

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121318\
 Data File : VX006491.D
 Acq On : 13 Dec 2018 13:31
 Operator : JC/MD
 Sample : J6351-01RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-181210

Quant Time: Dec 14 00:15:19 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	629203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1004606	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	917479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	436240	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	340933	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
35) Dibromofluoromethane	5.50	113	303157	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	8.71	98	1184851	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	11.13	95	435514	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	

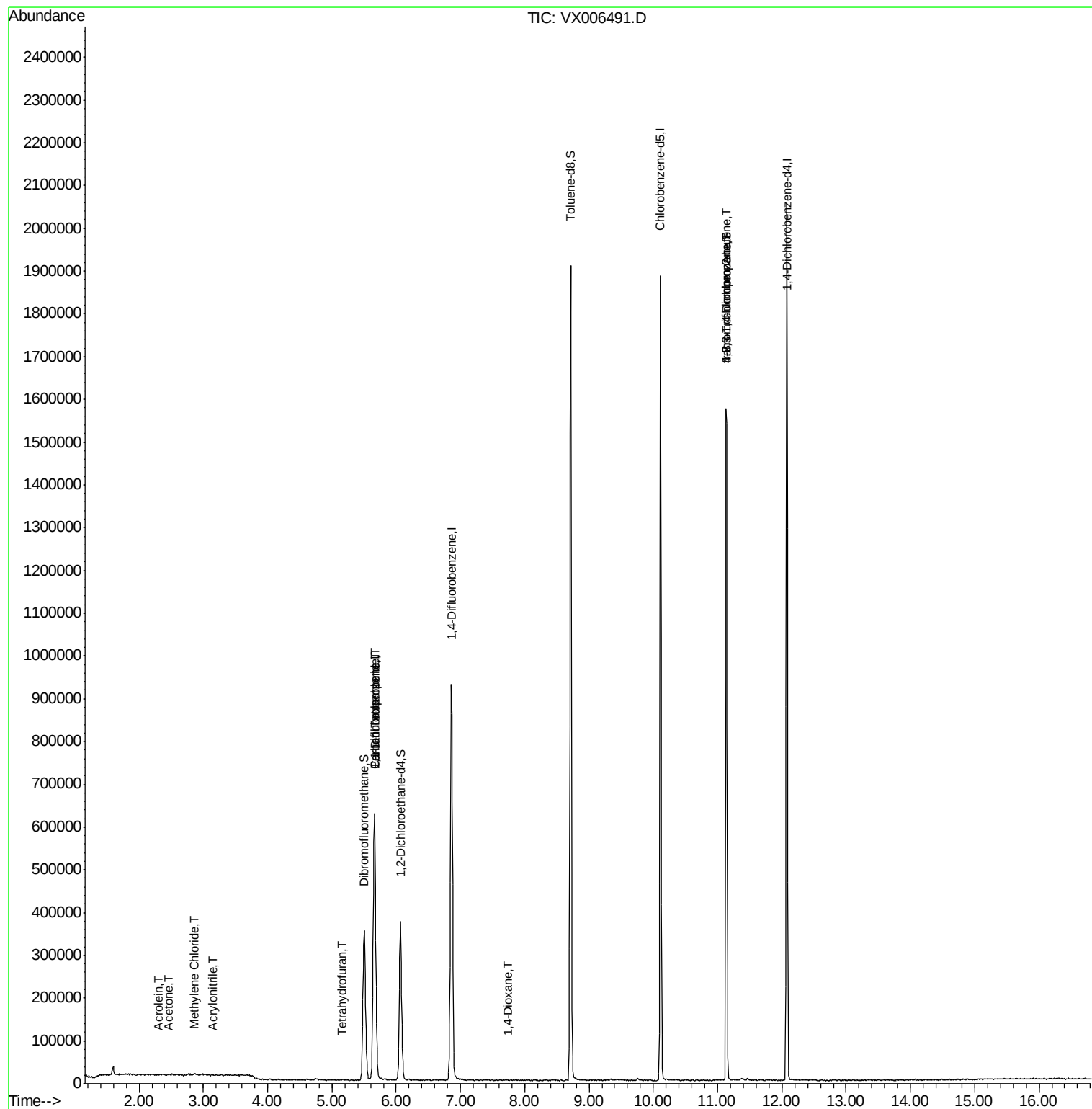
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.31	56	203	0.211	ug/l #	13
15) Acrylonitrile	3.15	53	847	0.231	ug/l #	77
16) Acetone	2.46	43	844	0.280	ug/l #	55
20) Methylene Chloride	2.86	84	2330	0.363	ug/l #	82
29) Tetrahydrofuran	5.15	42	745	0.249	ug/l #	62
36) 1,1-Dichloropropene	5.67	75	44470	5.257	ug/l #	47
38) Carbon Tetrachloride	5.67	117	59607	5.989	ug/l #	17
49) 1,4-Dioxane	7.74	88	94	0.496	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	199500	23.693	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	199500	55.601	ug/l #	15

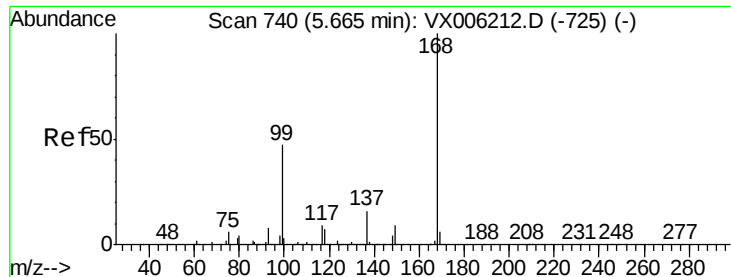
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121318\
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Quant Time: Dec 14 00:15:19 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: VX006491.D

