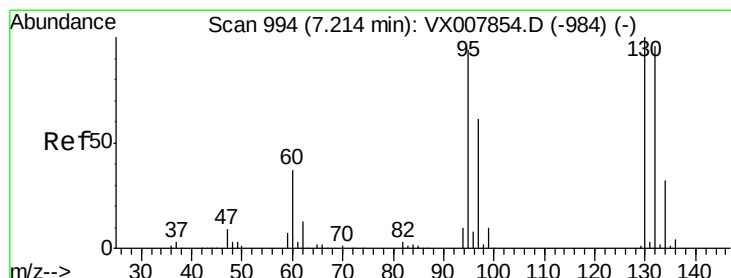
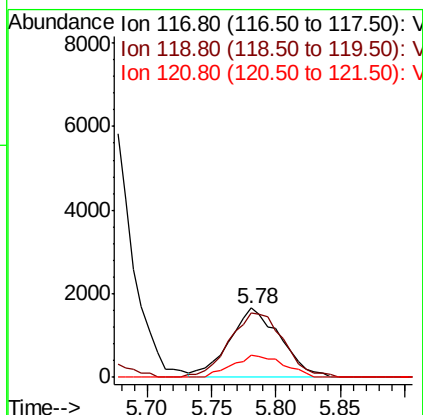
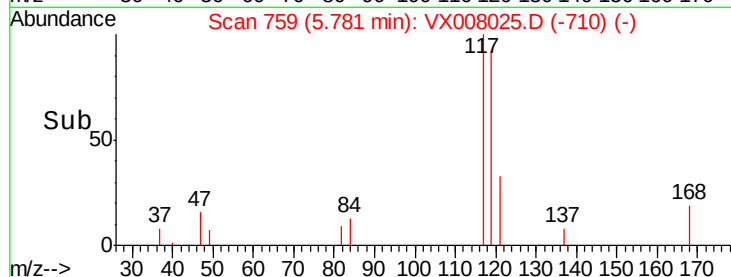
#38
Carbon Tetrachloride
Concen: 1.361 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX008025.D
Acq: 12 Mar 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20190306

Tgt Ion:117 Resp: 4576
Ion Ratio Lower Upper
117 100
119 92.5 76.2 114.2
121 31.8 24.6 36.8

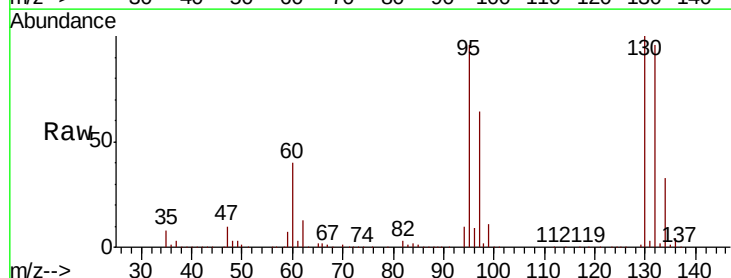


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

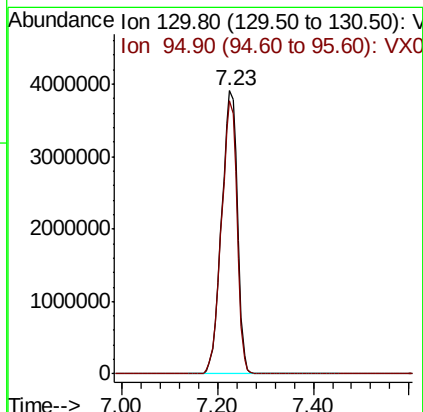
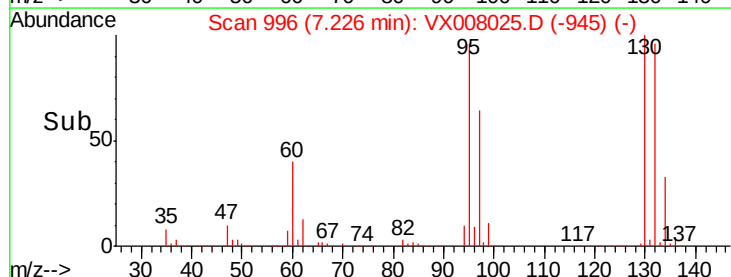


