

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006395.D
 Acq On : 11 Dec 2018 03:18
 Operator : JC/MD
 Sample : J6324-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-103D1-20181205

Quant Time: Dec 11 06:01:19 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	712228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1088660	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	988599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	468968	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	365044	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	5.51	113	337026	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
50) Toluene-d8	8.71	98	1258103	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.14	95	468993	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	

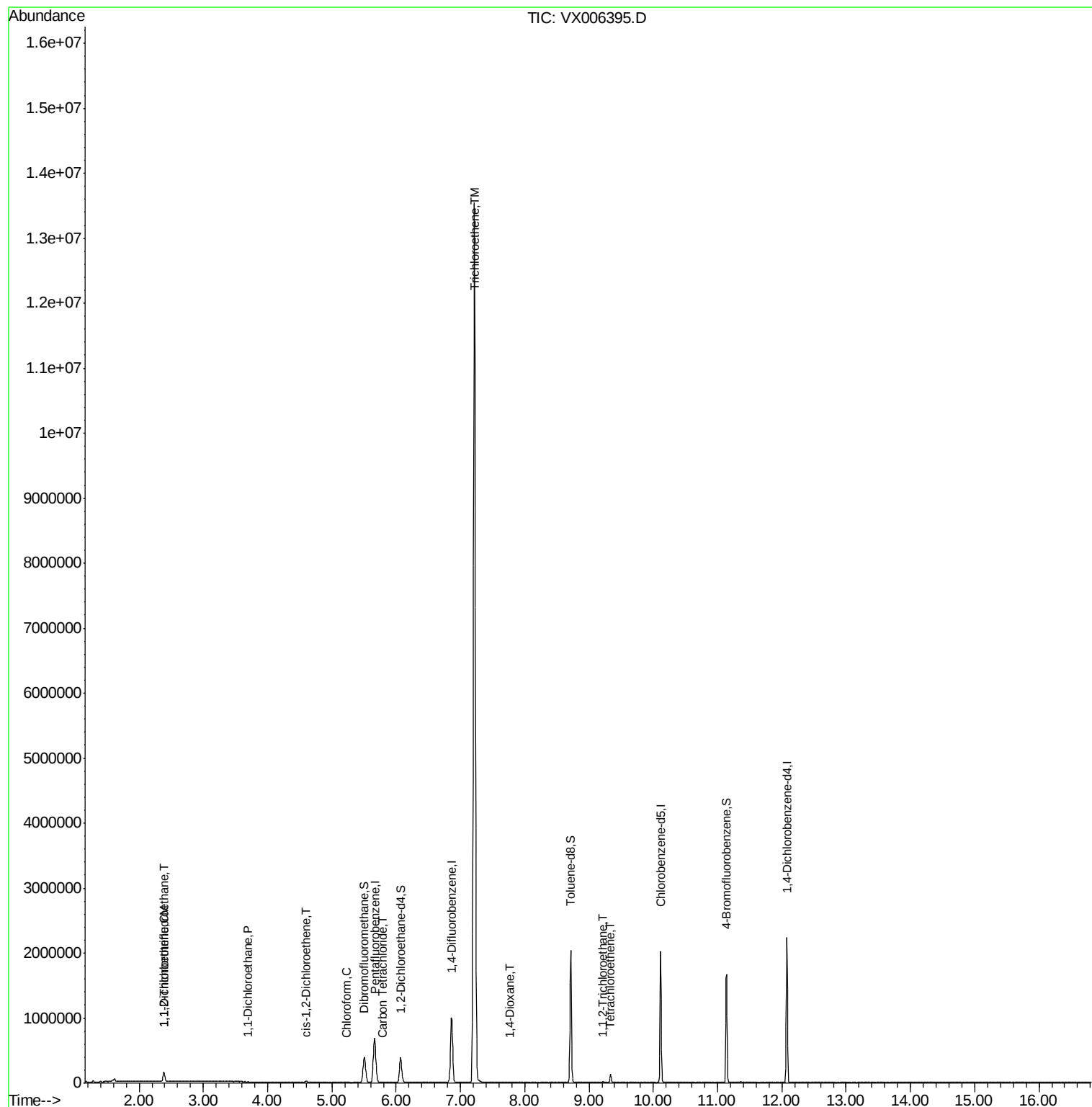
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41187	6.118	ug/l	99
12) 1,1-Dichloroethene	2.38	96	25470	3.952	ug/l	99
24) 1,1-Dichloroethane	3.70	63	10351	0.911	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	12525	1.635	ug/l	83
30) Chloroform	5.21	83	9253	0.775	ug/l	94
38) Carbon Tetrachloride	5.79	117	4756	0.441	ug/l	86
44) Trichloroethene	7.22	130	5563850	668.879	ug/l	96
49) 1,4-Dioxane	7.76	88	4372	21.302	ug/l #	93
55) 1,1,2-Trichloroethane	9.21	97	4929	0.672	ug/l	95
64) Tetrachloroethene	9.34	164	25291	3.397	ug/l	94

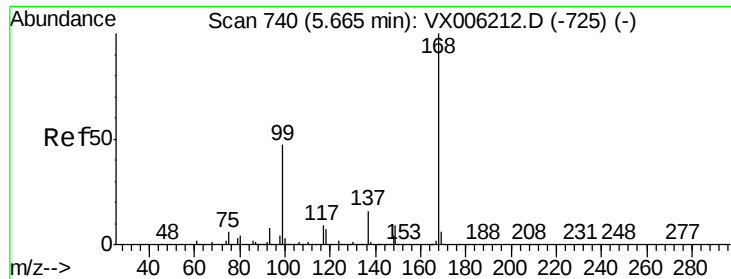
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121018\
Data File : VX006395.D
Acq On : 11 Dec 2018 03:18
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RE-103D1-20181205

Quant Time: Dec 11 06:01:19 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: VX006395.D

Acq: 11 Dec 2018 03:18

Instrument :

MSVOA_X

ClientSampleId :