Acq: 13 Dec 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

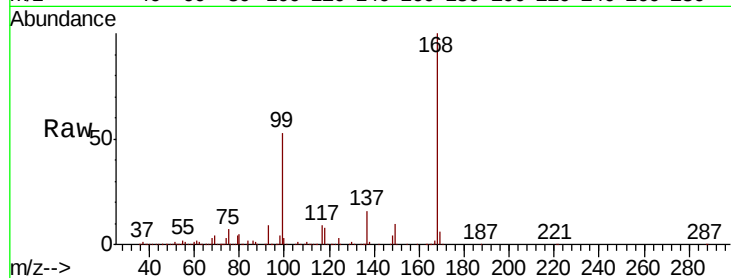
TB-01-181210

Tot Ion:168 Resp: 629203

Ion Ratio Lower Upper

168 100

99 53.4 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

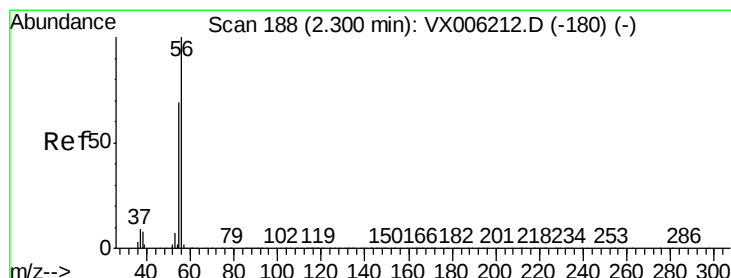
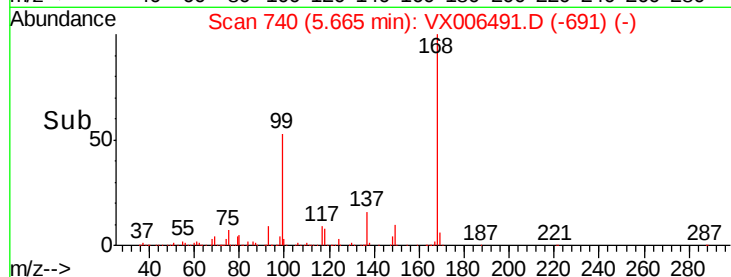
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#13

Acrolein

Concen: 0.211 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX006491.D

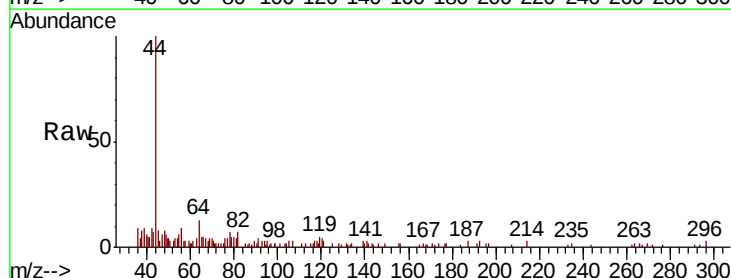
Acq: 13 Dec 2018 13:31

Tgt Ion: 56 Resp: 203

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.31

400

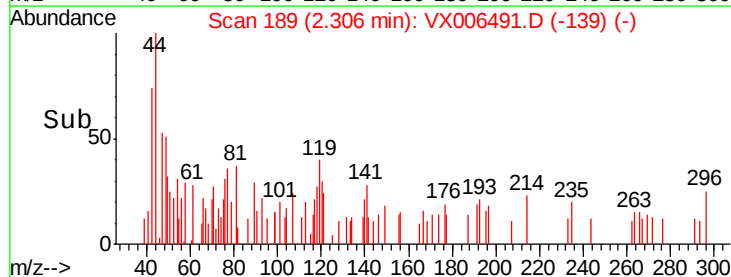
300

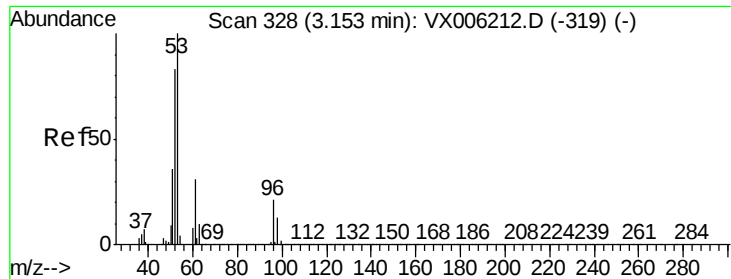
200

100

0

Time--> 2.30 2.31 2.32





#15

Acrylonitrile

Concen: 0.231 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006491.D

Acq: 13 Dec 2018 13:31

Instrument :

MSVOA_X

ClientSampled :

TB-01-181210

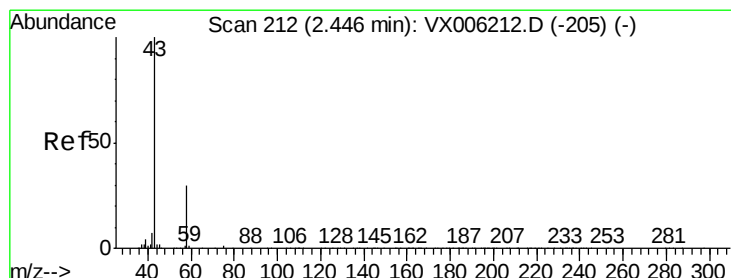
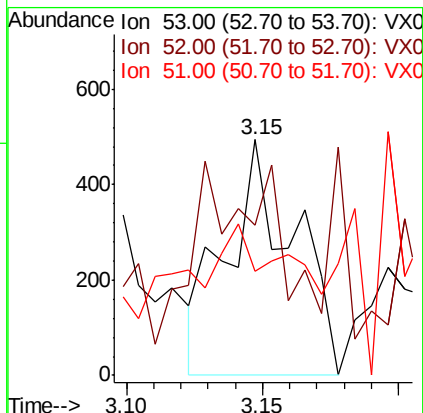
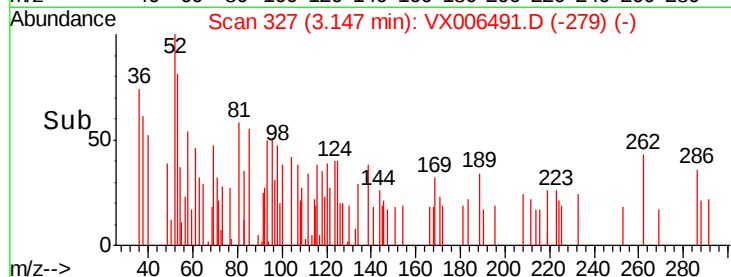
Tot Ion: 53 Resp: 847

