

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006572.D
 Acq On : 17 Dec 2018 14:59
 Operator : JC/MD
 Sample : J6405-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20181210

Quant Time: Dec 18 00:39:44 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	683457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1081583	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	982832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	469861	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	376458	53.96	ug/l	0.00
Spiked Amount			Recovery	=	107.92%	
35) Dibromofluoromethane	5.50	113	329270	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	8.71	98	1292167	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.13	95	471092	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	

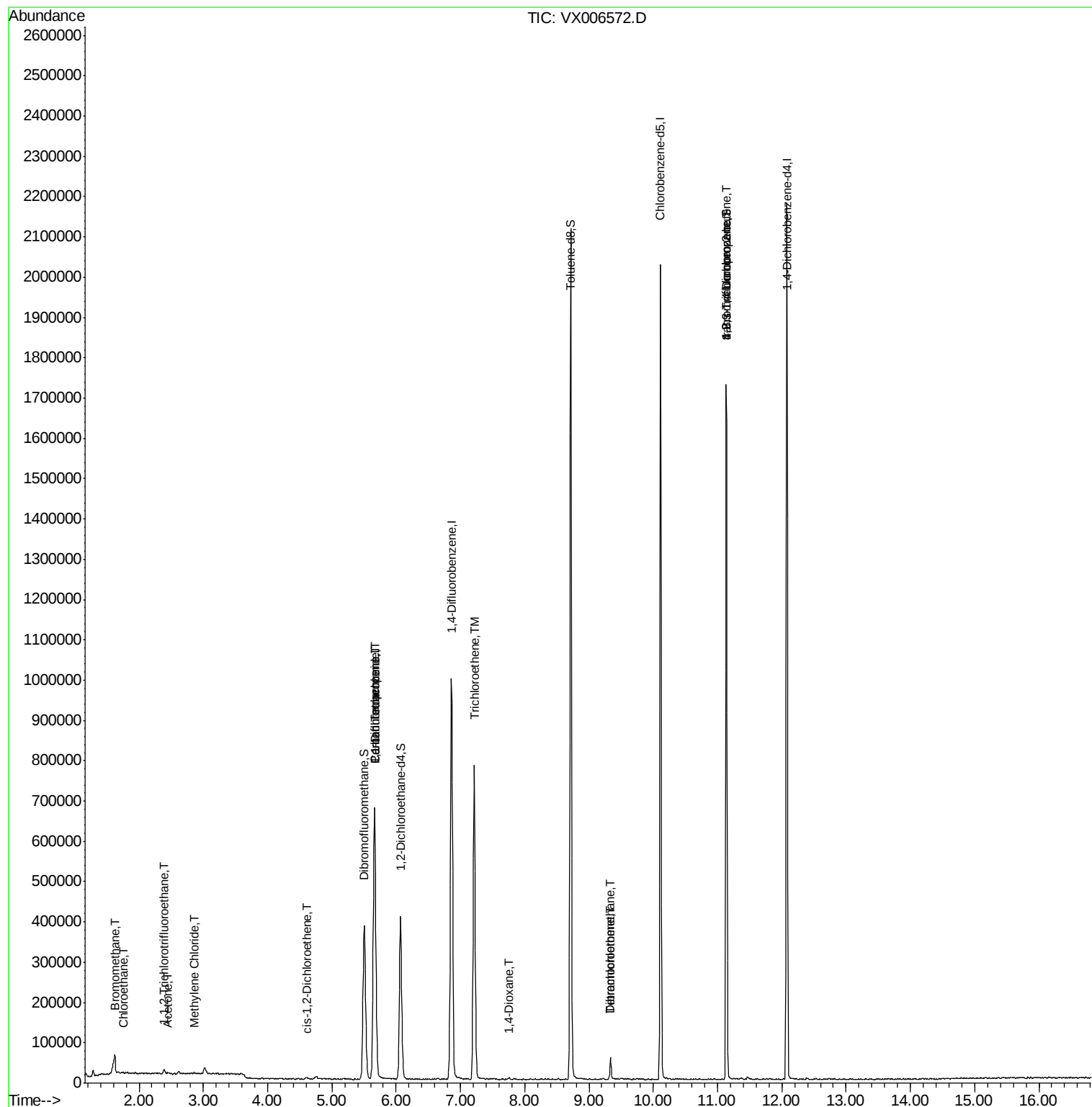
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	1574	0.307	ug/l #	47
6) Chloroethane	1.75	64	1002	0.221	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3538	0.548	ug/l	85
16) Acetone	2.44	43	2466	0.753	ug/l #	59
20) Methylene Chloride	2.86	84	1779	0.255	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	2526	0.344	ug/l	73
36) 1,1-Dichloropropene	5.66	75	44711	4.909	ug/l #	48
38) Carbon Tetrachloride	5.67	117	64613	6.030	ug/l #	17
44) Trichloroethene	7.21	130	315260	38.148	ug/l	97
49) 1,4-Dioxane	7.76	88	2818	13.820	ug/l #	70
60) Dibromochloromethane	9.34	129	10017	1.114	ug/l #	11
64) Tetrachloroethene	9.34	164	10898	1.472	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	218552	24.099	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	218552	56.553	ug/l #	15

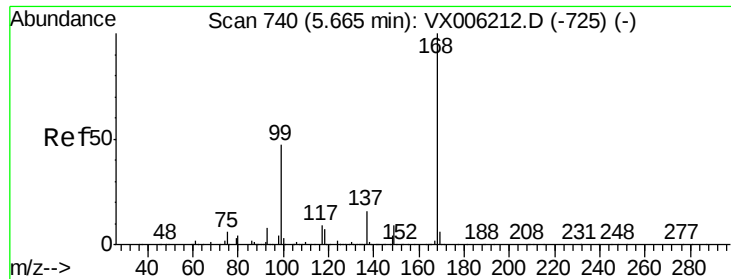
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121718\
Data File : VX006572.D
Acq On : 17 Dec 2018 14:59
Operator : JC/MD
Sample : J6405-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20181210

Quant Time: Dec 18 00:39:44 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: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

ClientSampleId :

