

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006573.D
 Acq On : 17 Dec 2018 15:25
 Operator : JC/MD
 Sample : J6405-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20181210

Quant Time: Dec 18 01:19:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	688359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1097072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1000023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	475620	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	384007	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	
35) Dibromofluoromethane	5.50	113	336127	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	8.71	98	1285625	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.13	95	470294	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	

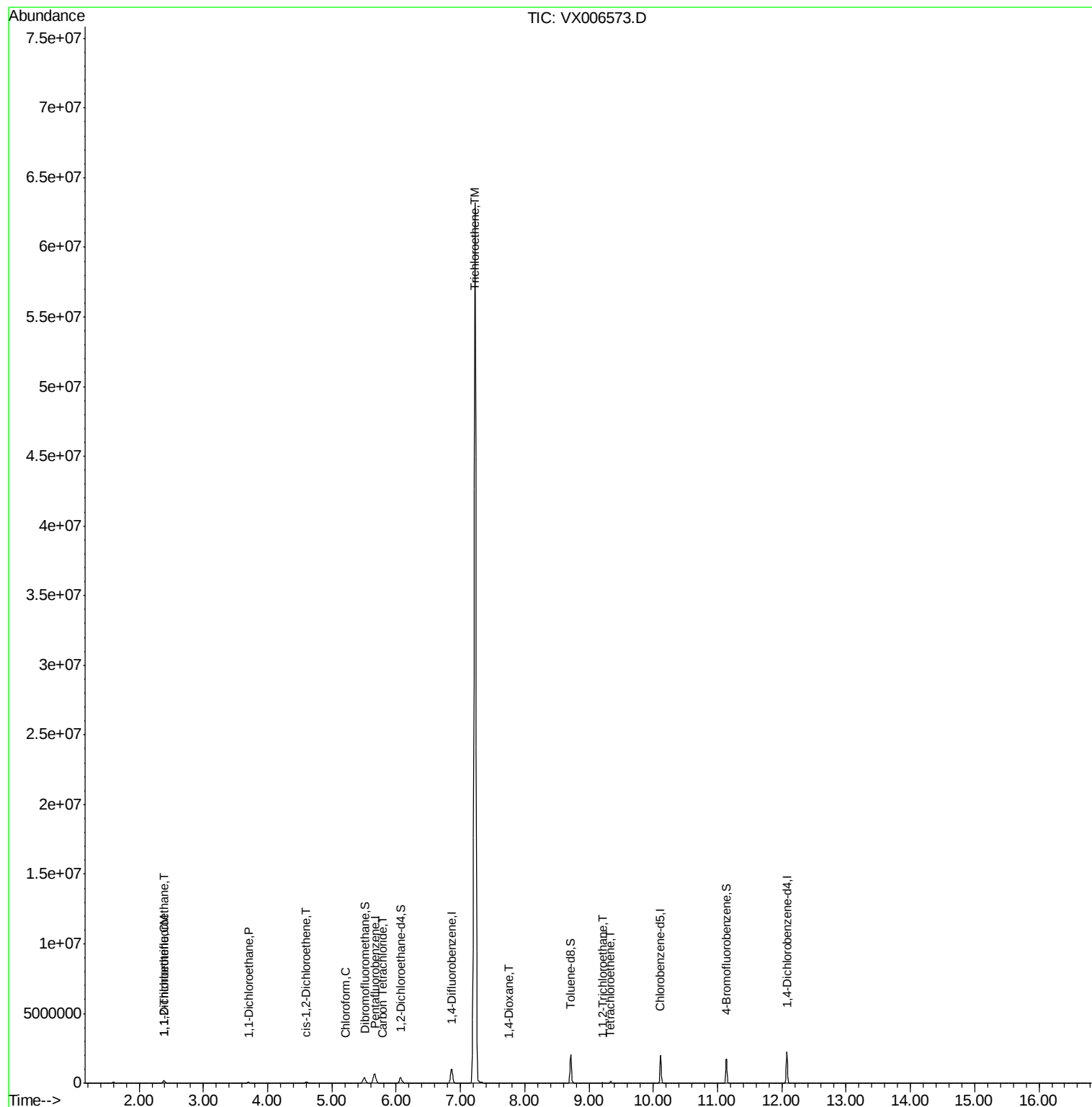
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	38685	5.946	ug/l	99
12) 1,1-Dichloroethene	2.38	96	33439	5.369	ug/l	96
24) 1,1-Dichloroethane	3.70	63	38376	3.494	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	55403	7.483	ug/l	89
30) Chloroform	5.21	83	28954	2.508	ug/l	99
38) Carbon Tetrachloride	5.79	117	11842	1.090	ug/l #	84
44) Trichloroethene	7.22	130	21784686	2598.846	ug/l	87
49) 1,4-Dioxane	7.76	88	2775	13.417	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	9607	1.299	ug/l #	86
64) Tetrachloroethene	9.34	164	26493	3.518	ug/l	94

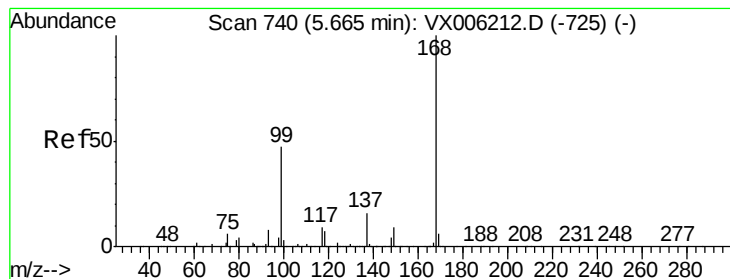
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE108D2-20181210

Quant Time: Dec 18 01:19:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
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: VX006573.D

