

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006400.D
 Acq On : 11 Dec 2018 05:32
 Operator : JC/MD
 Sample : J6324-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-104D1-20181206

Quant Time: Dec 11 06:10:30 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	683555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1084021	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	983598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	472656	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	365466	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
35) Dibromofluoromethane	5.50	113	333913	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	8.71	98	1265684	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.14	95	473296	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	

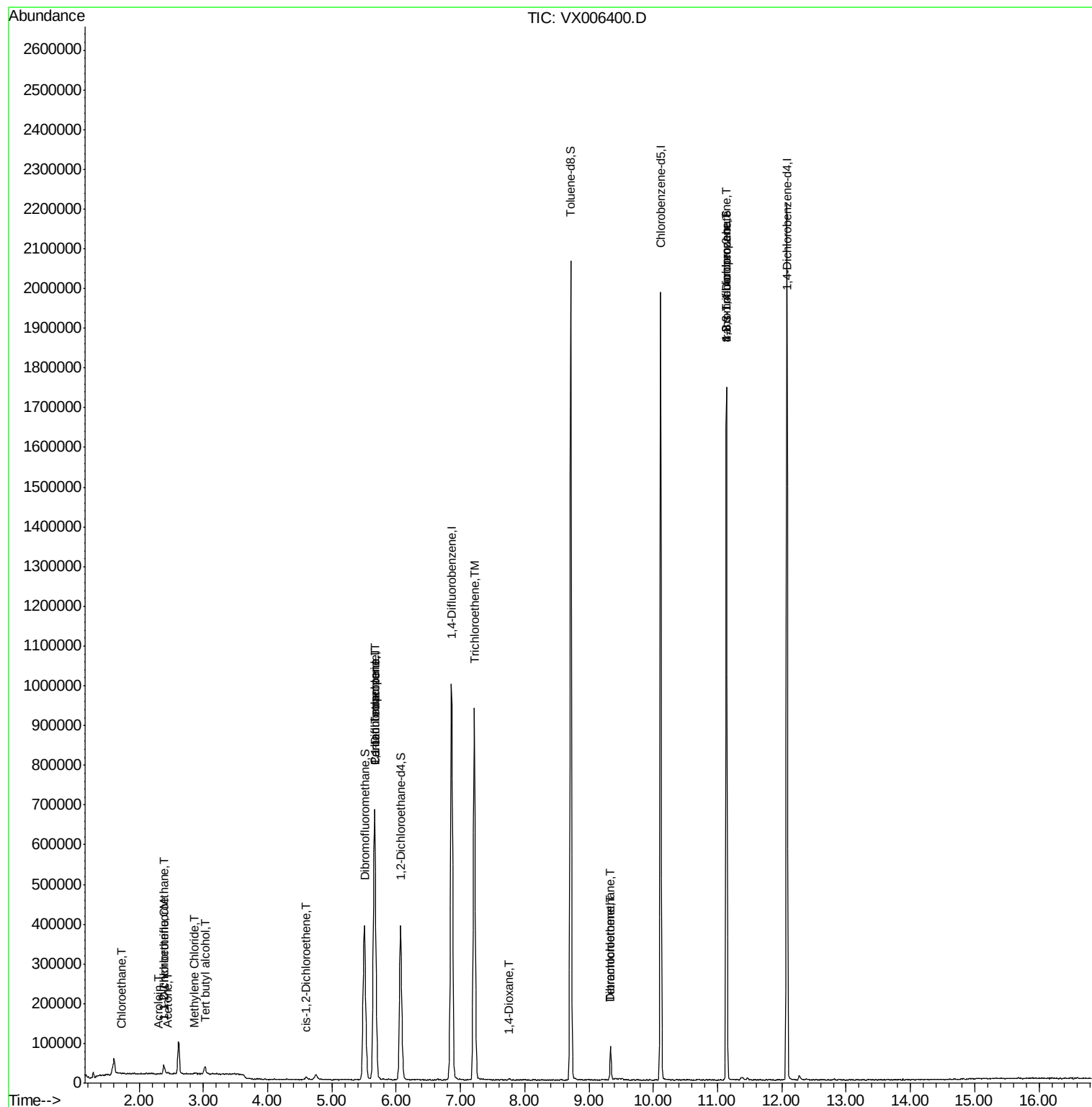
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	1526	0.336	ug/l #	61
9) 1,1,2-Trichlorotrifluoroet	2.39	101	8380	1.297	ug/l #	94
11) Tert butyl alcohol	3.02	59	12007	6.292	ug/l #	77
12) 1,1-Dichloroethene	2.38	96	1646	0.266	ug/l	92
13) Acrolein	2.29	56	327	0.314	ug/l #	75
16) Acetone	2.45	43	5103	1.558	ug/l #	83
20) Methylene Chloride	2.86	84	1956	0.281	ug/l #	70
27) cis-1,2-Dichloroethene	4.60	96	4074	0.554	ug/l	78
36) 1,1-Dichloropropene	5.66	75	45516	4.986	ug/l #	48
38) Carbon Tetrachloride	5.67	117	64623	6.018	ug/l #	17
44) Trichloroethene	7.21	130	383123	46.256	ug/l	97
49) 1,4-Dioxane	7.75	88	2570	12.575	ug/l #	89
60) Dibromochloromethane	9.34	129	15597	1.731	ug/l #	12
64) Tetrachloroethene	9.34	164	16152	2.181	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	216699	23.753	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	216699	55.742	ug/l #	15

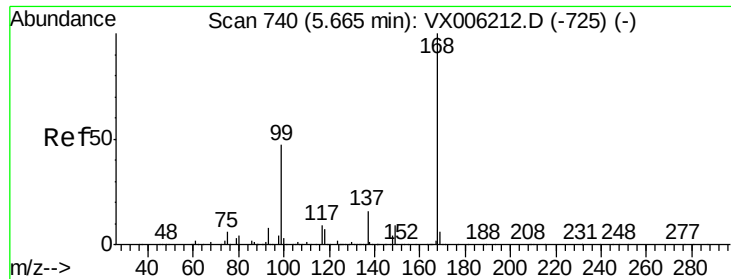
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006400.D

Acq: 11 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

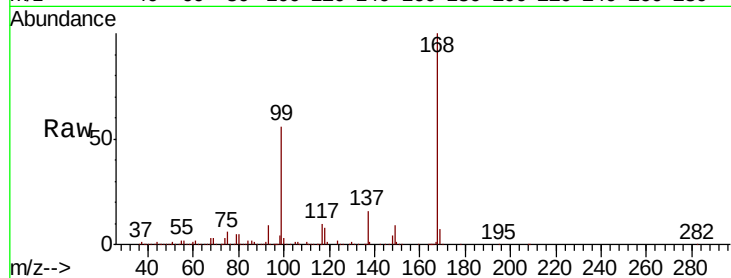
RE-104D1-20181206

Tot Ion:168 Resp: 683555

Ion Ratio Lower Upper

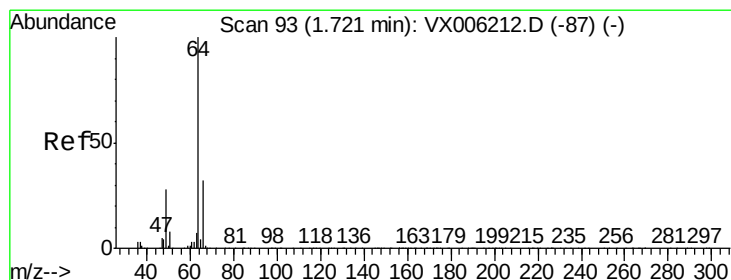
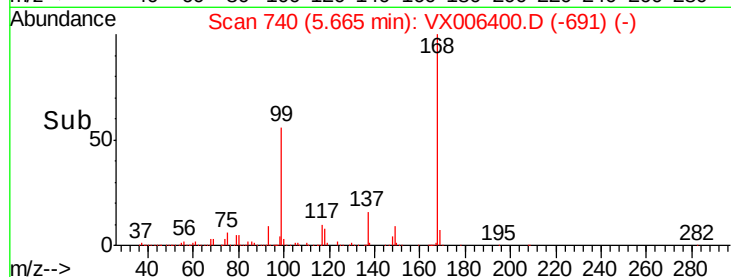
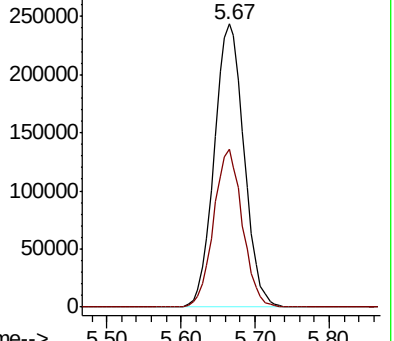
168 100

