

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090619\
 Data File : VX012148.D
 Acq On : 06 Sep 2019 15:14
 Operator : SY/SP
 Sample : K4601-05
 Misc : 4.97g/5.0mL/MSVOA X/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E4-(0)

Quant Time: Sep 07 01:32:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

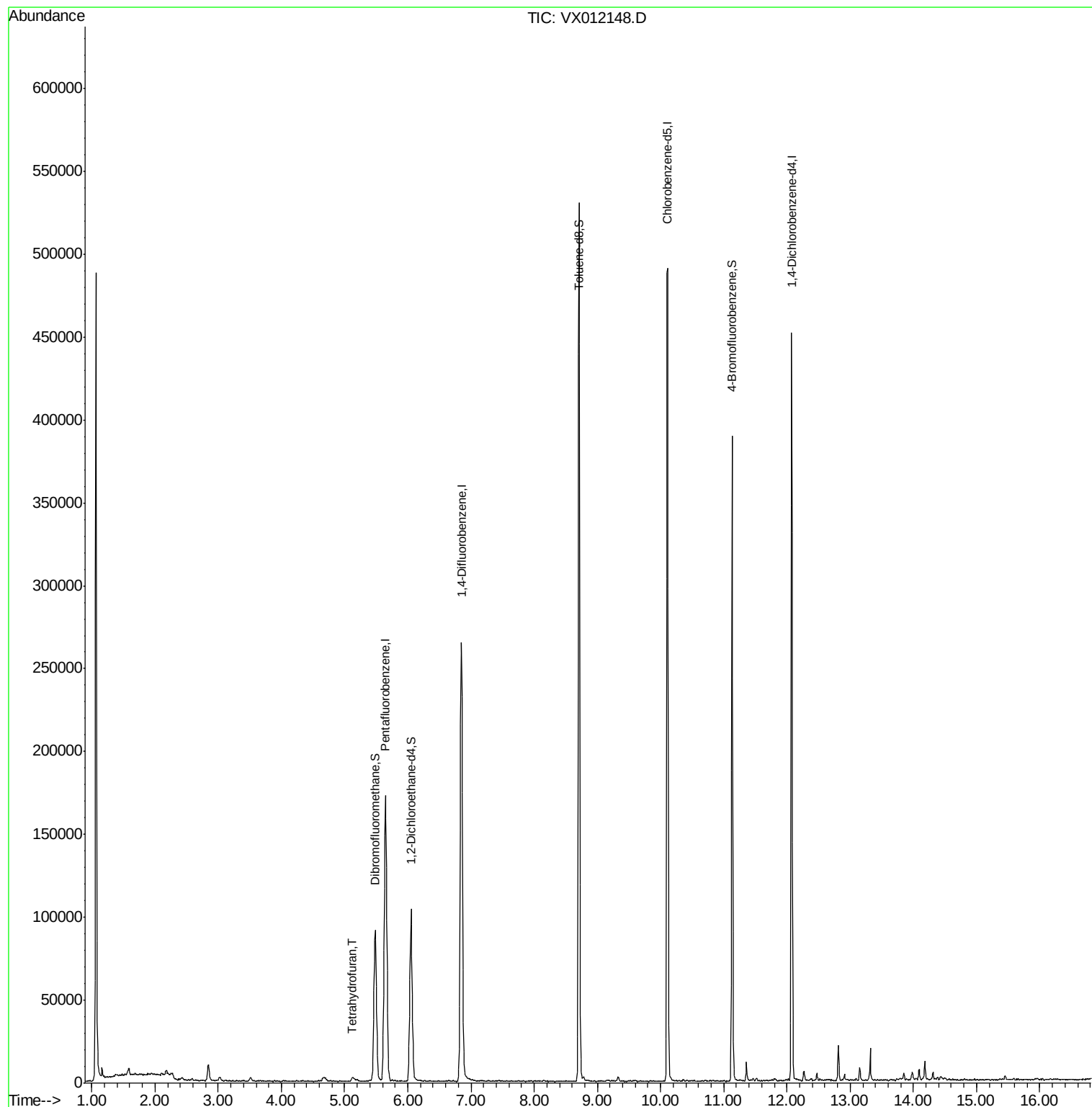
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	144113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	253694	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	82961	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	103453	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.06%	
35) Dibromofluoromethane	5.48	113	76536	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.12%	
50) Toluene-d8	8.71	98	297261	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.14	95	109766	41.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.46%	
Target Compounds						
29) Tetrahydrofuran	5.12	42	2231	6.120	ug/l	Qvalue 93

