

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006465.D
 Acq On : 13 Dec 2018 01:05
 Operator : JC/MD
 Sample : J6371-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01_121118

Quant Time: Dec 13 06:57:10 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	693321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1063165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	978631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	470248	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	356484	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
35) Dibromofluoromethane	5.51	113	323968	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
50) Toluene-d8	8.71	98	1250354	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	11.13	95	461963	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	

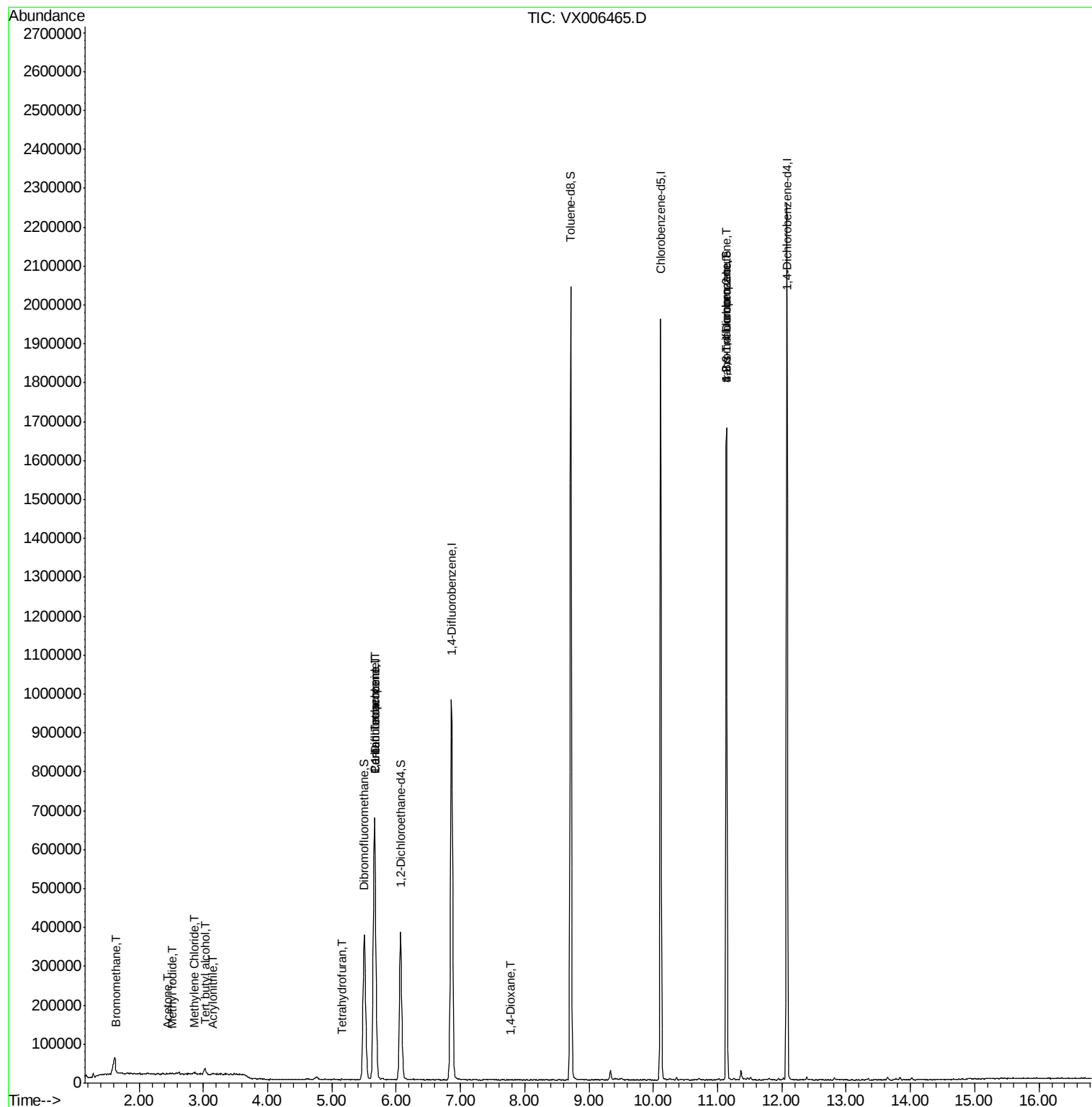
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1425	0.274	ug/l	91
10) Methyl Iodide	2.52	142	2540	0.257	ug/l #	81
11) Tert butyl alcohol	3.02	59	10231	5.286	ug/l #	73
15) Acrylonitrile	3.15	53	988	0.245	ug/l #	20
16) Acetone	2.45	43	3098	0.933	ug/l	89
20) Methylene Chloride	2.86	84	2874	0.407	ug/l #	81
29) Tetrahydrofuran	5.16	42	896	0.272	ug/l #	83
36) 1,1-Dichloropropene	5.66	75	44607	4.982	ug/l #	48
38) Carbon Tetrachloride	5.67	117	64415	6.116	ug/l #	16
49) 1,4-Dioxane	7.78	88	368	1.836	ug/l #	65
76) 1,2,3-Trichloropropane	11.13	75	209736	23.107	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	209736	54.227	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: VX006465.D

Acq: 13 Dec 2018 01:05

Instrument :

MSVOA_X

ClientSampleId :

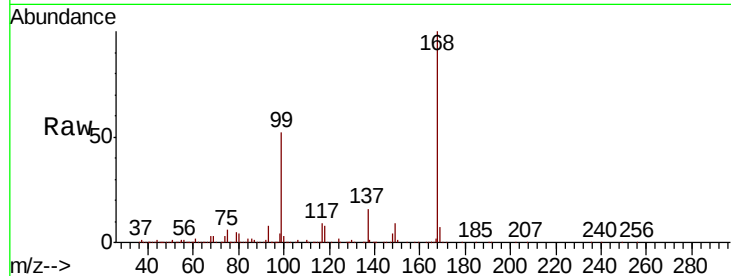
FB01_121118

Tot Ion:168 Resp: 693321

Ion Ratio Lower Upper

168 100

99 51.9 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

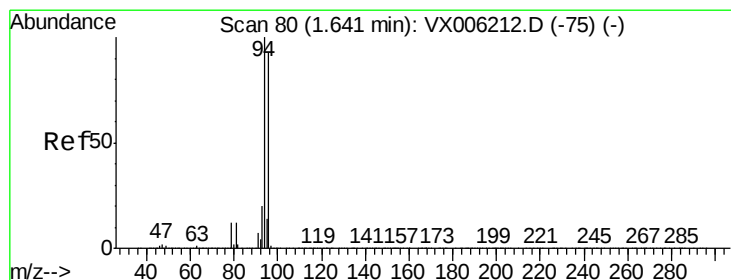
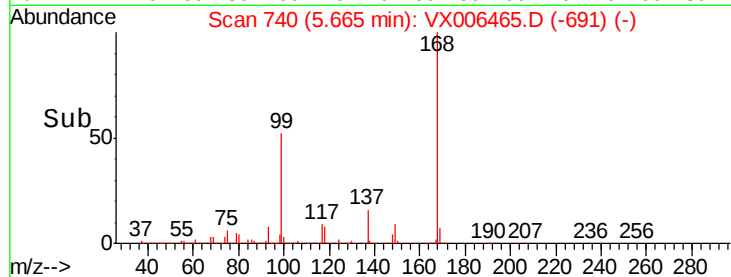
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.274 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006465.D

