

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031219\
 Data File : VX008026.D
 Acq On : 12 Mar 2019 19:40
 Operator : JC/SP
 Sample : K1793-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20190306

Quant Time: Mar 13 06:38:36 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	252047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	373994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185833	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	138982	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
35) Dibromofluoromethane	5.50	113	128187	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	8.71	98	477766	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.13	95	178057	54.90	ug/l	0.00
Spiked Amount			Recovery	=	109.80%	

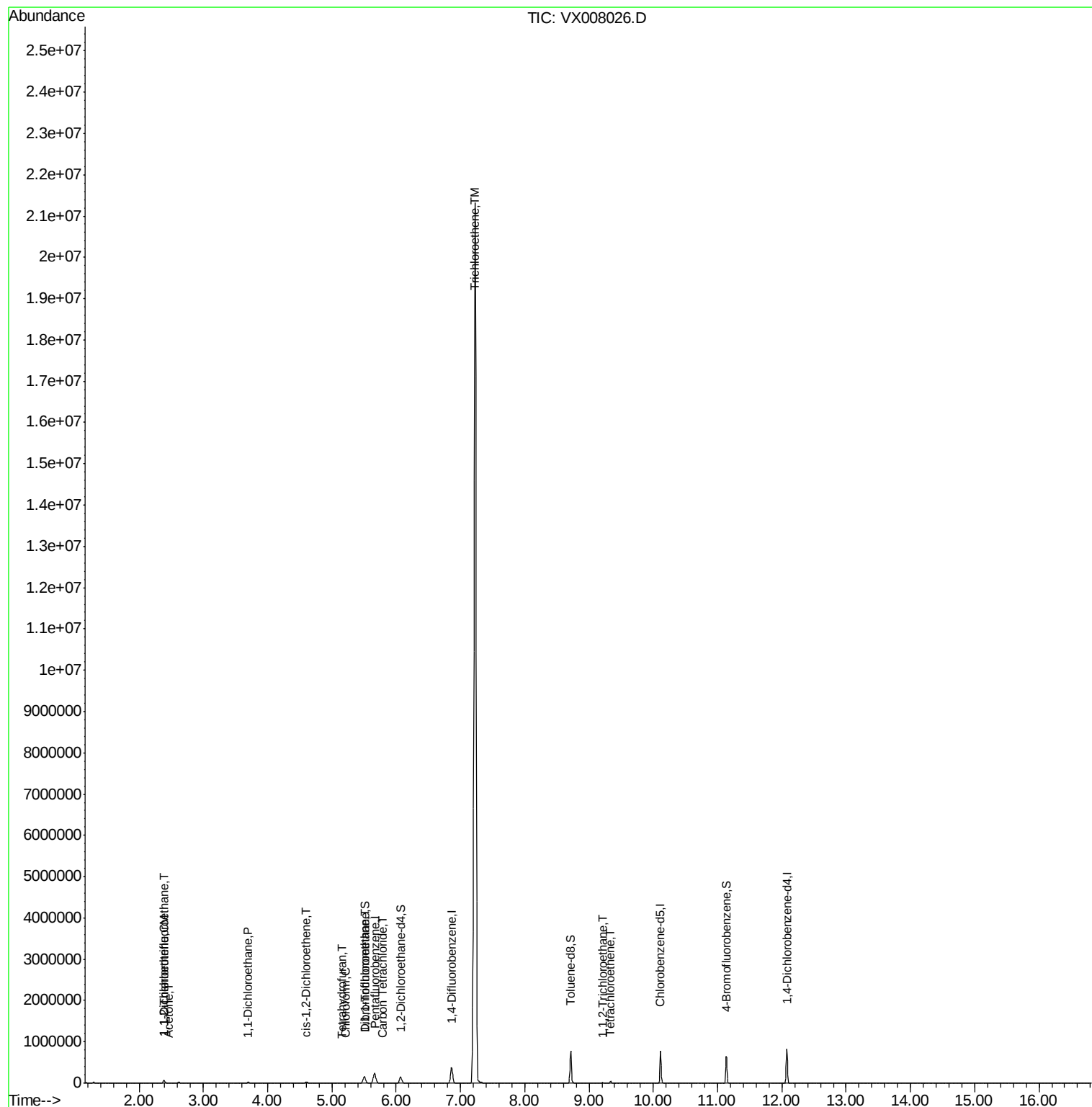
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	13975	6.282	ug/l	98
12) 1,1-Dichloroethene	2.38	96	13528	6.308	ug/l	99
16) Acetone	2.45	43	3788	2.461	ug/l	96
24) 1,1-Dichloroethane	3.70	63	16310	3.669	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	21013	7.782	ug/l	89
29) Tetrahydrofuran	5.15	42	1857	1.366	ug/l	94
30) Chloroform	5.21	83	11627	2.765	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	2209	0.633	ug/l #	48
38) Carbon Tetrachloride	5.79	117	4827	1.426	ug/l	94
44) Trichloroethene	7.23	130	9216300	3150.655	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	3866	1.474	ug/l	92
64) Tetrachloroethene	9.34	164	10543	3.402	ug/l	97

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

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QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008026.D

Acq: 12 Mar 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

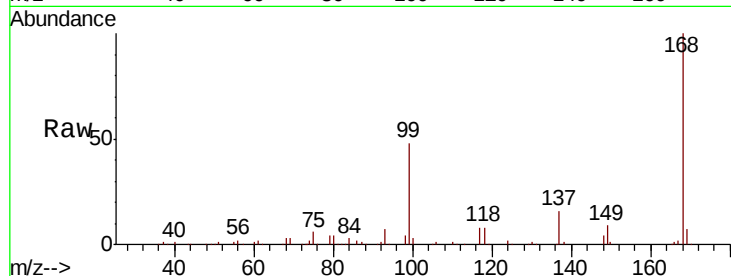
DUP02-20190306

Tgt Ion:168 Resp: 252047

Ion Ratio Lower Upper

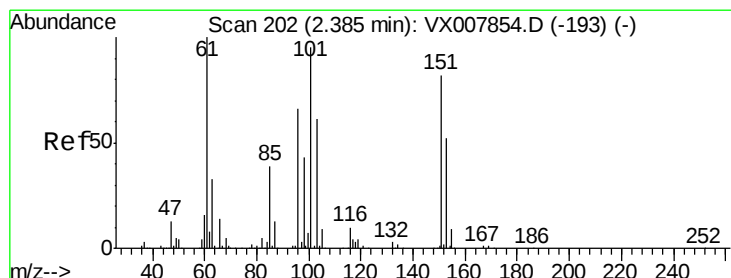
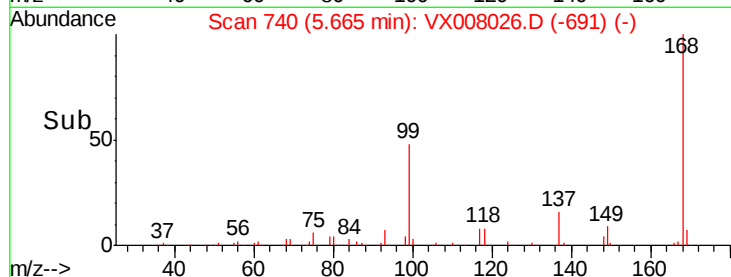
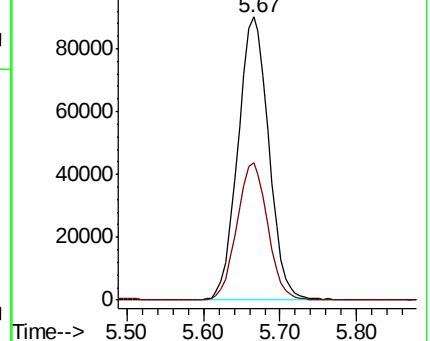
168 100