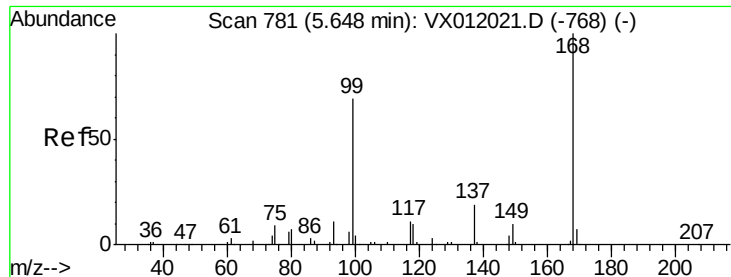
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012148.D

Acq: 06 Sep 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

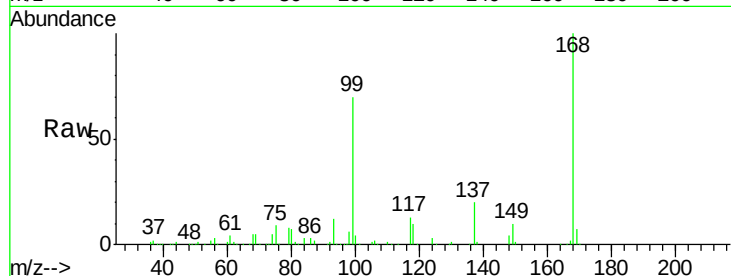
T12-E4-(0)

Tot Ion:168 Resp: 144113

Ion Ratio Lower Upper

168 100

99 69.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

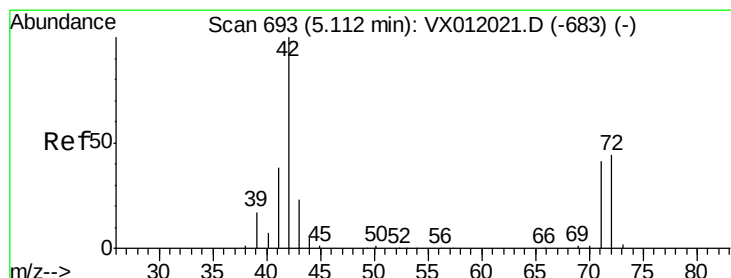
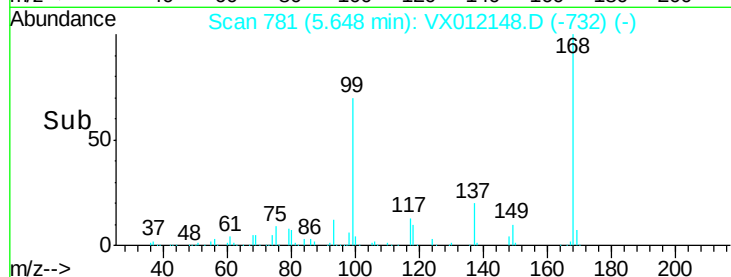
20000