Ion Ratio Lower Upper

53 100

52 102.2 66.2 99.4#

51 51.4 28.7 43.1#



#16

Acetone

Concen: 0.280 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX006491.D

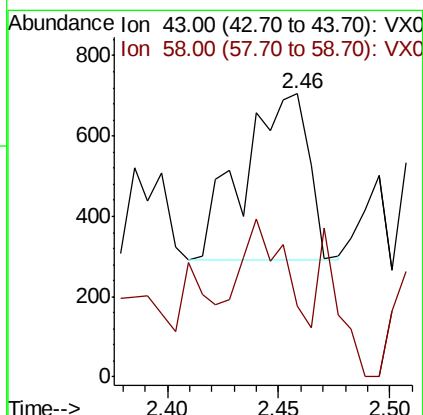
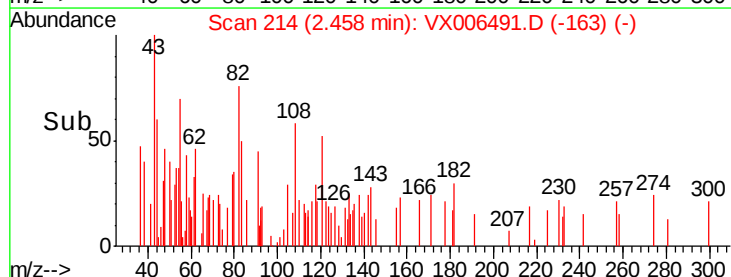
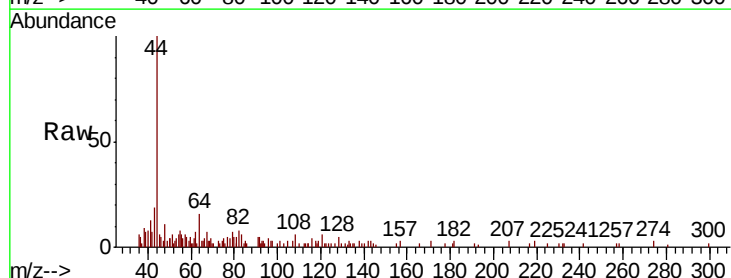
Acq: 13 Dec 2018 13:31

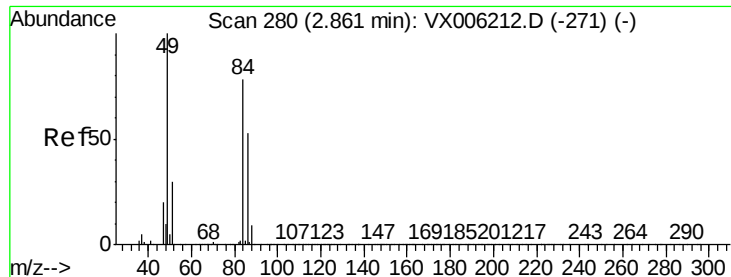
Tgt Ion: 43 Resp: 844

Ion Ratio Lower Upper

43 100

58 5.5 24.0 36.0#

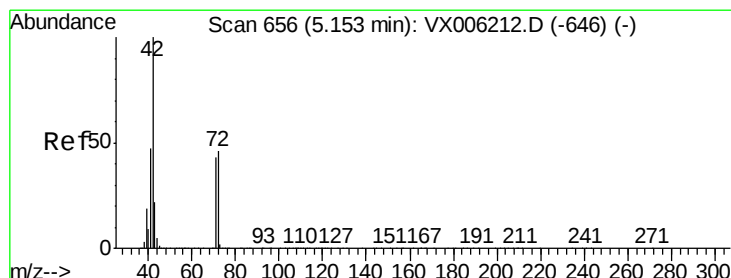
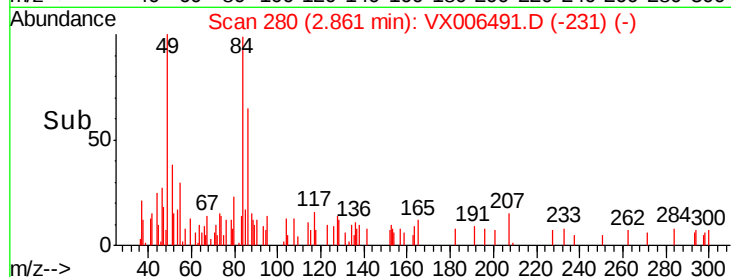
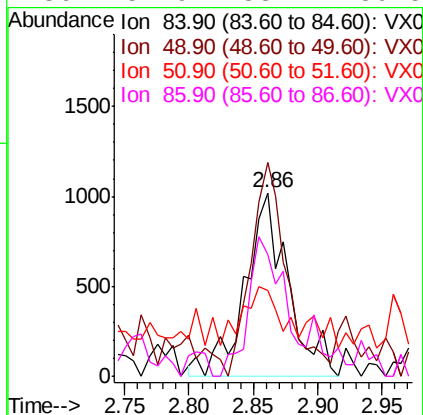
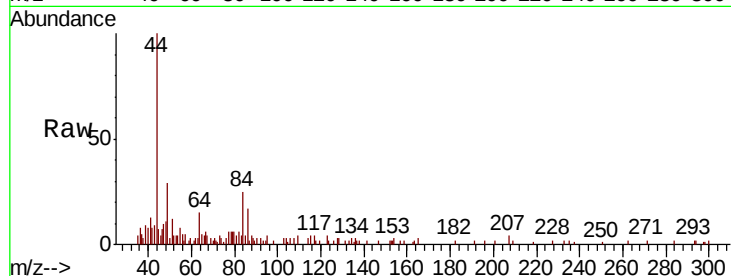




#20
Methvlene Chloride
Concen: 0.363 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006491.D
Acq: 13 Dec 2018 13:31