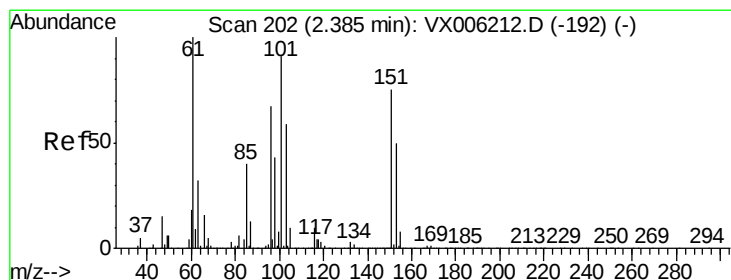
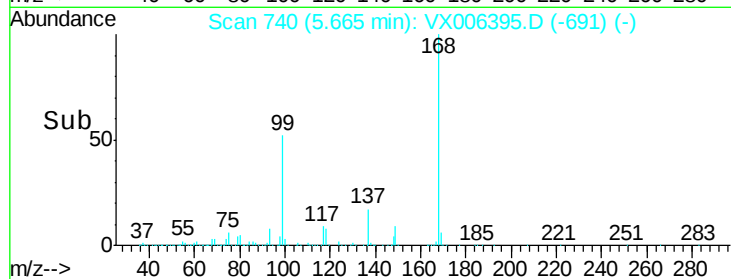
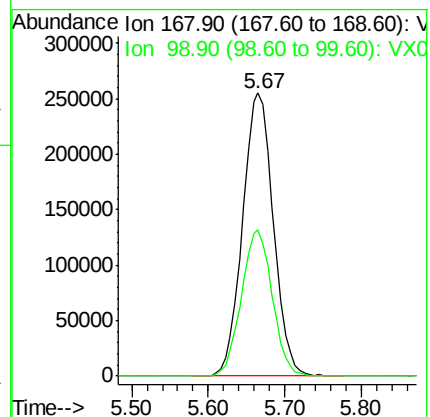
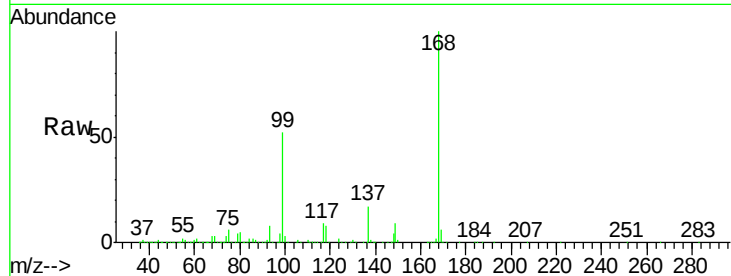
RE-103D1-20181205

Tot Ion:168 Resp: 712228

Ion Ratio Lower Upper

168 100

99 51.8 37.8 56.8



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.118 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006395.D

Acq: 11 Dec 2018 03:18

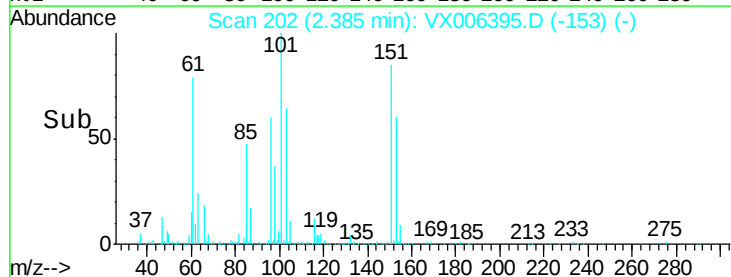
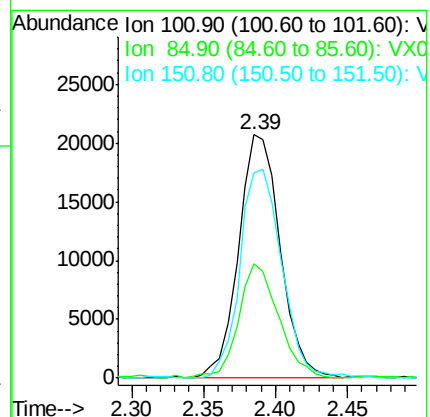
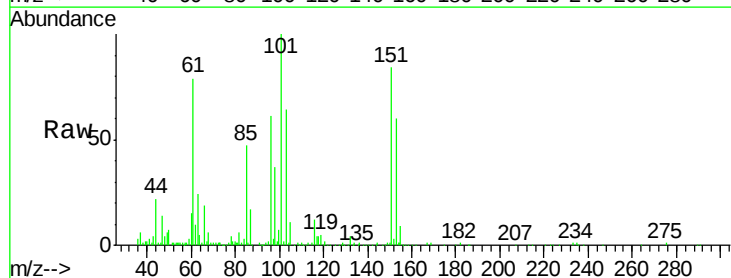
Tgt Ion:101 Resp: 41187

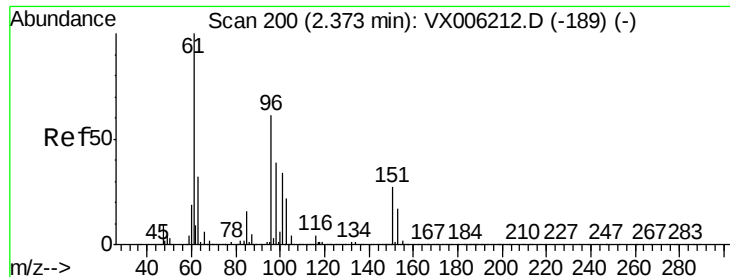
Ion Ratio Lower Upper

101 100

85 45.0 35.5 53.3

151 87.2 68.6 103.0





#12

1,1-Dichloroethene

Concen: 3.952 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX006395.D

Acq: 11 Dec 2018 03:18

Instrument :

MSVOA_X

ClientSampleId :