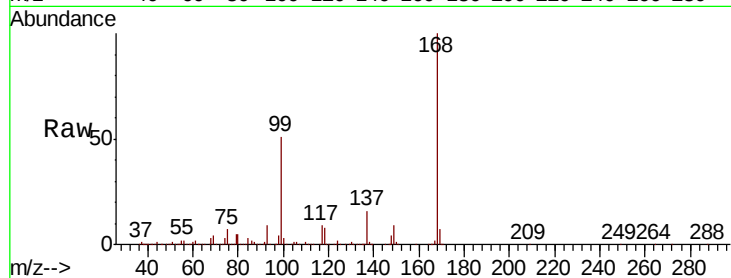
RE108D1-20181210

Tot Ion:168 Resp: 683457

Ion Ratio Lower Upper

168 100

99 51.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

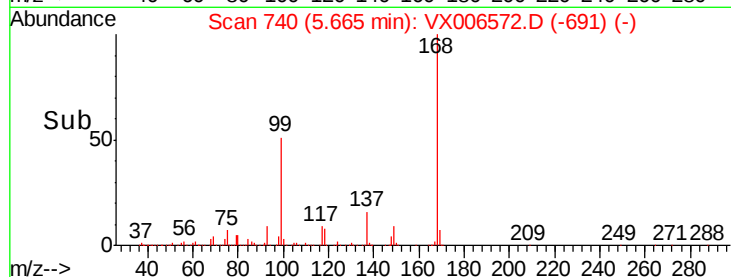
100000

50000

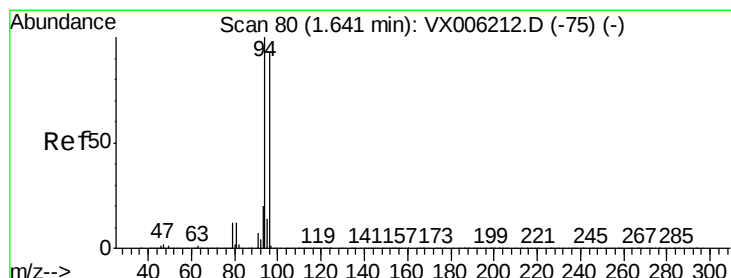
0

5.67

5.50 5.60 5.70 5.80



Time-->



#5

Bromomethane

Concen: 0.307 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX006572.D

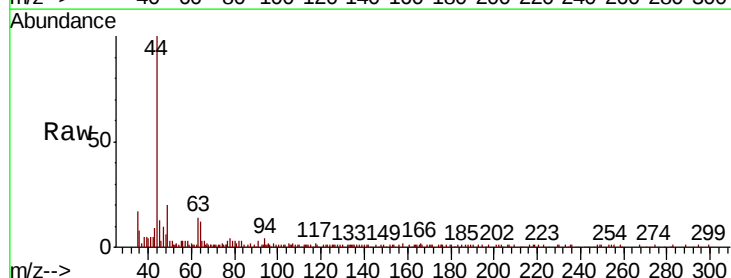
Acq: 17 Dec 2018 14:59

Tgt Ion: 94 Resp: 1574

Ion Ratio Lower Upper

94 100

96 42.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

300

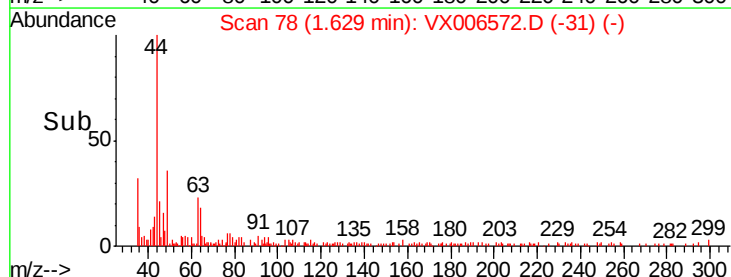
200

100

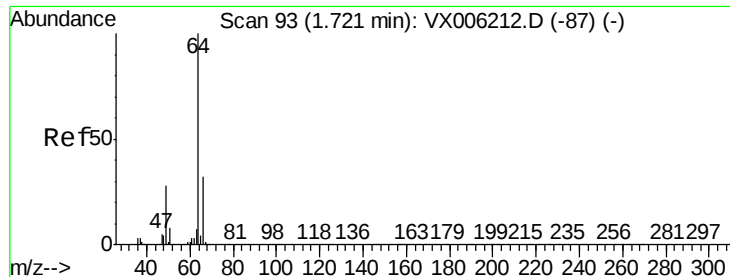
0

1.63

1.55 1.60 1.65



Time-->



#6

Chloroethane

Concen: 0.221 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.03 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

ClientSampleId :

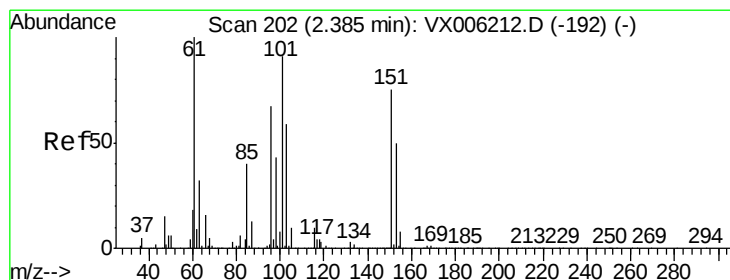
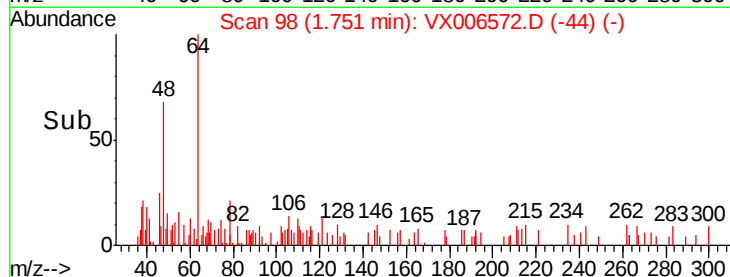
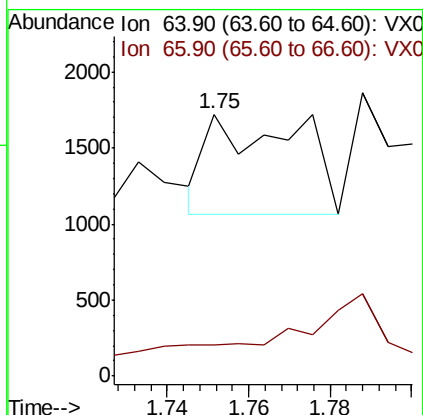
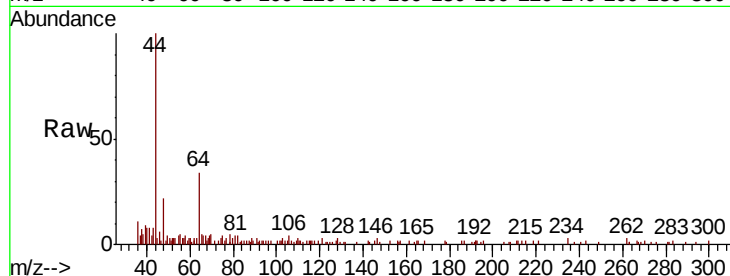
RE108D1-20181210

Tot Ion: 64 Resp: 1002

Ion Ratio Lower Upper

64 100

66 0.6 25.9 38.9#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.548 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

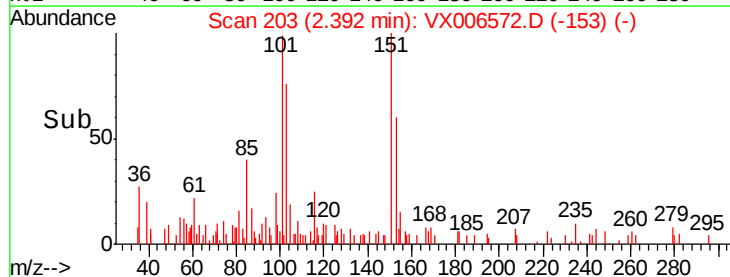
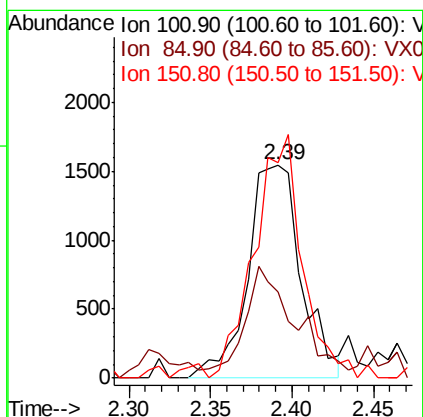
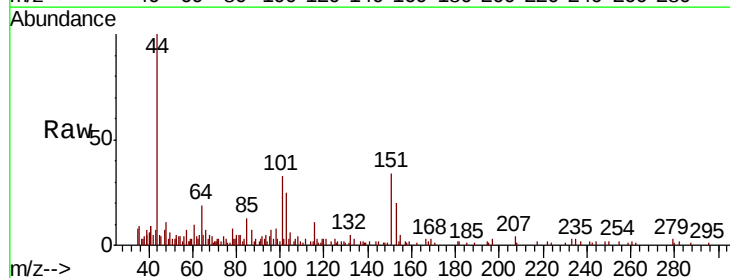
Tgt Ion: 101 Resp: 3538