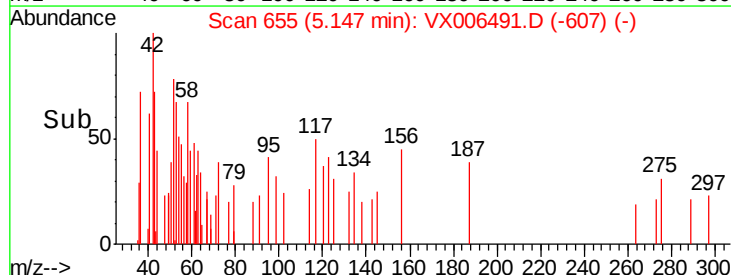
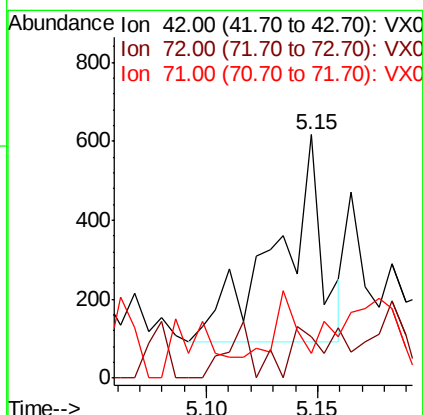
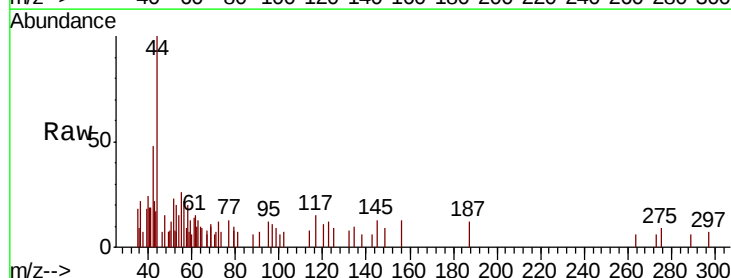
Instrument :
MSVOA_X
ClientSampleId :
TB-01-181210

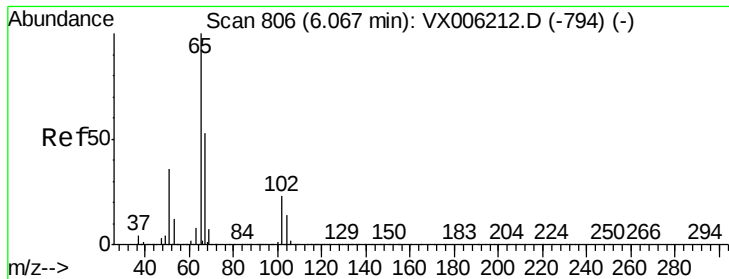
Tot Ion: 84 Resp: 2330
Ion Ratio Lower Upper
84 100
49 99.8 102.2 153.4#
51 33.4 31.1 46.7
86 57.9 53.7 80.5



#29
Tetrahydrofuran
Concen: 0.249 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006491.D
Acq: 13 Dec 2018 13:31

Tgt Ion: 42 Resp: 745
Ion Ratio Lower Upper
42 100
72 14.5 37.8 56.8#
71 26.7 35.2 52.8#





#33

1,2-Dichloroethane-d4

Concen: 53.079 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006491.D

Acq: 13 Dec 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

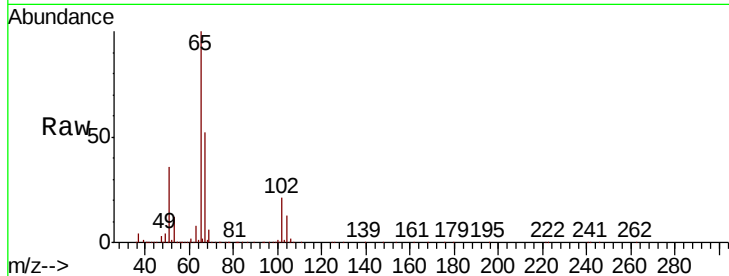
TB-01-181210

Tot Ion: 65 Resp: 340933

Ion Ratio Lower Upper

65 100

67 53.2 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

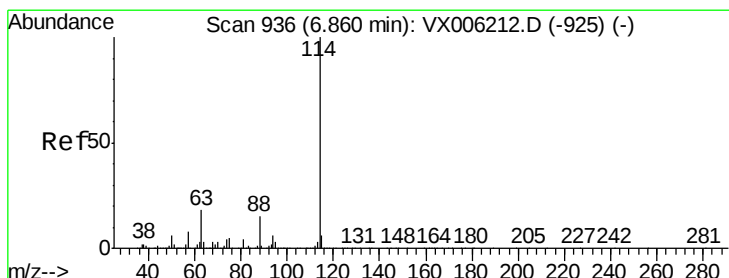
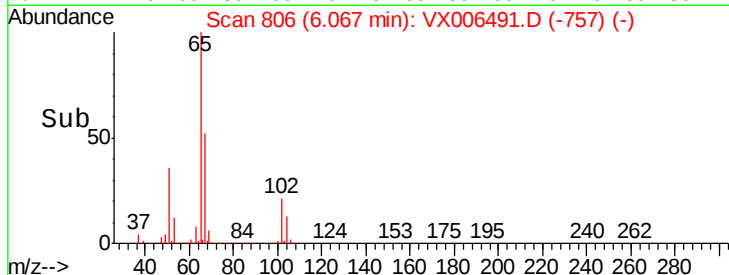
150000

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: VX006491.D

Acq: 13 Dec 2018 13:31

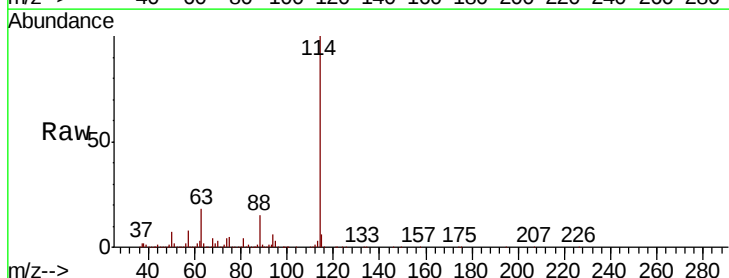
Tgt Ion: 114 Resp: 1004606

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.6

88 15.3 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

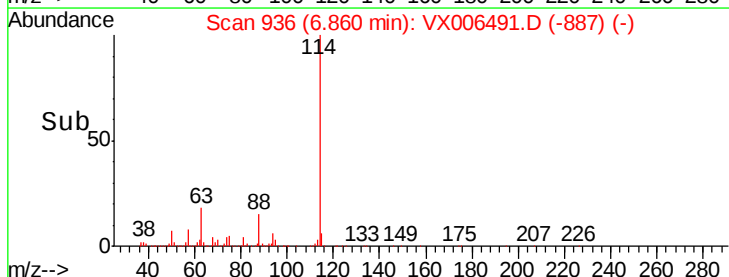
300000

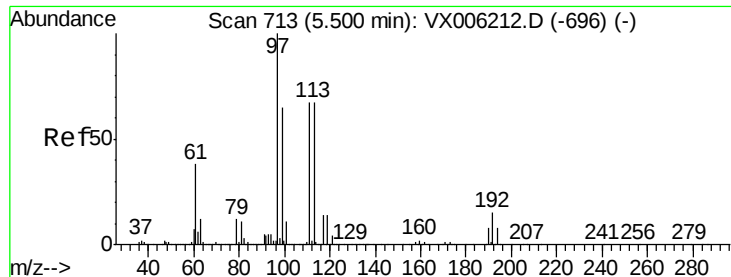
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 46.608 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006491.D