Acq: 17 Dec 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

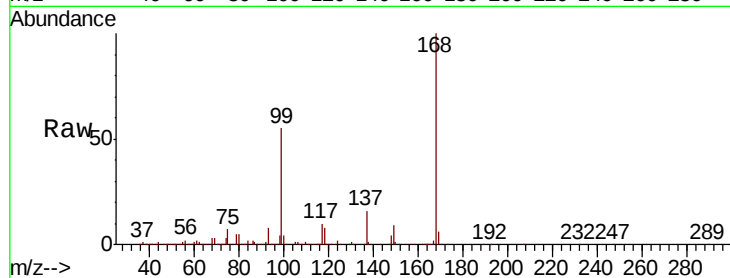
RE108D2-20181210

Tot Ion:168 Resp: 688359

Ion Ratio Lower Upper

168 100

99 54.8 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

150000

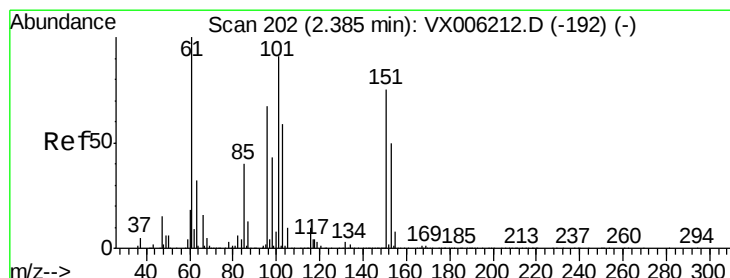
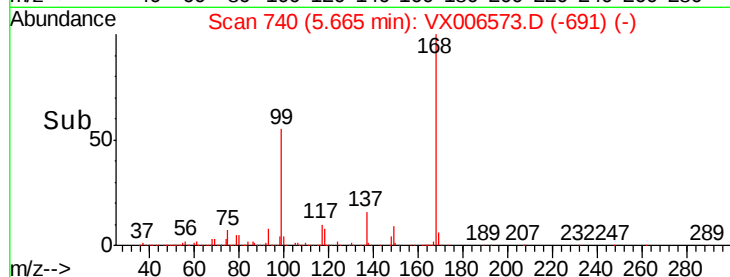
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.946 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX006573.D

Acq: 17 Dec 2018 15:25

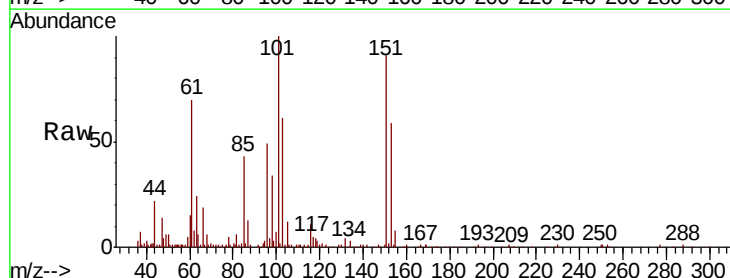
Tgt Ion:101 Resp: 38685

Ion Ratio Lower Upper

101 100

85 45.3 35.5 53.3

151 86.7 68.6 103.0



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

25000

20000

15000

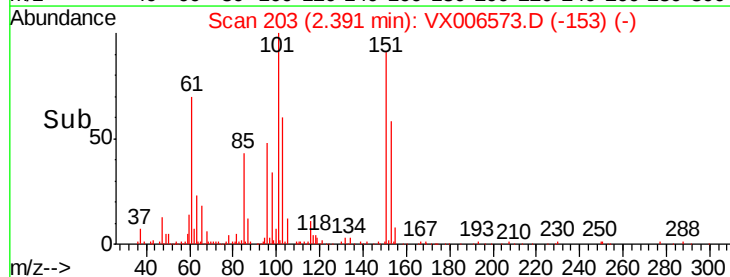
10000

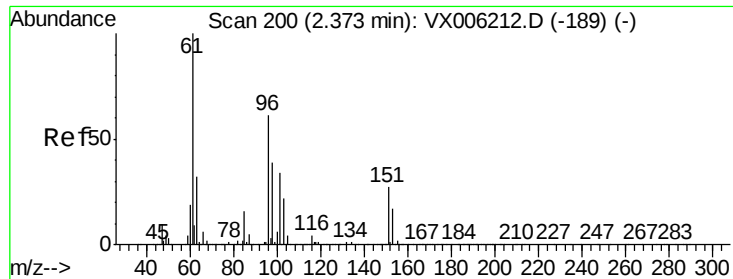
5000

0

Time-->

2.30 2.40 2.50





#12

1,1-Dichloroethene

Concen: 5.369 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX006573.D

Acq: 17 Dec 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20181210

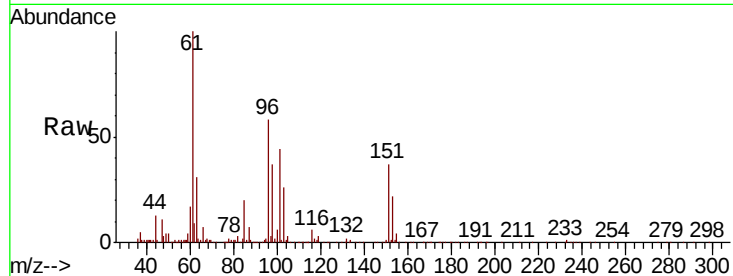
Tot Ion: 96 Resp: 33439

Ion Ratio Lower Upper

96 100

61 170.5 131.7 197.5

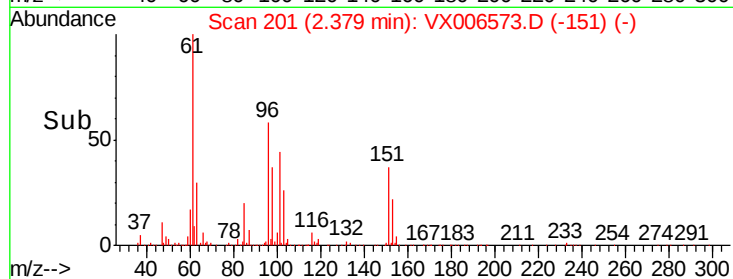
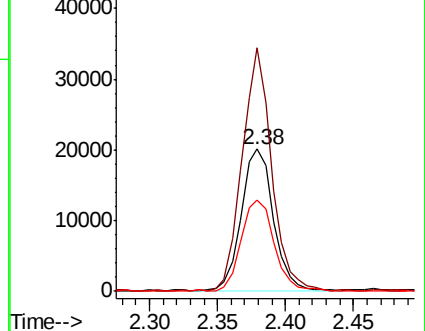
98 63.4 51.8 77.6