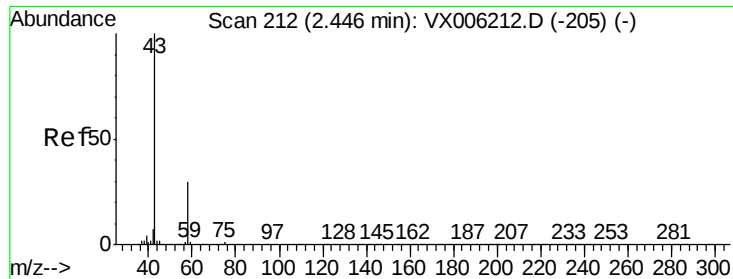
Ion Ratio Lower Upper

101 100

85 49.9 35.5 53.3

151 102.2 68.6 103.0





#16

Acetone

Concen: 0.753 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

ClientSampleId :

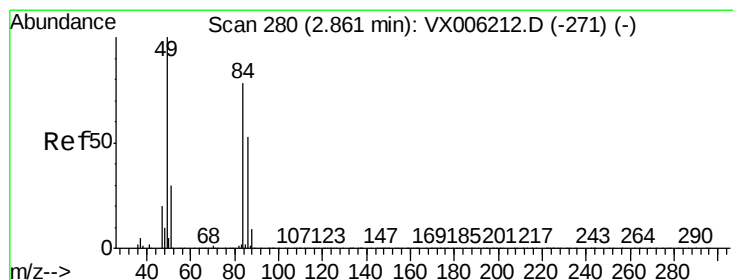
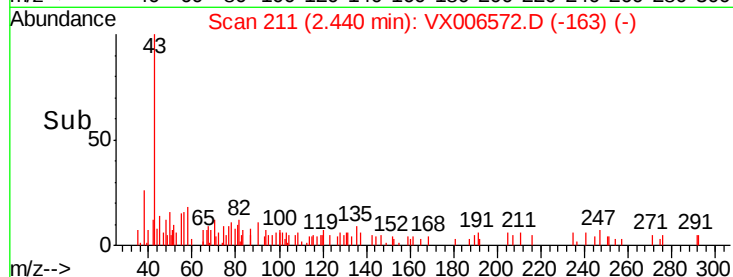
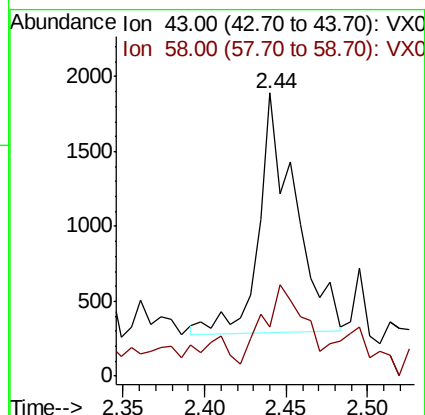
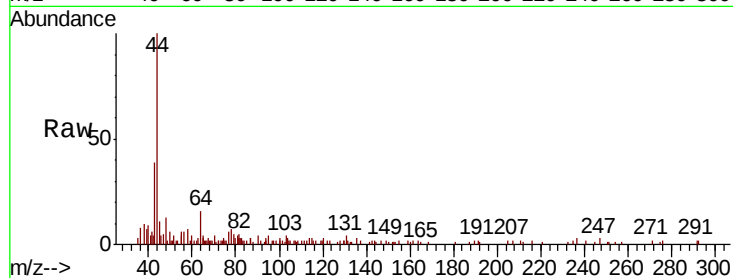
RE108D1-20181210

Tot Ion: 43 Resp: 2466

Ion Ratio Lower Upper

43 100

58 7.6 24.0 36.0#



#20

Methylene Chloride

Concen: 0.255 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Tgt Ion: 84 Resp: 1779

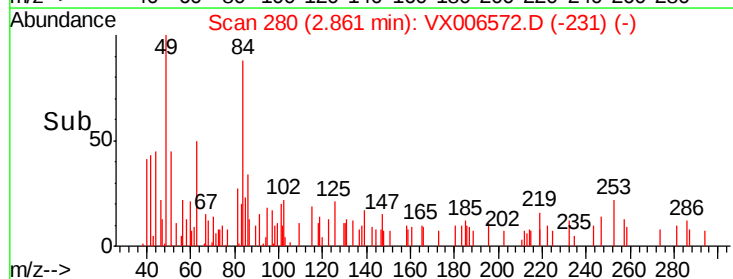
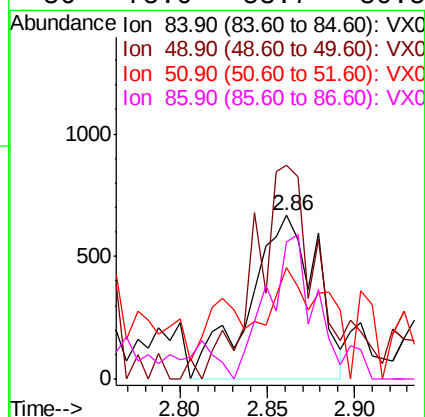
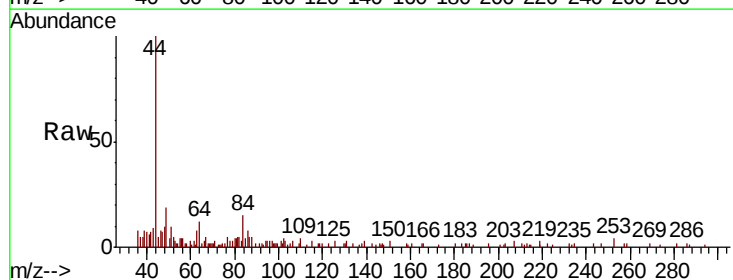
Ion Ratio Lower Upper

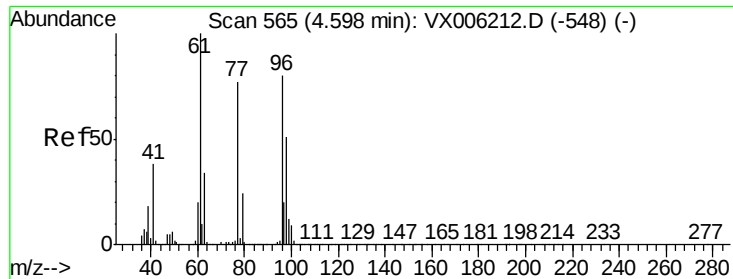
84 100

49 118.3 102.2 153.4

51 43.1 31.1 46.7

86 75.0 53.7 80.5



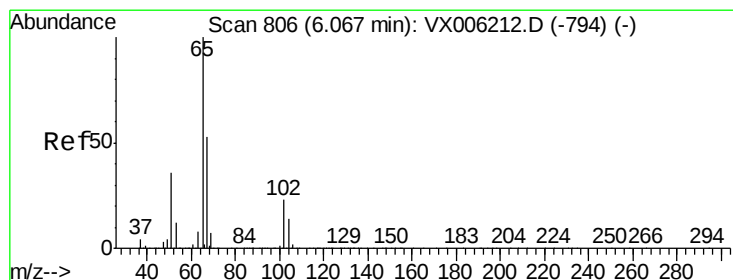
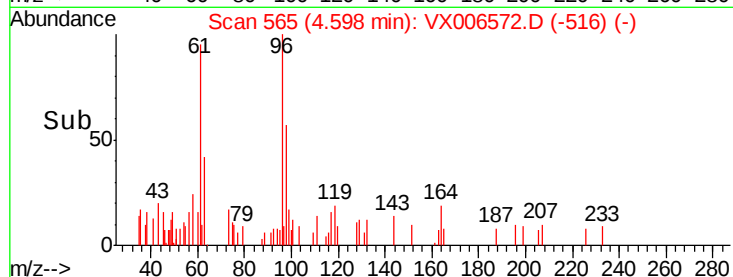
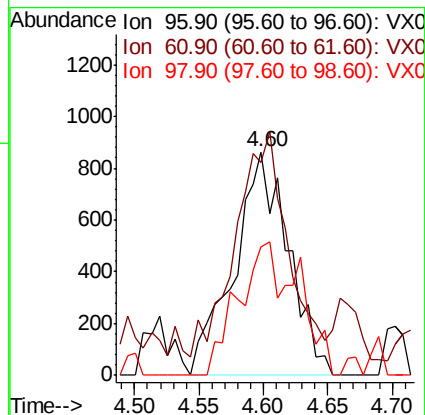
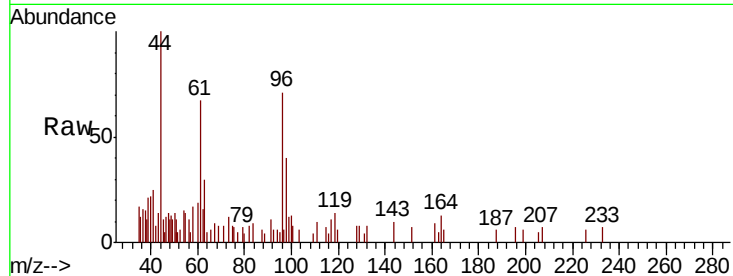