99 48.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.282 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008026.D

Acq: 12 Mar 2019 19:40

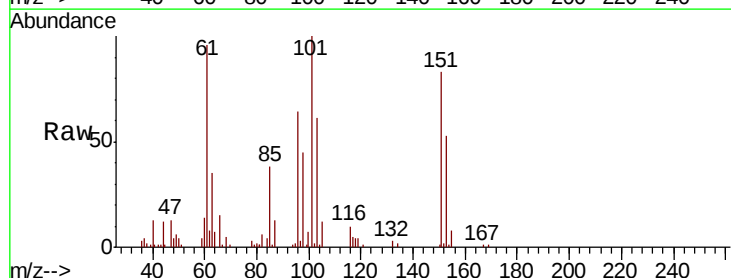
Tgt Ion:101 Resp: 13975

Ion Ratio Lower Upper

101 100

85 40.9 33.8 50.6

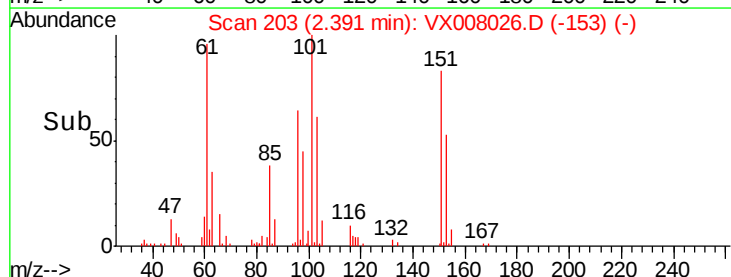
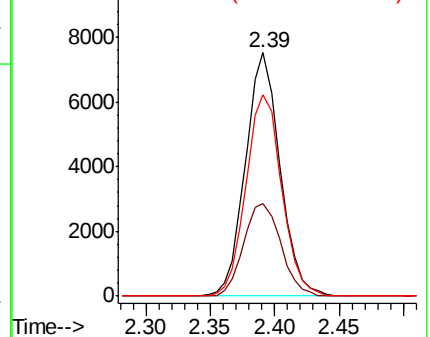
151 85.3 69.1 103.7

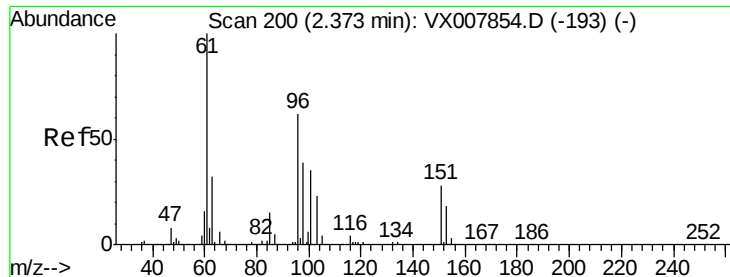


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 6.308 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX008026.D

Acq: 12 Mar 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190306

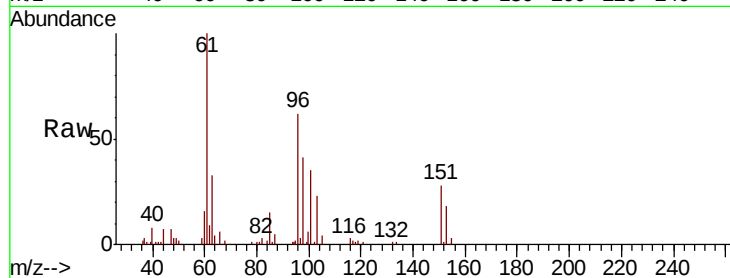
Tgt Ion: 96 Resp: 13528

Ion Ratio Lower Upper

96 100

61 161.8 129.8 194.6

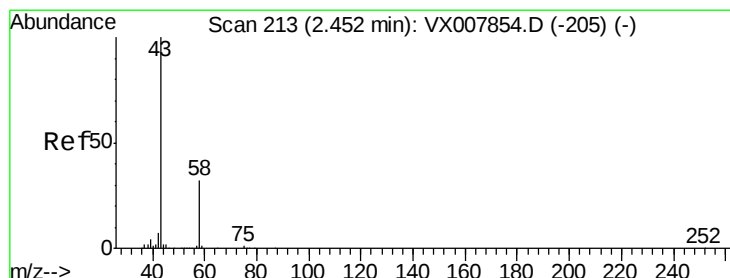
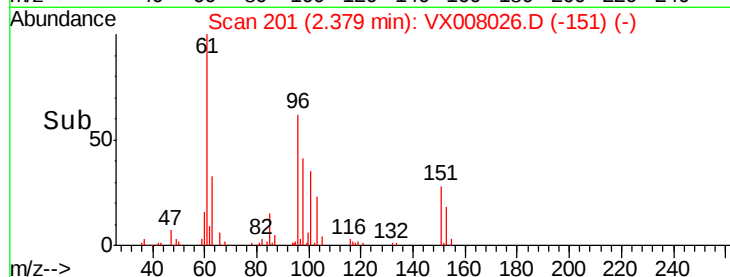
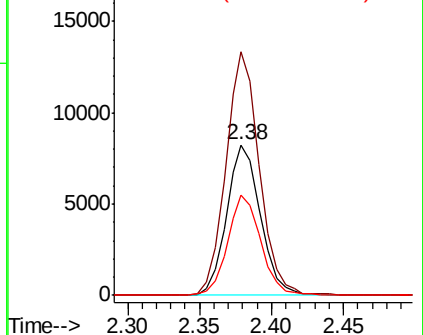
98 66.3 51.0 76.6



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: 2.461 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008026.D

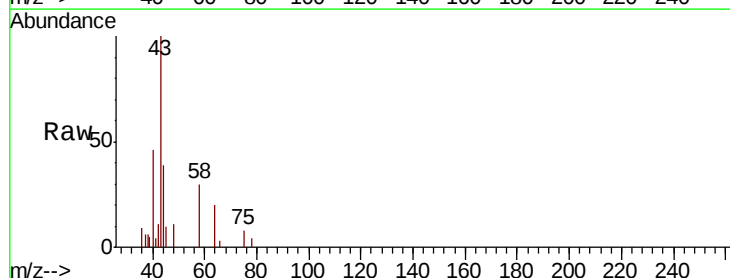
Acq: 12 Mar 2019 19:40

Tgt Ion: 43 Resp: 3788

Ion Ratio Lower Upper

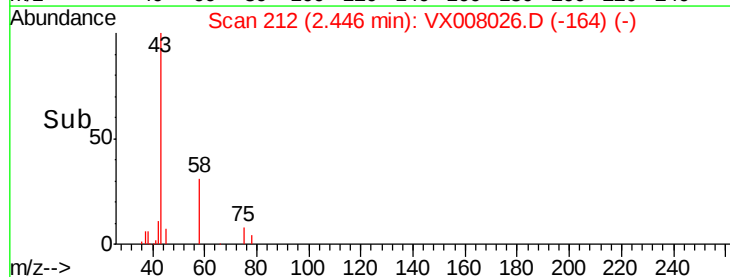
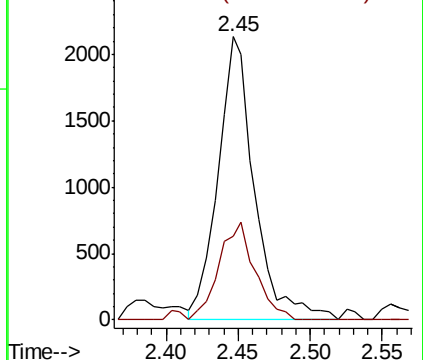
43 100