99 55.6 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.336 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006400.D

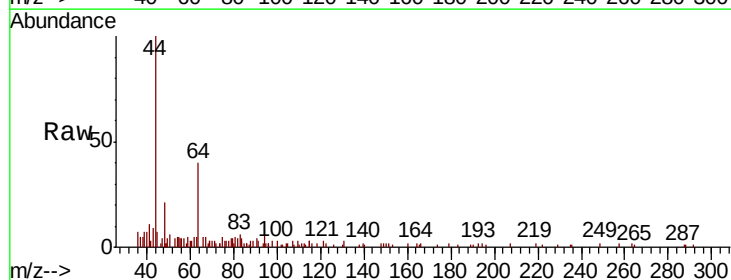
Acq: 11 Dec 2018 05:32

Tgt Ion: 64 Resp: 1526

Ion Ratio Lower Upper

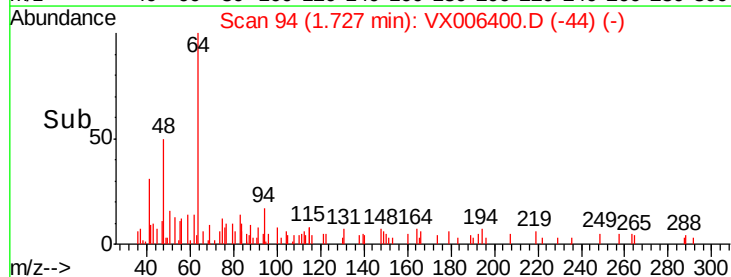
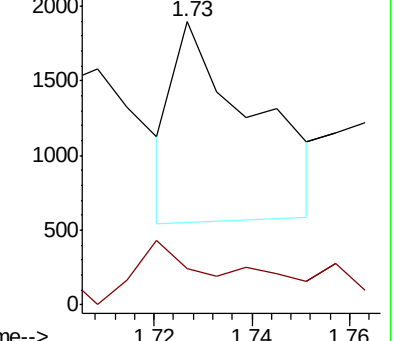
64 100

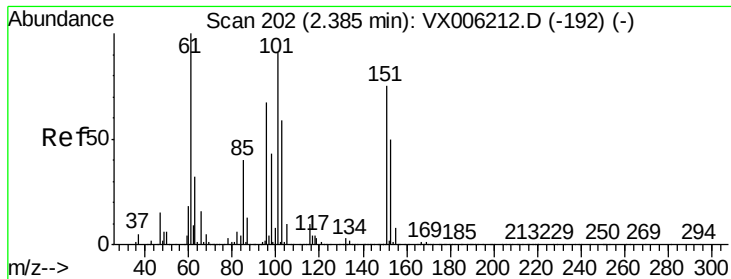
66 10.7 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.297 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

RE-104D1-20181206

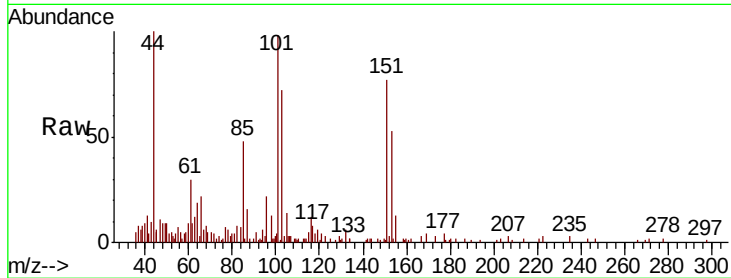
Tot Ion:101 Resp: 8380

Ion Ratio Lower Upper

101 100

85 54.6 35.5 53.3#

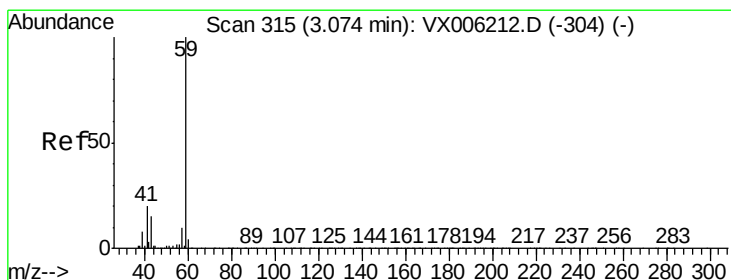
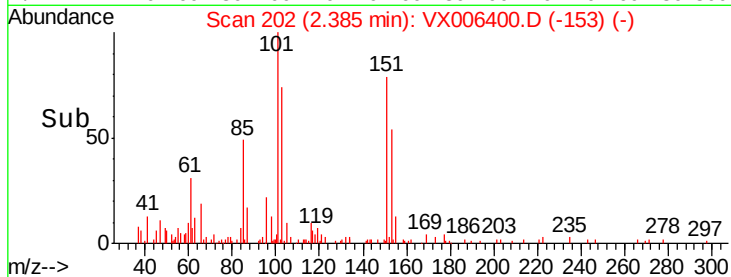
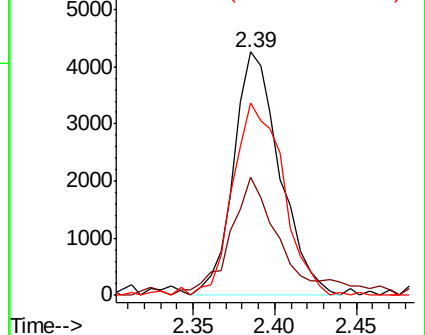
151 86.6 68.6 103.0



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



#11

Tert butyl alcohol

Concen: 6.292 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX006400.D

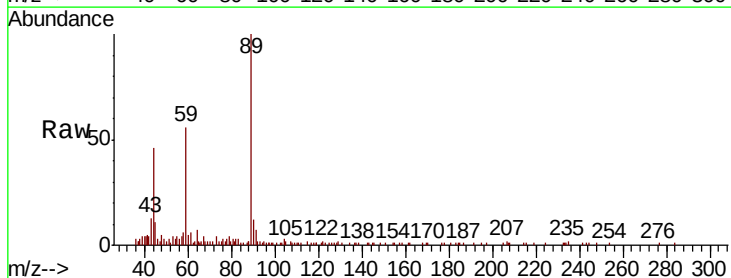
Acq: 11 Dec 2018 05:32

Tgt Ion: 59 Resp: 12007

Ion Ratio Lower Upper

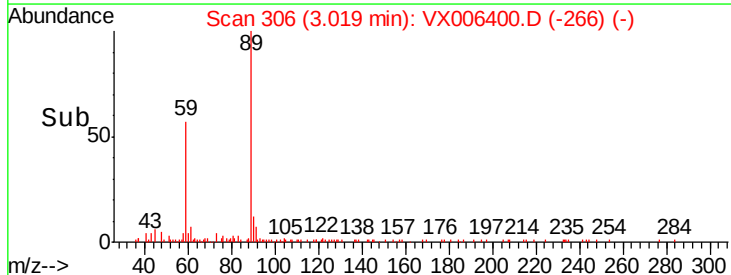
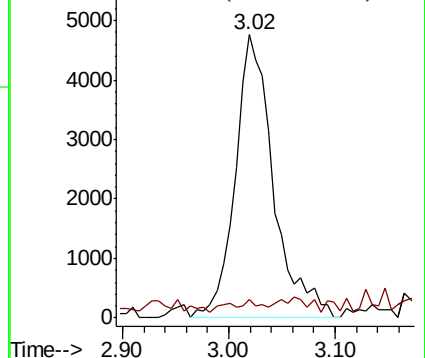
59 100

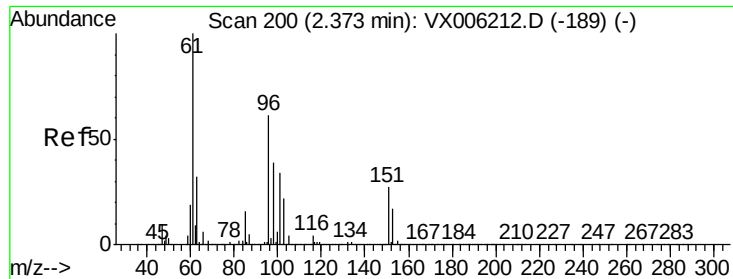
57 1.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