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



#24

1,1-Dichloroethane

Concen: 3.494 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX006573.D

Acq: 17 Dec 2018 15:25

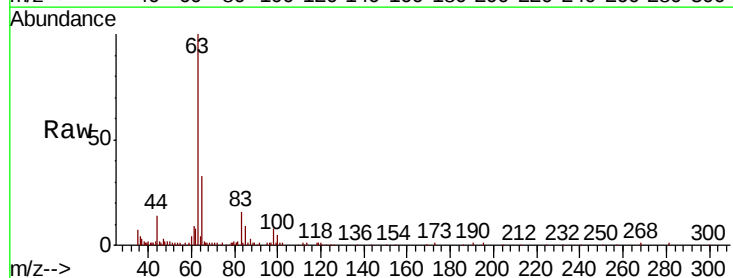
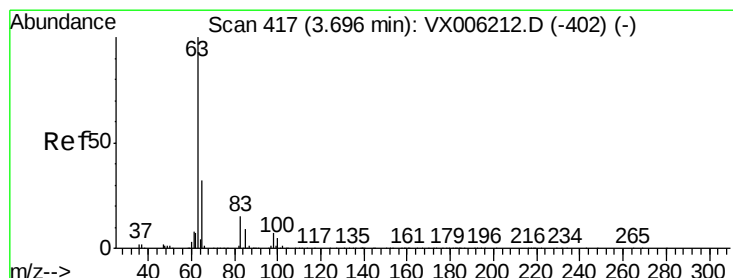
Tgt Ion: 63 Resp: 38376

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

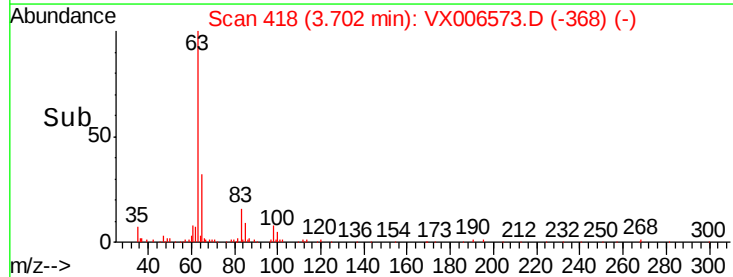
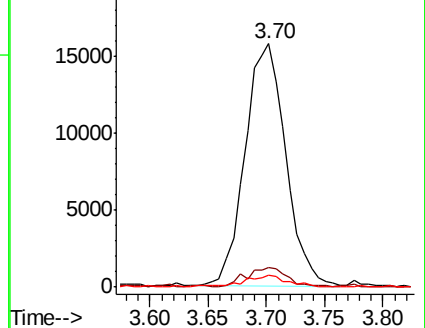
100 4.7 2.5 7.4

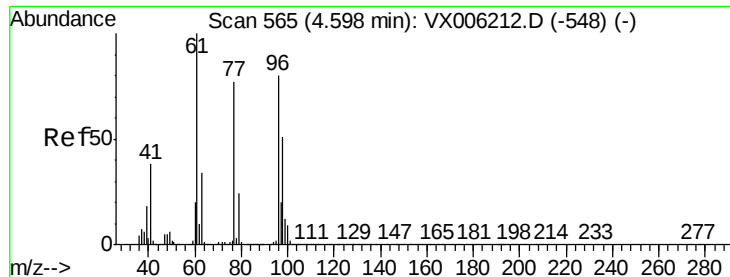


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



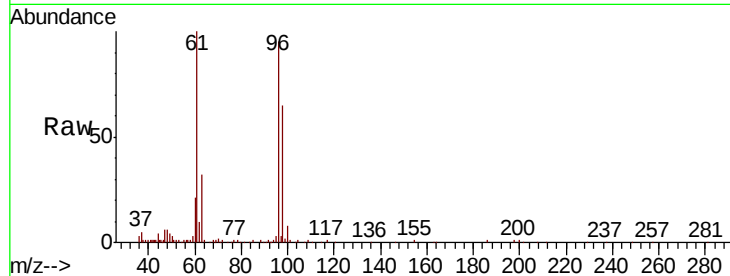


#27

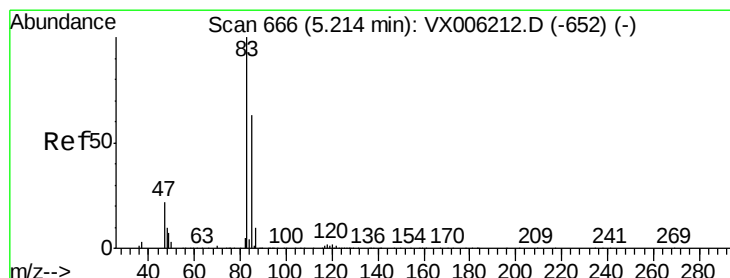
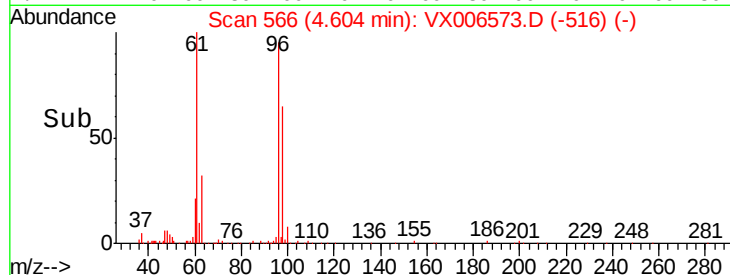
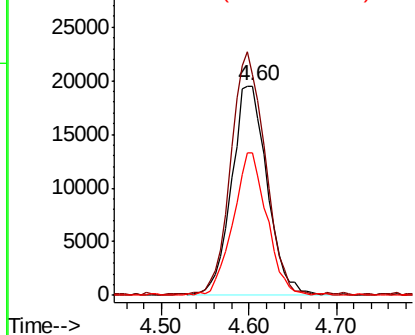
cis-1,2-Dichloroethene
 Concen: 7.483 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX006573.D
 Acq: 17 Dec 2018 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20181210

Tot Ion	Ratio	Lower	Upper
96	100		
61	112.8	0.0	265.0
98	64.7	0.0	130.2



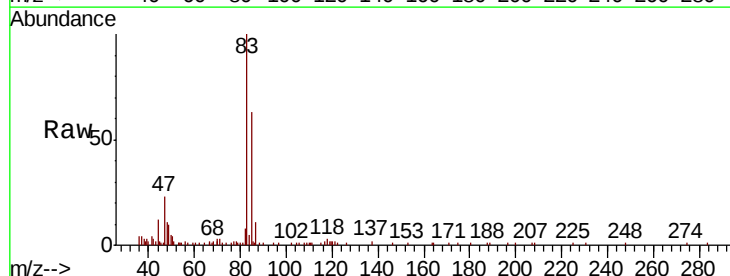
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