Acq: 13 Dec 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181210

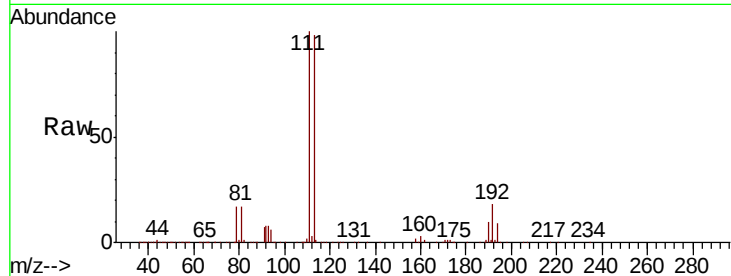
Tot Ion:113 Resp: 303157

Ion Ratio Lower Upper

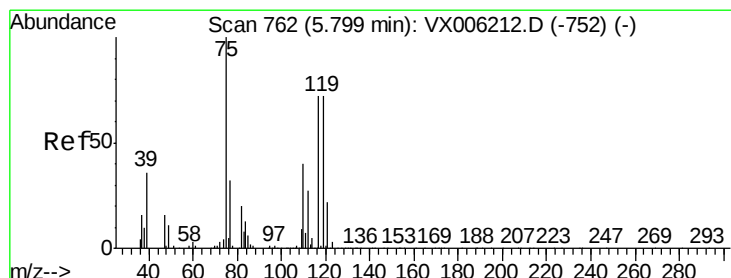
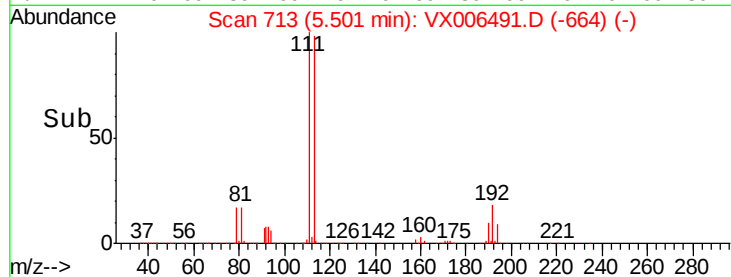
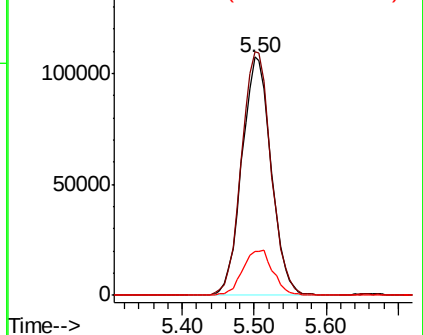
113 100

111 103.0 81.1 121.7

192 19.7 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: 5.257 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006491.D

Acq: 13 Dec 2018 13:31

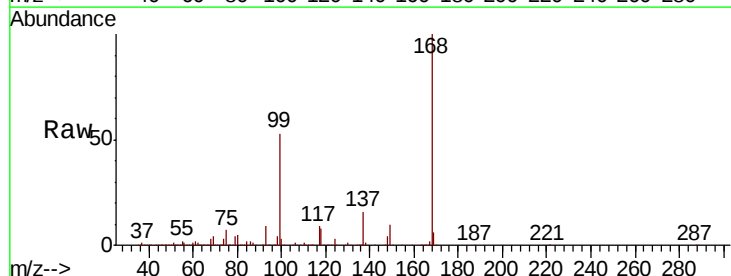
Tgt Ion: 75 Resp: 44470

Ion Ratio Lower Upper

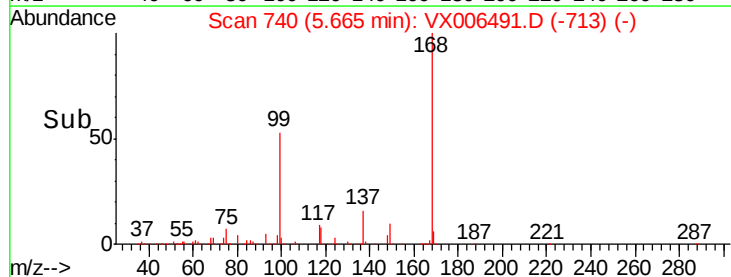
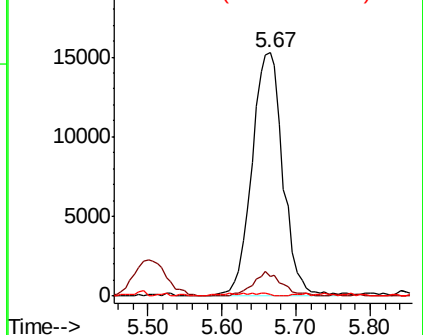
75 100

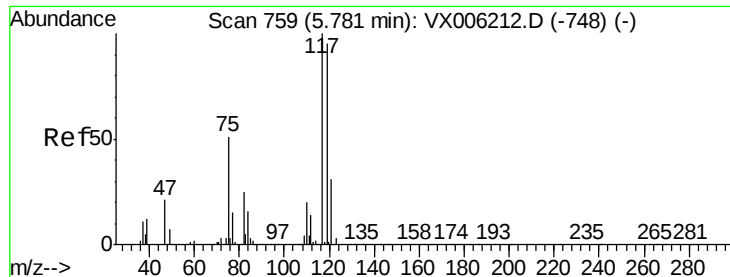
110 9.4 20.4 61.3#

77 0.5 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: 5.989 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006491.D

Acq: 13 Dec 2018 13:31

Instrument :

MSVOA_X

ClientSampled :