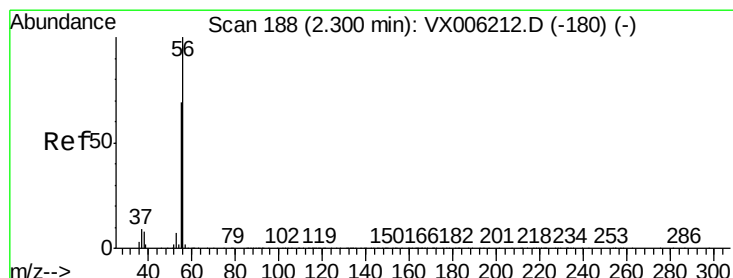
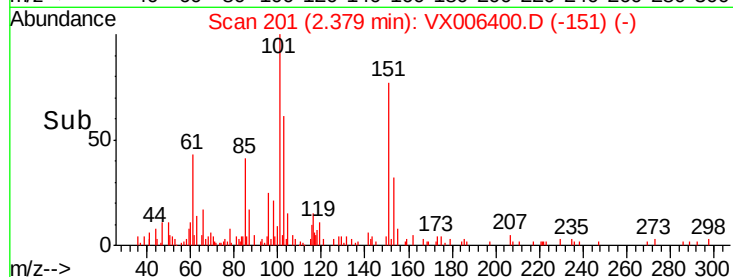
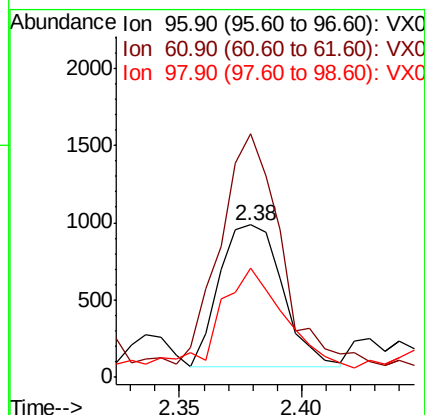
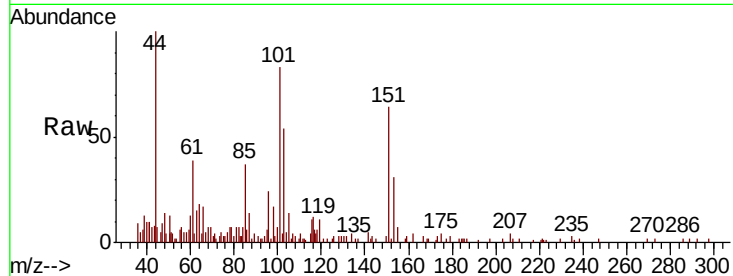




#12
 1,1-Dichloroethene
 Concen: 0.266 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX006400.D
 Acq: 11 Dec 2018 05:32

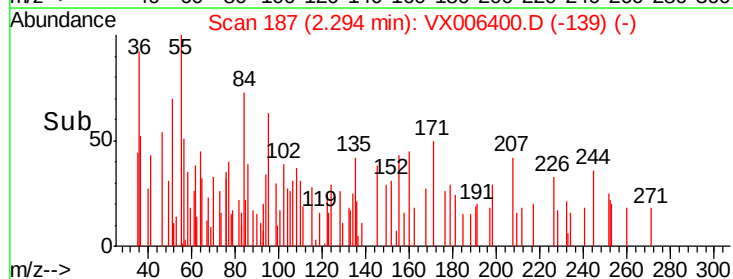
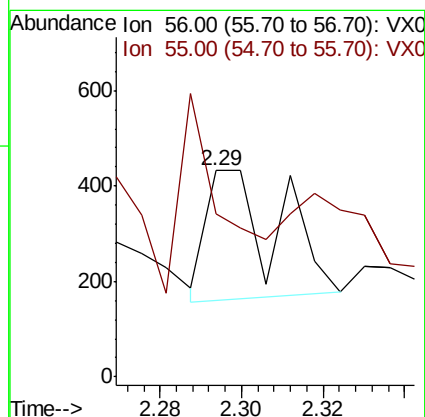
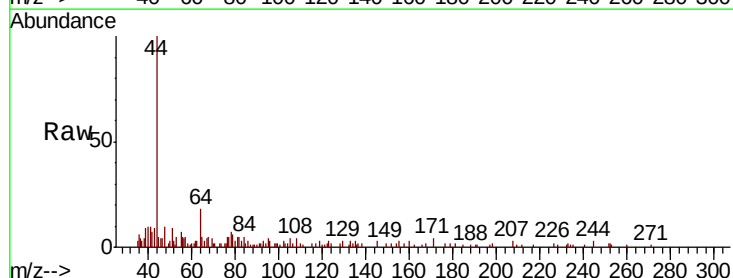
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-104D1-20181206

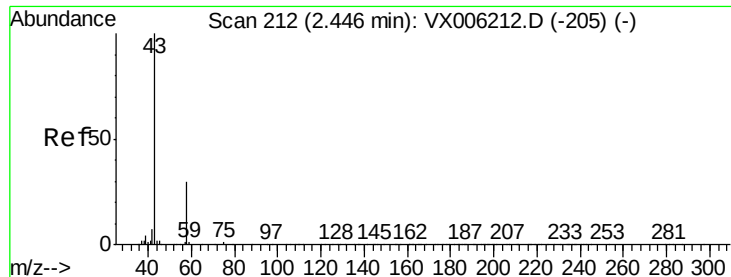
Tot Ion: 96 Resp: 1646
 Ion Ratio Lower Upper
 96 100
 61 150.6 131.7 197.5
 98 66.7 51.8 77.6



#13
 Acrolein
 Concen: 0.314 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VX006400.D
 Acq: 11 Dec 2018 05:32

Tgt Ion: 56 Resp: 327
 Ion Ratio Lower Upper
 56 100
 55 93.3 57.8 86.6#





#16

Acetone

Concen: 1.558 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

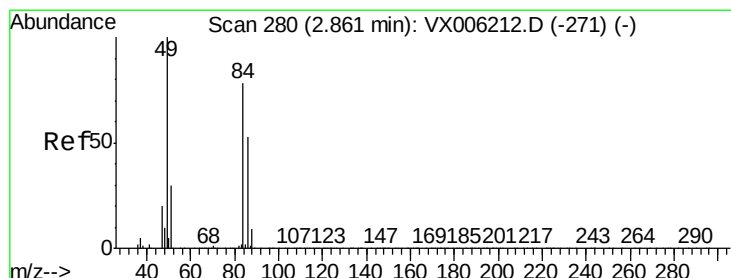
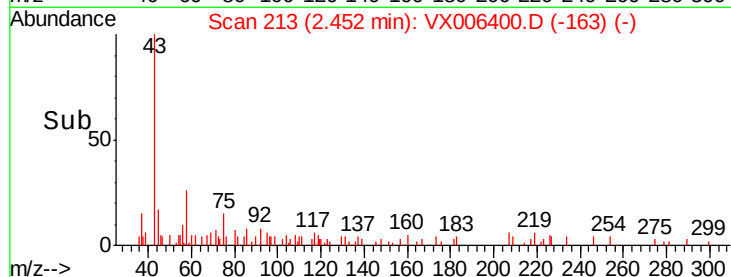
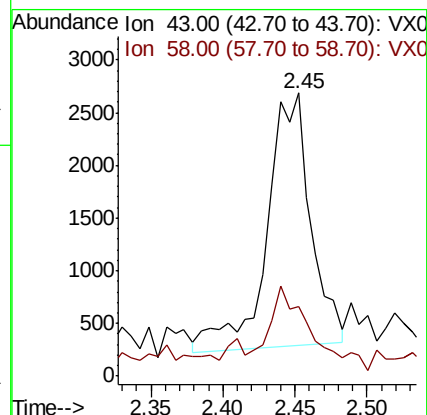
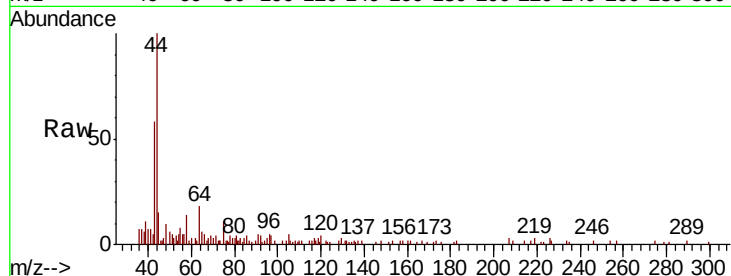
RE-104D1-20181206