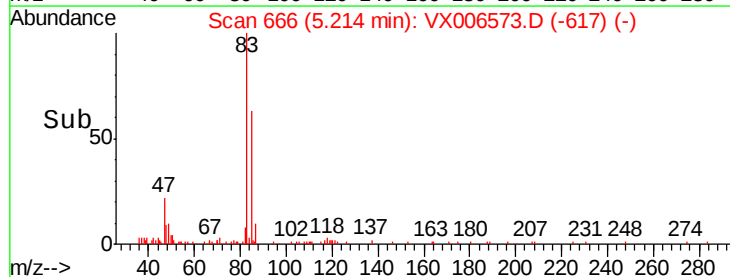
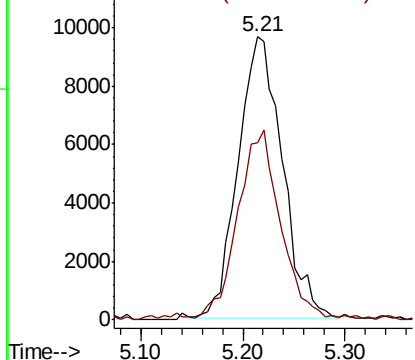
#30

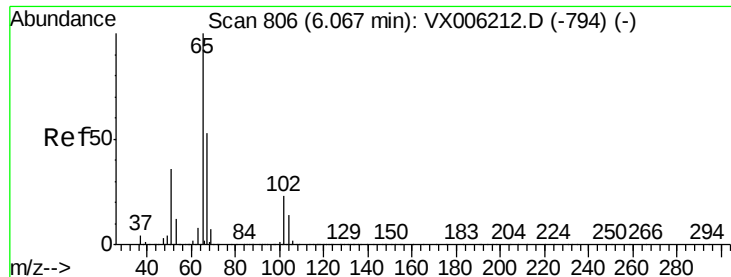
Chloroform
 Concen: 2.508 ug/l
 RT: 5.21 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VX006573.D
 Acq: 17 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.3	75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.647 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006573.D

Acq: 17 Dec 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

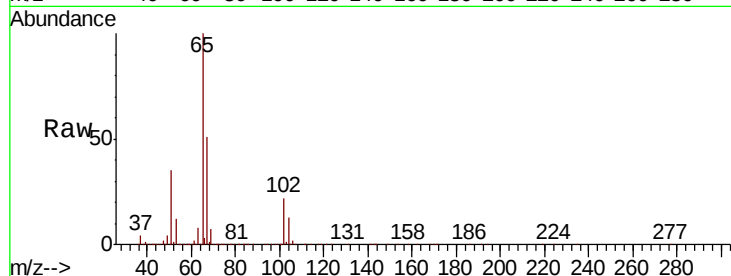
RE108D2-20181210

Tot Ion: 65 Resp: 384007

Ion Ratio Lower Upper

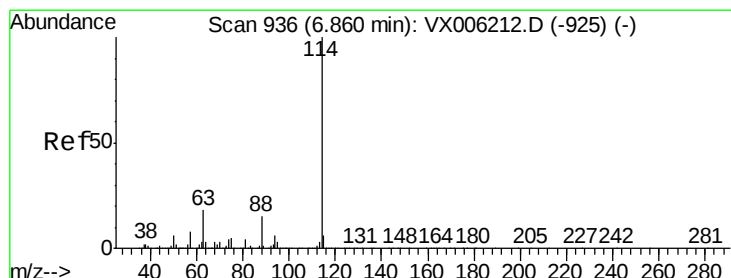
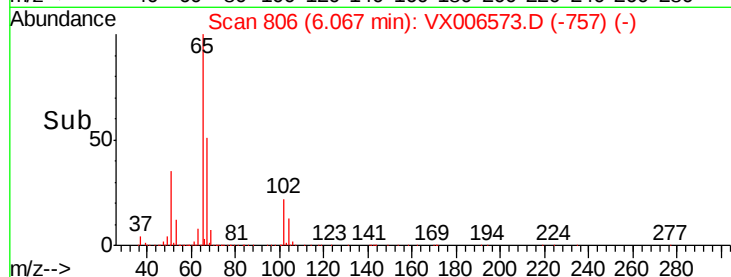
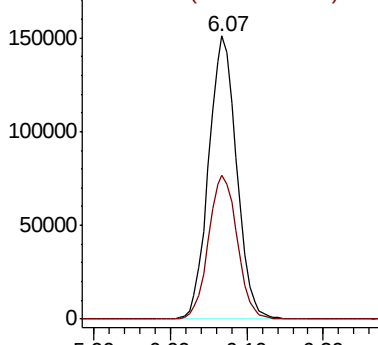
65 100

67 52.2 0.0 107.2



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: VX006573.D

Acq: 17 Dec 2018 15:25

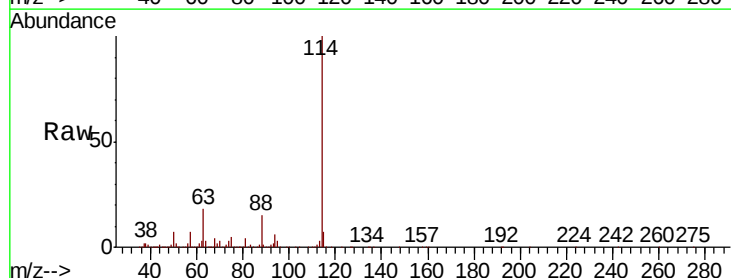
Tgt Ion: 114 Resp: 1097072

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

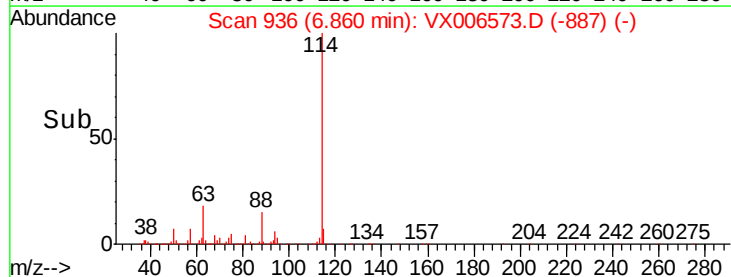
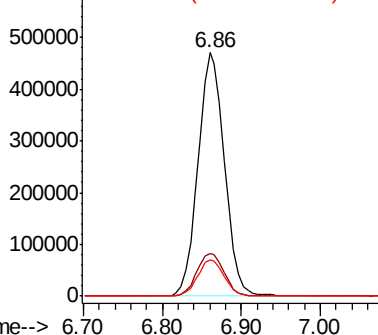
88 15.1 0.0 29.0