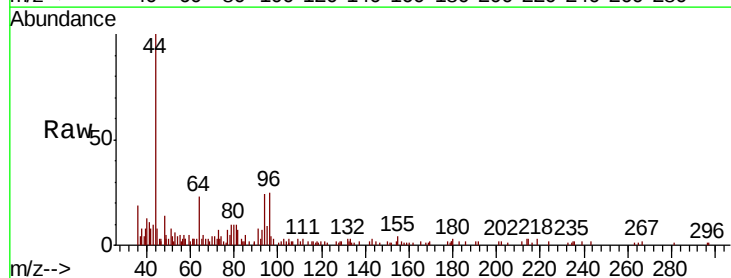
Acq: 13 Dec 2018 01:05

Tgt Ion: 94 Resp: 1425

Ion Ratio Lower Upper

94 100

96 101.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

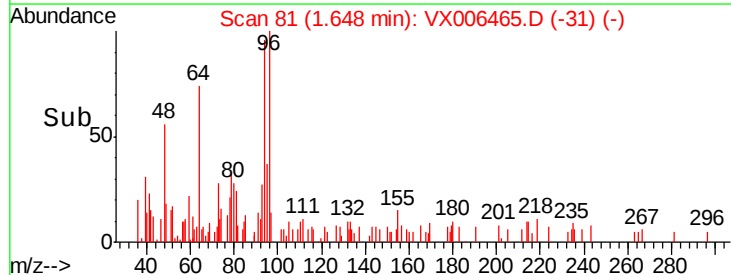
1.65

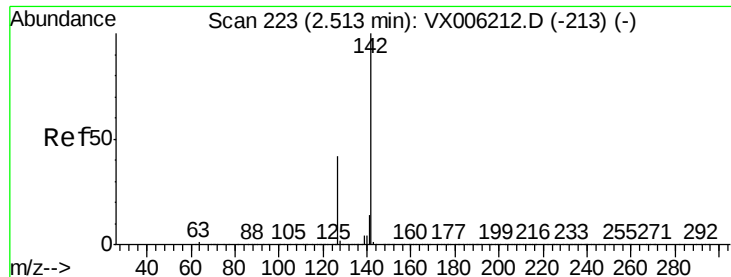
1000

500

0

Time-->

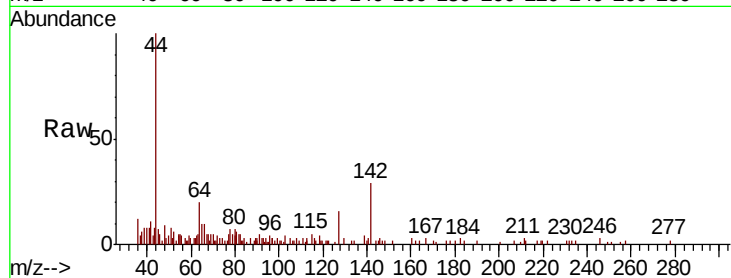




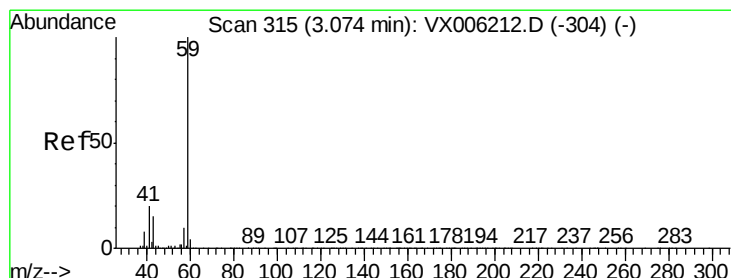
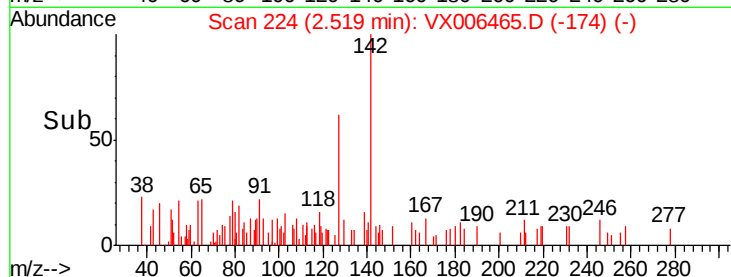
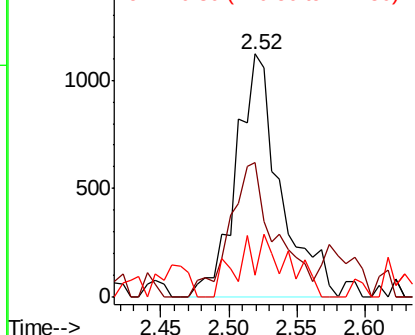
#10
Methyl Iodide
Concen: 0.257 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX006465.D
Acq: 13 Dec 2018 01:05

Instrument :
MSVOA_X
ClientSampled :
FB01_121118

Tot Ion:142 Resp: 2540
Ion Ratio Lower Upper
142 100
127 57.2 34.8 52.2#
141 19.7 11.4 17.2#

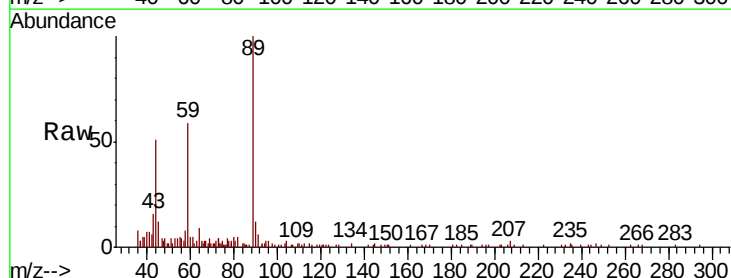


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

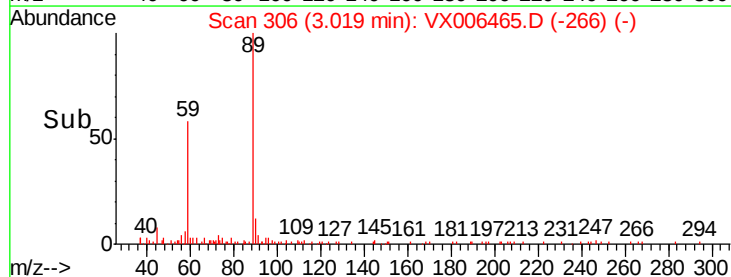
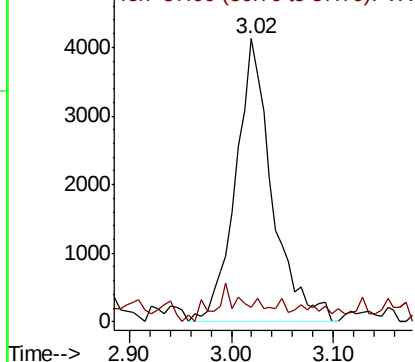