#27

cis-1,2-Dichloroethene
Concen: 0.344 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006572.D
Acq: 17 Dec 2018 14:59

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20181210

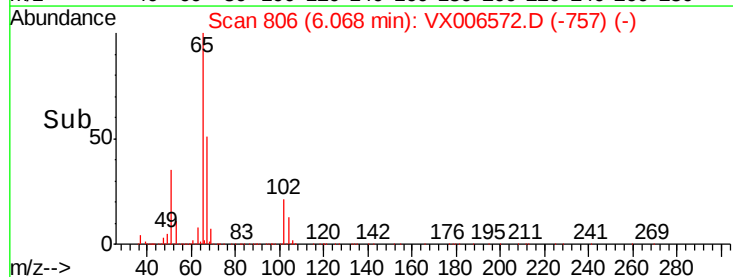
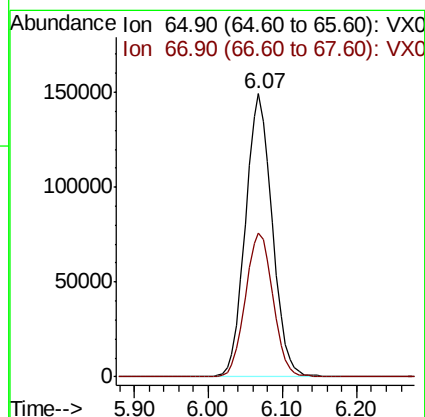
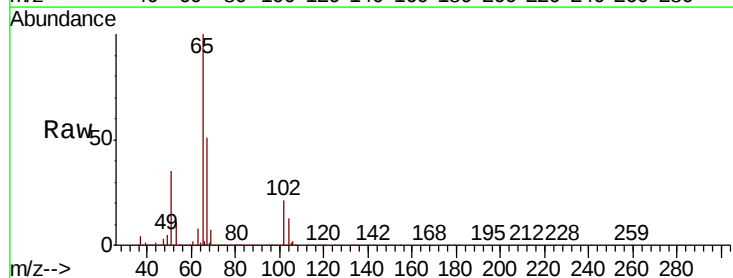
Tot Ion: 96 Resp: 2526
Ion Ratio Lower Upper
96 100
61 98.5 0.0 265.0
98 46.5 0.0 130.2

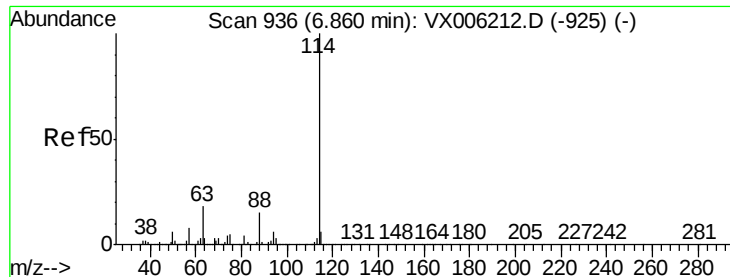


#33

1,2-Dichloroethane-d4
Concen: 53.957 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006572.D
Acq: 17 Dec 2018 14:59

Tgt Ion: 65 Resp: 376458
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.2

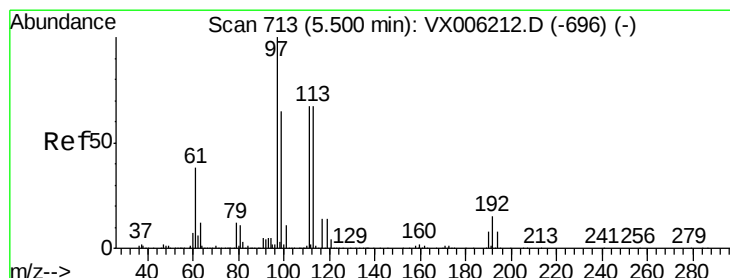
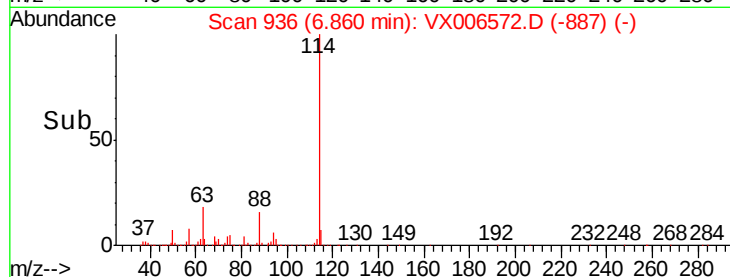
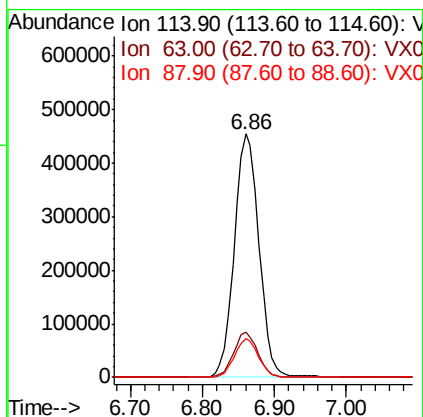
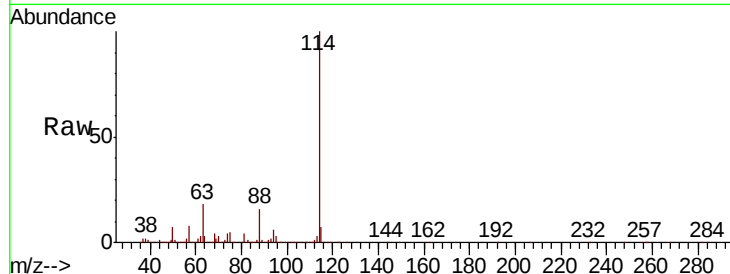




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006572.D
 Acq: 17 Dec 2018 14:59

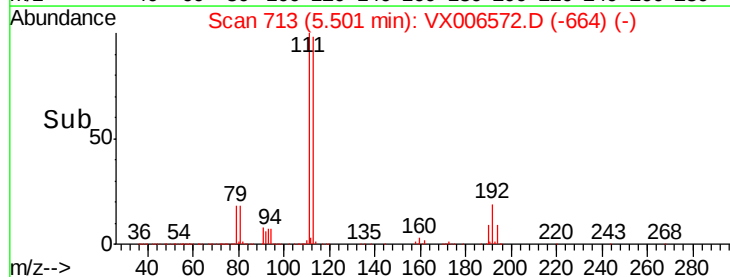
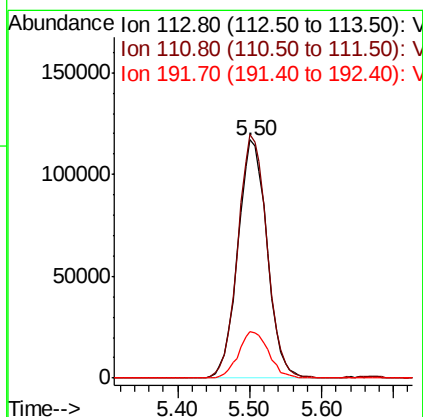
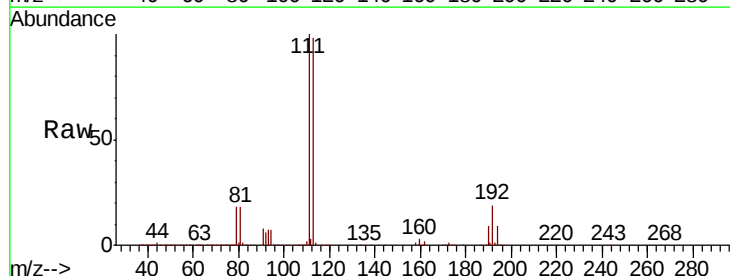
Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20181210