RE-103D1-20181205

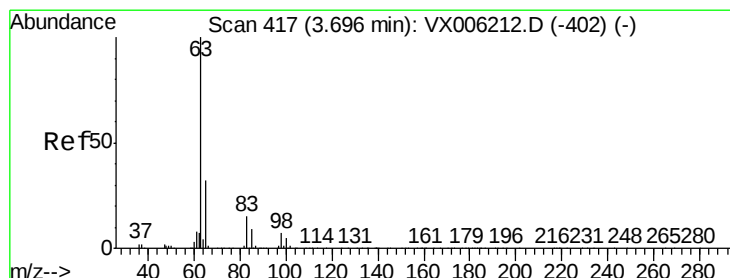
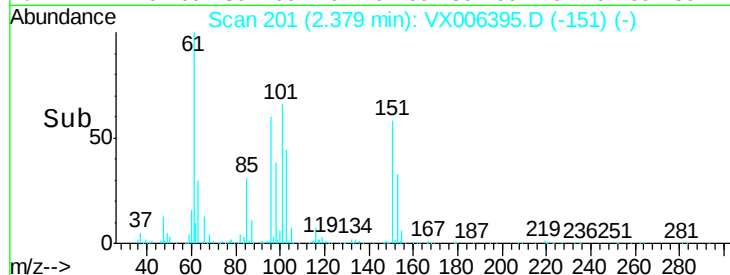
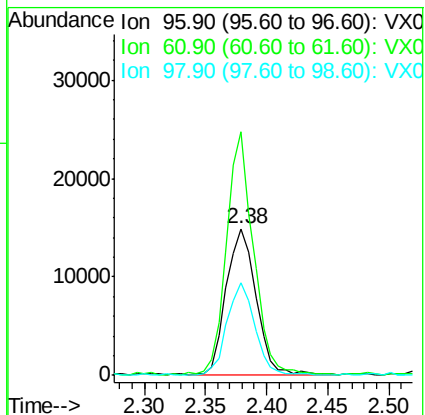
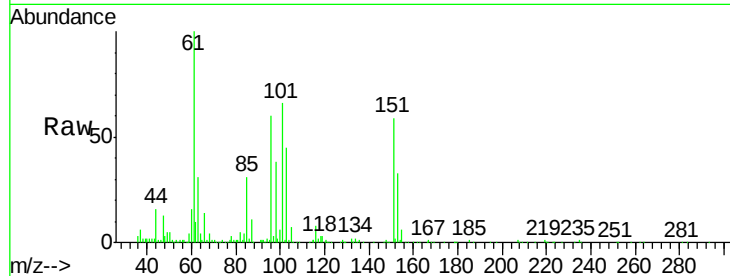
Tot Ion: 96 Resp: 25470

Ion Ratio Lower Upper

96 100

61 165.3 131.7 197.5

98 62.5 51.8 77.6



#24

1,1-Dichloroethane

Concen: 0.911 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006395.D

Acq: 11 Dec 2018 03:18

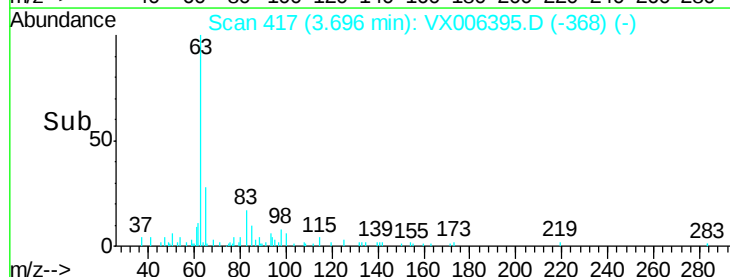
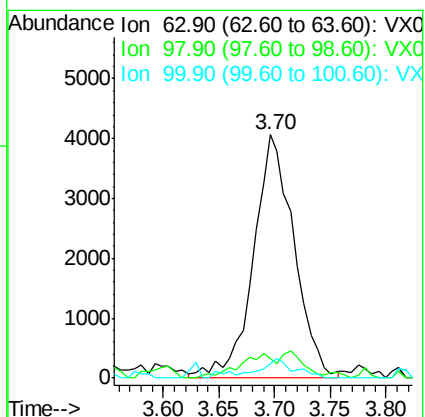
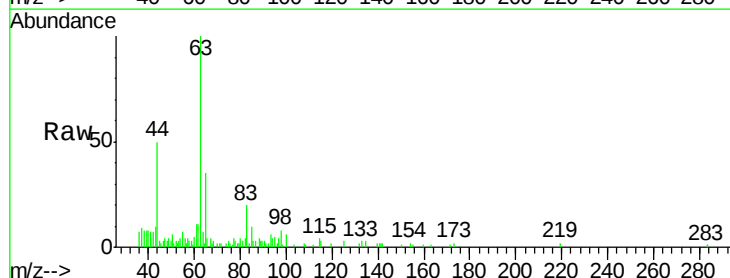
Tgt Ion: 63 Resp: 10351

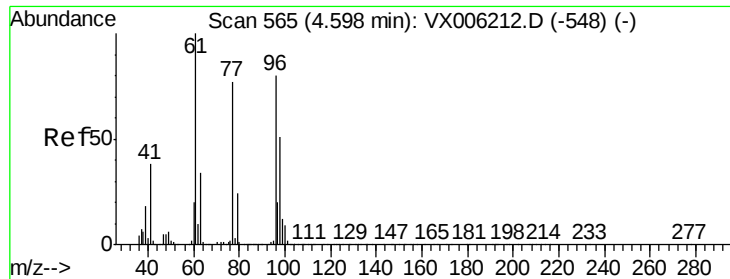
Ion Ratio Lower Upper

63 100

98 9.7 3.8 11.4

100 6.3 2.5 7.4



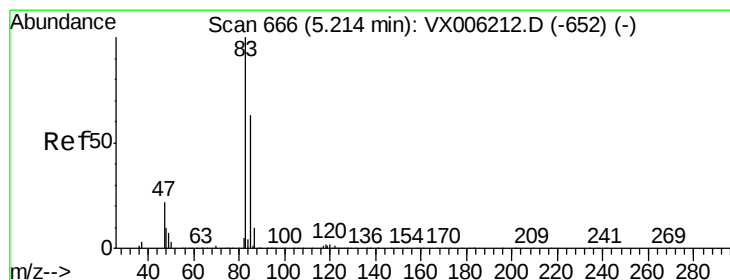
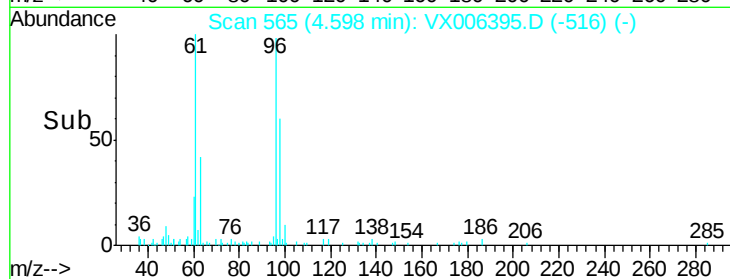
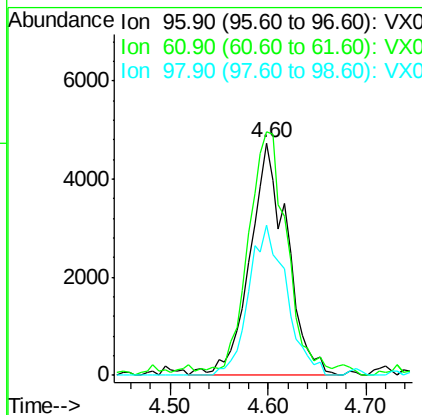
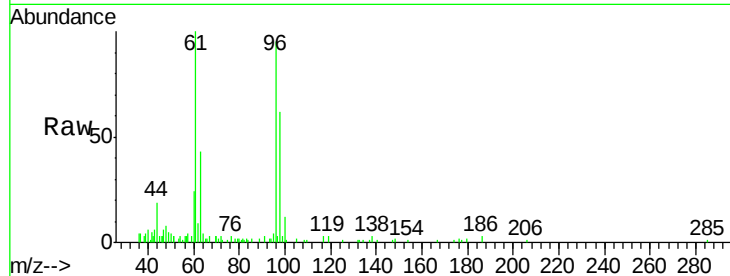