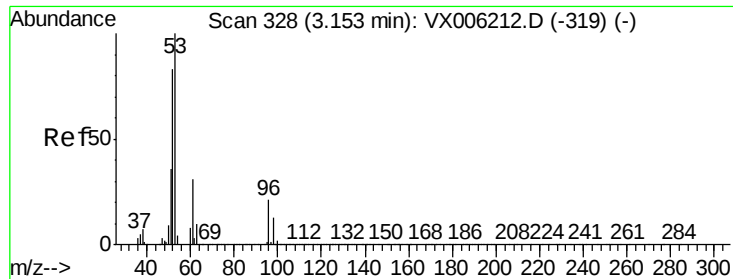
#11
Tert butyl alcohol
Concen: 5.286 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX006465.D
Acq: 13 Dec 2018 01:05

Tgt Ion: 59 Resp: 10231
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#15

Acrylonitrile

Concen: 0.245 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006465.D

Acq: 13 Dec 2018 01:05

Instrument :

MSVOA_X

ClientSampleId :

FB01_121118

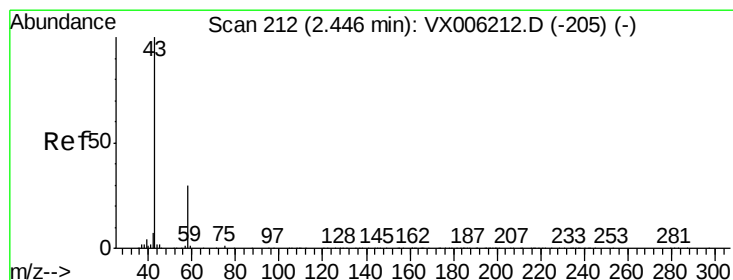
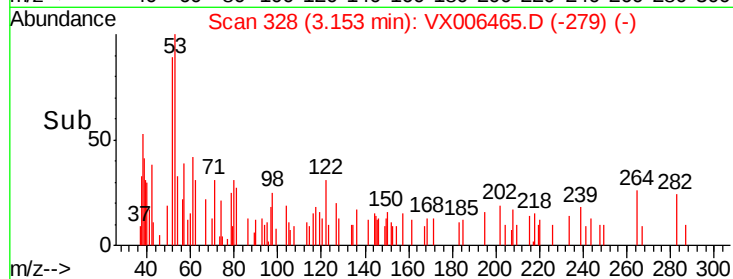
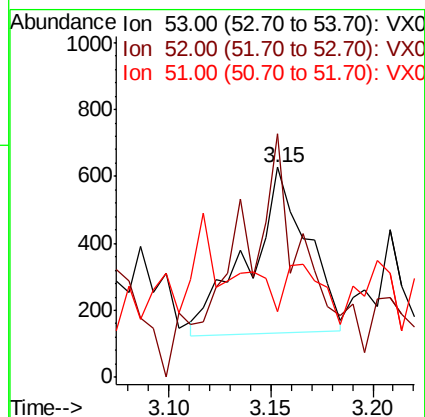
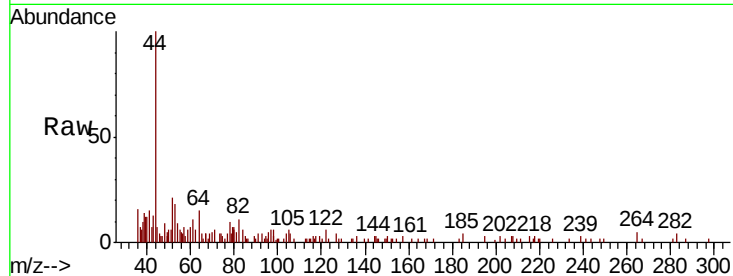
Tot Ion: 53 Resp: 988

Ion Ratio Lower Upper

53 100

52 180.4 66.2 99.4#

51 26.7 28.7 43.1#



#16

Acetone

Concen: 0.933 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006465.D

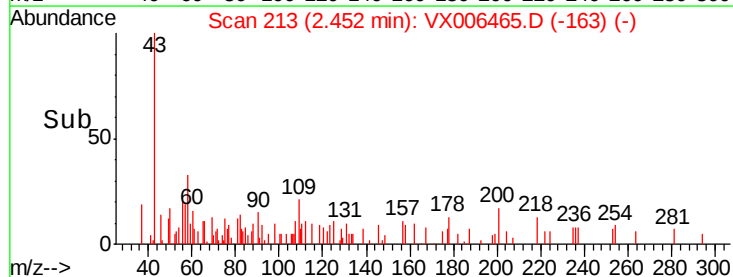
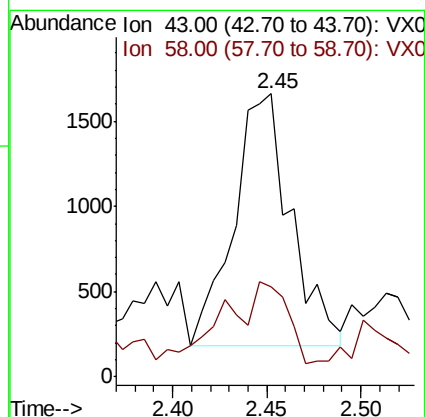
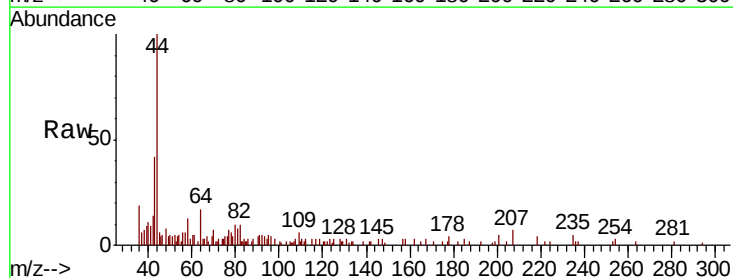
Acq: 13 Dec 2018 01:05

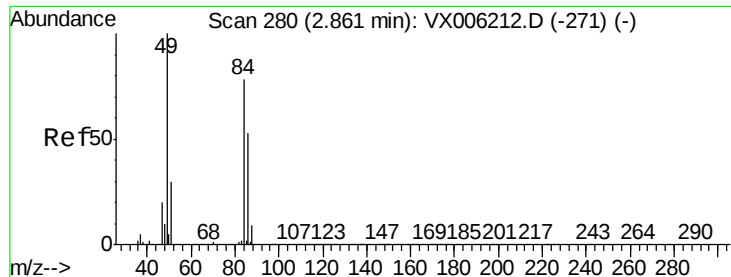
Tgt Ion: 43 Resp: 3098

Ion Ratio Lower Upper

43 100

58 24.3 24.0 36.0





#20

Methylene Chloride

Concen: 0.407 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX006465.D

Acq: 13 Dec 2018 01:05

Instrument :

MSVOA_X

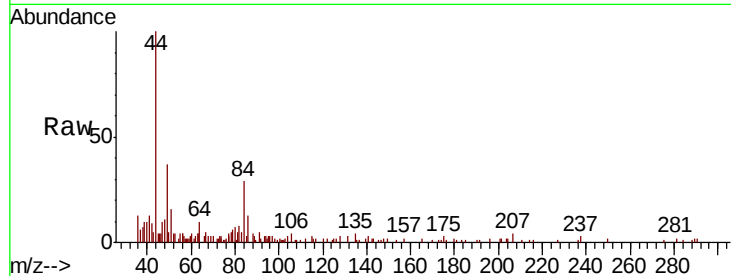
ClientSampled :