TB-01-181210

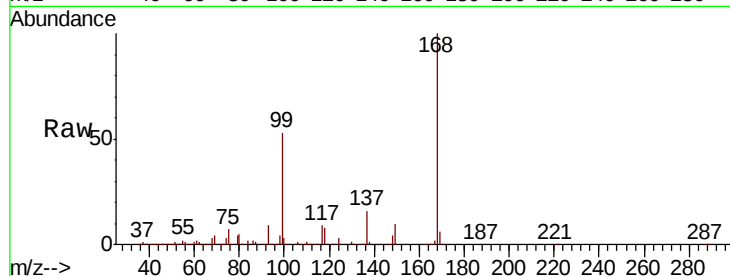
Tot Ion: 117 Resp: 59607

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

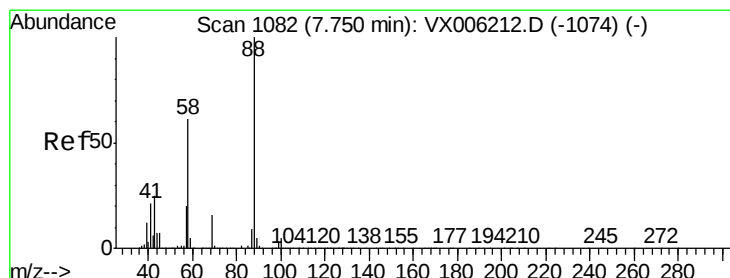
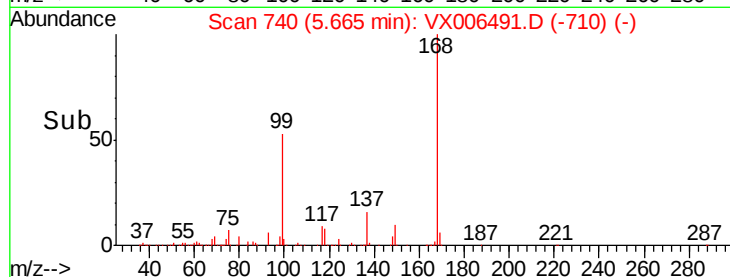
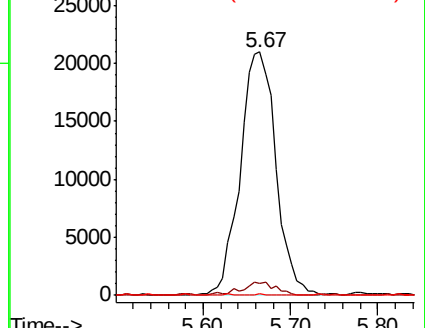
121 0.6 24.6 37.0#



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: 0.496 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX006491.D

Acq: 13 Dec 2018 13:31

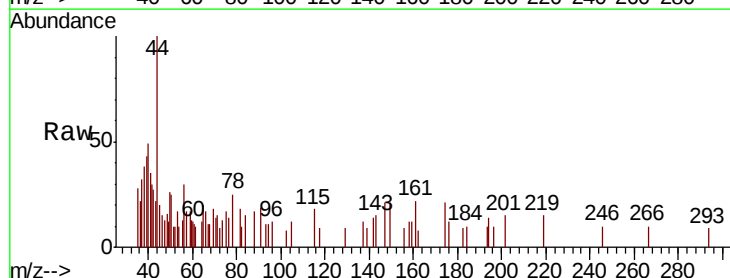
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 264.9 23.2 34.8#

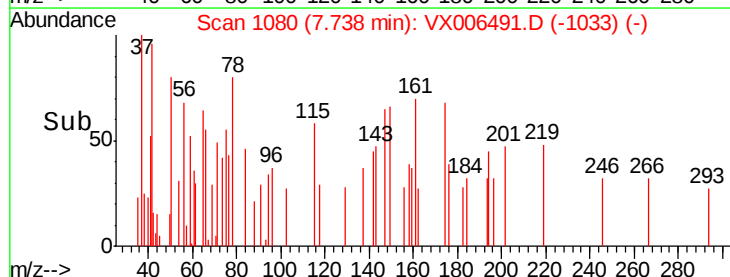
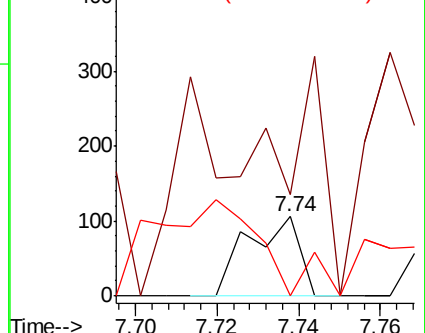
58 0.0 51.4 77.0#



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

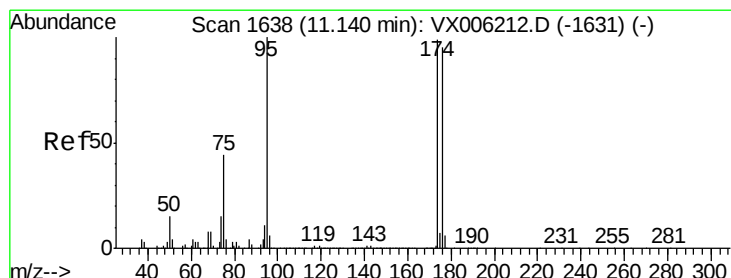
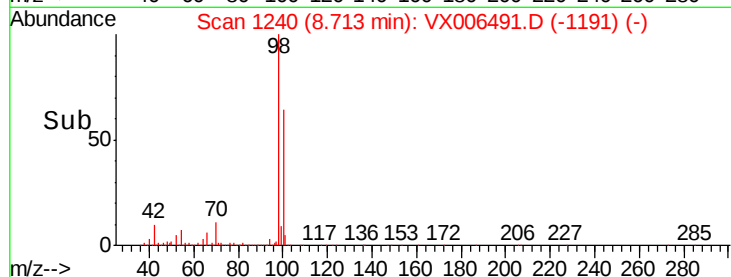
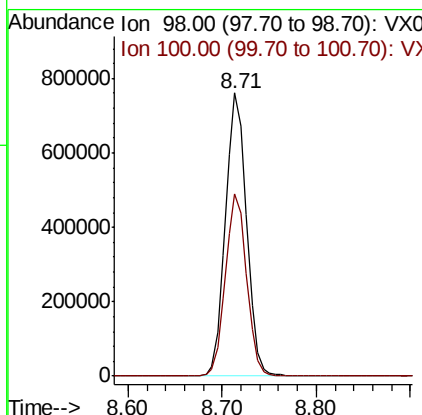
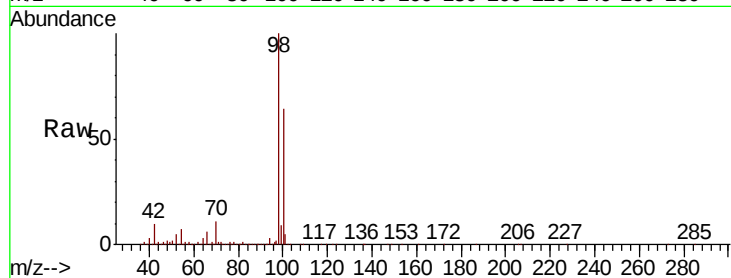