#27

cis-1,2-Dichloroethene
 Concen: 1.635 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX006395.D
 Acq: 11 Dec 2018 03:18

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-103D1-20181205

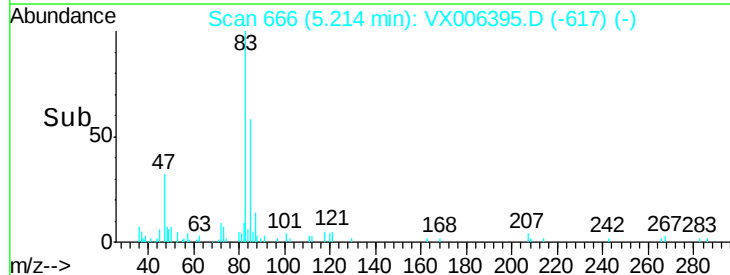
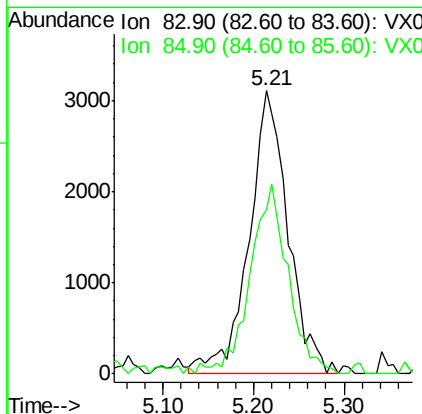
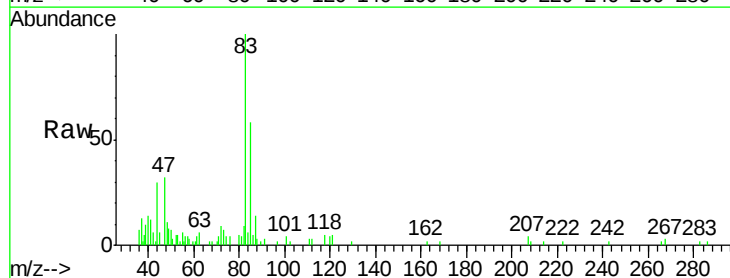
Tot Ion	Ratio	Lower	Upper
96	100		
61	102.2	0.0	265.0
98	65.2	0.0	130.2

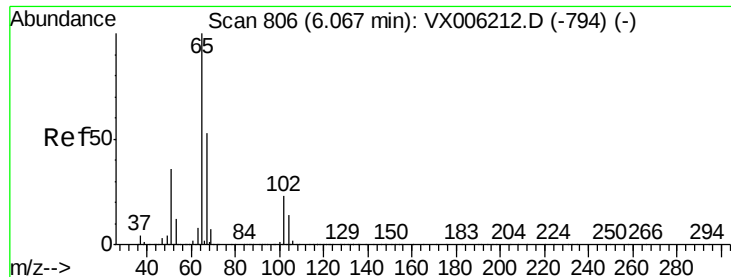


#30

Chloroform
 Concen: 0.775 ug/l
 RT: 5.21 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VX006395.D
 Acq: 11 Dec 2018 03:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.0	50.3	75.5





#33

1,2-Dichloroethane-d4

Concen: 50.207 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006395.D

Acq: 11 Dec 2018 03:18

Instrument :

MSVOA_X

ClientSampleId :

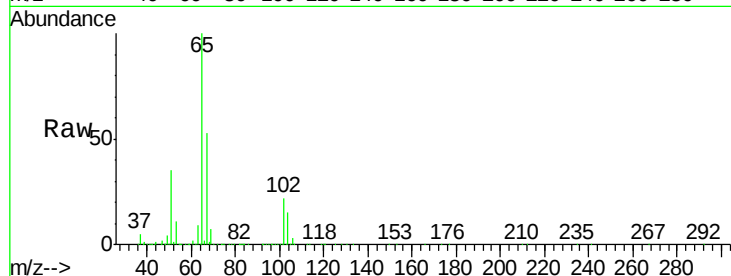
RE-103D1-20181205

Tot Ion: 65 Resp: 365044

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

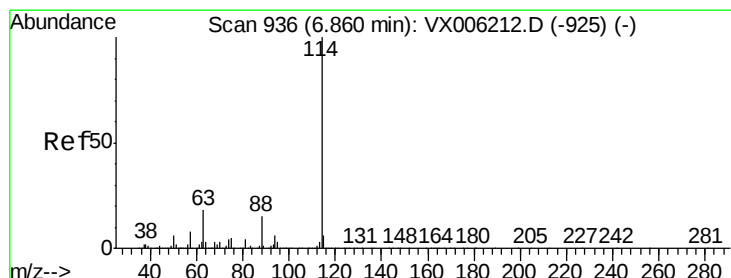
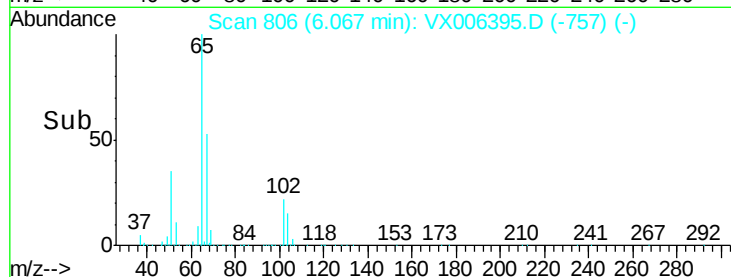
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006395.D