FB01_121118

Tot Ion: 84 Resp: 2874

Ion Ratio Lower Upper

84	100		
49	115.8	102.2	153.4
51	31.6	31.1	46.7
86	35.7	53.7	80.5#



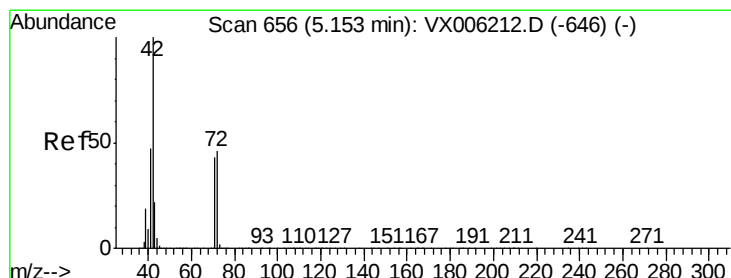
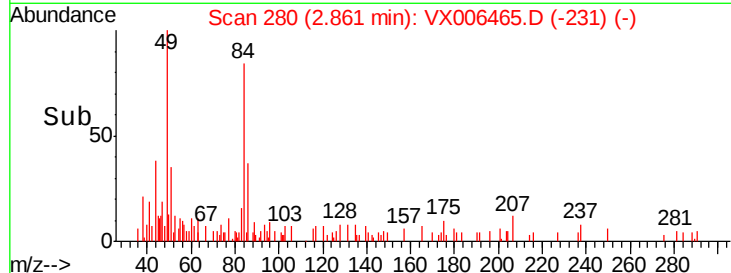
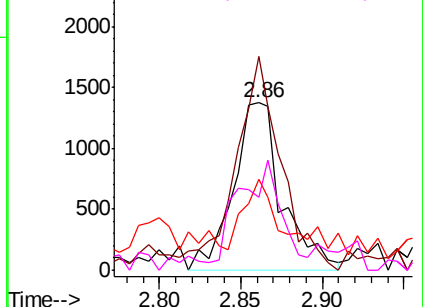
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29

Tetrahydrofuran

Concen: 0.272 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

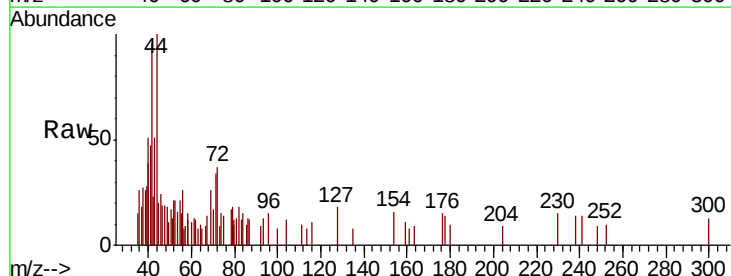
Lab File: VX006465.D

Acq: 13 Dec 2018 01:05

Tgt Ion: 42 Resp: 896

Ion Ratio Lower Upper

42	100		
72	42.0	37.8	56.8
71	60.7	35.2	52.8#

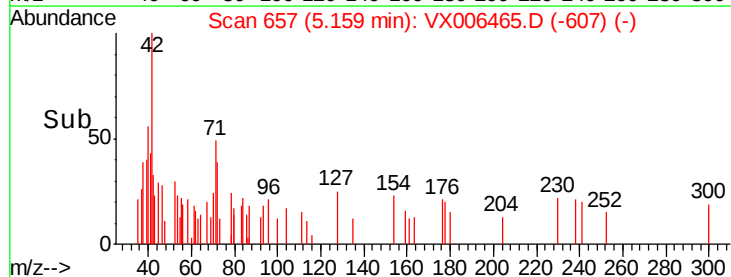
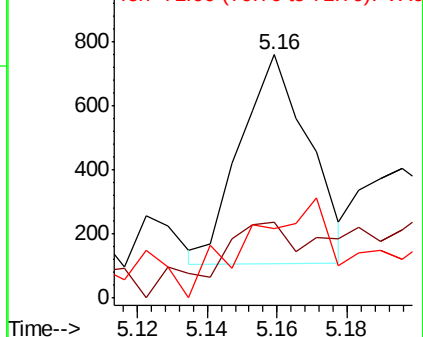


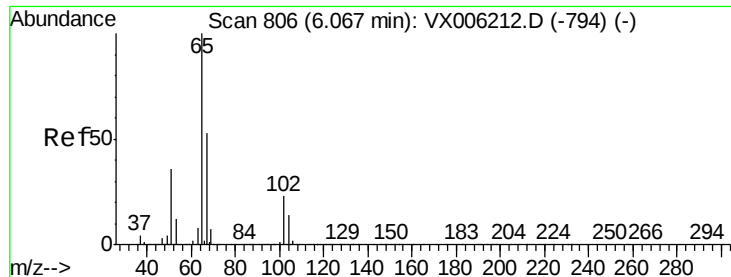
Abundance

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

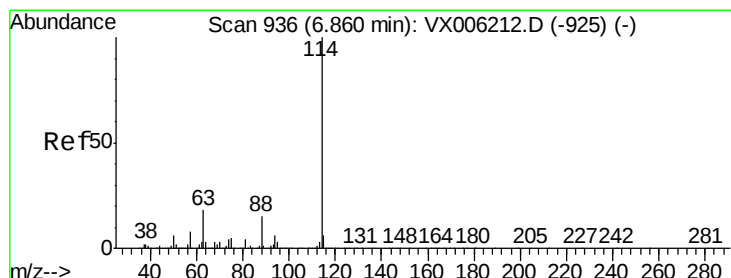
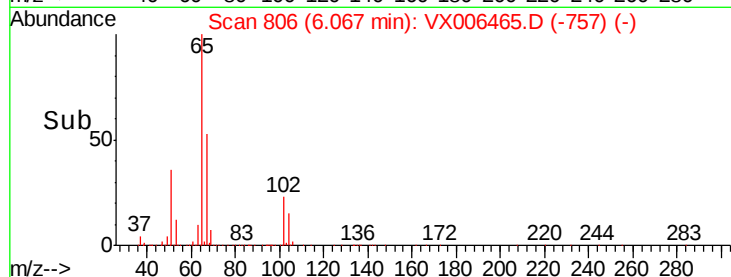
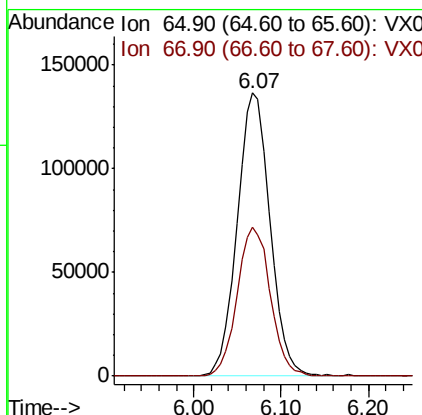
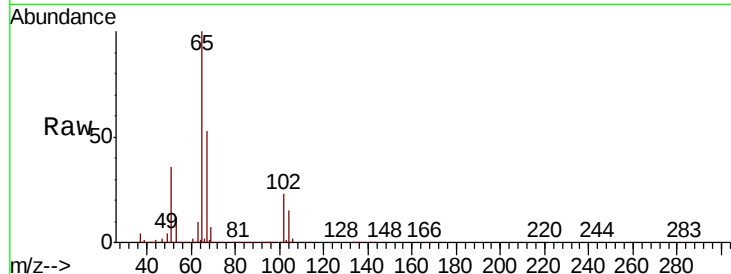