#50
Toluene-d8
Concen: 50.080 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006491.D
Acq: 13 Dec 2018 13:31

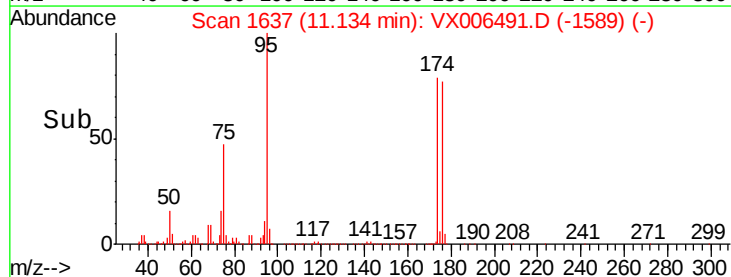
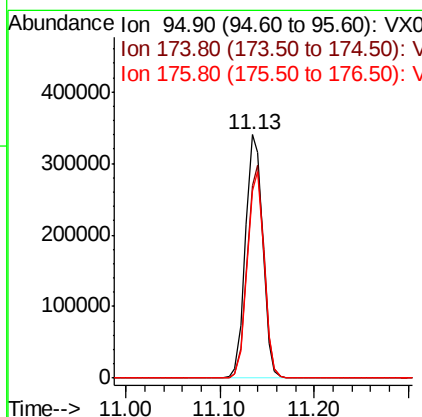
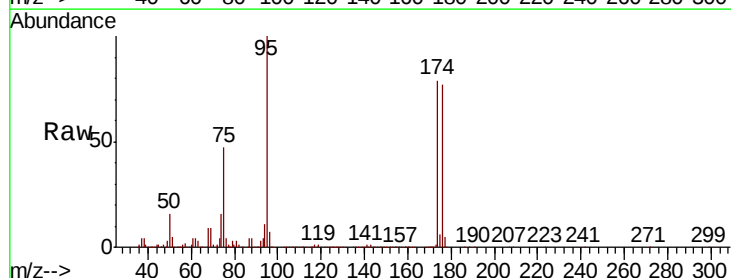
Instrument :
MSVOA_X
ClientSampleId :
TB-01-181210

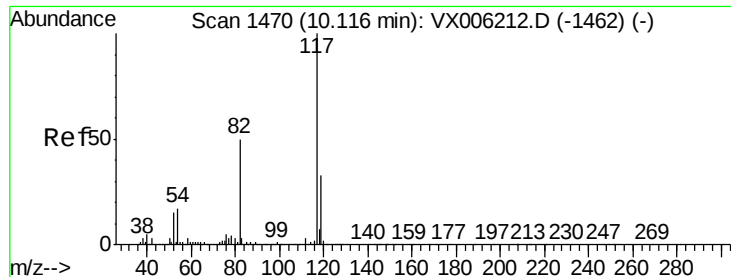
Tot Ion: 98 Resp: 1184851
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 48.849 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006491.D
Acq: 13 Dec 2018 13:31

Tgt Ion: 95 Resp: 435514
Ion Ratio Lower Upper
95 100
174 85.4 0.0 187.0
176 83.0 0.0 181.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX006491.D

Acq: 13 Dec 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181210

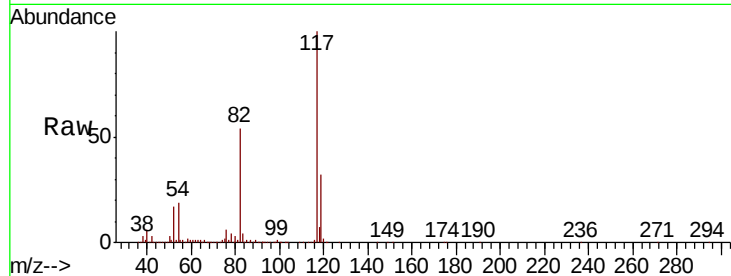
Tot Ion:117 Resp: 917479

Ion Ratio Lower Upper

117 100

82 53.5 39.6 59.4

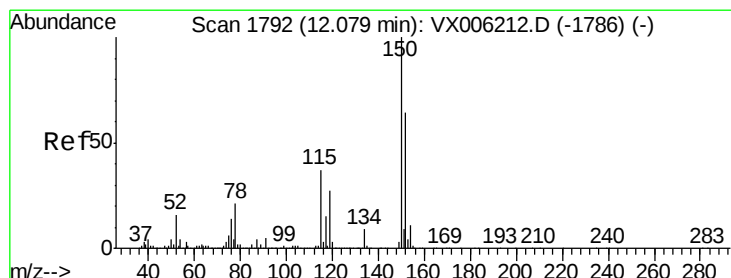
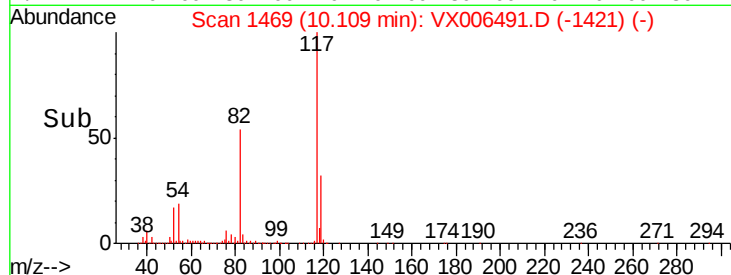
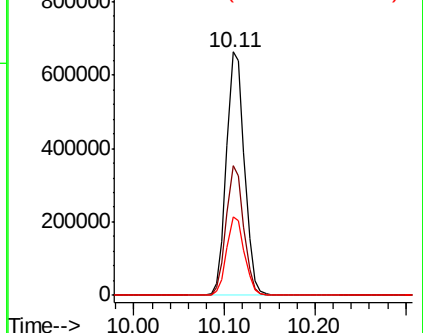
119 32.0 26.3 39.5