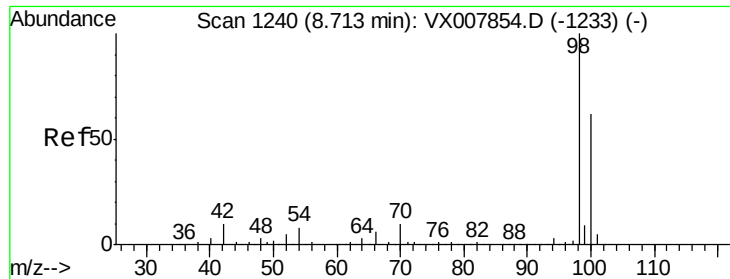
#44
Trichloroethene
Concen: 3080.338 ug/l
RT: 7.23 min Scan# 996
Delta R.T. 0.01 min
Lab File: VX008025.D
Acq: 12 Mar 2019 19:14

Tgt Ion:130 Resp: 8953308
Ion Ratio Lower Upper
130 100
95 96.3 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

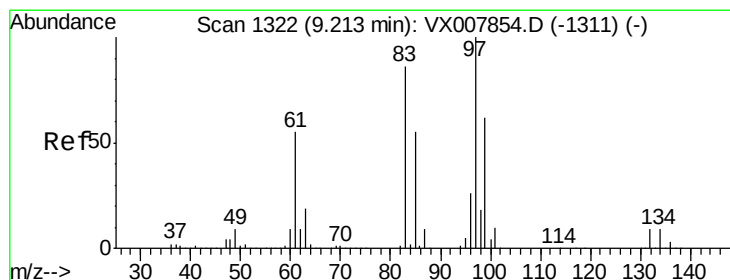
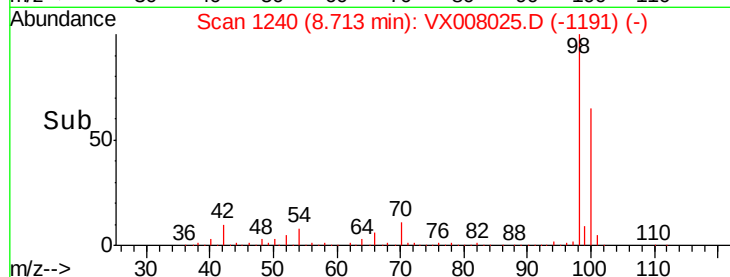
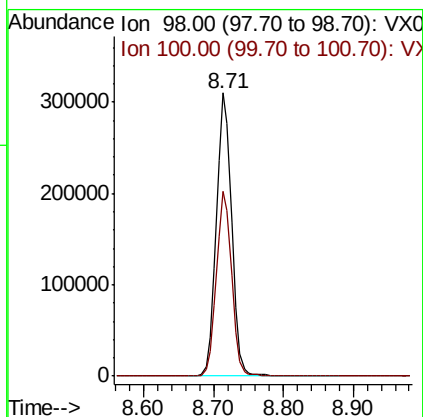
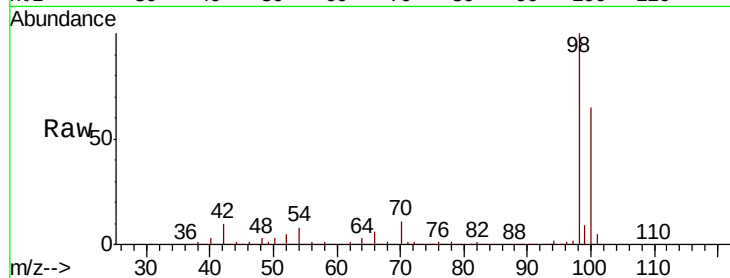




#50
Toluene-d8
Concen: 51.477 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008025.D
Acq: 12 Mar 2019 19:14