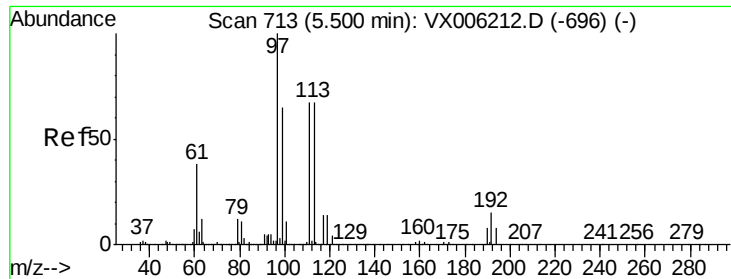


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

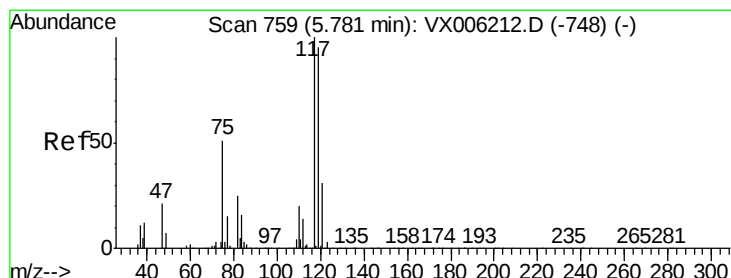
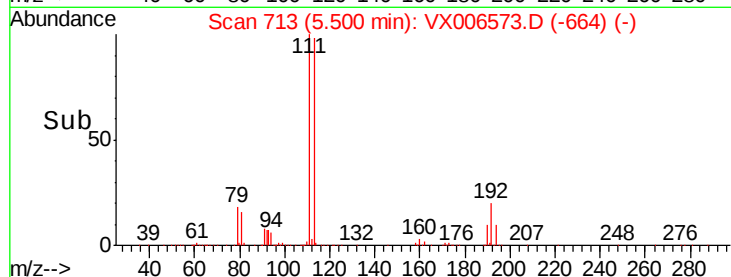
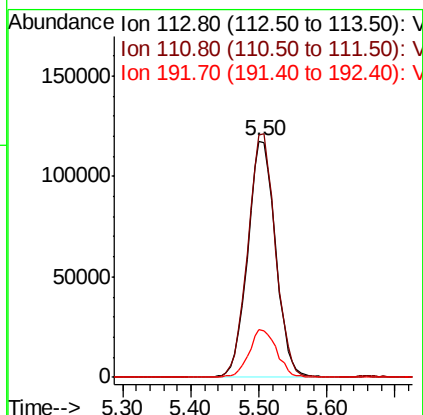
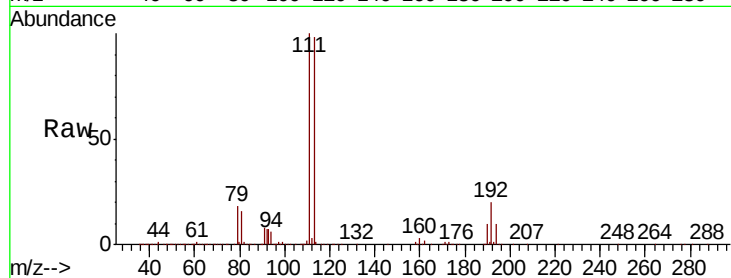




#35
 Dibromofluoromethane
 Concen: 47.321 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006573.D
 Acq: 17 Dec 2018 15:25

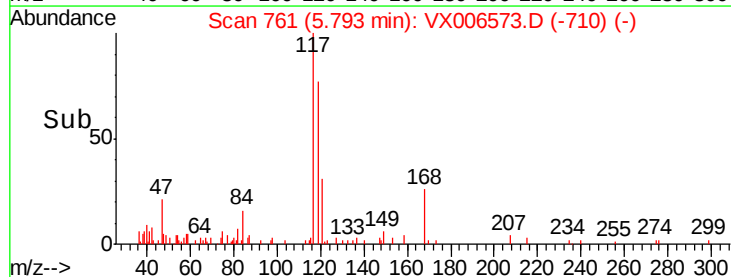
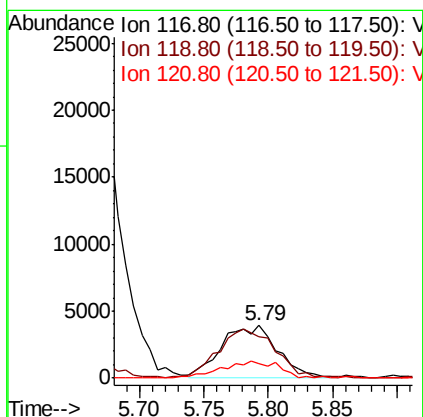
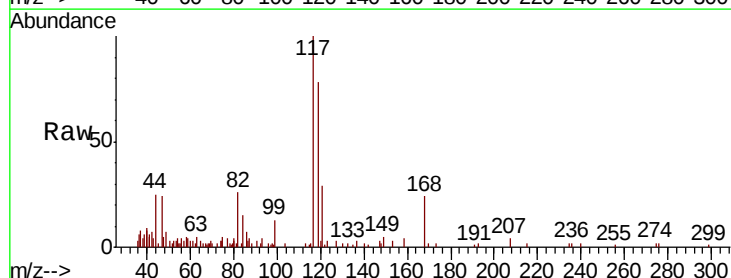
Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20181210

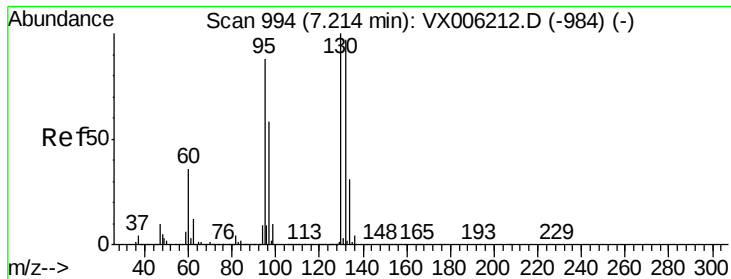
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	20.2	18.2	27.2