10000

0

Time-->

5.50 5.60 5.70



#29

Tetrahydrofuran

Concen: 6.120 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012148.D

Acq: 06 Sep 2019 15:14

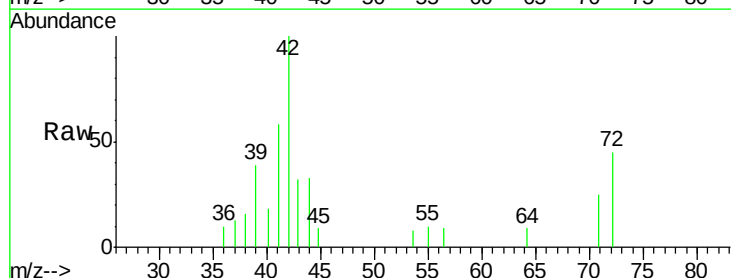
Tgt Ion: 42 Resp: 2231

Ion Ratio Lower Upper

42 100

72 54.6 37.0 55.4

71 43.2 33.8 50.8



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

800

600

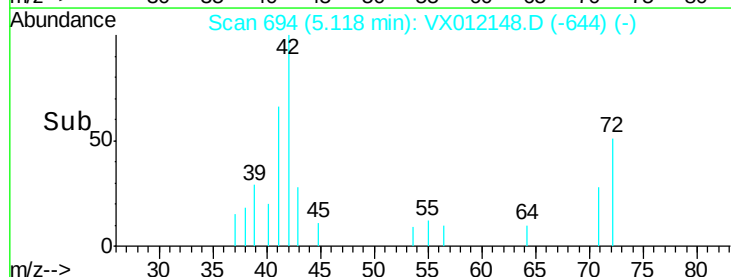
400

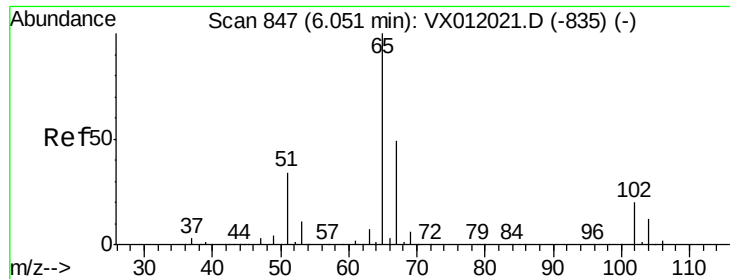
200

0

Time-->

5.05 5.10 5.15 5.20

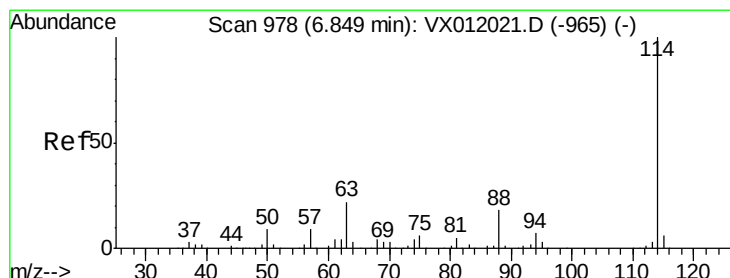
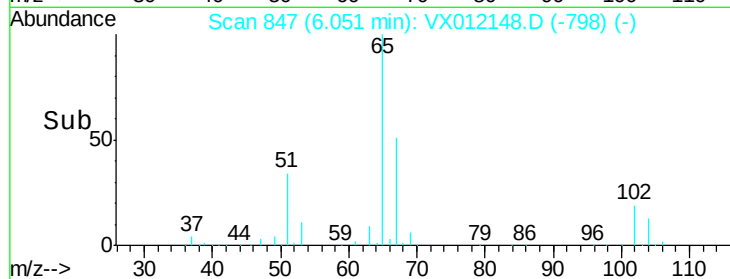
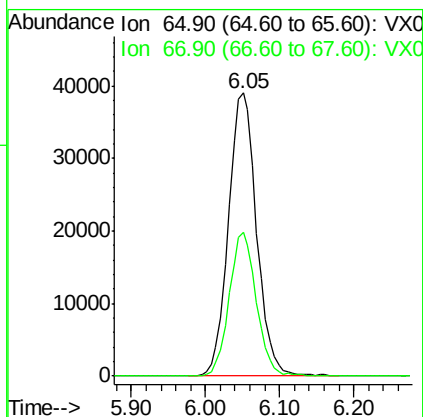
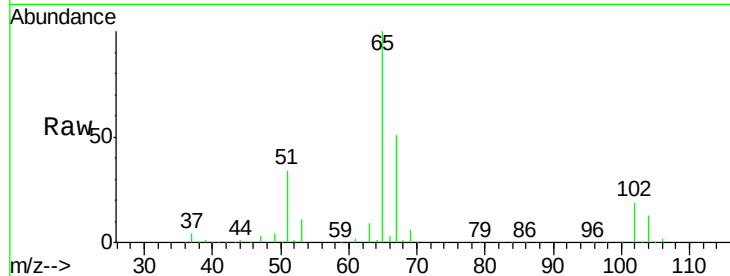