#33
 1,2-Dichloroethane-d4
 Concen: 50.367 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006465.D
 Acq: 13 Dec 2018 01:05

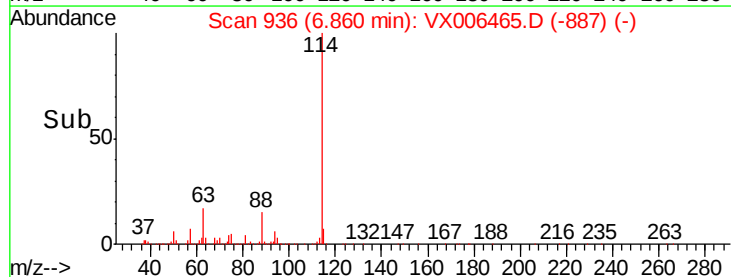
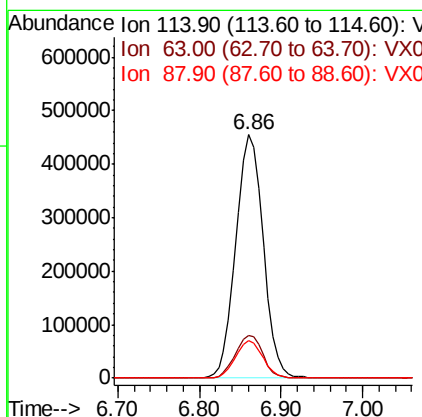
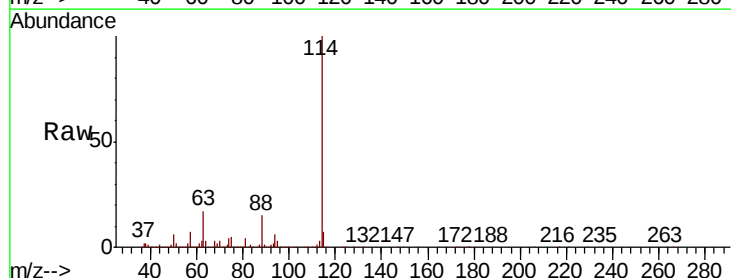
Instrument :
 MSVOA_X
 ClientSampleId :
 FB01_121118

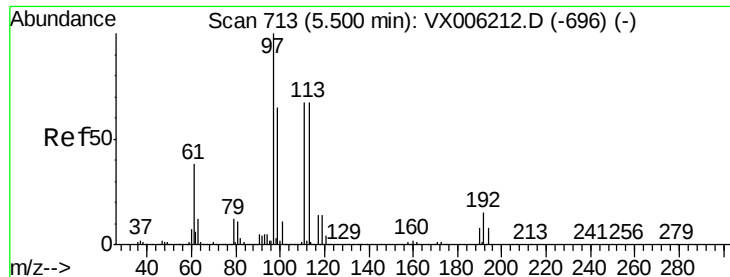
Tot Ion: 65 Resp: 356484
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006465.D
 Acq: 13 Dec 2018 01:05

Tgt Ion: 114 Resp: 1063165
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.6
 88 15.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.064 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006465.D

Acq: 13 Dec 2018 01:05

Instrument :

MSVOA_X

ClientSampleId :

FB01_121118

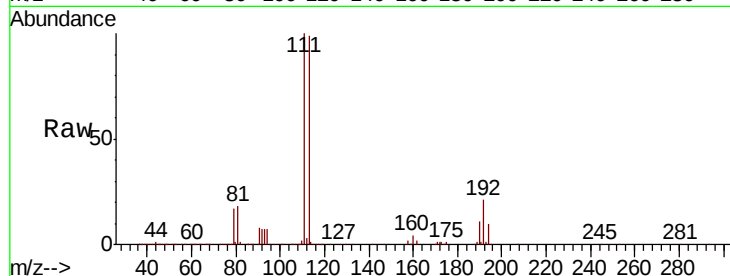
Tot Ion:113 Resp: 323968

Ion Ratio Lower Upper

113 100

111 101.6 81.1 121.7

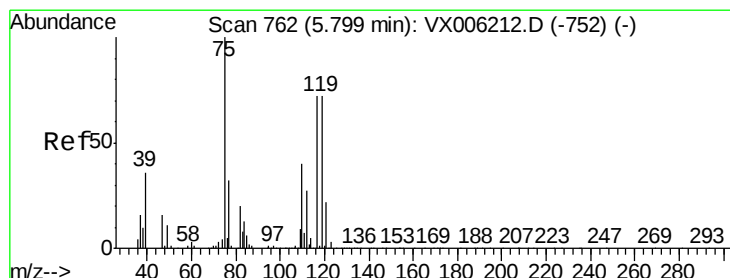
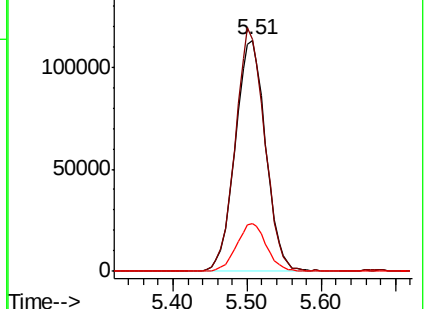
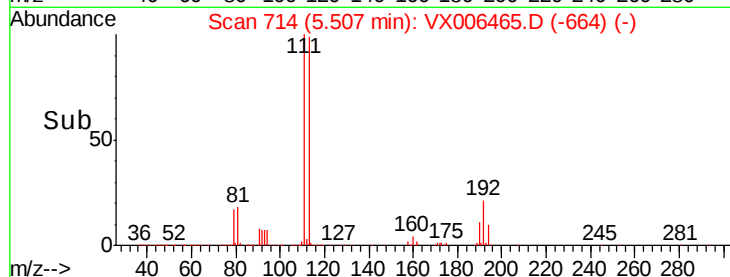
192 20.3 18.2 27.2



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: 4.982 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006465.D