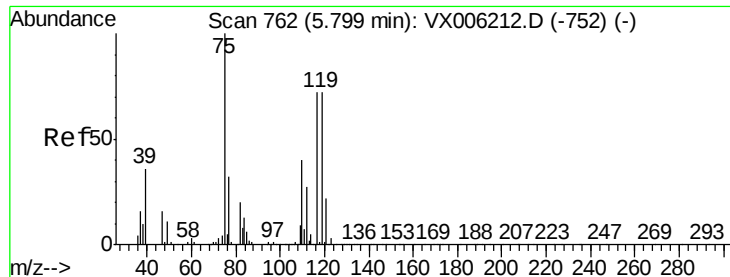
Tot Ion:114 Resp: 1081583
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.6
 88 15.9 0.0 29.0



#35
 Dibromofluoromethane
 Concen: 47.020 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006572.D
 Acq: 17 Dec 2018 14:59

Tgt Ion:113 Resp: 329270
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.1 121.7
 192 20.0 18.2 27.2

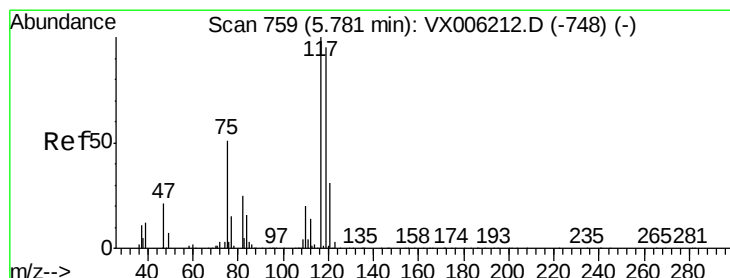
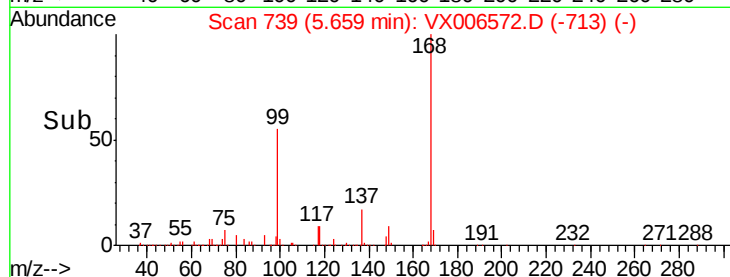
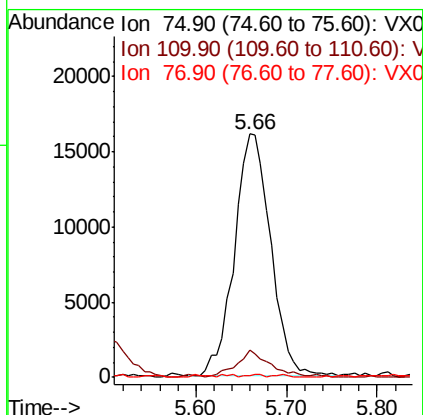
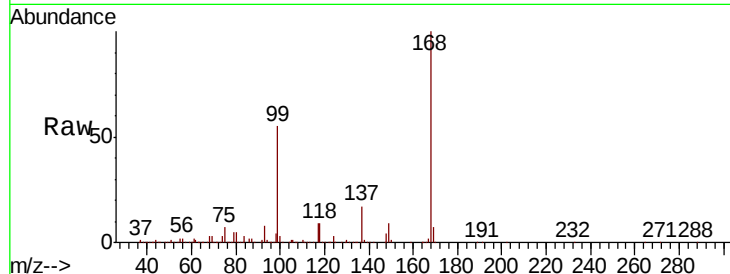




#36
 1,1-Dichloropropene
 Concen: 4.909 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006572.D
 Acq: 17 Dec 2018 14:59

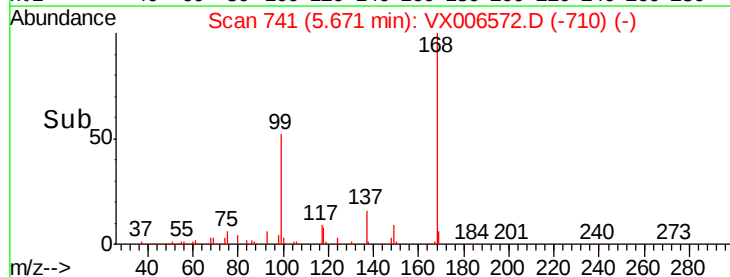
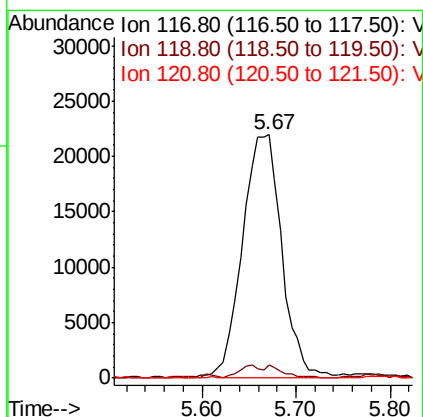
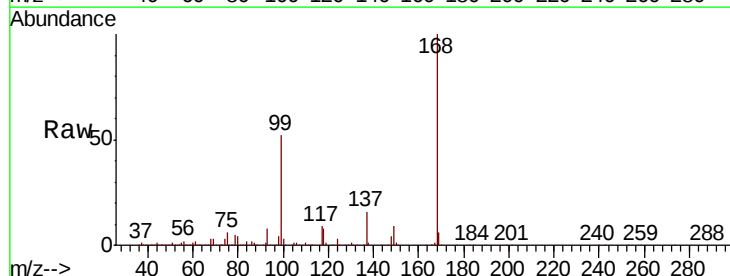
Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20181210

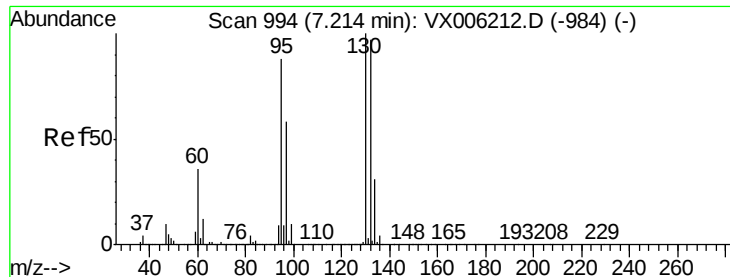
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	20.4	61.3#
77	0.5	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.030 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.11 min
 Lab File: VX006572.D
 Acq: 17 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.8	113.8#
121	0.0	24.6	37.0#





#44

Trichloroethene

Concen: 38.148 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

ClientSampleId :