#38
 Carbon Tetrachloride
 Concen: 1.090 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VX006573.D
 Acq: 17 Dec 2018 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	75.0	75.8	113.8#
121	28.7	24.6	37.0





#44

Trichloroethene

Concen: 2598.846 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX006573.D

Acq: 17 Dec 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

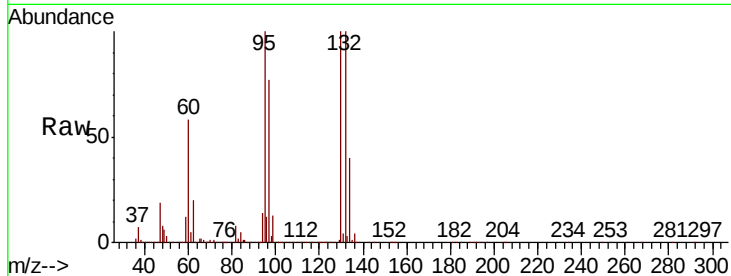
RE108D2-20181210

Tot Ion:130 Resp:21784686

Ion Ratio Lower Upper

130 100

95 100.0 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

8000000

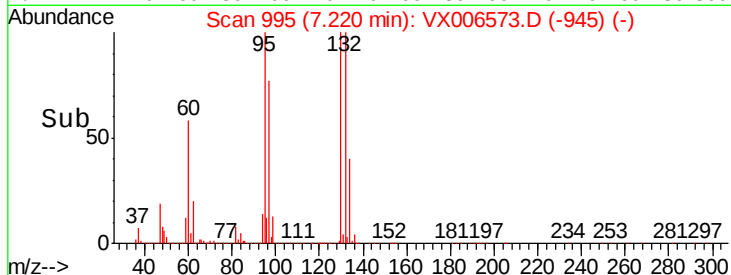
6000000

4000000

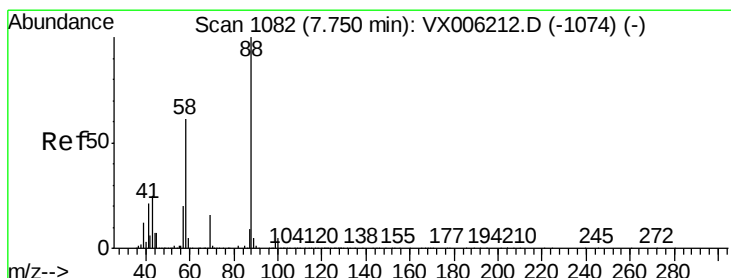
2000000

0

7.00 7.20 7.40



Time-->



#49

1,4-Dioxane

Concen: 13.417 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006573.D

Acq: 17 Dec 2018 15:25

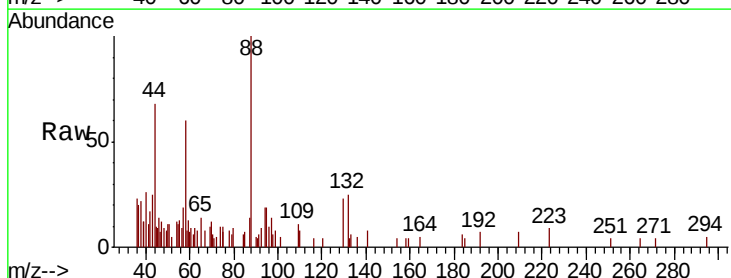
Tgt Ion: 88 Resp: 2775

Ion Ratio Lower Upper

88 100

43 41.9 23.2 34.8#

58 69.6 51.4 77.0



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

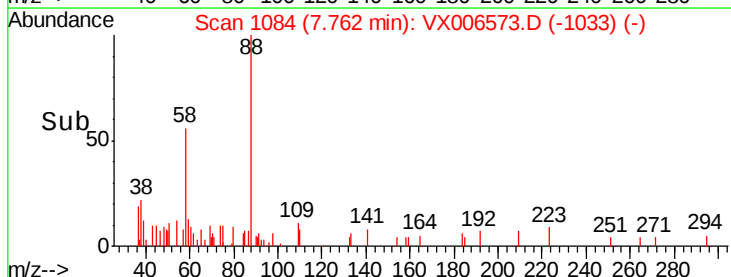
1500

1000

500

0

7.70 7.75 7.80 7.85



Time-->



#50

Toluene-d8

Concen: 49.759 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006573.D

Acq: 17 Dec 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

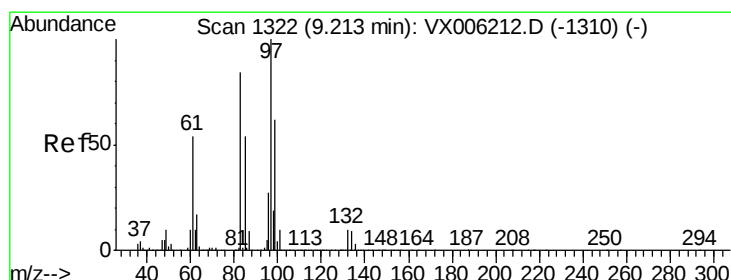
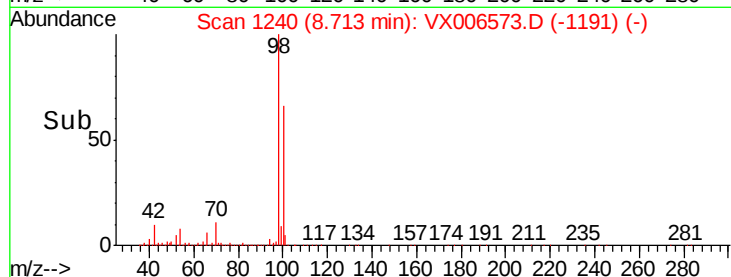
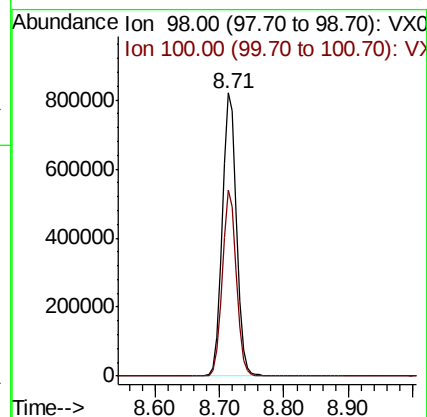
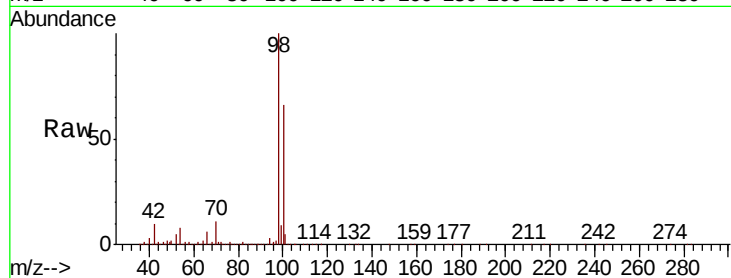
RE108D2-20181210