#33
 1,2-Dichloroethane-d4
 Concen: 52.026 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012148.D
 Acq: 06 Sep 2019 15:14

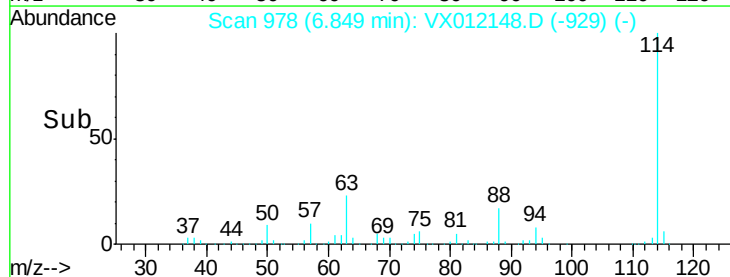
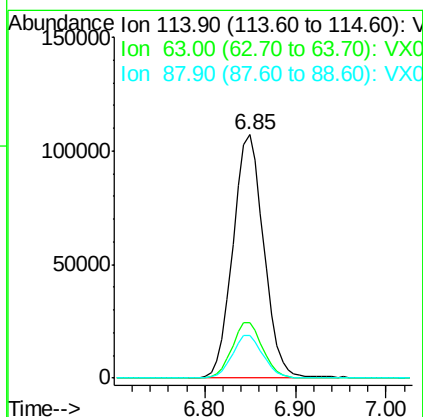
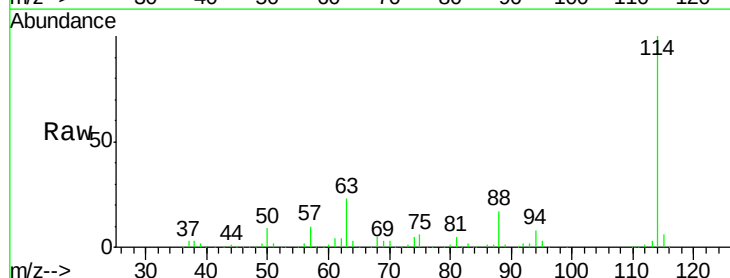
Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E4-(0)

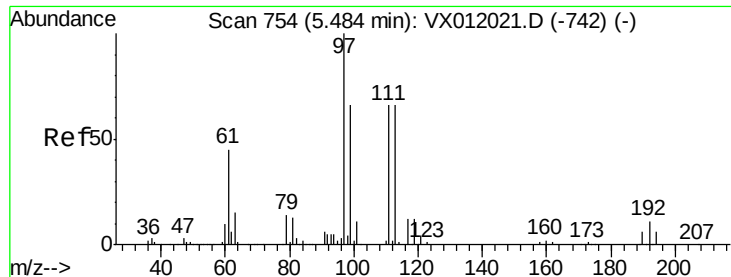
Tot Ion: 65 Resp: 103453
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012148.D
 Acq: 06 Sep 2019 15:14

Tgt Ion: 114 Resp: 253694
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 37.4
 88 17.4 0.0 29.6