Acq: 11 Dec 2018 03:18

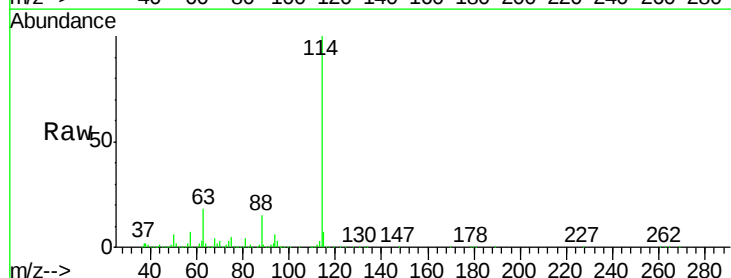
Tgt Ion: 114 Resp: 1088660

Ion Ratio Lower Upper

114 100

63 17.8 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

6.86

600000

500000

400000

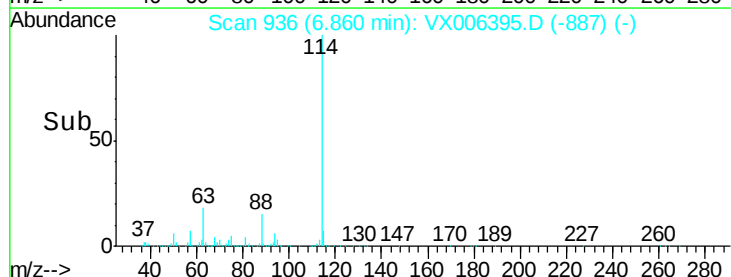
300000

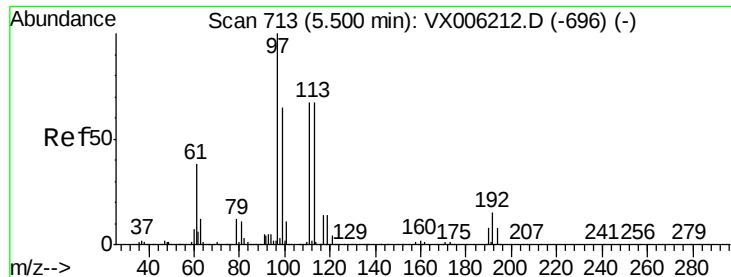
200000

100000

0

Time-->

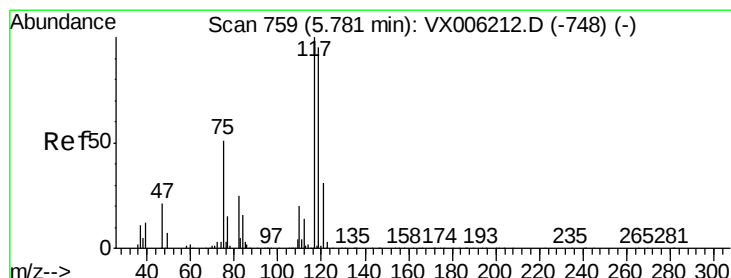
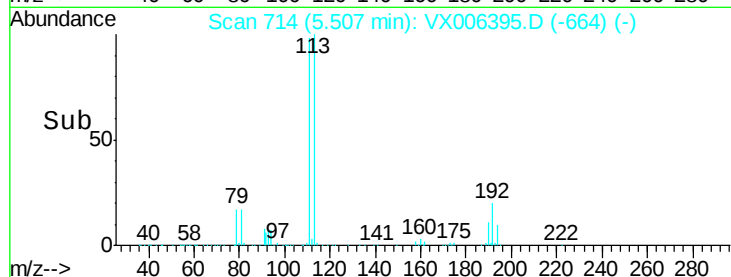
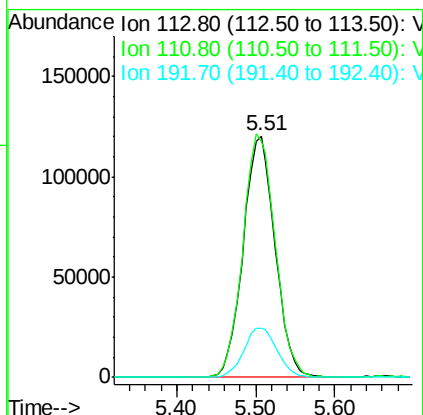
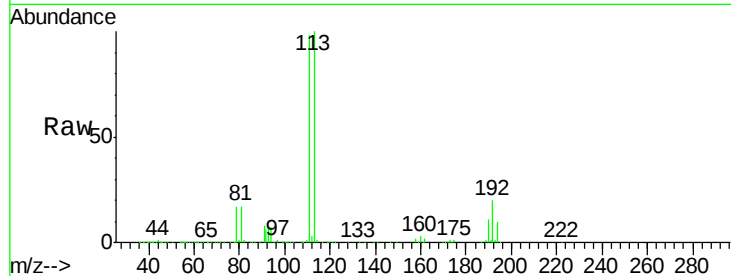




#35
 Dibromofluoromethane
 Concen: 47.814 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006395.D
 Acq: 11 Dec 2018 03:18

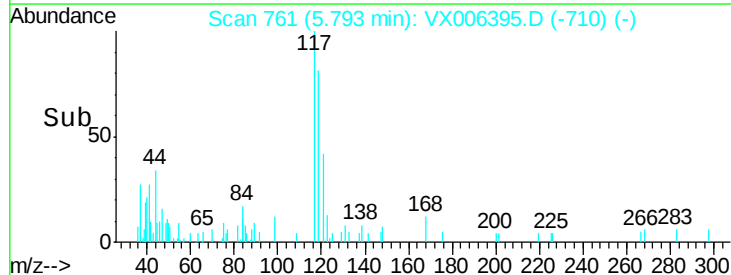
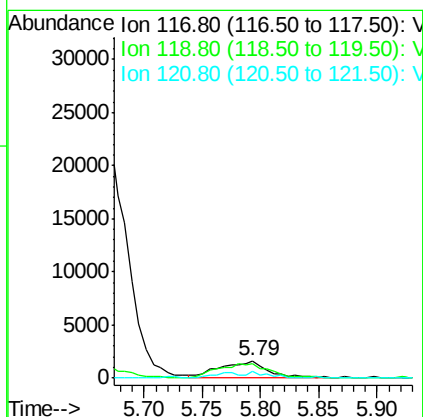
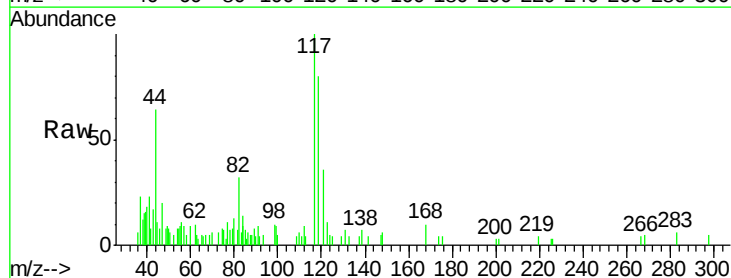
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-103D1-20181205