Tot Ion: 98 Resp: 1285625

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#55

1,1,2-Trichloroethane

Concen: 1.299 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006573.D

Acq: 17 Dec 2018 15:25

Tgt Ion: 97 Resp: 9607

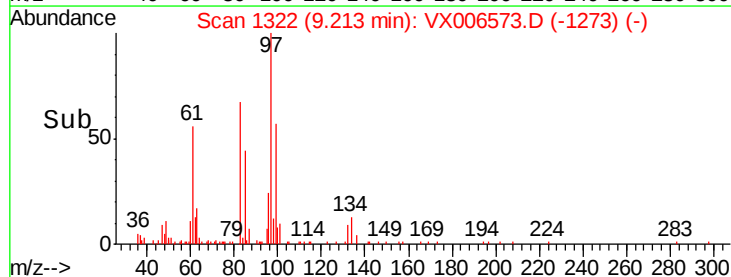
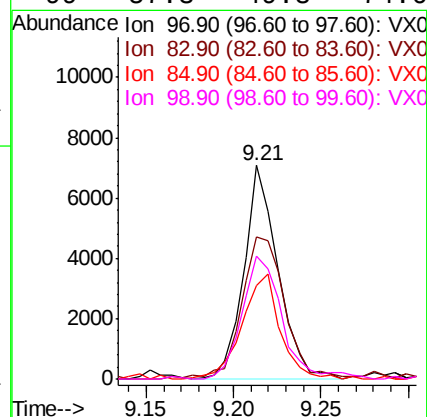
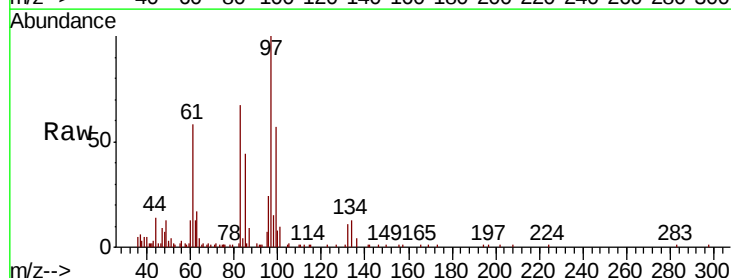
Ion Ratio Lower Upper

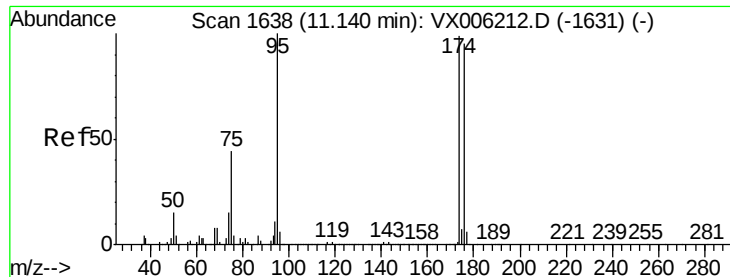
97 100

83 65.8 67.1 100.7#

85 43.8 43.2 64.8

99 57.3 49.8 74.6





#62

4-Bromofluorobenzene

Concen: 48.304 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006573.D

Acq: 17 Dec 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20181210

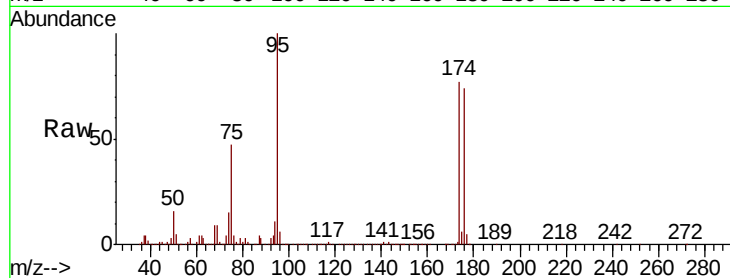
Tot Ion: 95 Resp: 470294

Ion Ratio Lower Upper

95 100

174 85.3 0.0 187.0

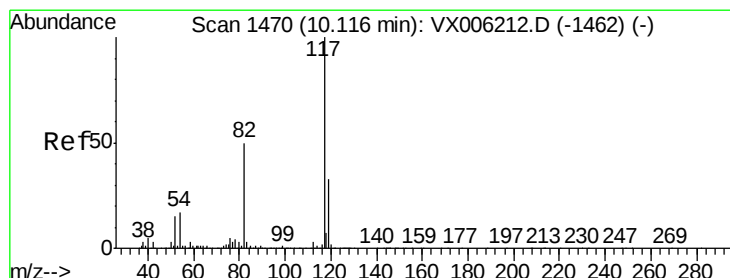
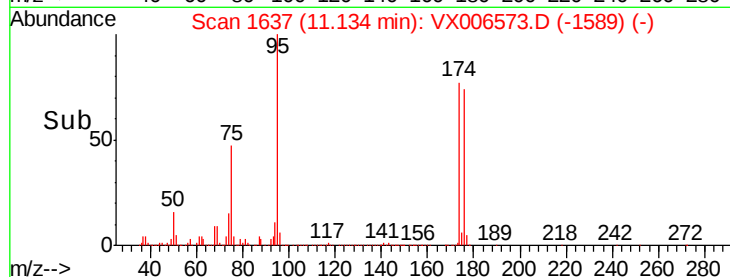
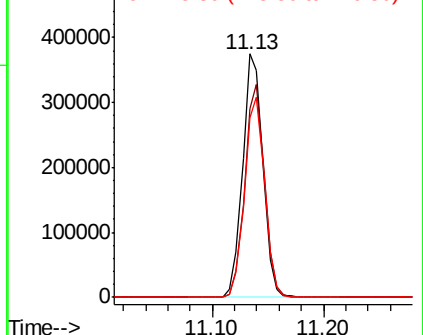
176 81.8 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006212.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006212.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006212.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006573.D