Tot Ion: 43 Resp: 5103

Ion Ratio Lower Upper

43 100

58 20.6 24.0 36.0#



#20

Methylene Chloride

Concen: 0.281 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

Tgt Ion: 84 Resp: 1956

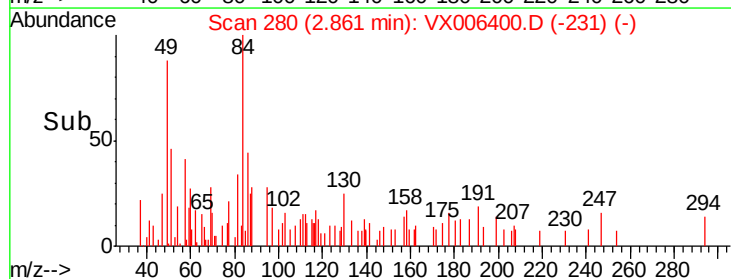
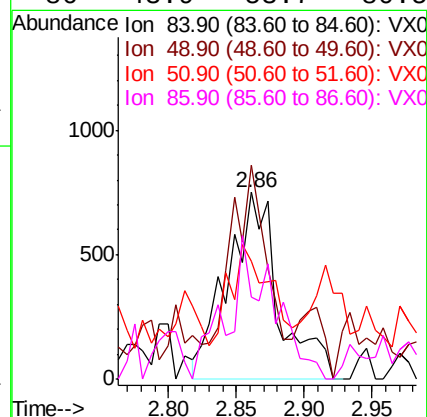
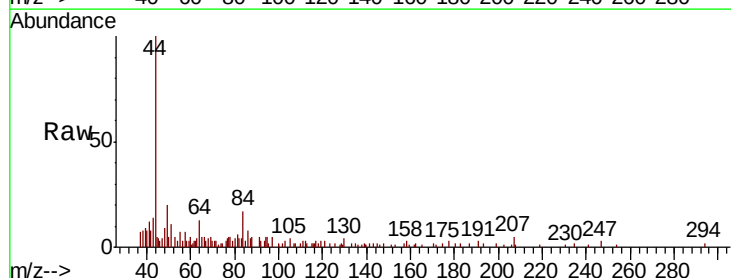
Ion Ratio Lower Upper

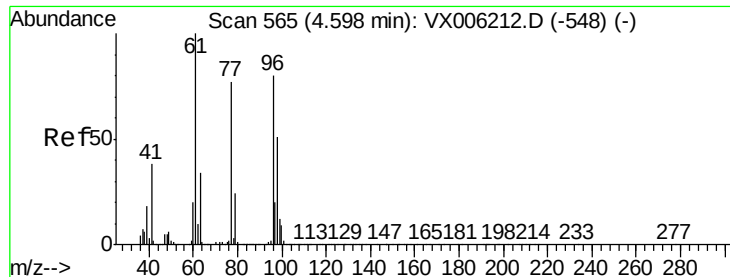
84 100

49 91.3 102.2 153.4#

51 24.0 31.1 46.7#

86 43.9 53.7 80.5#





#27

cis-1,2-Dichloroethene

Concen: 0.554 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

RE-104D1-20181206

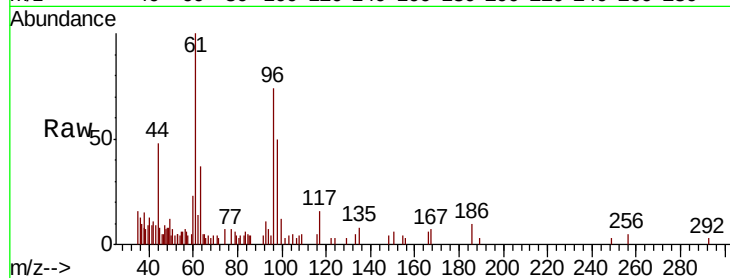
Tot Ion: 96 Resp: 4074

Ion Ratio Lower Upper

96 100

61 95.8 0.0 265.0

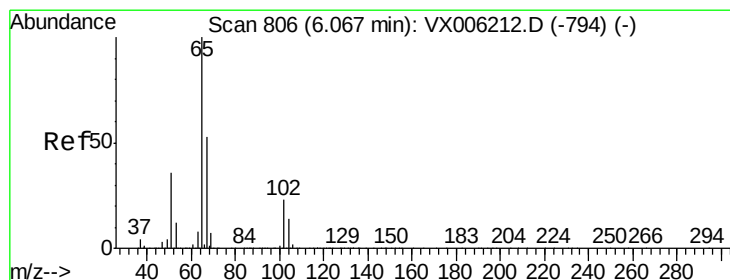
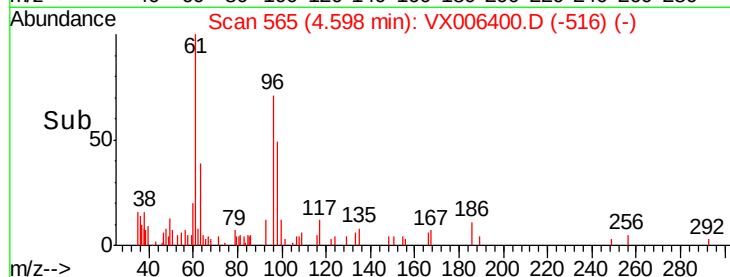
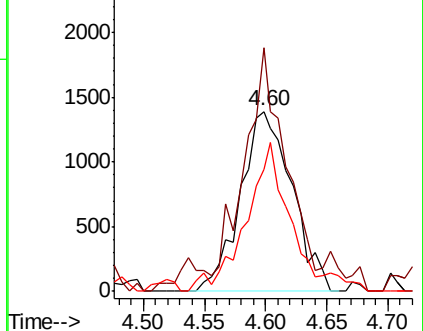
98 68.4 0.0 130.2



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



#33

1,2-Dichloroethane-d4

Concen: 52.374 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006400.D

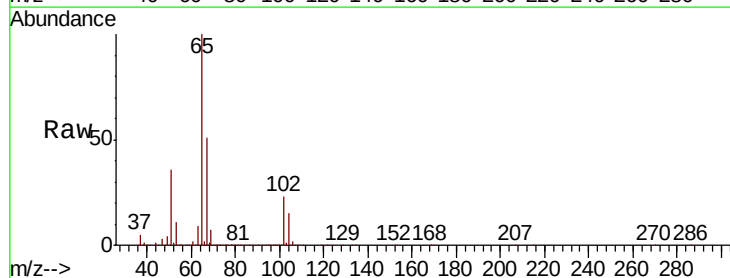
Acq: 11 Dec 2018 05:32

Tgt Ion: 65 Resp: 365466

Ion Ratio Lower Upper

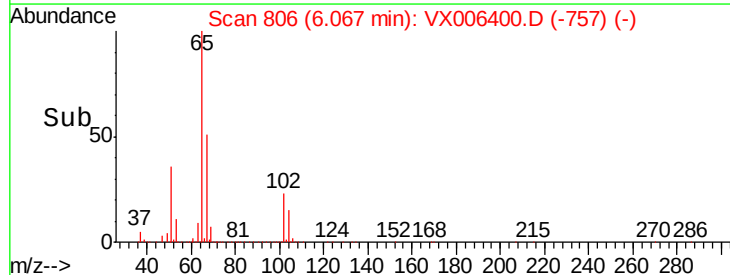
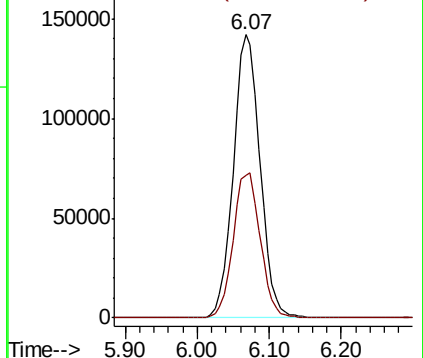
65 100