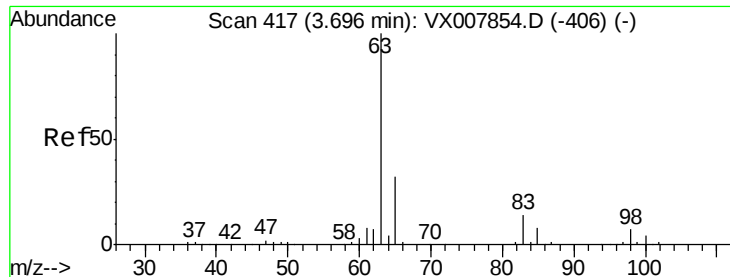
58 29.7 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#24

1,1-Dichloroethane

Concen: 3.669 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008026.D

Acq: 12 Mar 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190306

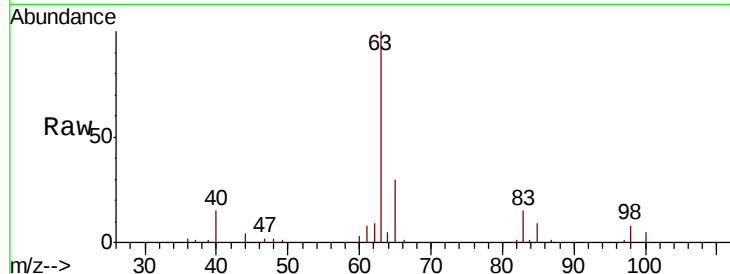
Tgt Ion: 63 Resp: 16310

Ion Ratio Lower Upper

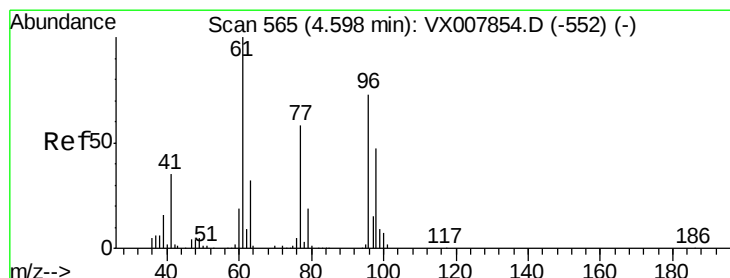
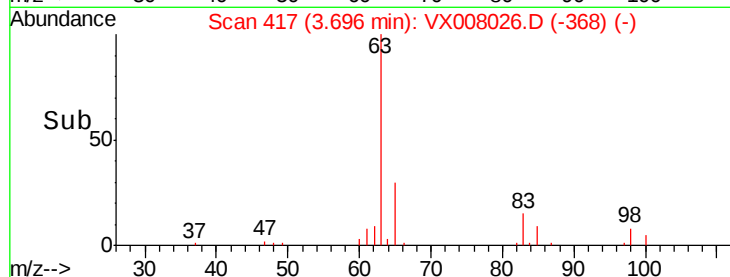
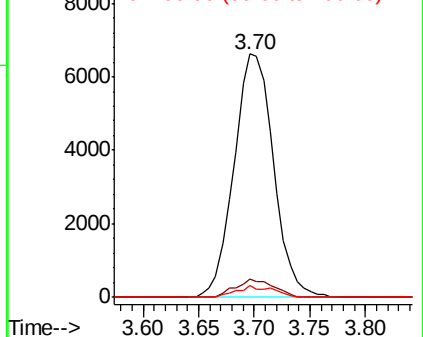
63 100

98 7.5 3.3 9.8

100 4.8 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: 7.782 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008026.D

Acq: 12 Mar 2019 19:40

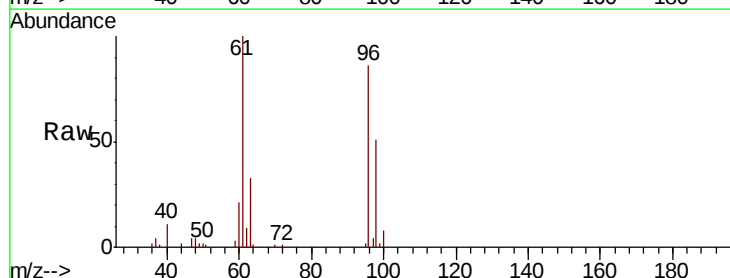
Tgt Ion: 96 Resp: 21013

Ion Ratio Lower Upper

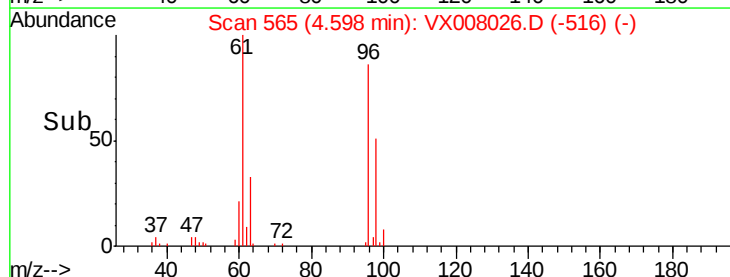
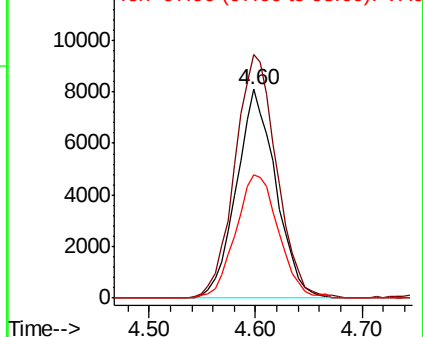
96 100

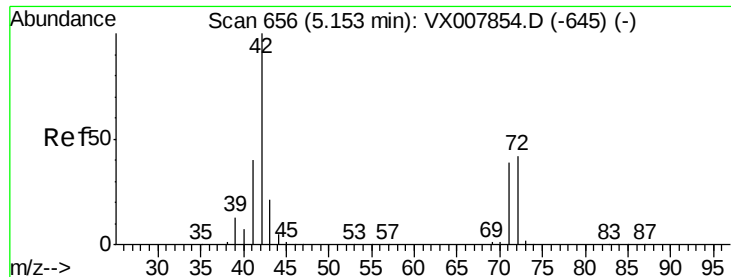
61 123.9 0.0 288.0

98 64.1 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: 1.366 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX008026.D