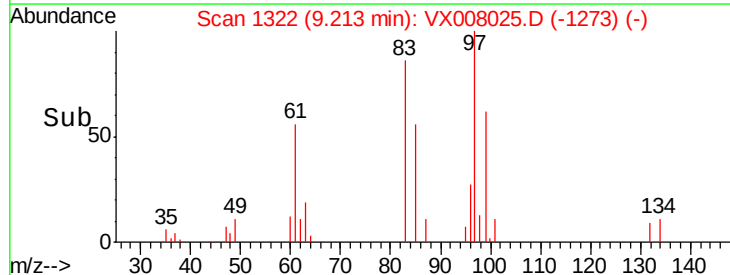
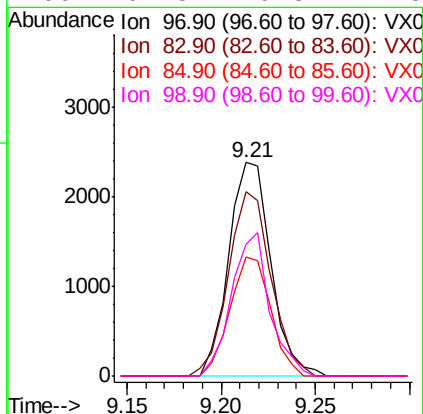
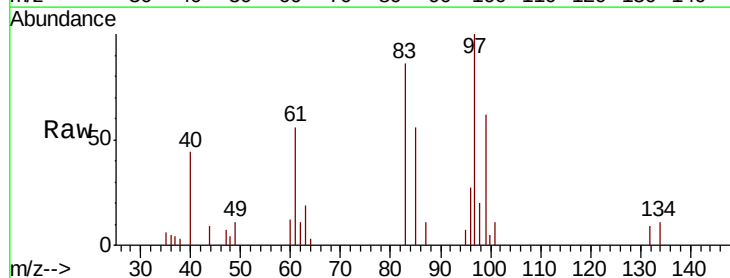
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20190306

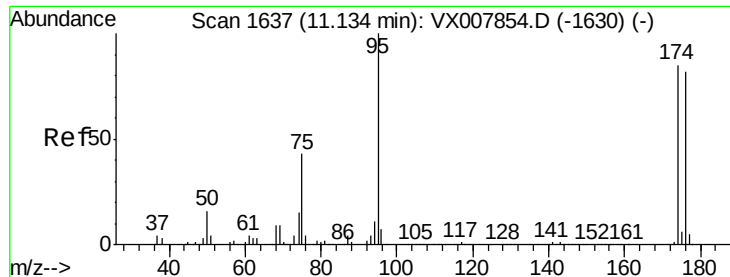
Tgt Ion: 98 Resp: 473158
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 1.424 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX008025.D
Acq: 12 Mar 2019 19:14

Tgt Ion: 97 Resp: 3712
Ion Ratio Lower Upper
97 100
83 86.3 69.1 103.7
85 55.9 44.3 66.5
99 61.8 49.8 74.8