Acq: 17 Dec 2018 15:25

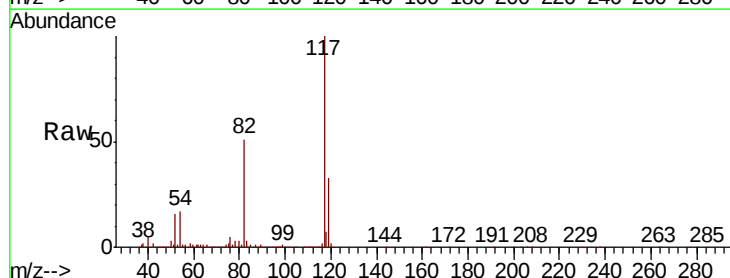
Tgt Ion: 117 Resp: 1000023

Ion Ratio Lower Upper

117 100

82 51.1 39.6 59.4

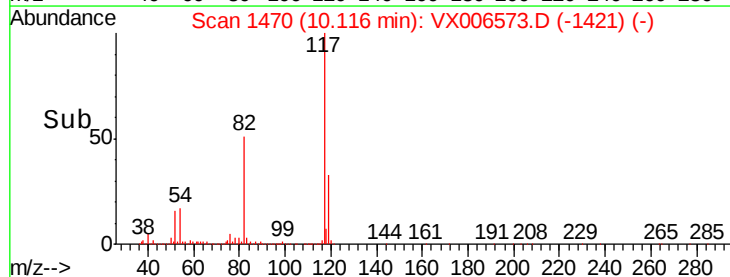
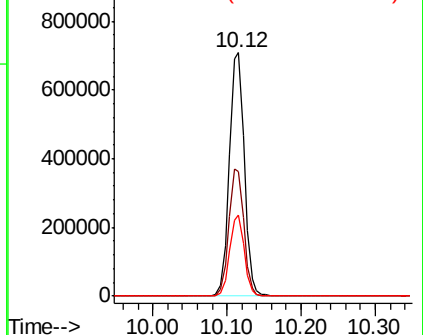
119 33.1 26.3 39.5

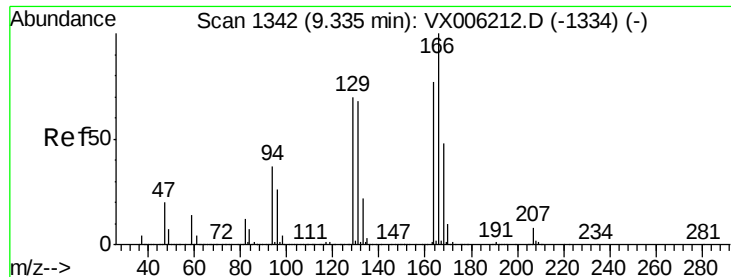


Abundance Ion 116.90 (116.60 to 117.60): VX006212.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006212.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006212.D (-1462) (-)





#64

Tetrachloroethene

Concen: 3.518 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX006573.D

Acq: 17 Dec 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20181210

Tot Ion:164 Resp: 26493

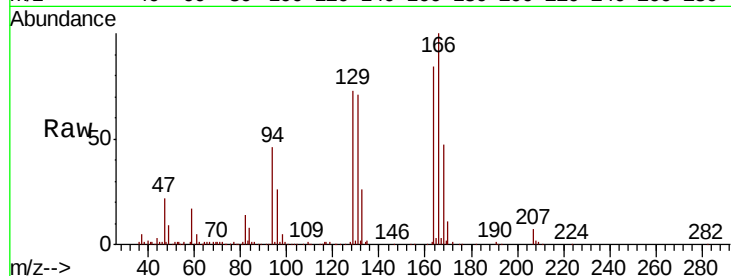
Ion Ratio Lower Upper

164 100

166 119.6 104.2 156.2

129 87.8 72.6 108.8

131 84.9 70.3 105.5

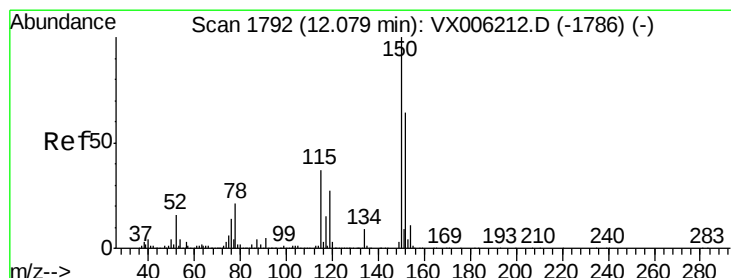
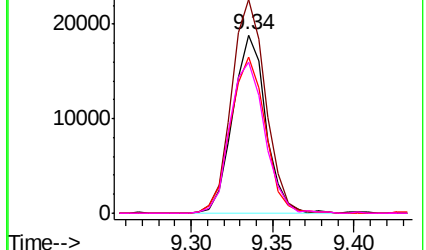
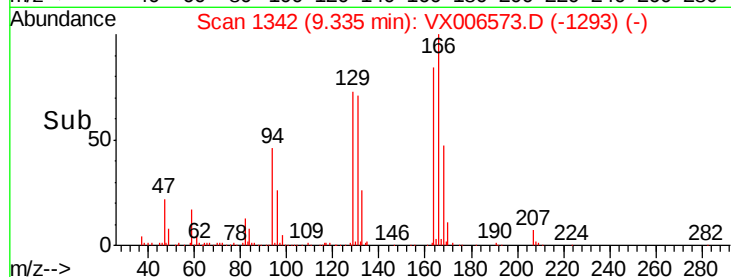


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX006573.D

Acq: 17 Dec 2018 15:25

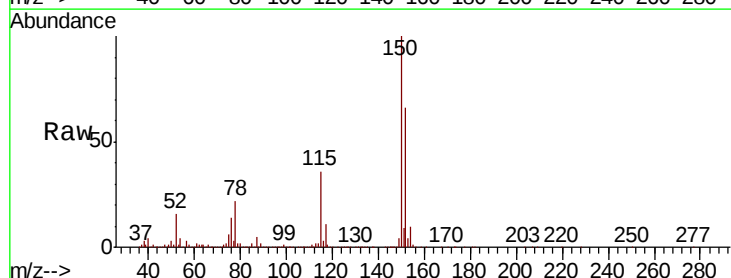
Tgt Ion:152 Resp: 475620

Ion Ratio Lower Upper

152 100

115 56.5 39.0 116.9

150 154.5 0.0 345.8



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