Acq: 12 Mar 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190306

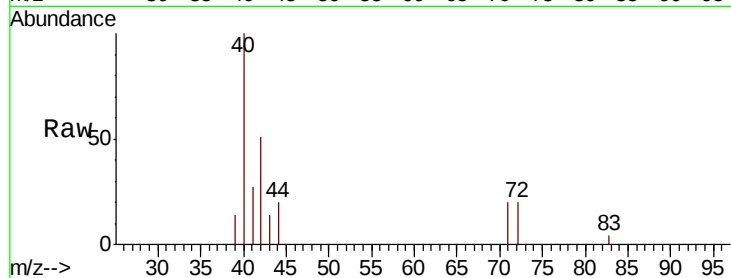
Tgt Ion: 42 Resp: 1857

Ion Ratio Lower Upper

42 100

72 47.1 33.8 50.6

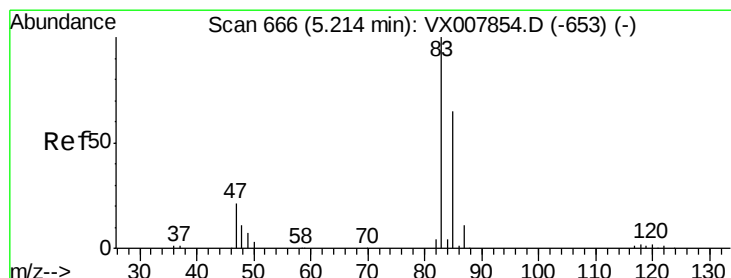
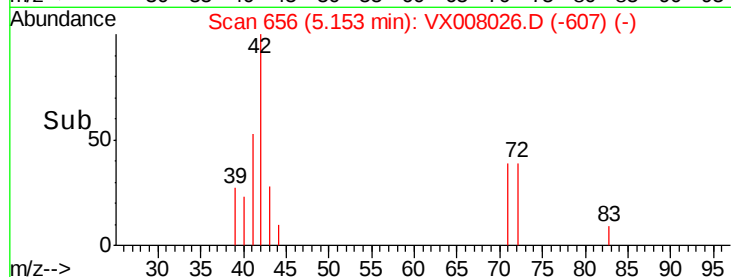
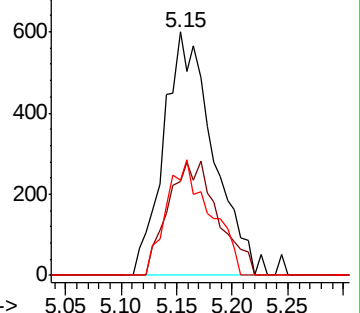
71 41.9 31.5 47.3



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: 2.765 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX008026.D

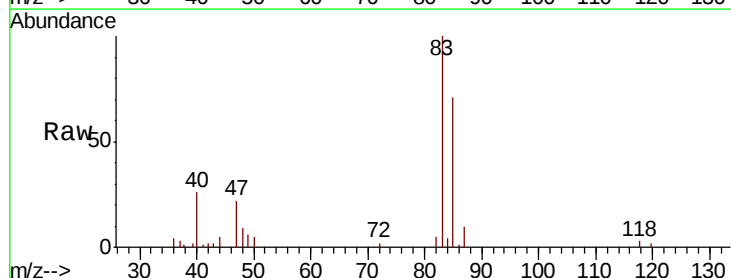
Acq: 12 Mar 2019 19:40

Tgt Ion: 83 Resp: 11627

Ion Ratio Lower Upper

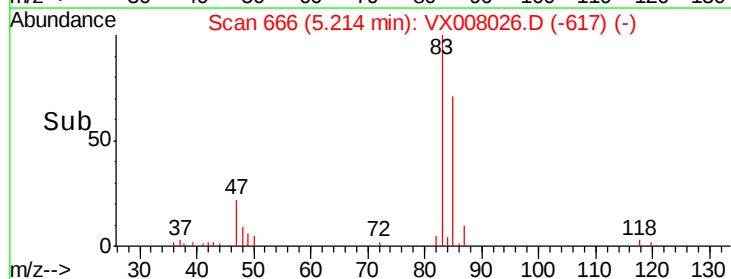
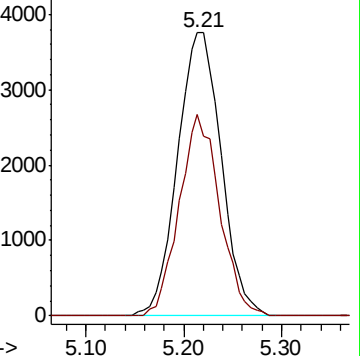
83 100

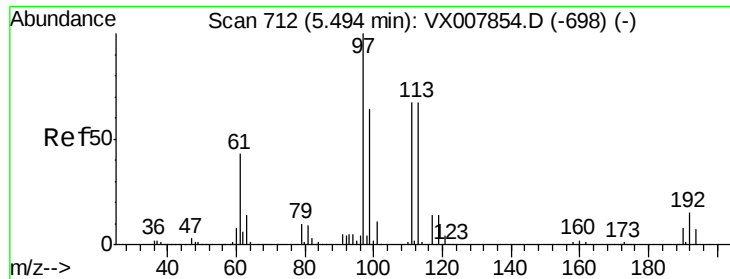
85 71.1 51.8 77.6



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: 0.633 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008026.D

Acq: 12 Mar 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190306

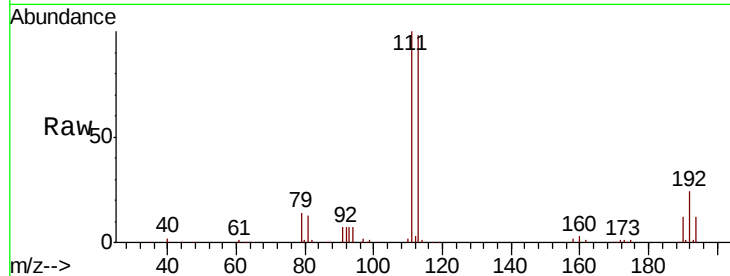
Tgt Ion: 97 Resp: 2209

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

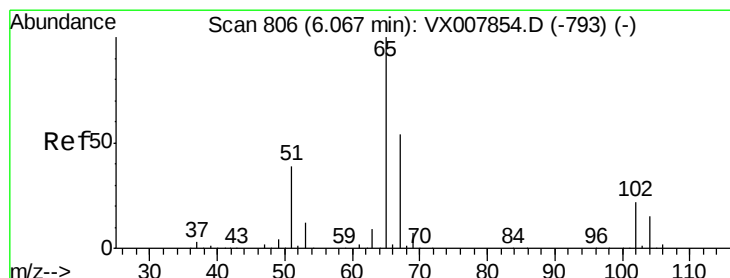
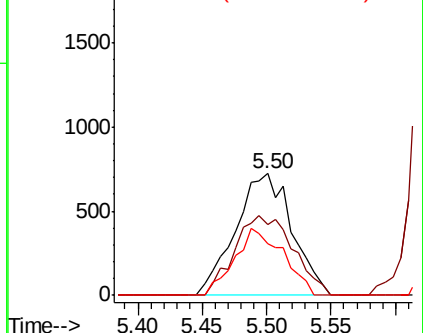
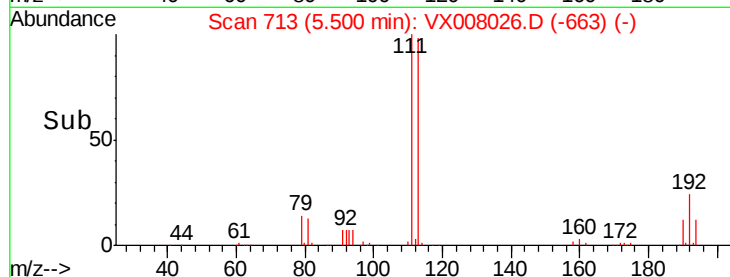
61 47.1 34.9 52.3