#62

4-Bromofluorobenzene

Concen: 54.432 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20190306

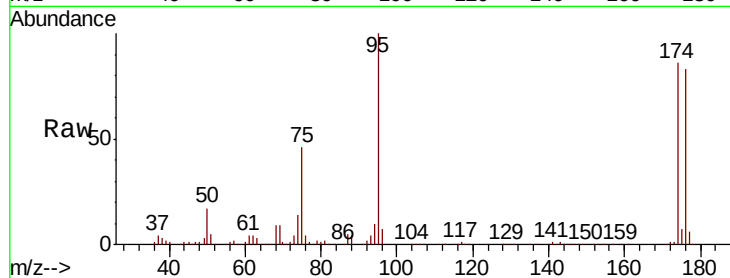
Tgt Ion: 95 Resp: 175412

Ion Ratio Lower Upper

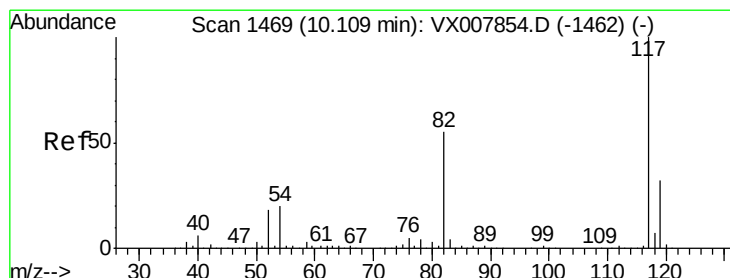
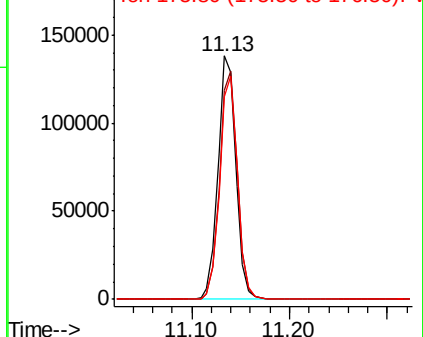
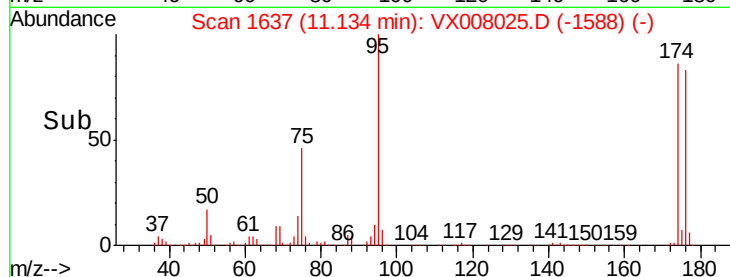
95 100

174 93.2 0.0 182.8

176 90.8 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008025.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

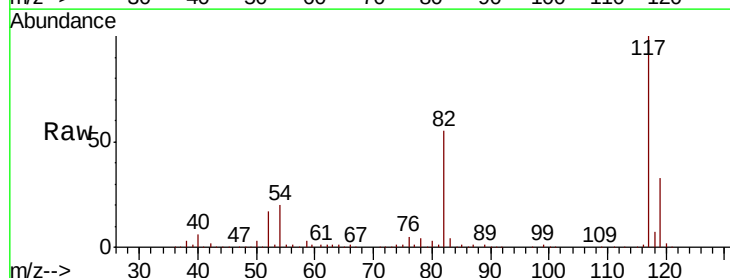
Tgt Ion: 117 Resp: 372795

Ion Ratio Lower Upper

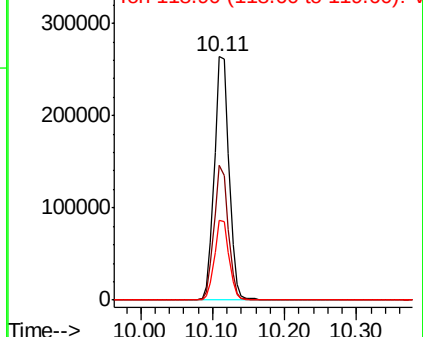
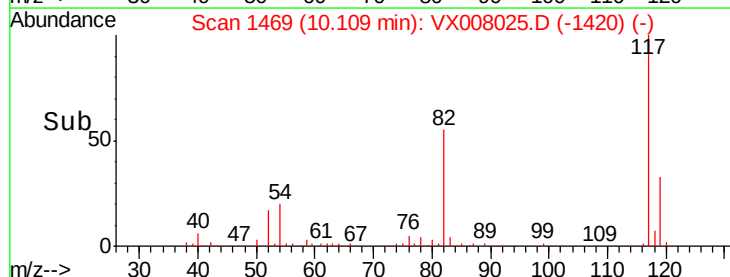
117 100

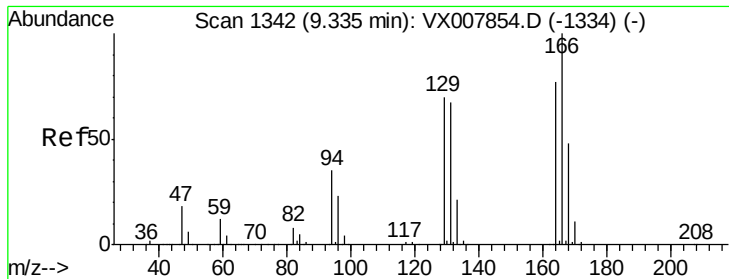
82 55.3 44.3 66.5

119 32.6 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VX008025.D (-1420) (-)