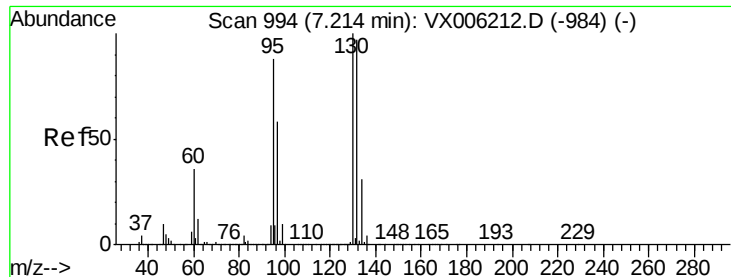
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.1	121.7
192	21.2	18.2	27.2



#38
 Carbon Tetrachloride
 Concen: 0.441 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VX006395.D
 Acq: 11 Dec 2018 03:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	80.3	75.8	113.8
121	36.1	24.6	37.0





#44

Trichloroethene

Concen: 668.879 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX006395.D

Acq: 11 Dec 2018 03:18

Instrument :

MSVOA_X

ClientSampleId :

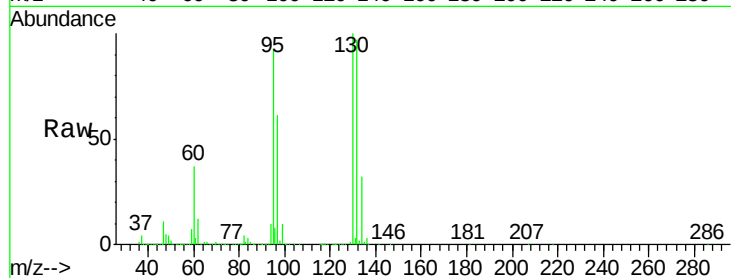
RE-103D1-20181205

Tot Ion:130 Resp: 5563850

Ion Ratio Lower Upper

130 100

95 91.8 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

3000000

2500000

2000000

1500000

1000000

500000

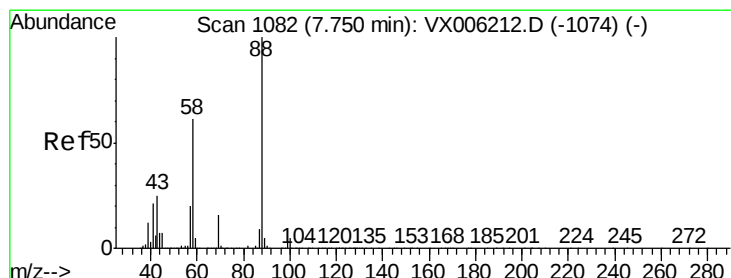
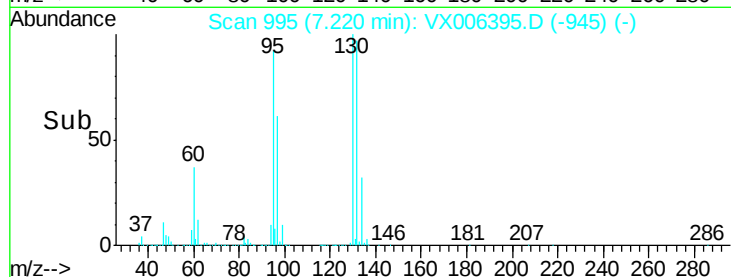
0

7.22

7.20

7.40

Time-->



#49

1,4-Dioxane

Concen: 21.302 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006395.D

Acq: 11 Dec 2018 03:18

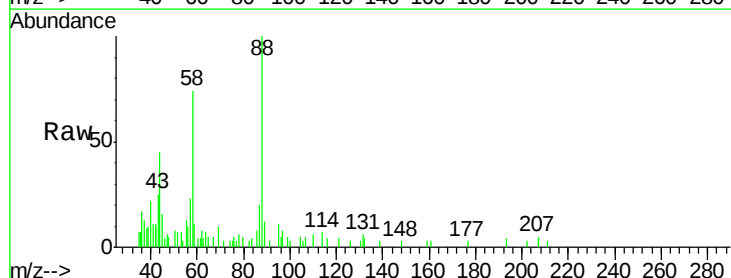
Tgt Ion: 88 Resp: 4372

Ion Ratio Lower Upper

88 100

43 22.0 23.2 34.8#

58 68.0 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

2500

2000

1500

1000

500

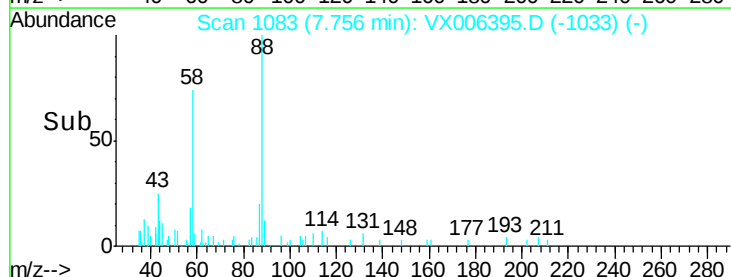
0

7.76

7.70

7.80

Time-->





#50

Toluene-d8

Concen: 49.070 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006395.D

Acq: 11 Dec 2018 03:18

Instrument :

MSVOA_X

ClientSampleId :

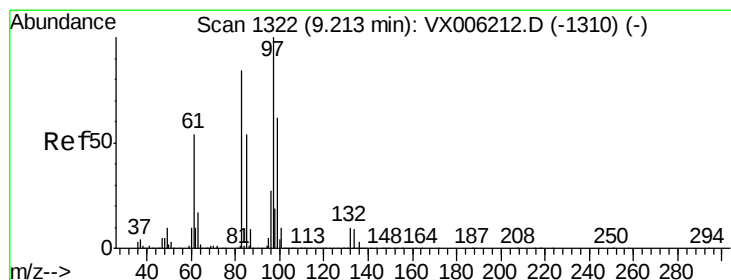
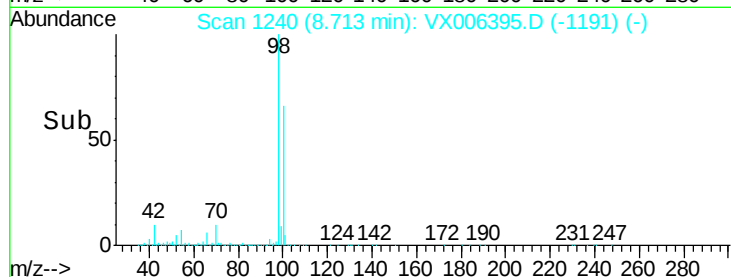
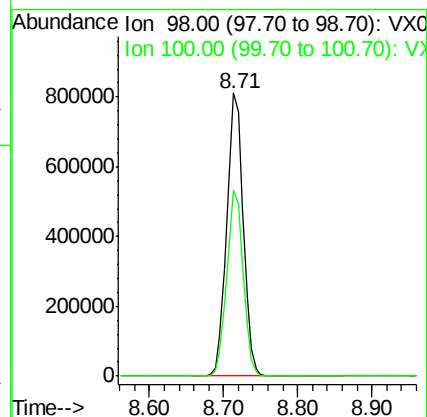
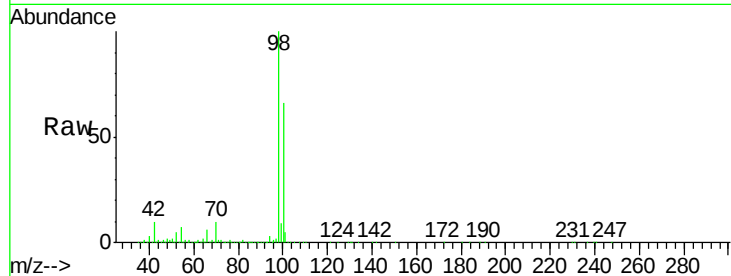
RE-103D1-20181205