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: 52.271 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008026.D

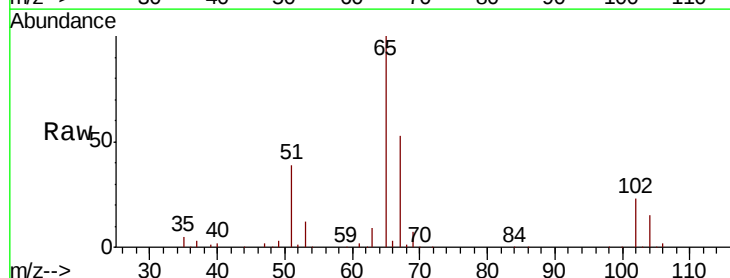
Acq: 12 Mar 2019 19:40

Tgt Ion: 65 Resp: 138982

Ion Ratio Lower Upper

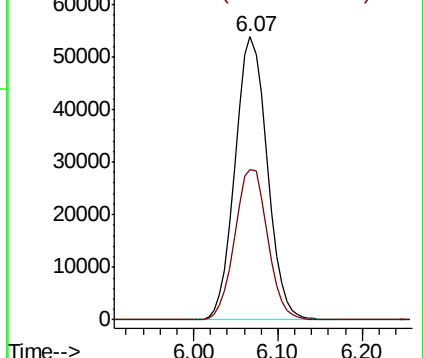
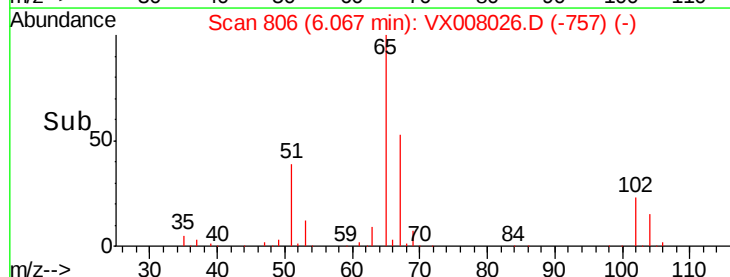
65 100

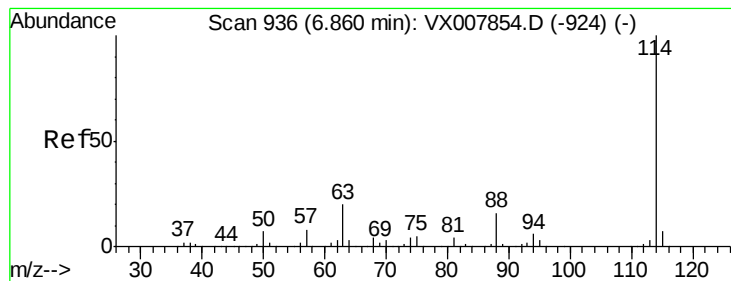
67 54.5 0.0 110.0



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: VX008026.D

Acq: 12 Mar 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190306

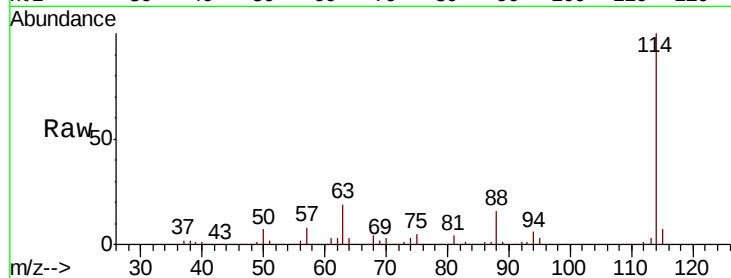
Tgt Ion:114 Resp: 393768

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.8

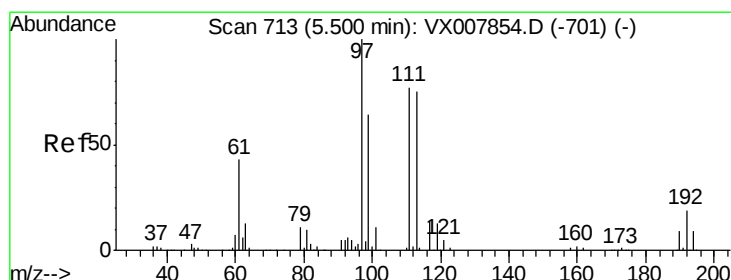
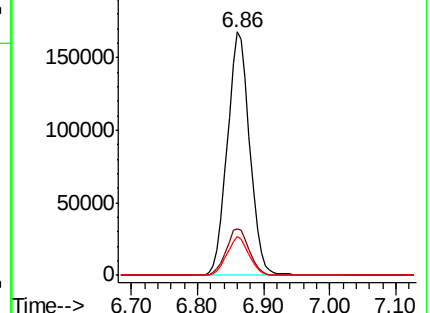
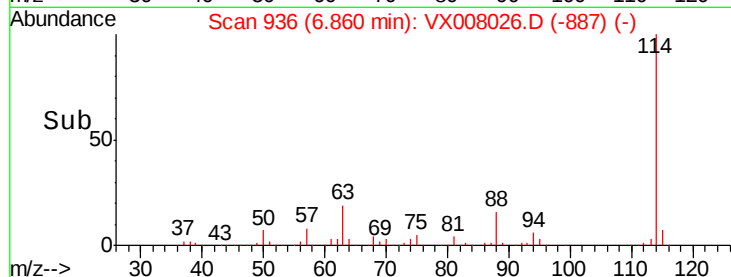
88 15.9 0.0 31.4



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: 50.892 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008026.D