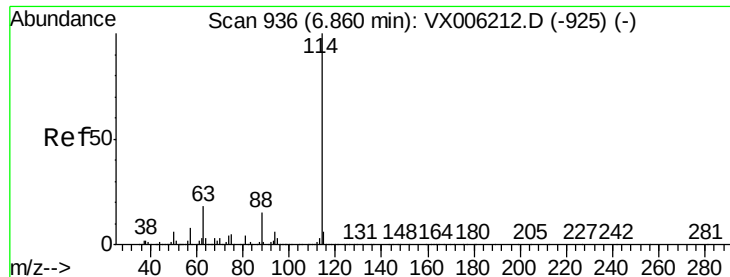
67 52.0 0.0 107.2



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: VX006400.D

Acq: 11 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

RE-104D1-20181206

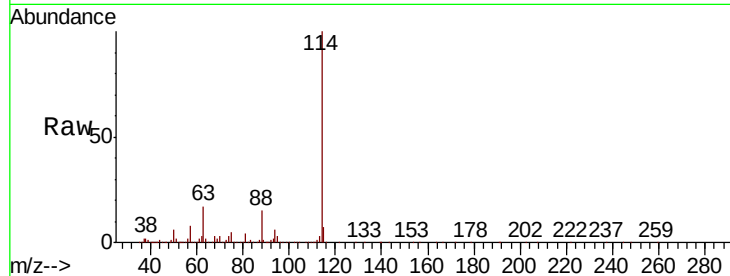
Tot Ion:114 Resp: 1084021

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

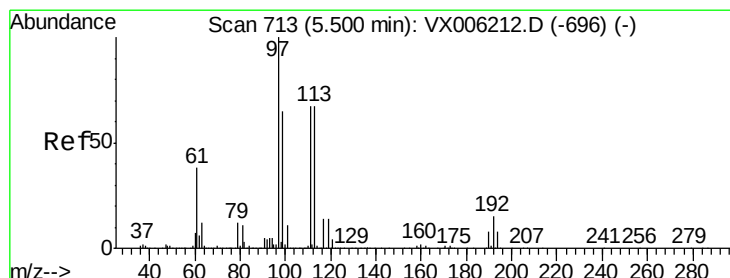
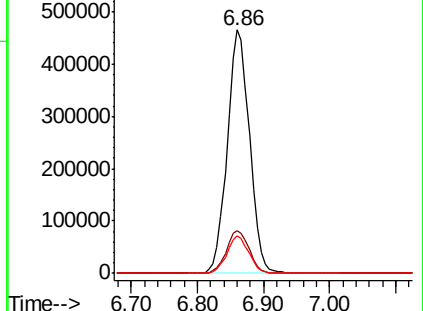
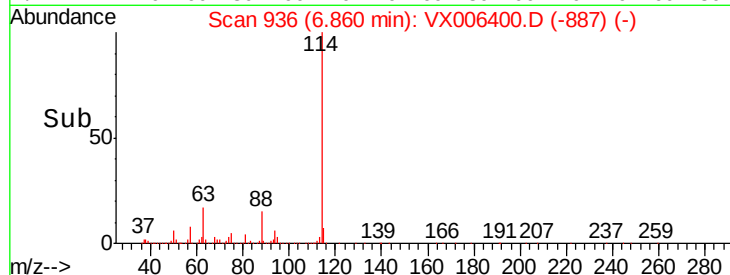
88 15.2 0.0 29.0



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: 47.575 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

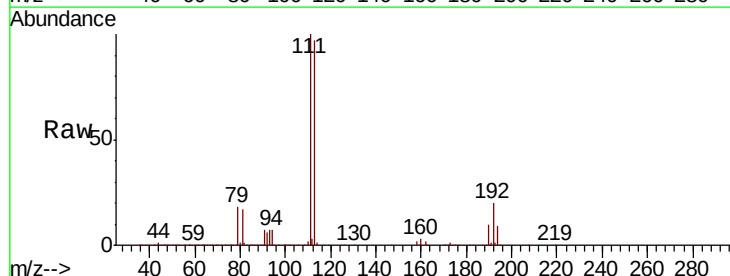
Tgt Ion:113 Resp: 333913

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

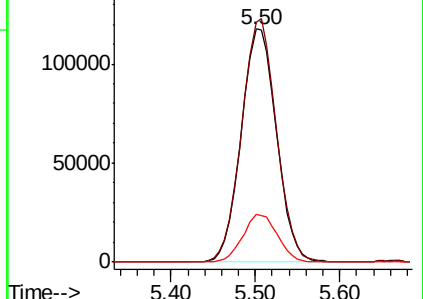
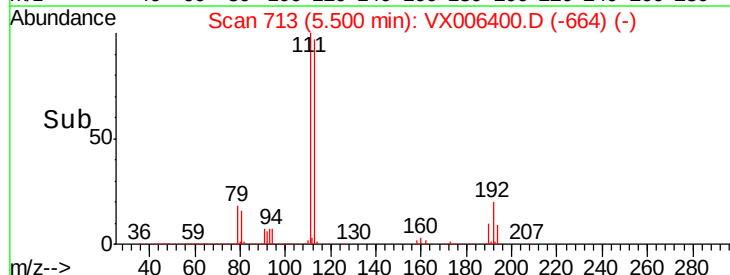
192 20.4 18.2 27.2

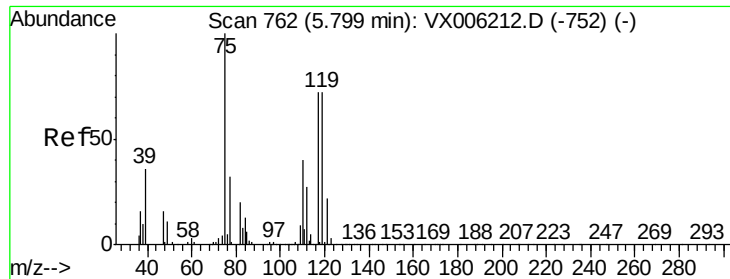


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.986 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

RE-104D1-20181206

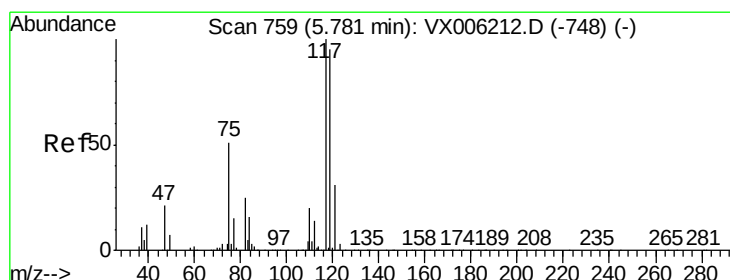
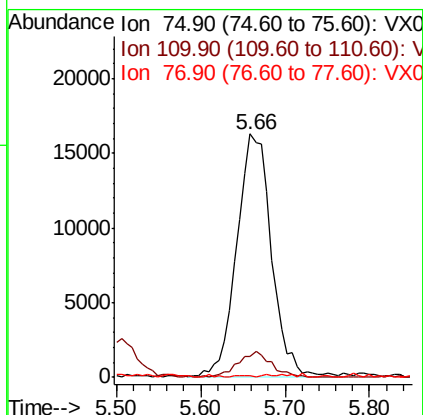
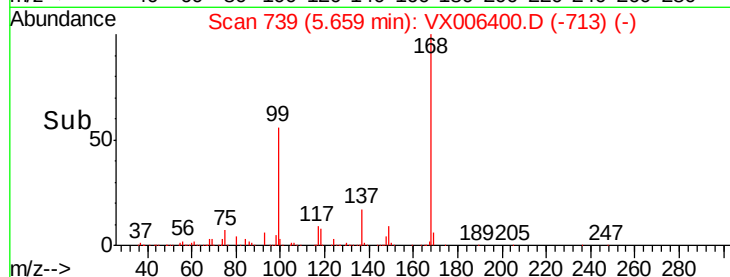
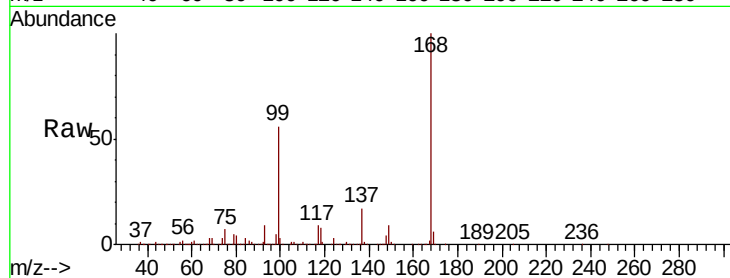
Tot Ion: 75 Resp: 45516

Ion Ratio Lower Upper

75 100

110 10.3 20.4 61.3#

77 0.3 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.018 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

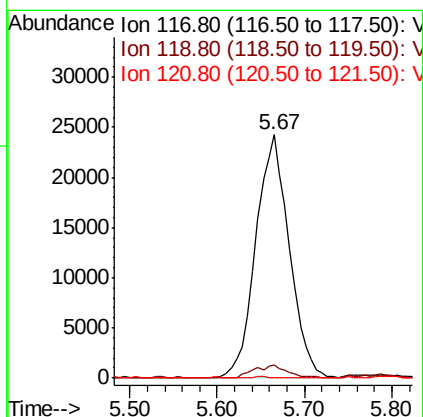
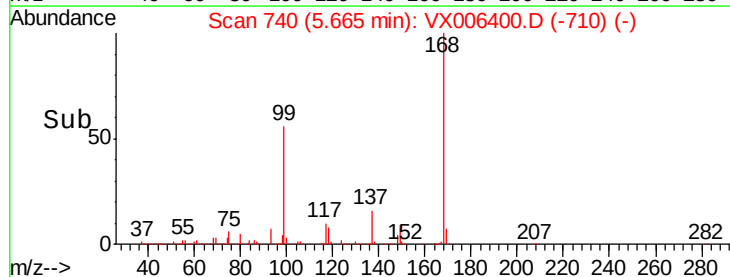
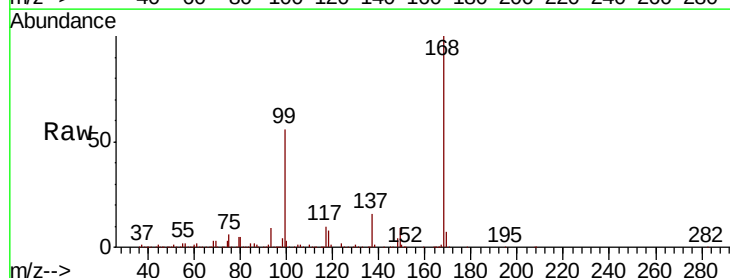
Tgt Ion: 117 Resp: 64623