Tot Ion: 98 Resp: 1258103

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#55

1,1,2-Trichloroethane

Concen: 0.672 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006395.D

Acq: 11 Dec 2018 03:18

Tgt Ion: 97 Resp: 4929

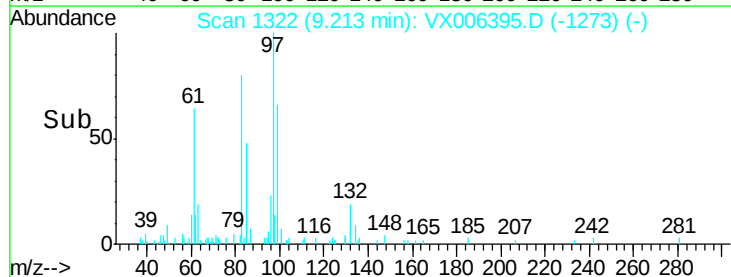
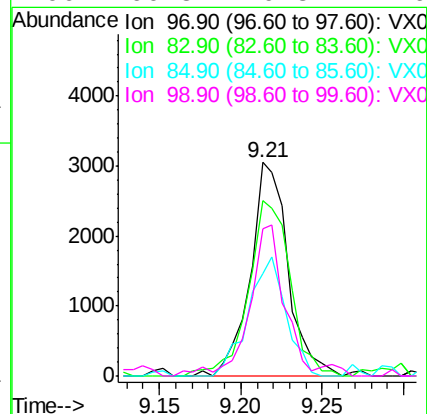
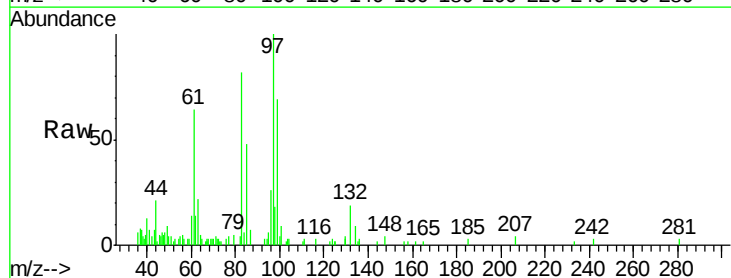
Ion Ratio Lower Upper

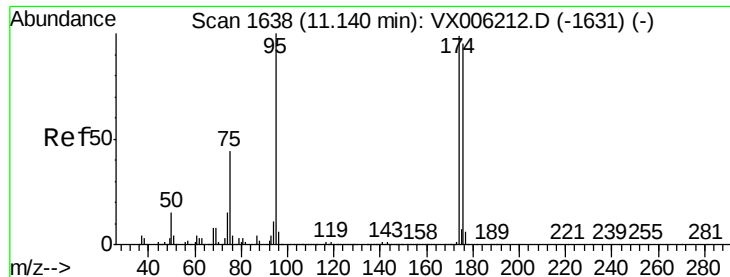
97 100

83 82.0 67.1 100.7

85 47.9 43.2 64.8

99 66.8 49.8 74.6





#62

4-Bromofluorobenzene

Concen: 48.543 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006395.D

Acq: 11 Dec 2018 03:18

Instrument :

MSVOA_X

ClientSampleId :

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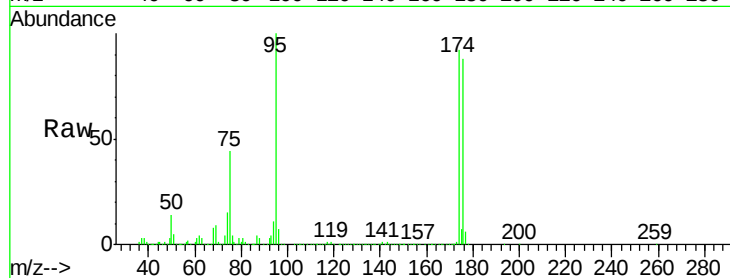
Tot Ion: 95 Resp: 468993

Ion Ratio Lower Upper

95 100

174 87.0 0.0 187.0

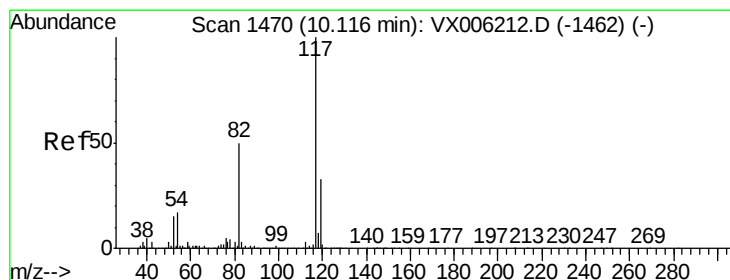
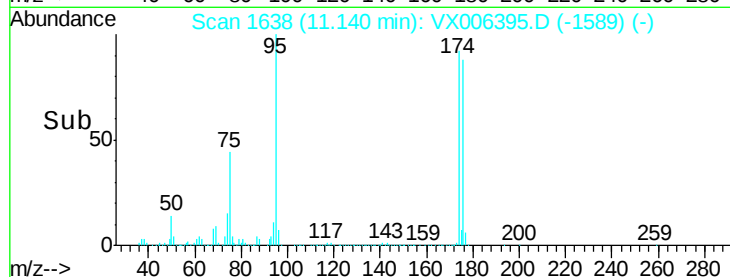
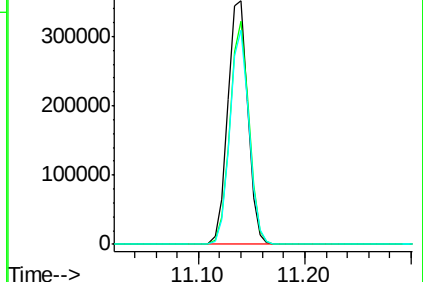
176 83.7 0.0 181.8