Acq: 13 Dec 2018 01:05

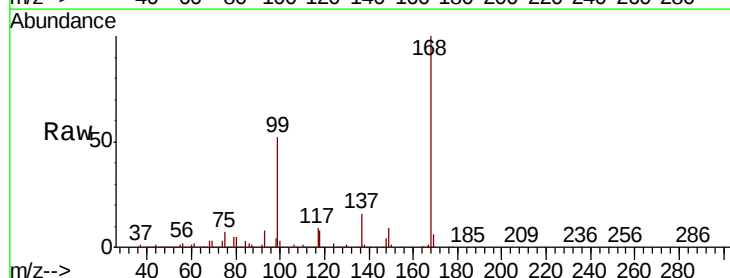
Tgt Ion: 75 Resp: 44607

Ion Ratio Lower Upper

75 100

110 9.8 20.4 61.3#

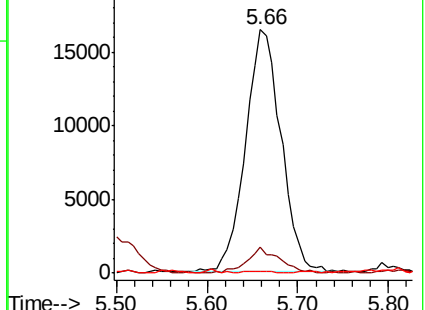
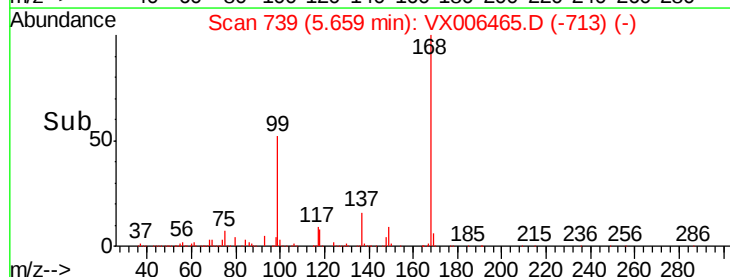
77 0.6 24.9 37.3#

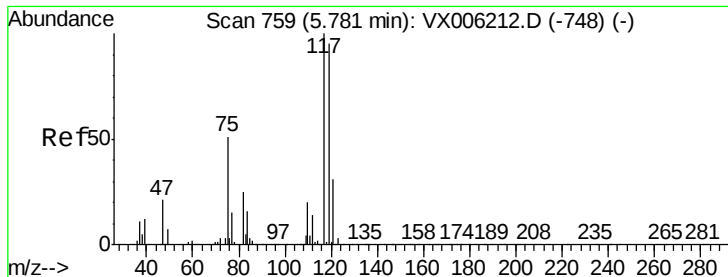


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.116 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006465.D

Acq: 13 Dec 2018 01:05

Instrument :

MSVOA_X

ClientSampleId :

FB01_121118

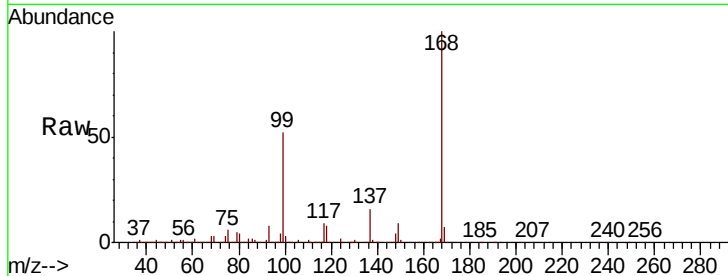
Tot Ion:117 Resp: 64415

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.8#

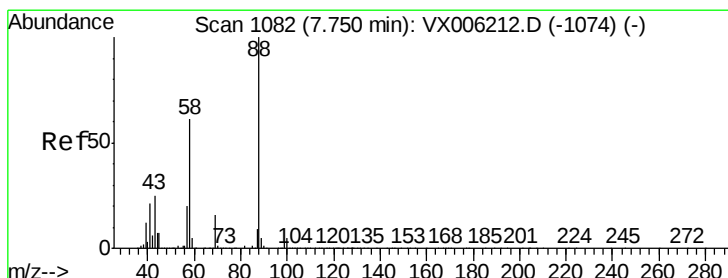
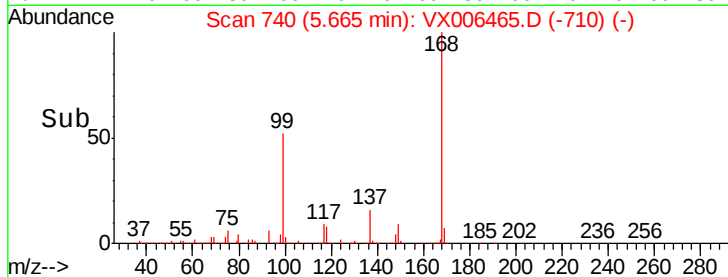
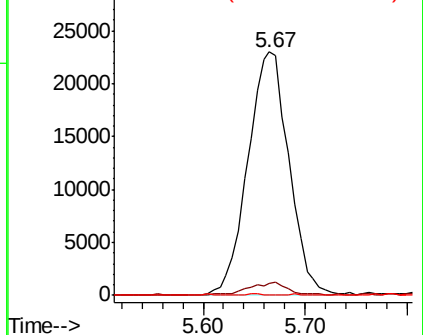
121 0.3 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.836 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.03 min

Lab File: VX006465.D

Acq: 13 Dec 2018 01:05

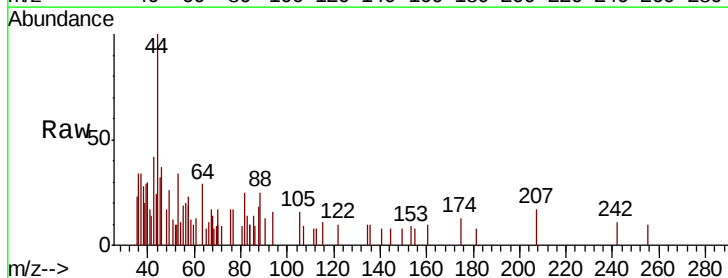
Tgt Ion: 88 Resp: 368

Ion Ratio Lower Upper

88 100

43 35.9 23.2 34.8#

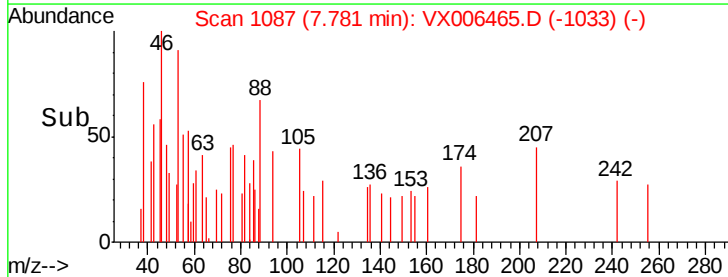
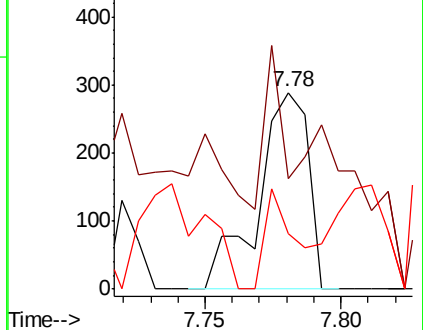
58 28.8 51.4 77.0#

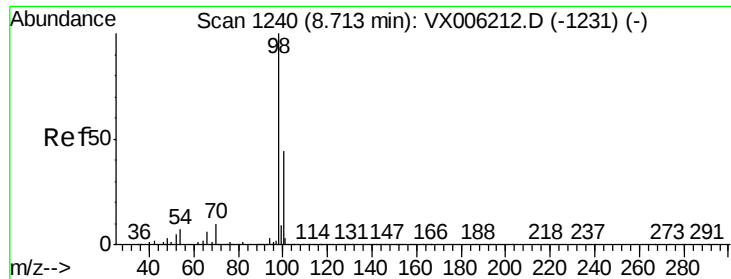


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.937 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006465.D