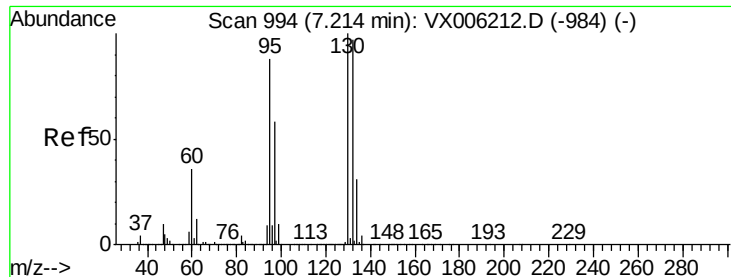
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.8#

121 0.0 24.6 37.0#





#44

Trichloroethene

Concen: 46.256 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

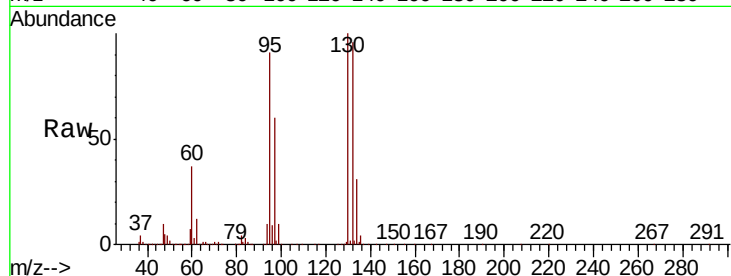
RE-104D1-20181206

Tot Ion:130 Resp: 383123

Ion Ratio Lower Upper

130 100

95 90.9 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

200000

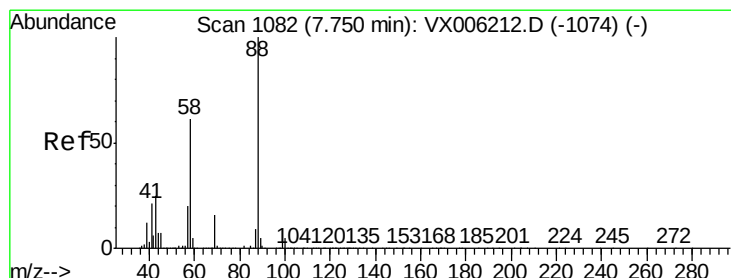
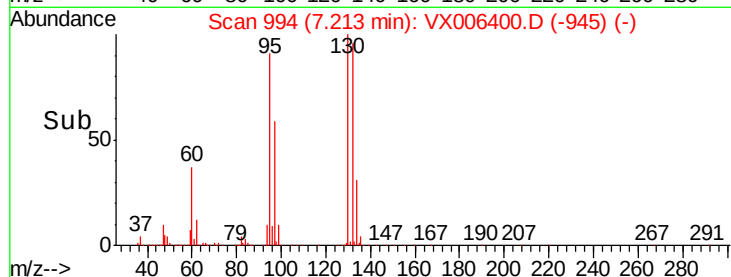
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 12.575 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

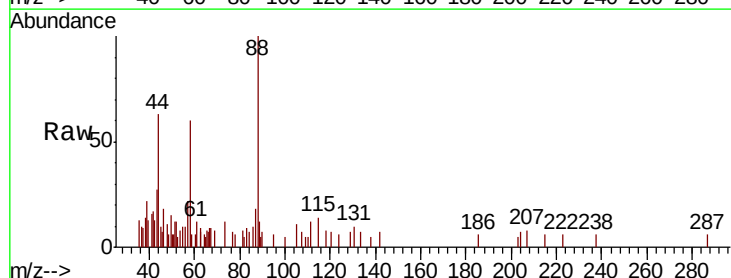
Tgt Ion: 88 Resp: 2570

Ion Ratio Lower Upper

88 100

43 36.7 23.2 34.8#

58 71.5 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

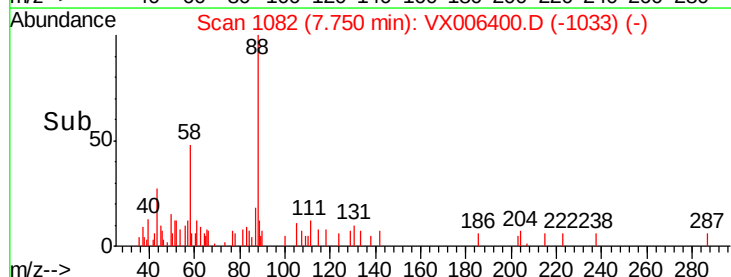
1500

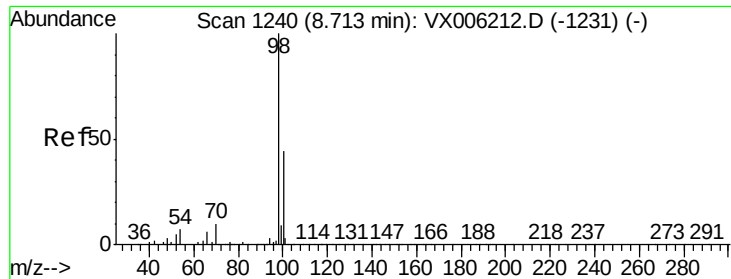
1000

500

0

Time-->





#50

Toluene-d8

Concen: 49.577 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

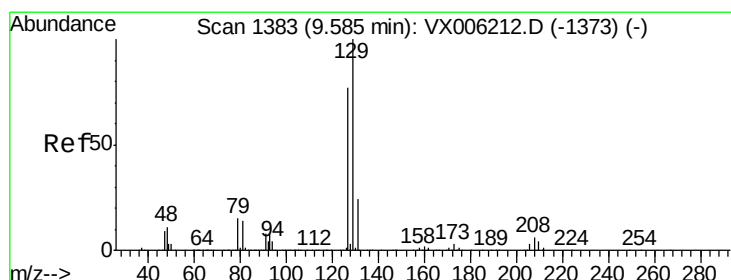
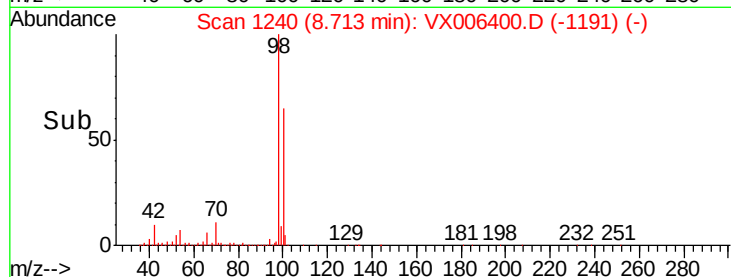
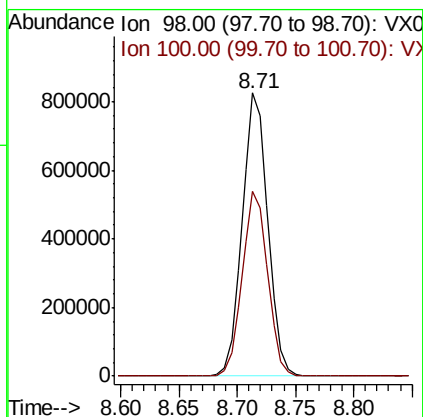
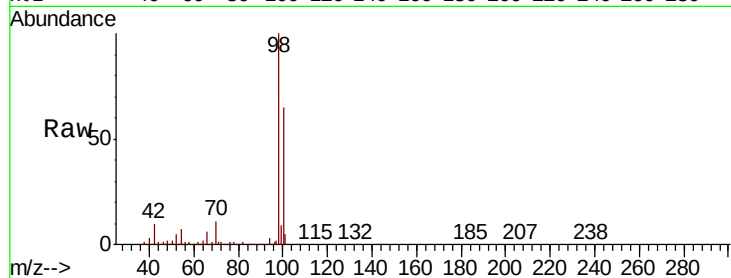
RE-104D1-20181206