Acq: 12 Mar 2019 19:40

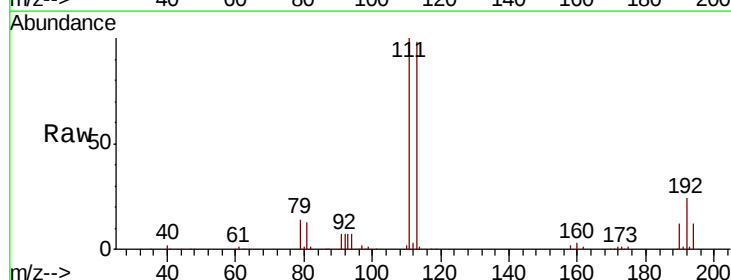
Tgt Ion:113 Resp: 128187

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

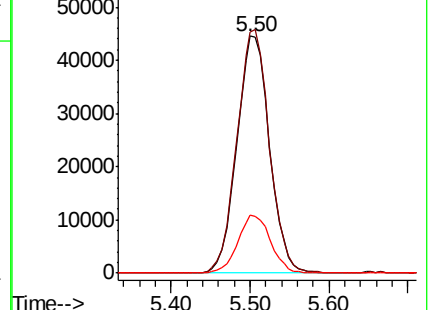
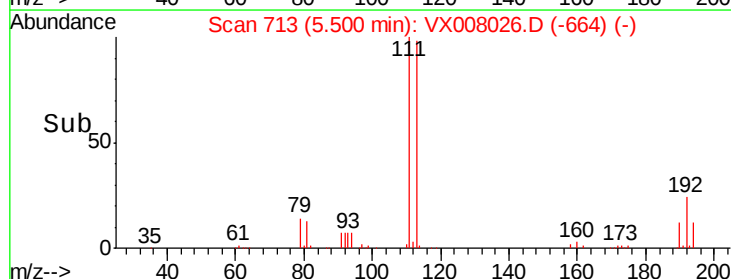
192 24.4 19.4 29.0

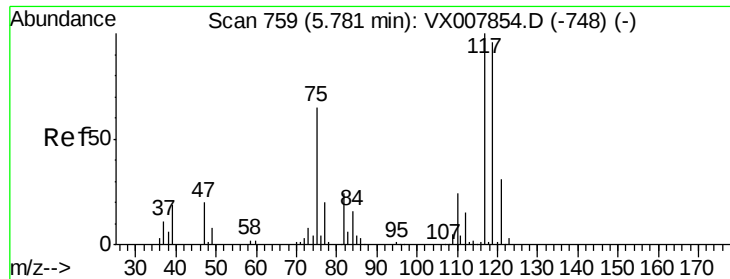


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

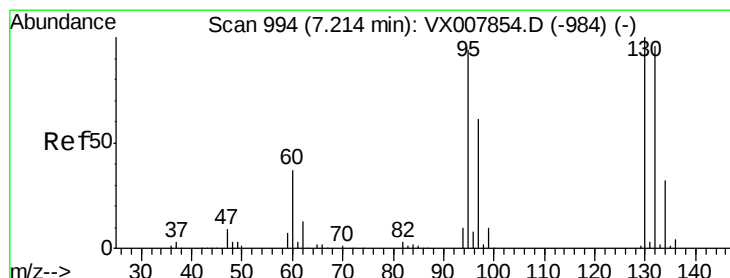
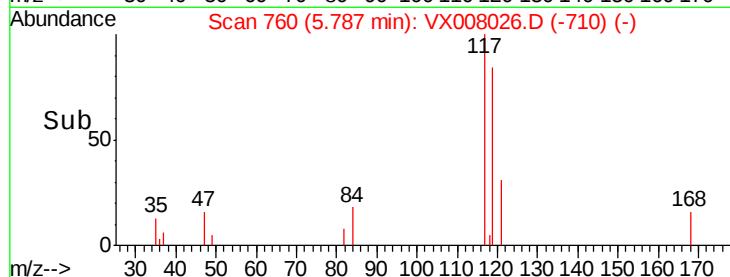
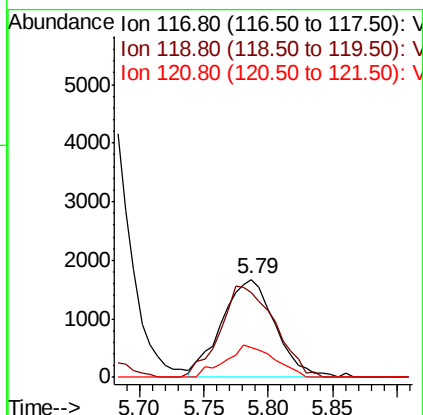
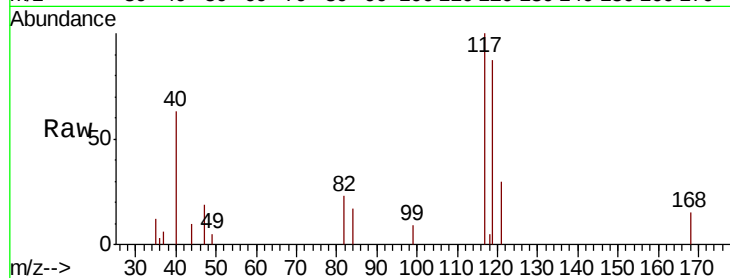




#38
Carbon Tetrachloride
Concen: 1.426 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX008026.D
Acq: 12 Mar 2019 19:40

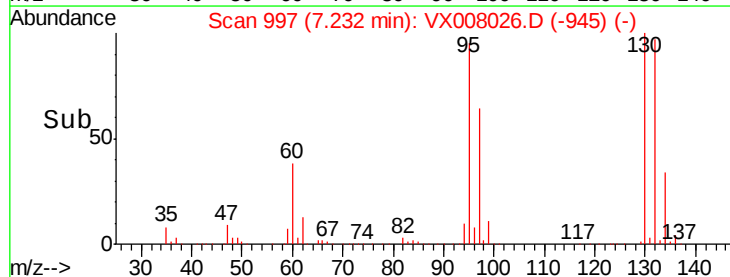
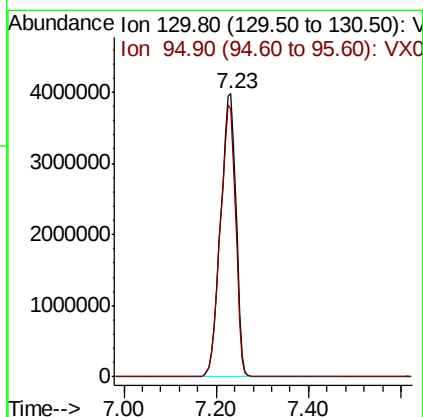
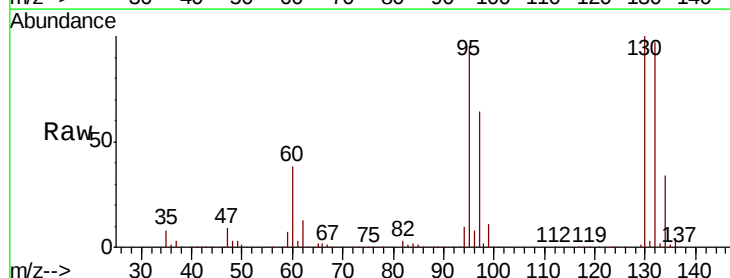
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190306

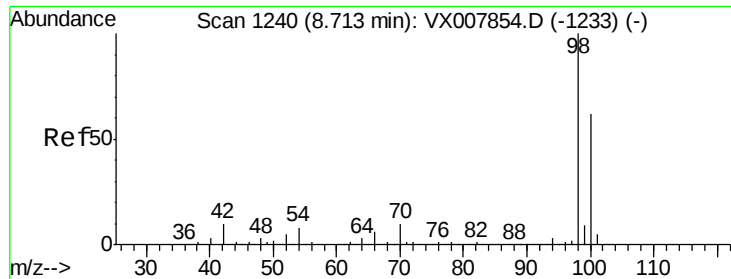
Tgt Ion:117 Resp: 4827
Ion Ratio Lower Upper
117 100
119 87.4 76.2 114.2
121 29.9 24.6 36.8