Acq: 13 Dec 2018 01:05

Instrument :

MSVOA_X

ClientSampleId :

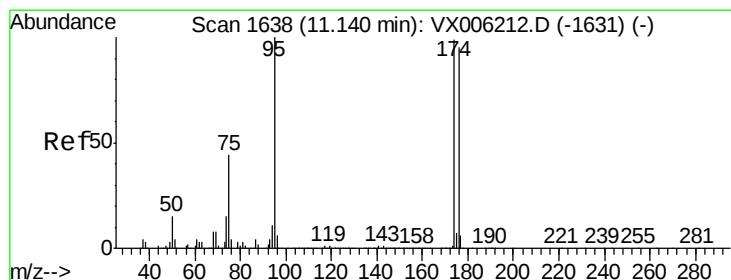
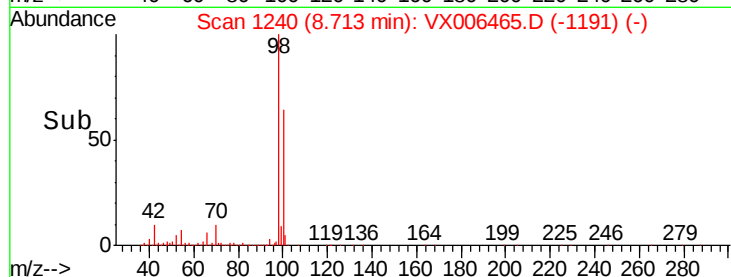
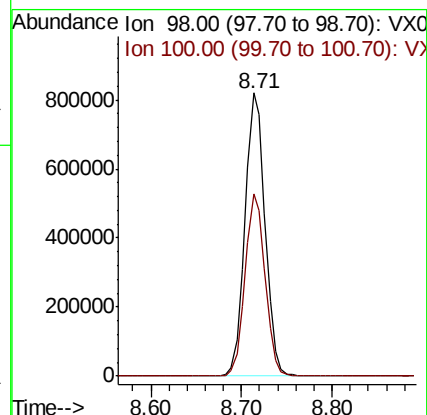
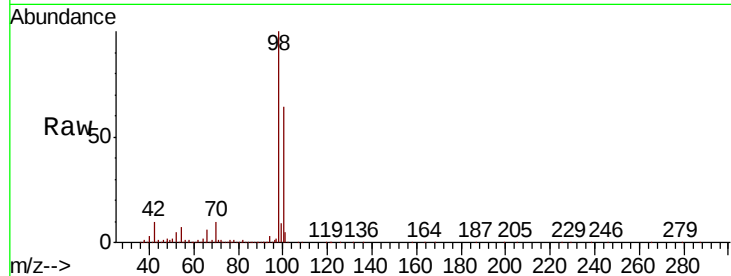
FB01_121118

Tot Ion: 98 Resp: 1250354

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.962 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006465.D

Acq: 13 Dec 2018 01:05

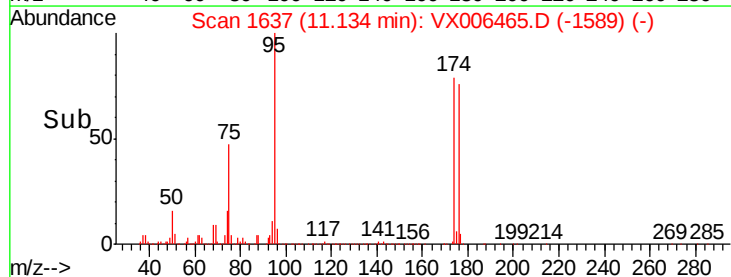
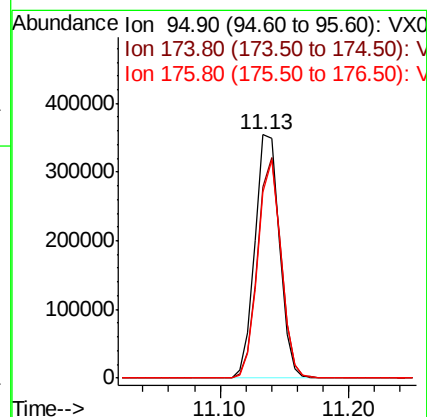
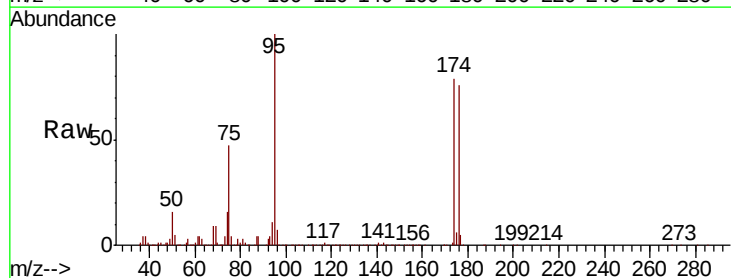
Tgt Ion: 95 Resp: 461963

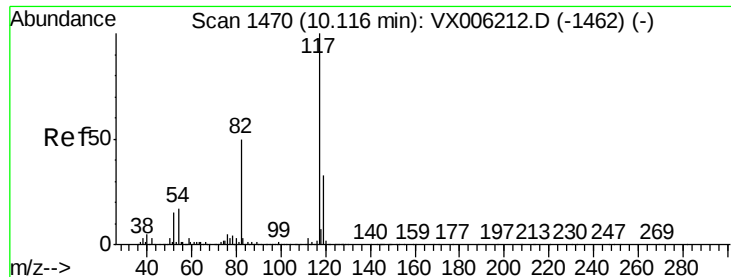
Ion Ratio Lower Upper

95 100

174 86.6 0.0 187.0

176 84.7 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: VX006465.D

Acq: 13 Dec 2018 01:05

Instrument :

MSVOA_X

ClientSampleId :