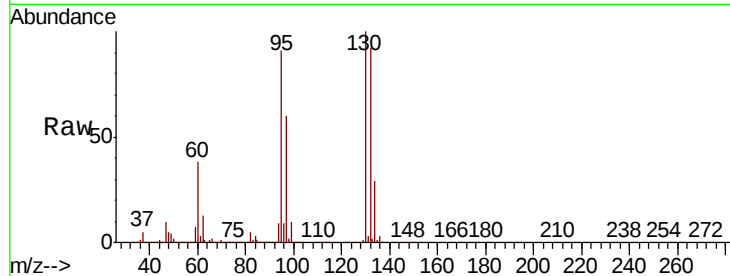
RE108D1-20181210

Tot Ion:130 Resp: 315260

Ion Ratio Lower Upper

130 100

95 90.7 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

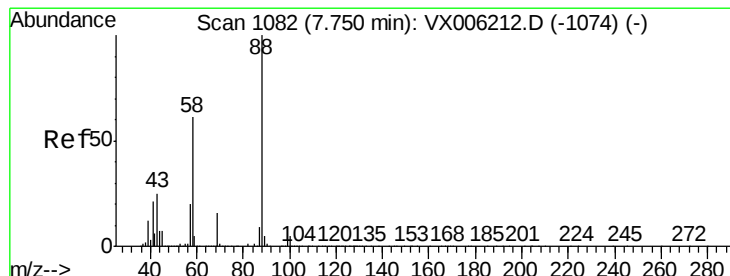
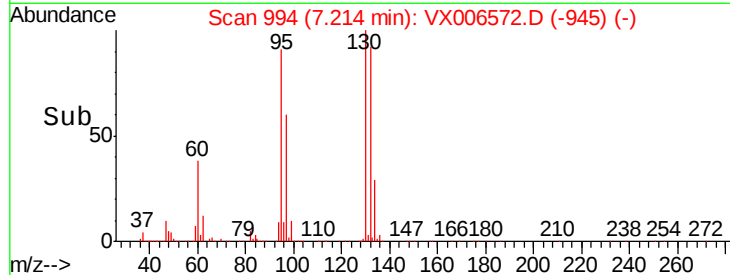
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 13.820 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

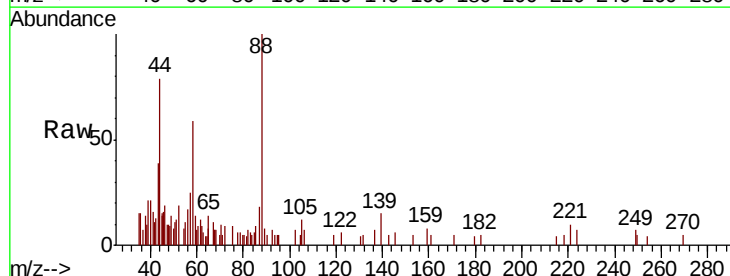
Tgt Ion: 88 Resp: 2818

Ion Ratio Lower Upper

88 100

43 57.8 23.2 34.8#

58 49.6 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

7.76

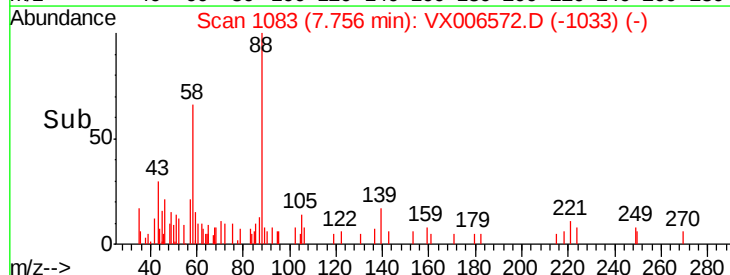
1500

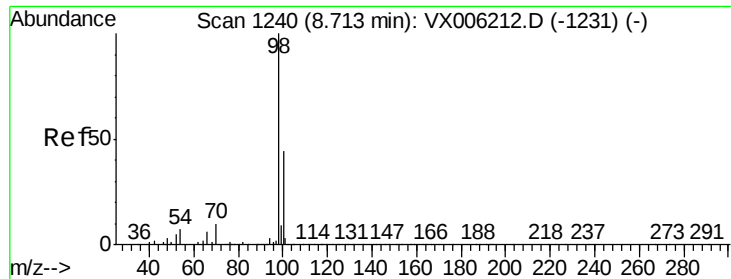
1000

500

0

Time-->





#50

Toluene-d8

Concen: 50.728 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

ClientSampleId :

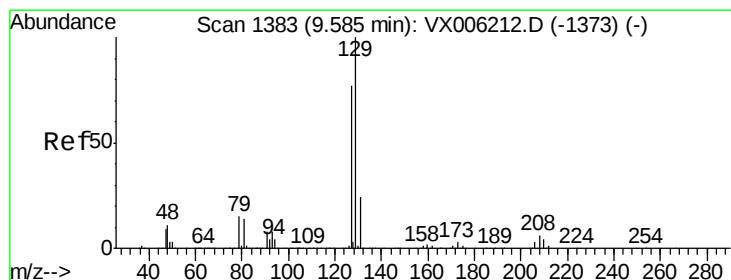
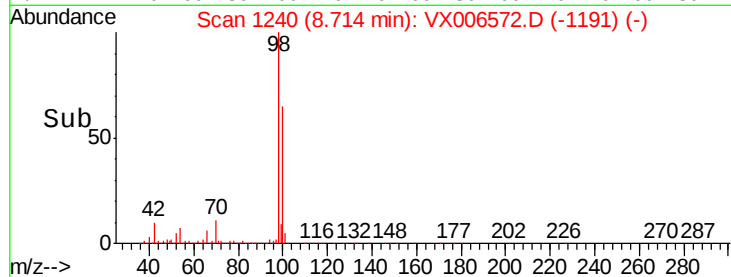
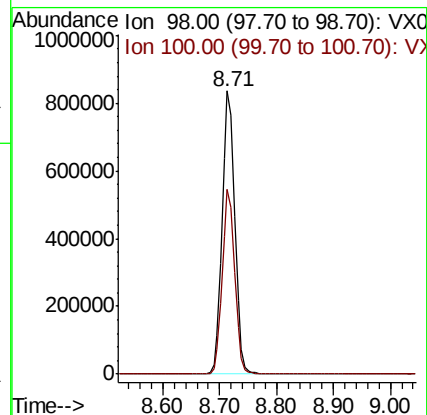
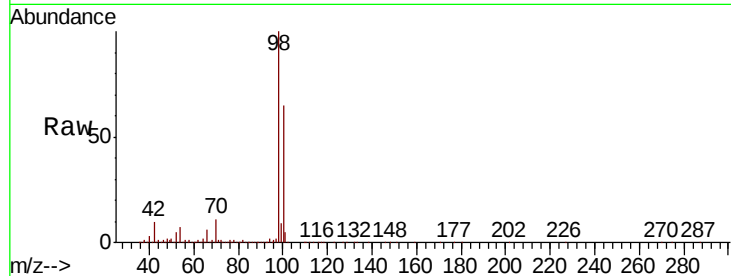
RE108D1-20181210

Tot Ion: 98 Resp: 1292167

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#60

Dibromochloromethane

Concen: 1.114 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX006572.D

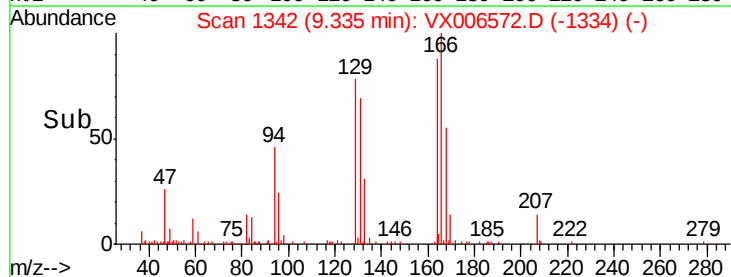
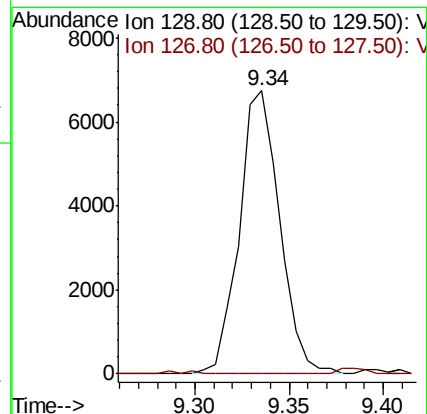
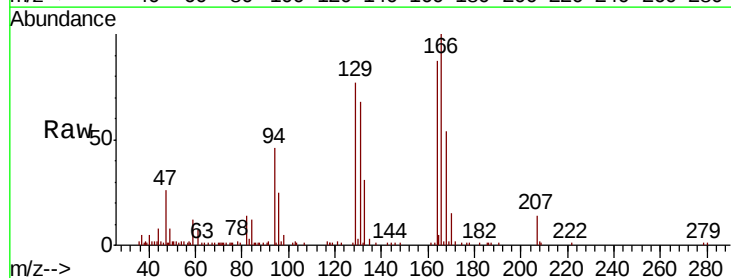
Acq: 17 Dec 2018 14:59