Tot Ion: 98 Resp: 1265684

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



#60

Dibromochloromethane

Concen: 1.731 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX006400.D

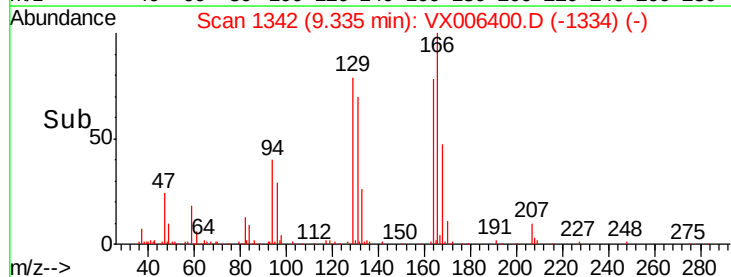
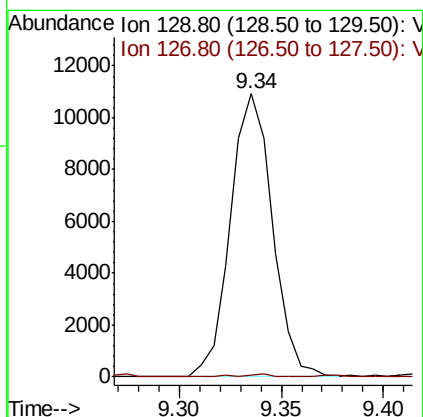
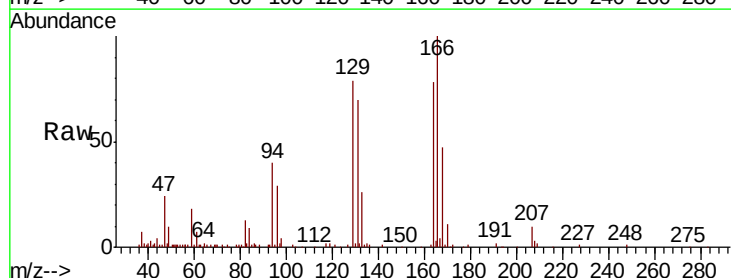
Acq: 11 Dec 2018 05:32

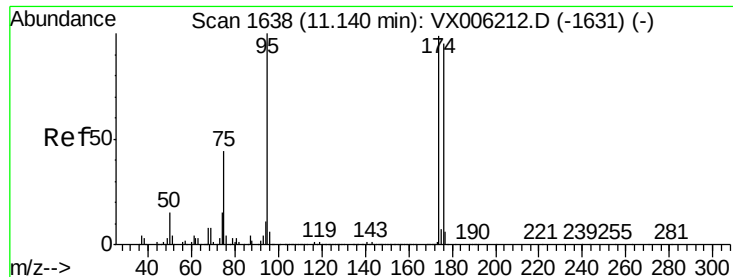
Tgt Ion: 129 Resp: 15597

Ion Ratio Lower Upper

129 100

127 0.6 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 49.198 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

RE-104D1-20181206

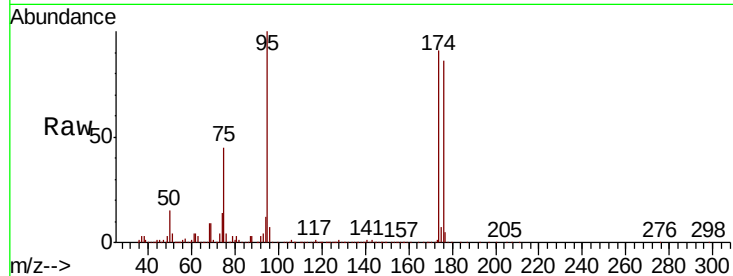
Tot Ion: 95 Resp: 473296

Ion Ratio Lower Upper

95 100

174 86.0 0.0 187.0

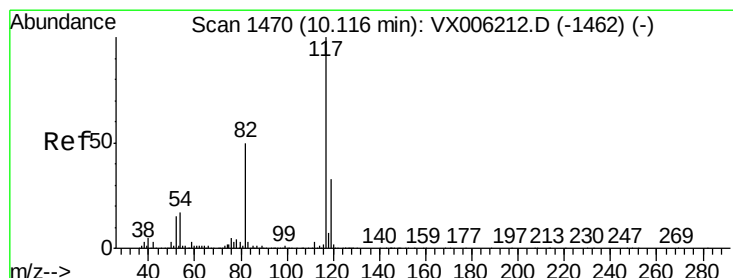
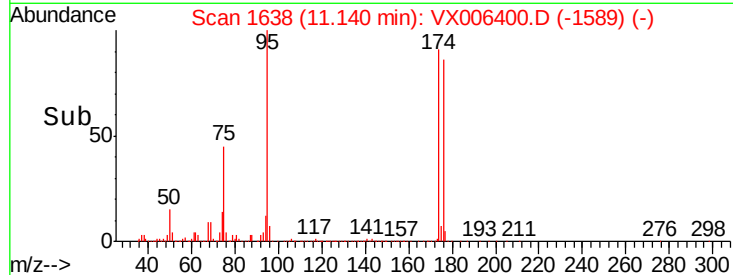
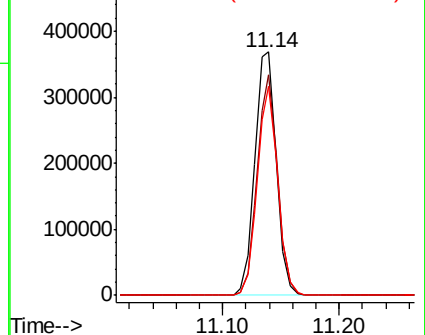
176 81.9 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006400.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX006400.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX006400.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

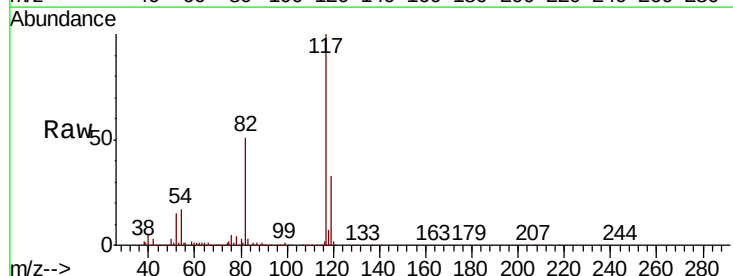
Tgt Ion: 117 Resp: 983598

Ion Ratio Lower Upper

117 100

82 50.8 39.6 59.4

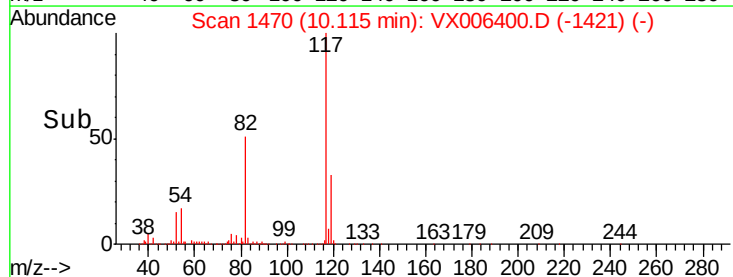
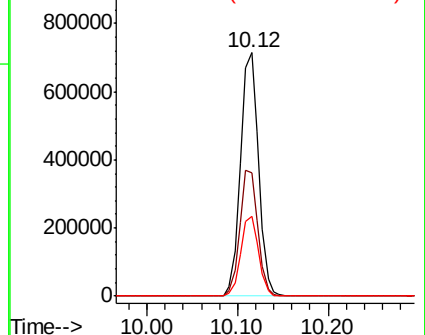
119 32.7 26.3 39.5

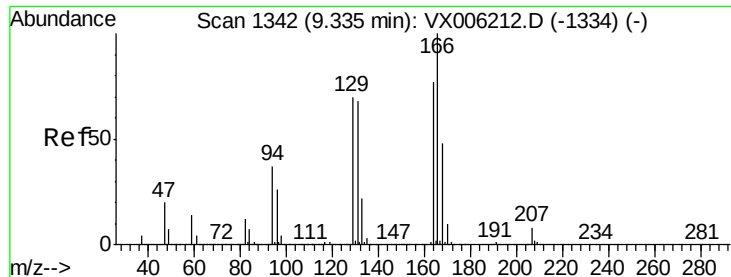


Abundance Ion 116.90 (116.60 to 117.60): VX006400.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX006400.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX006400.D (-1421) (-)