#44
Trichloroethene
Concen: 3150.655 ug/l
RT: 7.23 min Scan# 997
Delta R.T. 0.02 min
Lab File: VX008026.D
Acq: 12 Mar 2019 19:40

Tgt Ion:130 Resp: 9216300
Ion Ratio Lower Upper
130 100
95 94.6 0.0 188.0

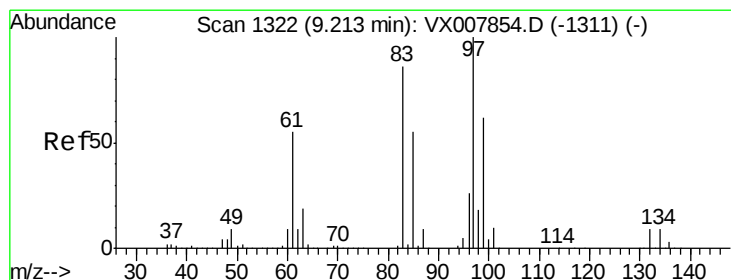
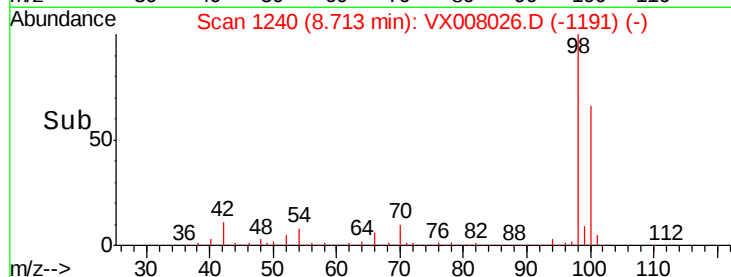
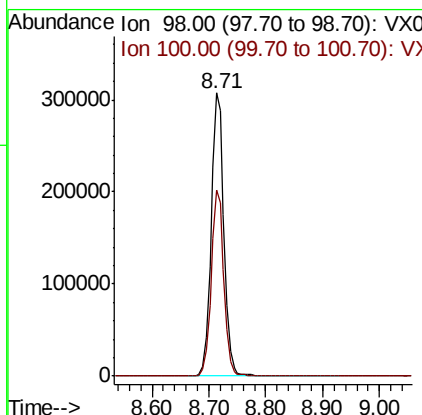
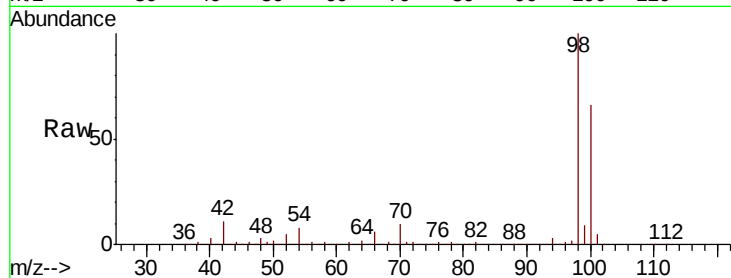




#50
Toluene-d8
Concen: 51.648 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008026.D
Acq: 12 Mar 2019 19:40

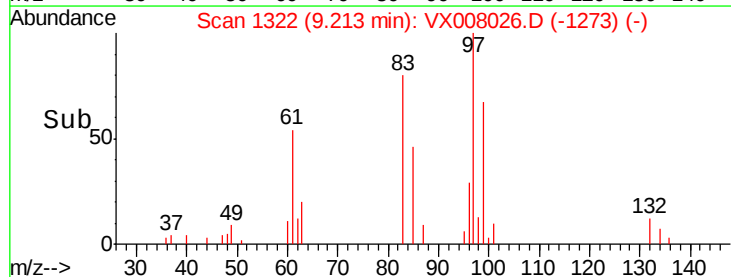
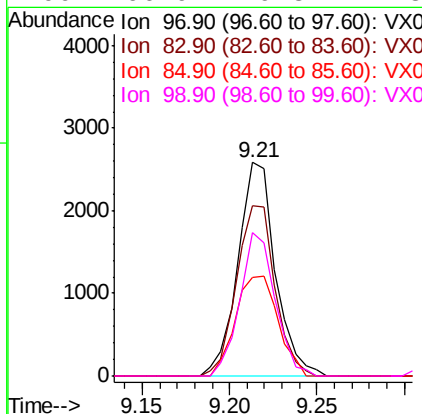
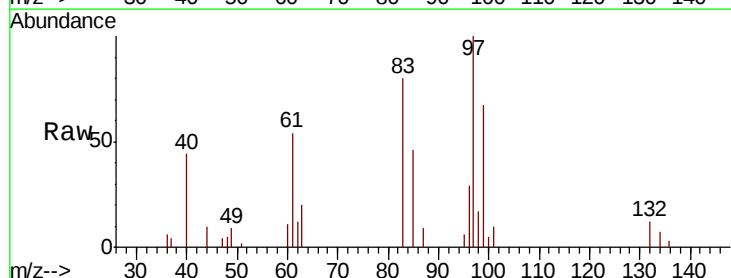
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190306

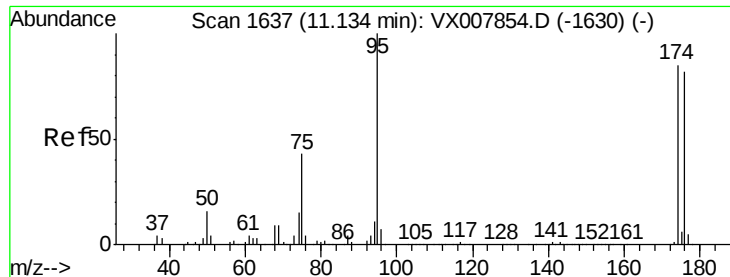
Tgt Ion: 98 Resp: 477766
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 1.474 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX008026.D
Acq: 12 Mar 2019 19:40

Tgt Ion: 97 Resp: 3866
Ion Ratio Lower Upper
97 100
83 79.8 69.1 103.7
85 46.0 44.3 66.5
99 66.9 49.8 74.8





#62

4-Bromofluorobenzene

Concen: 54.901 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008026.D

Acq: 12 Mar 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190306

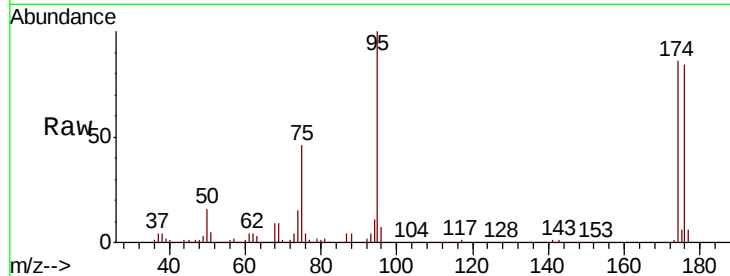
Tgt Ion: 95 Resp: 178057

Ion Ratio Lower Upper

95 100

174 93.0 0.0 182.8

176 89.9 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)