FB01_121118

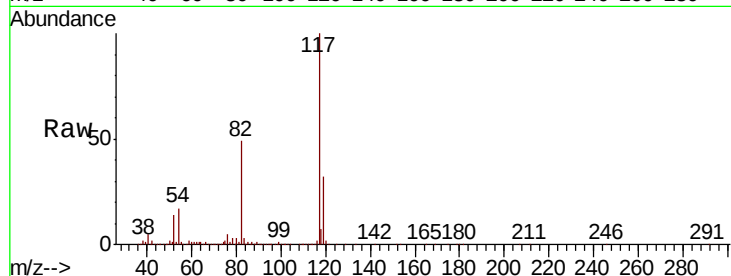
Tot Ion:117 Resp: 978631

Ion Ratio Lower Upper

117 100

82 48.7 39.6 59.4

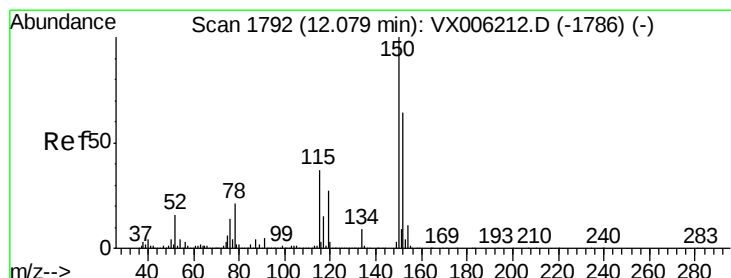
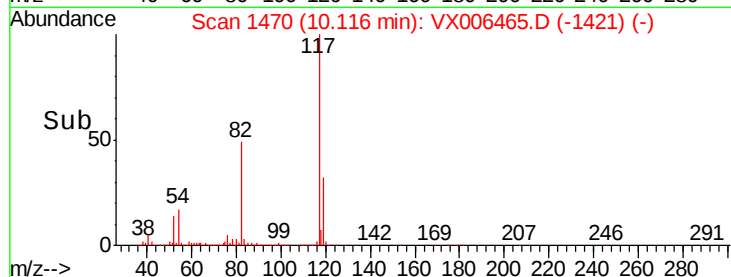
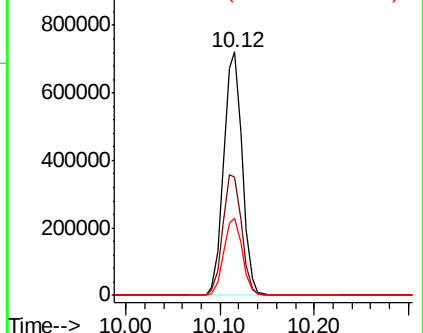
119 31.6 26.3 39.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): 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: VX006465.D

Acq: 13 Dec 2018 01:05

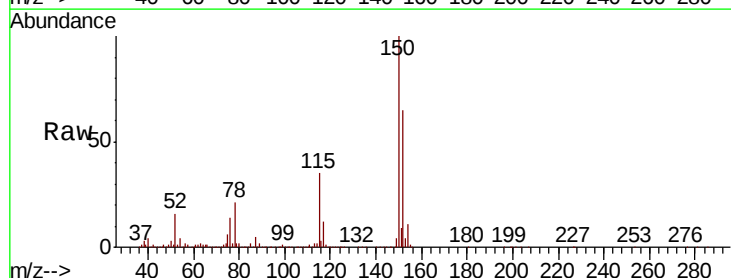
Tgt Ion:152 Resp: 470248

Ion Ratio Lower Upper

152 100

115 56.0 39.0 116.9

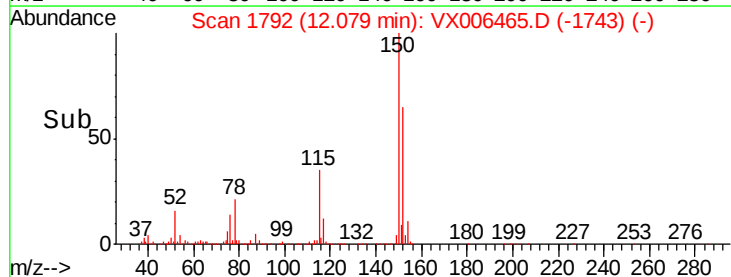
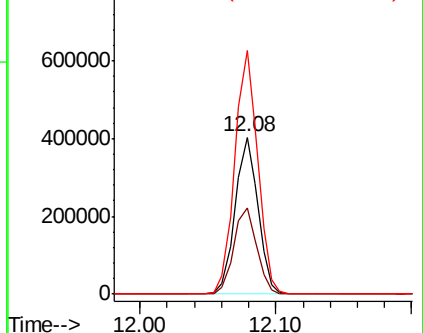
150 155.8 0.0 345.8

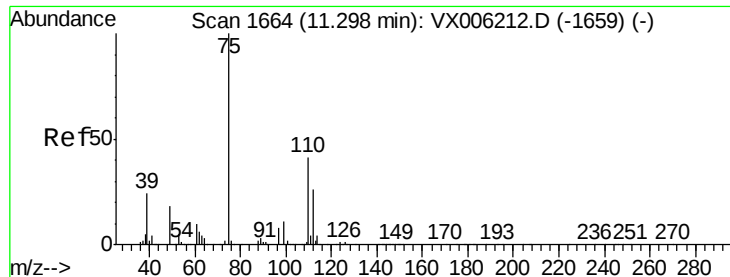


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.107 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006465.D

Acq: 13 Dec 2018 01:05

Instrument :

MSVOA_X

ClientSampleId :

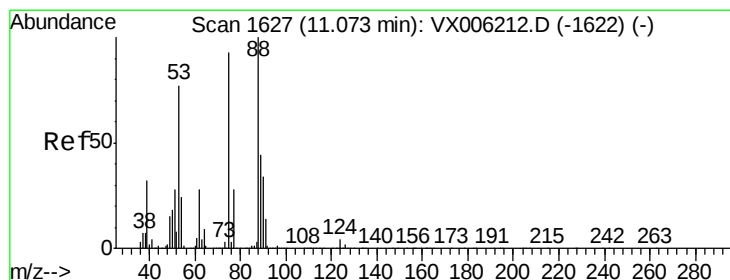
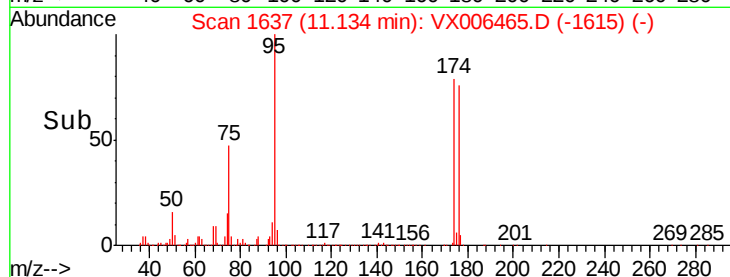
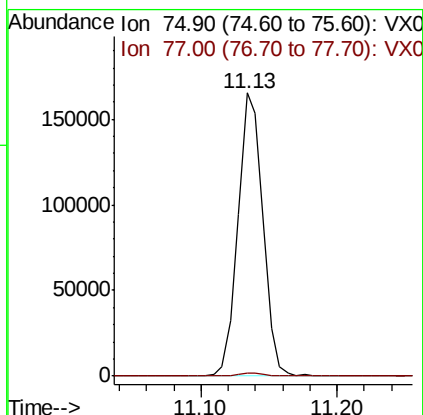
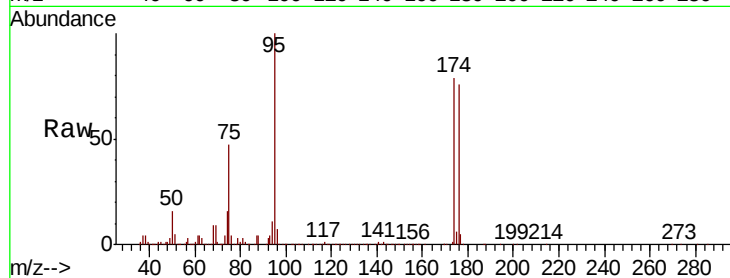
FB01_121118

Tot Ion: 75 Resp: 209736

Ion Ratio Lower Upper

75 100

77 1.2 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.227 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006465.D

Acq: 13 Dec 2018 01:05

Tgt Ion: 75 Resp: 209736

Ion Ratio Lower Upper

75 100

53 0.2 64.4 96.6#

89 0.0 44.2 66.4#