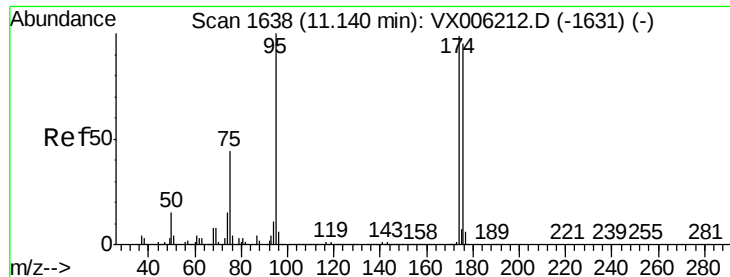
Tgt Ion: 129 Resp: 10017

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#

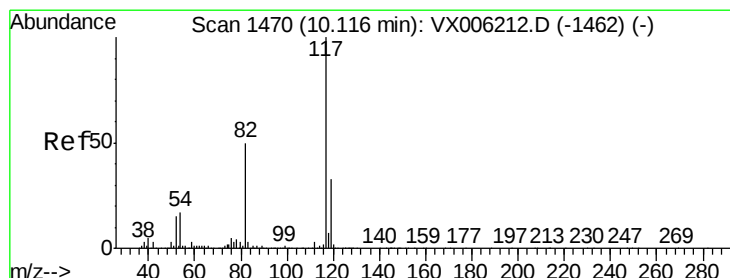
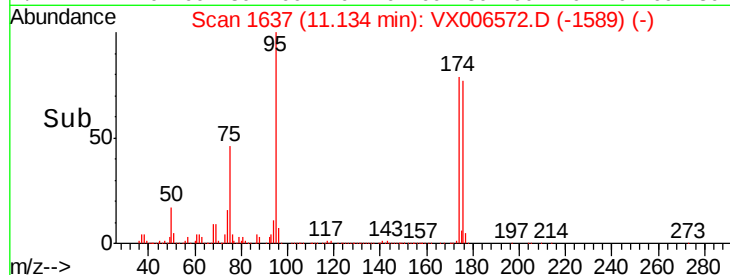
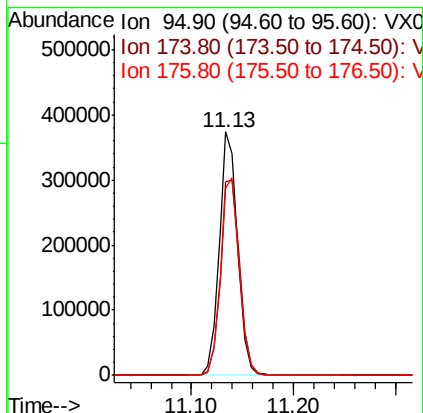
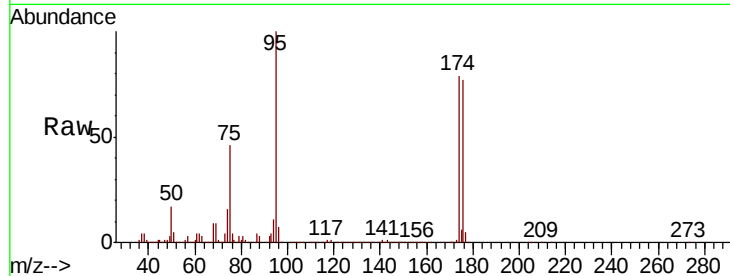




#62
4-Bromofluorobenzene
Concen: 49.079 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006572.D
Acq: 17 Dec 2018 14:59

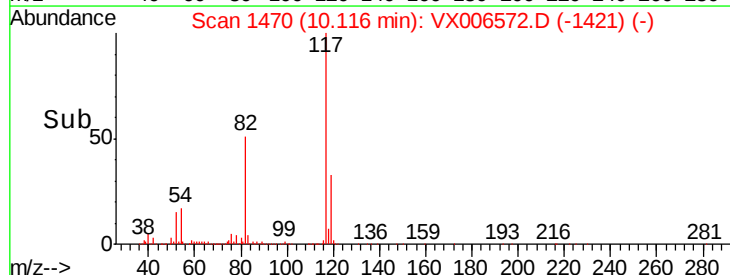
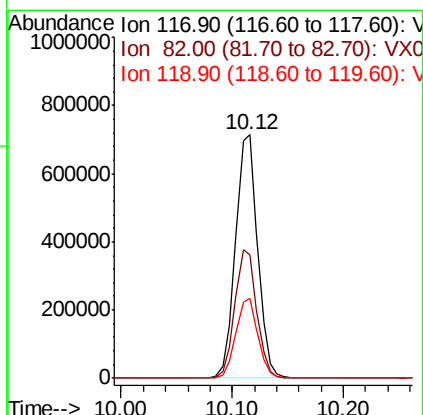
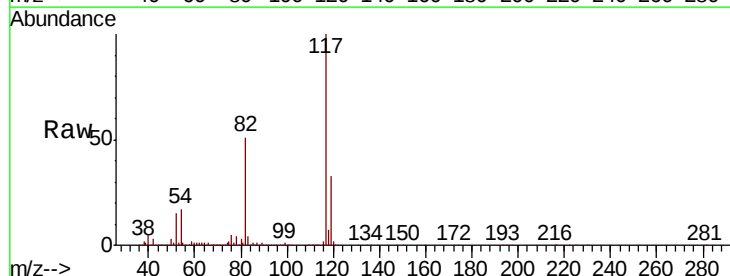
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20181210

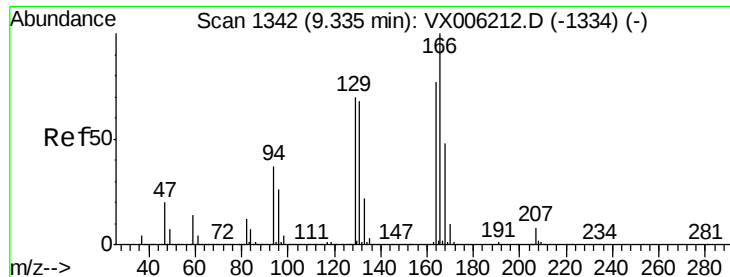
Tot Ion: 95 Resp: 471092
Ion Ratio Lower Upper
95 100
174 84.4 0.0 187.0
176 82.1 0.0 181.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006572.D
Acq: 17 Dec 2018 14:59

Tgt Ion: 117 Resp: 982832
Ion Ratio Lower Upper
117 100
82 50.7 39.6 59.4
119 32.7 26.3 39.5