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: VX006395.D

Acq: 11 Dec 2018 03:18

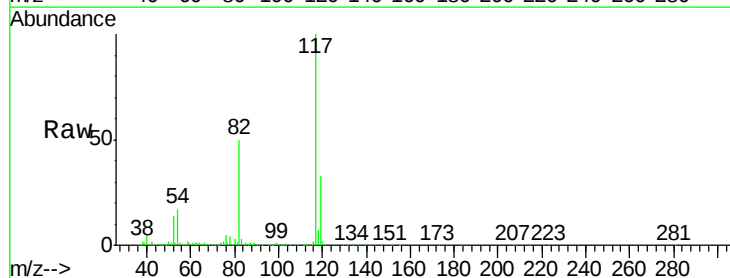
Tgt Ion: 117 Resp: 988599

Ion Ratio Lower Upper

117 100

82 50.1 39.6 59.4

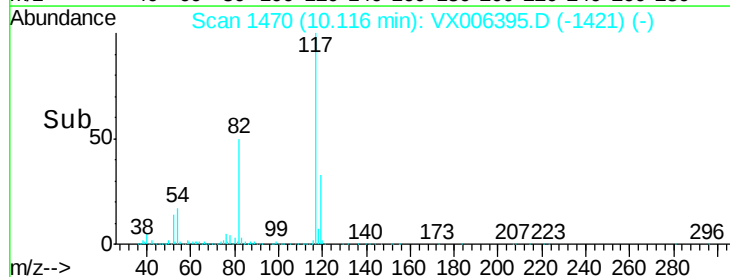
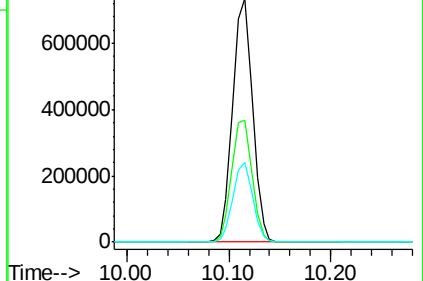
119 32.8 26.3 39.5

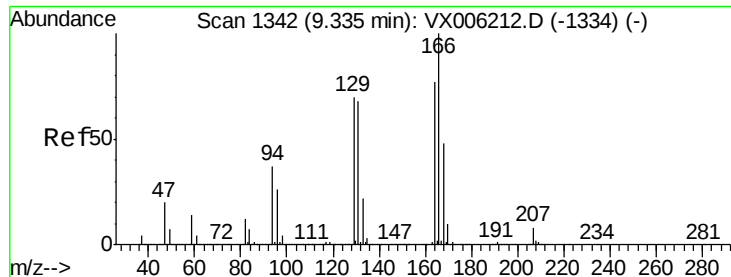


Abundance Ion 116.90 (116.60 to 117.60): VX006212.D (-1462) (-)

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

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

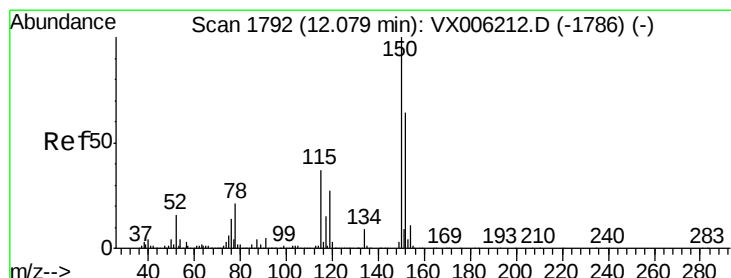
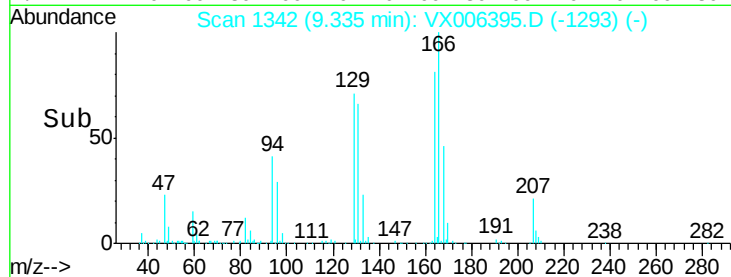
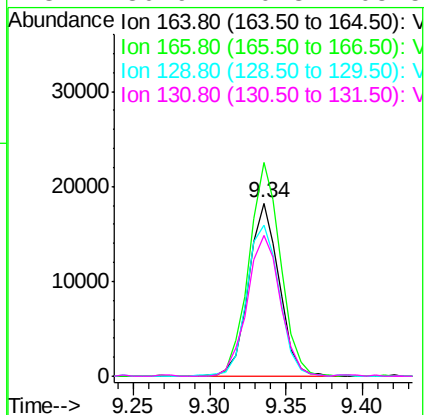
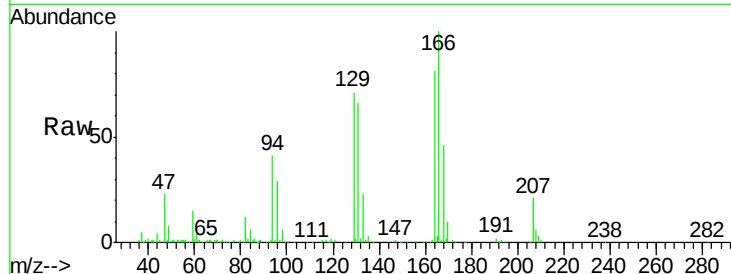




#64
Tetrachloroethene
Concen: 3.397 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006395.D
Acq: 11 Dec 2018 03:18

Instrument :
MSVOA_X
ClientSampleId :
RE-103D1-20181205

Tot Ion:164 Resp: 25291
Ion Ratio Lower Upper
164 100
166 123.2 104.2 156.2
129 87.4 72.6 108.8
131 80.9 70.3 105.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006395.D
Acq: 11 Dec 2018 03:18

Tgt Ion:152 Resp: 468968
Ion Ratio Lower Upper
152 100
115 55.9 39.0 116.9
150 157.8 0.0 345.8