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: VX006491.D

Acq: 13 Dec 2018 13:31

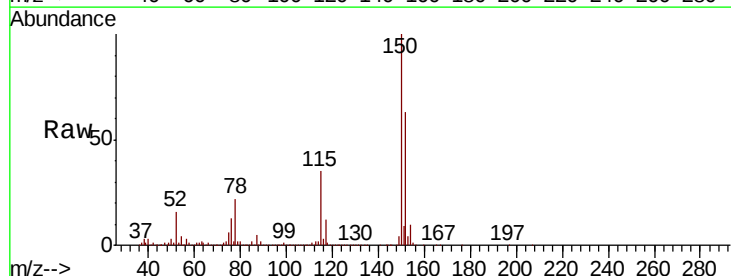
Tgt Ion:152 Resp: 436240

Ion Ratio Lower Upper

152 100

115 57.2 39.0 116.9

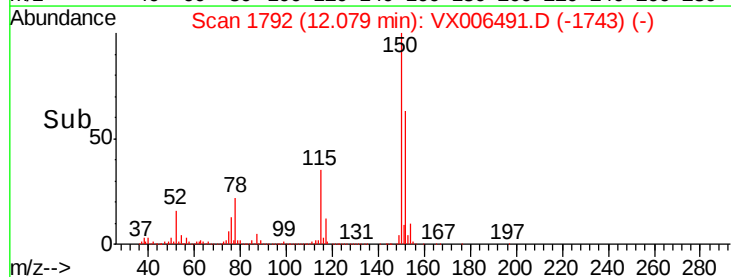
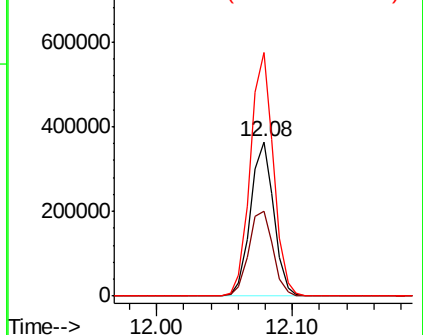
150 157.3 0.0 345.8

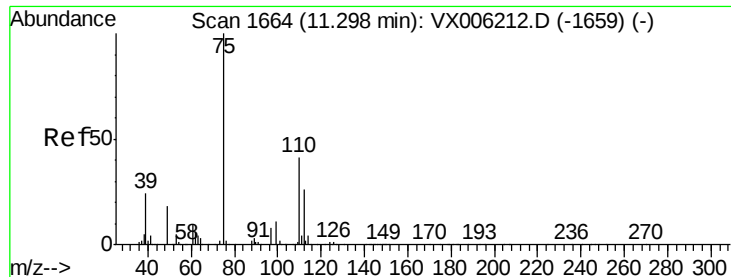


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.693 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006491.D

Acq: 13 Dec 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

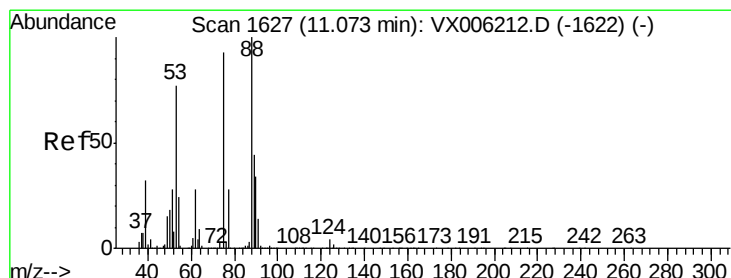
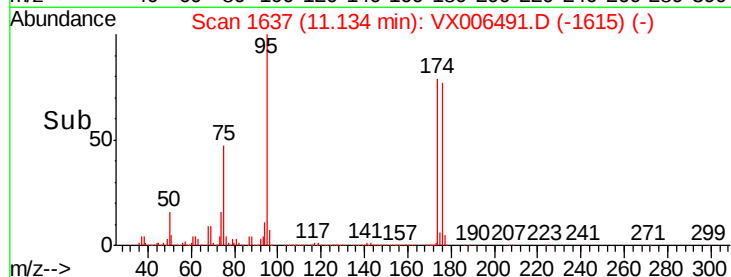
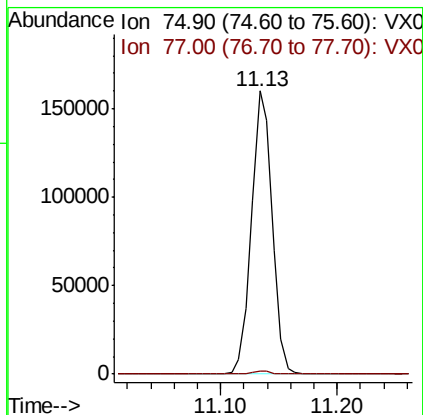
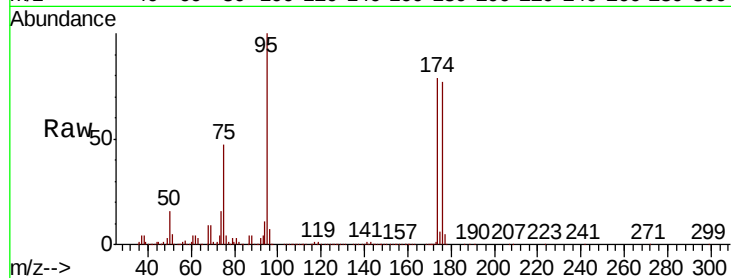
TB-01-181210

Tot Ion: 75 Resp: 199500

Ion Ratio Lower Upper

75 100

77 1.2 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.601 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006491.D

Acq: 13 Dec 2018 13:31

Tgt Ion: 75 Resp: 199500

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#