#64

Tetrachloroethene

Concen: 2.181 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006400.D

Acq: 11 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

RE-104D1-20181206

Tot Ion:164 Resp: 16152

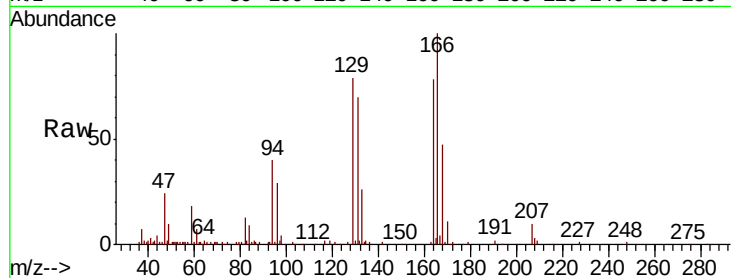
Ion Ratio Lower Upper

164 100

166 127.8 104.2 156.2

129 101.6 72.6 108.8

131 89.1 70.3 105.5

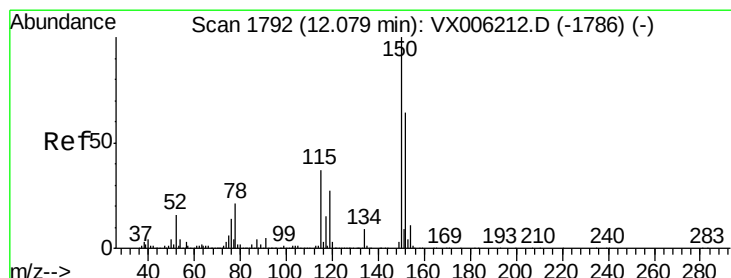
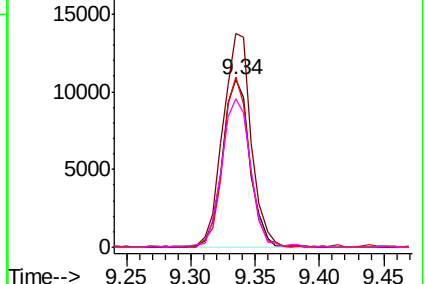
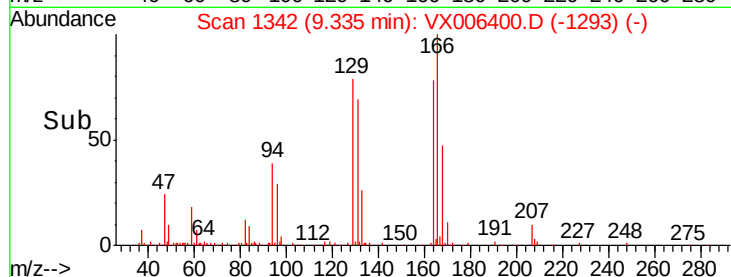


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX006400.D

Acq: 11 Dec 2018 05:32

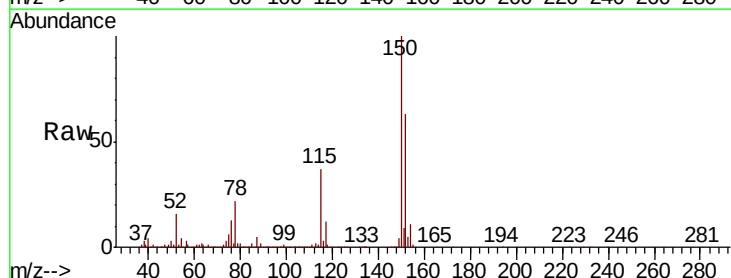
Tgt Ion:152 Resp: 472656

Ion Ratio Lower Upper

152 100

115 57.2 39.0 116.9

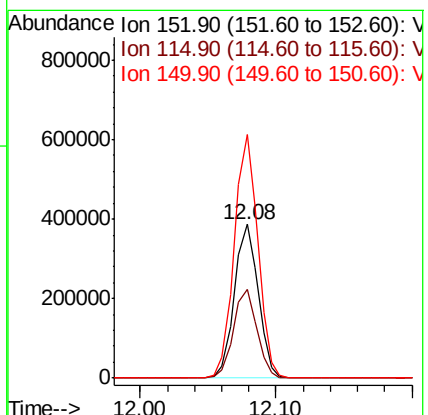
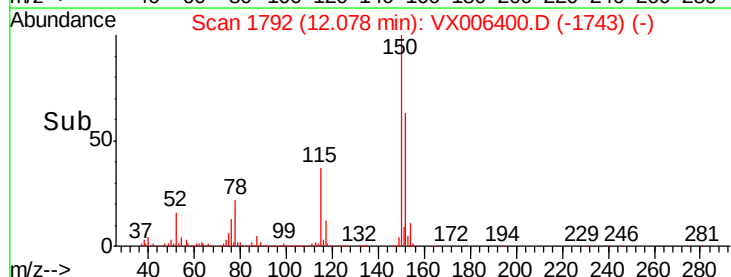
150 156.3 0.0 345.8

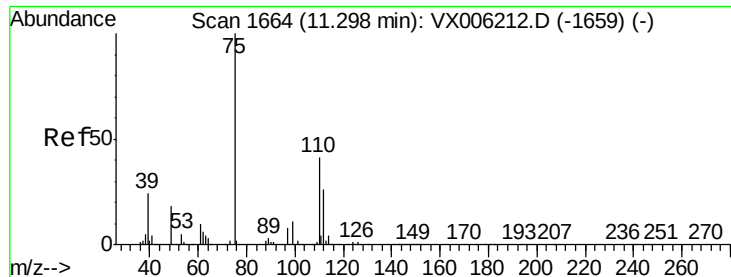


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

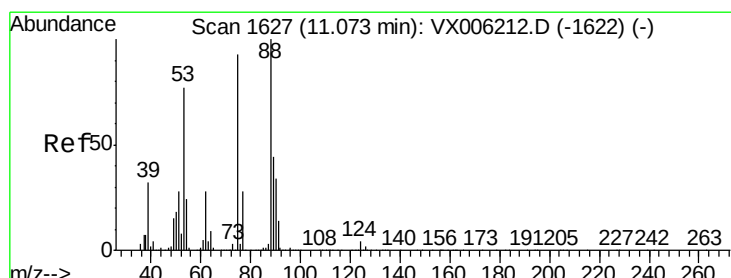
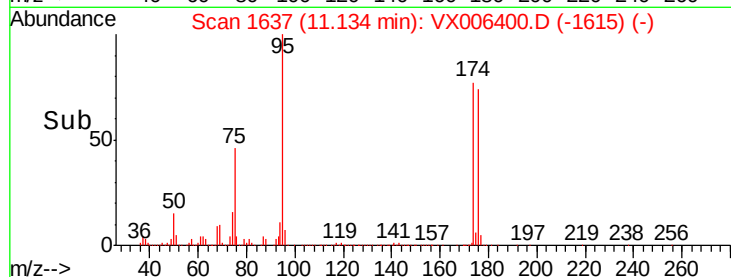
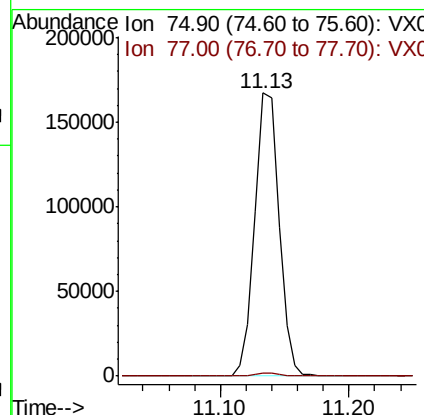
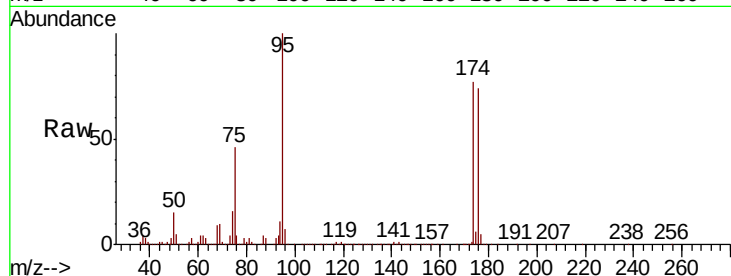




#76
 1,2,3-Trichloropropane
 Concen: 23.753 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006400.D
 Acq: 11 Dec 2018 05:32

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-104D1-20181206

Tot Ion: 75 Resp: 216699
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.9 59.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.742 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006400.D
 Acq: 11 Dec 2018 05:32

Tgt Ion: 75 Resp: 216699
 Ion Ratio Lower Upper
 75 100
 53 0.2 64.4 96.6#
 89 0.0 44.2 66.4#