#64

Tetrachloroethene

Concen: 3.215 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20190306

Tgt Ion:164 Resp: 9933

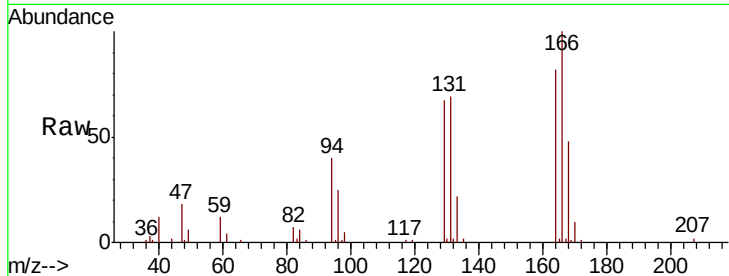
Ion Ratio Lower Upper

164 100

166 122.1 103.4 155.0

129 81.7 72.2 108.4

131 84.6 69.4 104.2

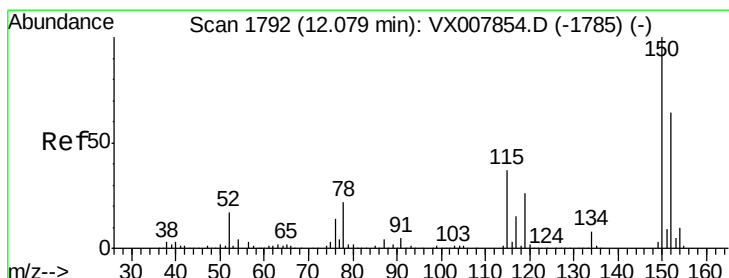
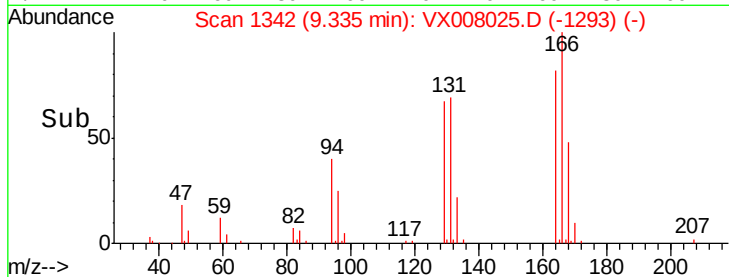
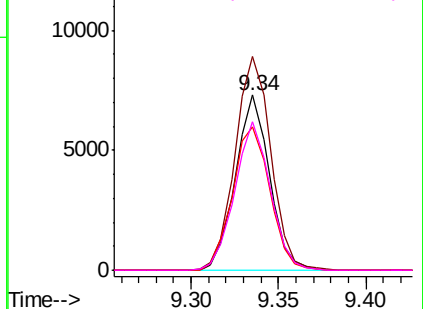


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008025.D

Acq: 12 Mar 2019 19:14

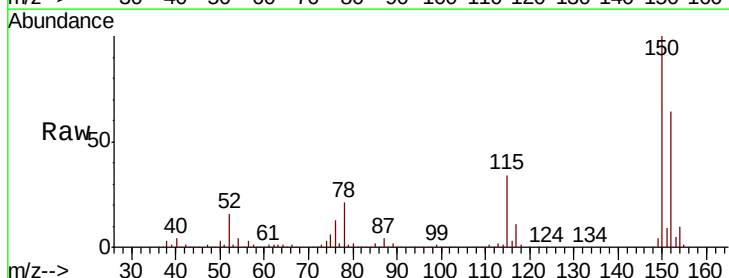
Tgt Ion:152 Resp: 183111

Ion Ratio Lower Upper

152 100

115 54.6 38.6 115.7

150 155.8 0.0 348.4



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