11.13

150000

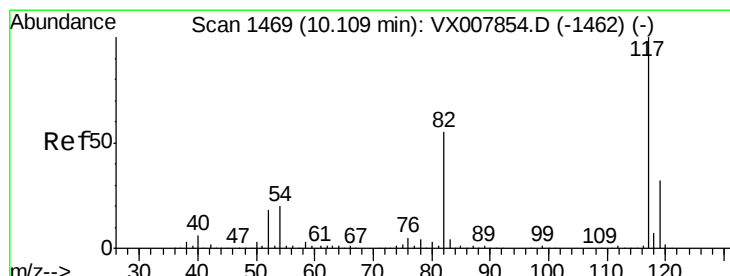
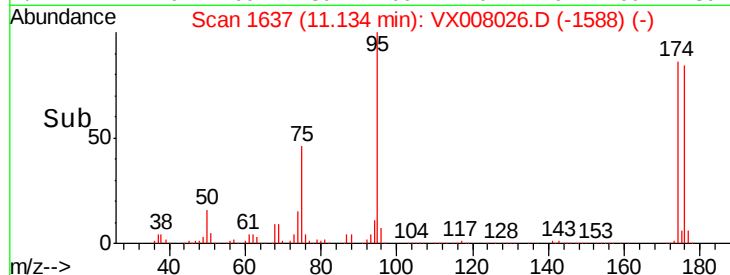
100000

50000

0

Time-->

11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008026.D

Acq: 12 Mar 2019 19:40

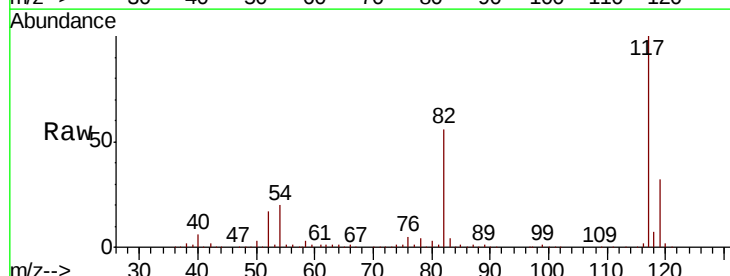
Tgt Ion: 117 Resp: 373994

Ion Ratio Lower Upper

117 100

82 55.8 44.3 66.5

119 32.2 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)

10.11

300000

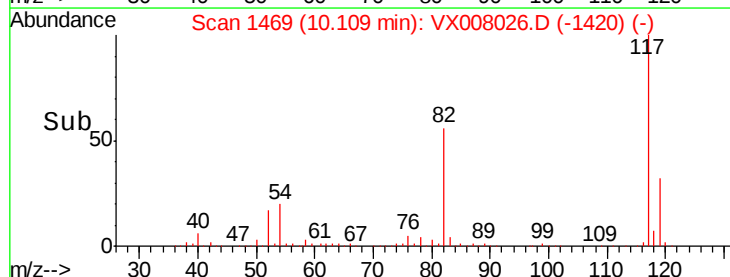
200000

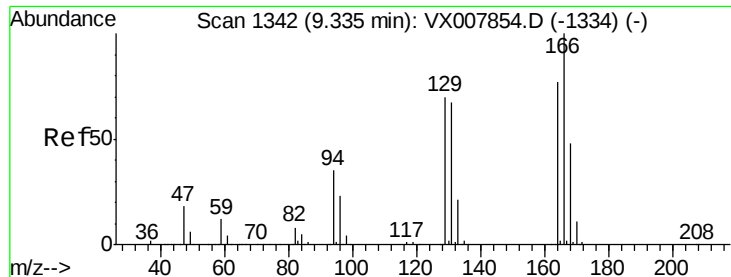
100000

0

Time-->

10.00 10.10 10.20





#64

Tetrachloroethene

Concen: 3.402 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008026.D

Acq: 12 Mar 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190306

Tgt Ion:164 Resp: 10543

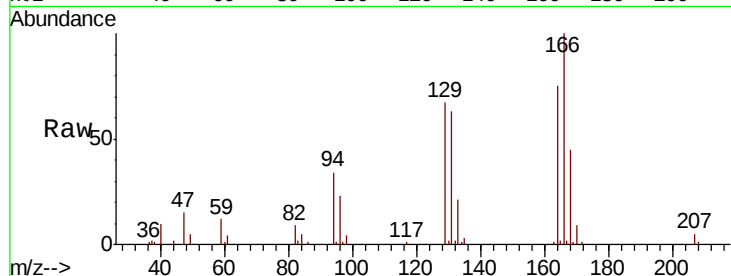
Ion Ratio Lower Upper

164 100

166 134.1 103.4 155.0

129 89.5 72.2 108.4

131 84.8 69.4 104.2

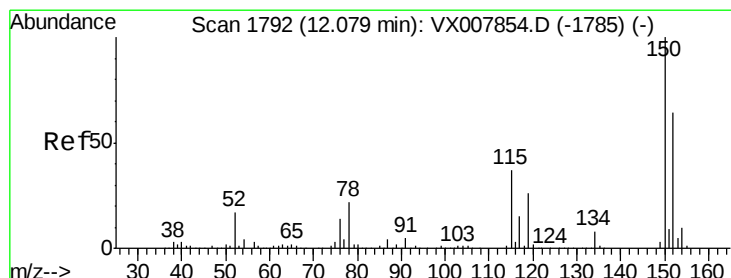
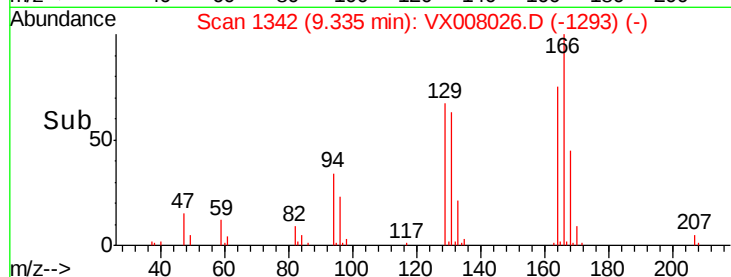
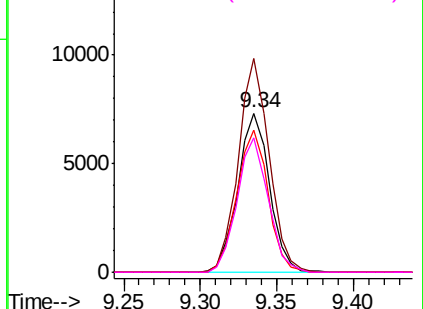


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX008026.D

Acq: 12 Mar 2019 19:40

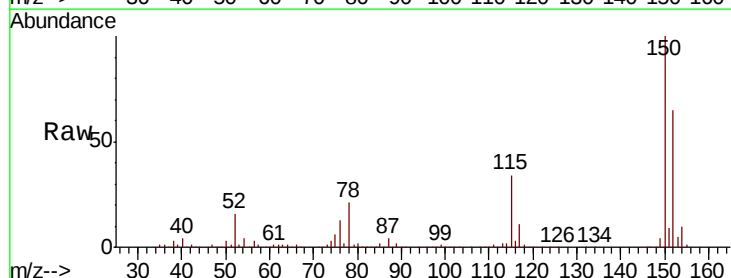
Tgt Ion:152 Resp: 185833

Ion Ratio Lower Upper

152 100

115 55.2 38.6 115.7

150 156.1 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