#64

Tetrachloroethene

Concen: 1.472 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20181210

Tot Ion:164 Resp: 10898

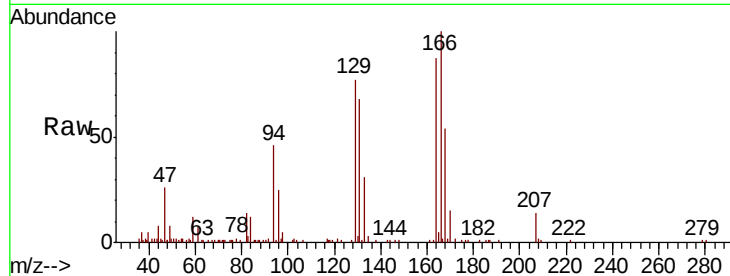
Ion Ratio Lower Upper

164 100

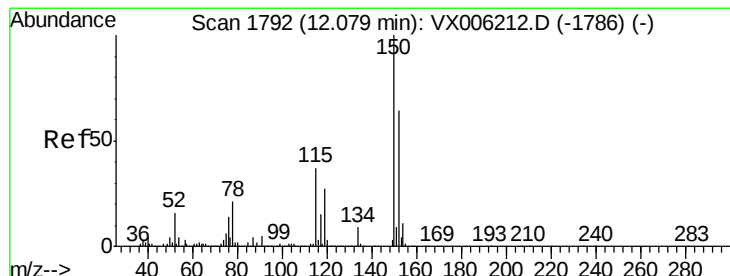
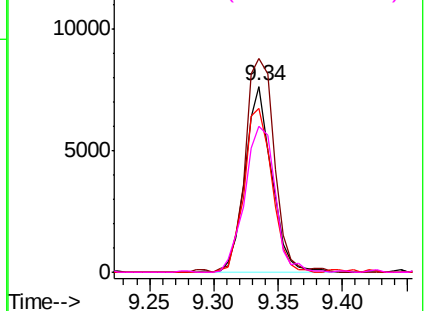
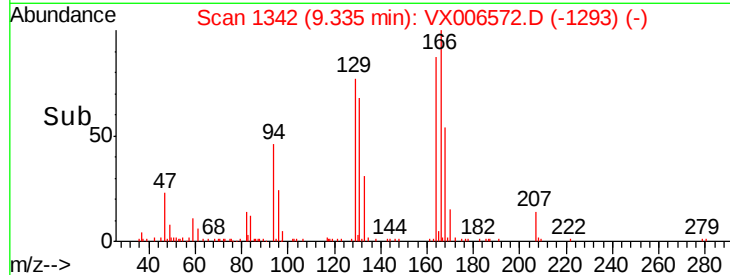
166 115.0 104.2 156.2

129 88.5 72.6 108.8

131 77.9 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: VX006572.D

Acq: 17 Dec 2018 14:59

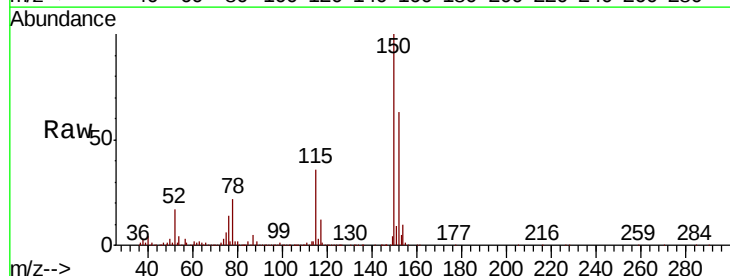
Tgt Ion:152 Resp: 469861

Ion Ratio Lower Upper

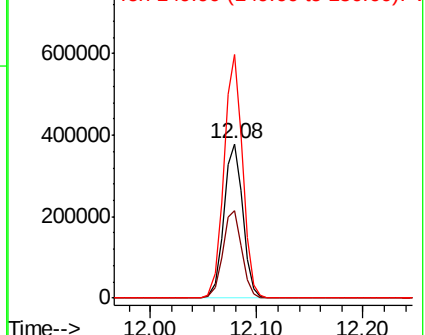
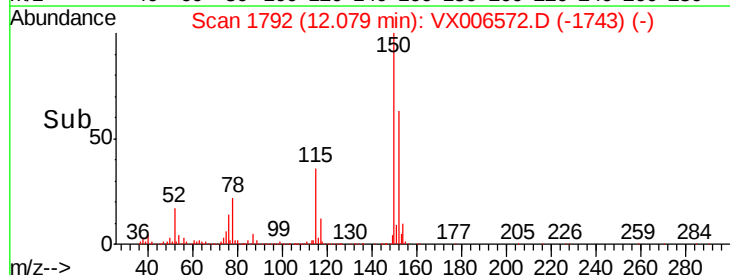
152 100

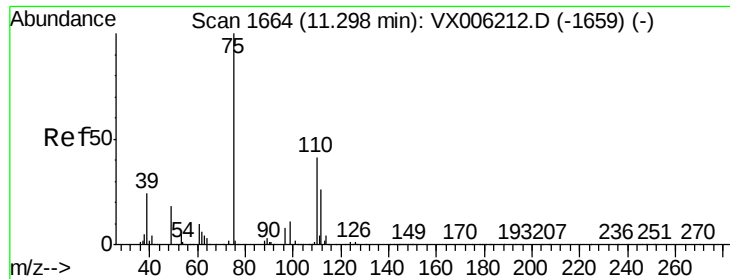
115 57.0 39.0 116.9

150 155.6 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





#76

1,2,3-Trichloropropane

Concen: 24.099 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

ClientSampleId :

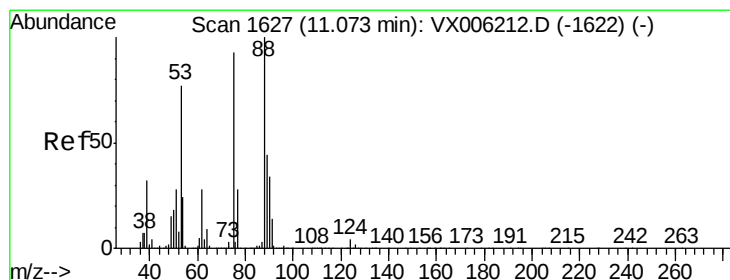
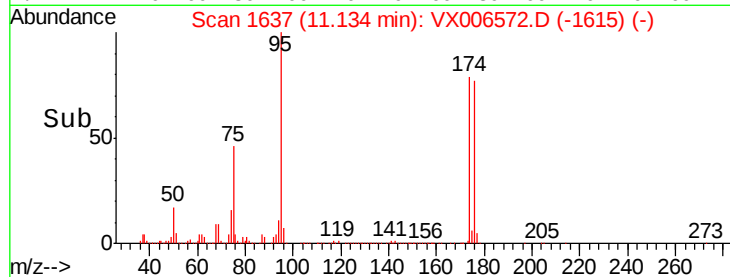
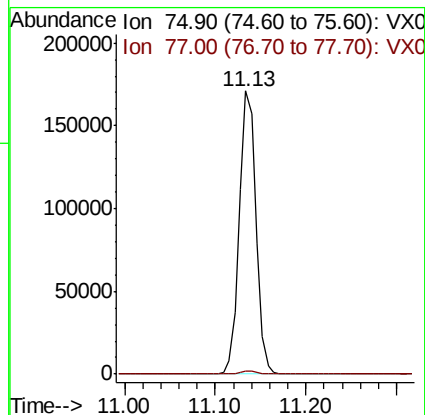
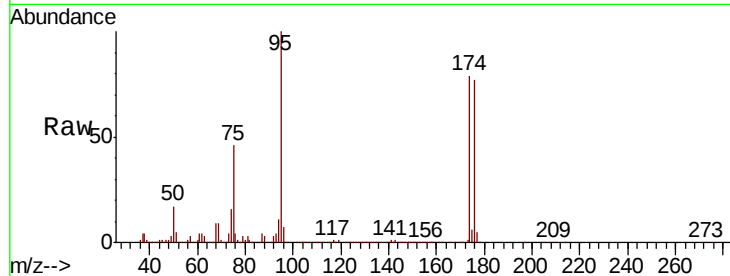
RE108D1-20181210

Tot Ion: 75 Resp: 218552

Ion Ratio Lower Upper

75 100

77 1.4 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.553 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Tgt Ion: 75 Resp: 218552

Ion Ratio Lower Upper

75 100

53 0.2 64.4 96.6#

89 0.1 44.2 66.4#