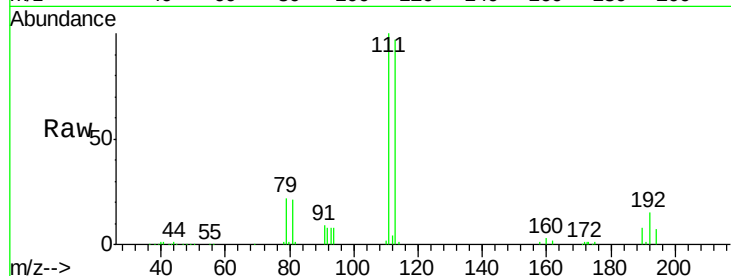




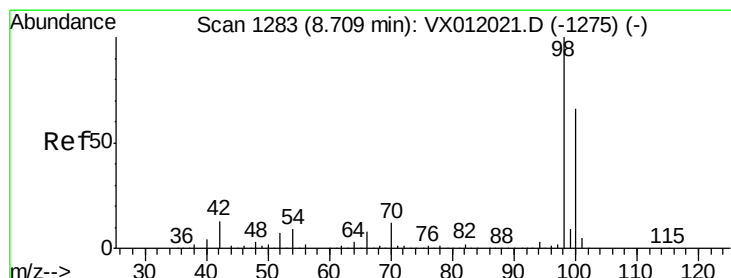
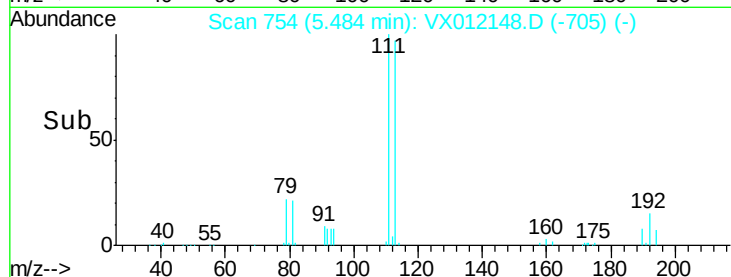
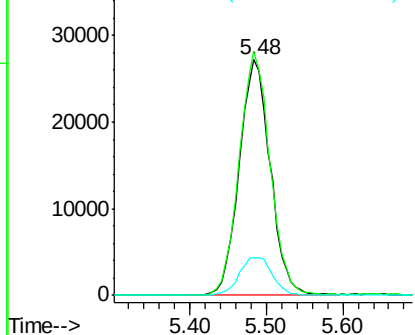
#35
 Dibromofluoromethane
 Concen: 49.057 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012148.D
 Acq: 06 Sep 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E4-(0)

Tot Ion:113 Resp: 76536
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.7 122.5
 192 17.0 22.5 33.7#

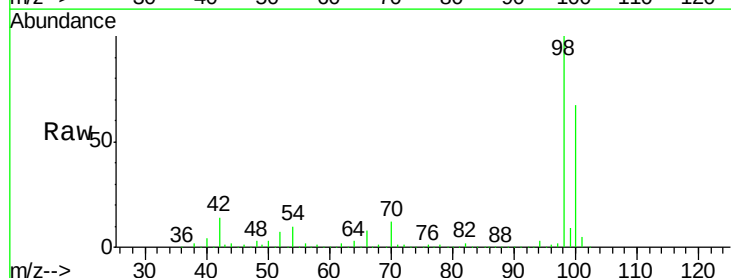


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

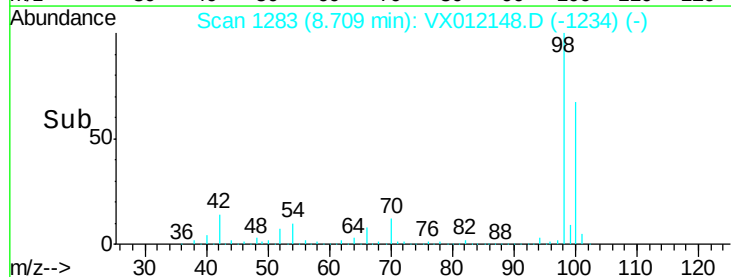
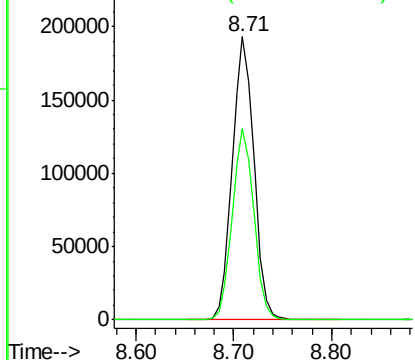


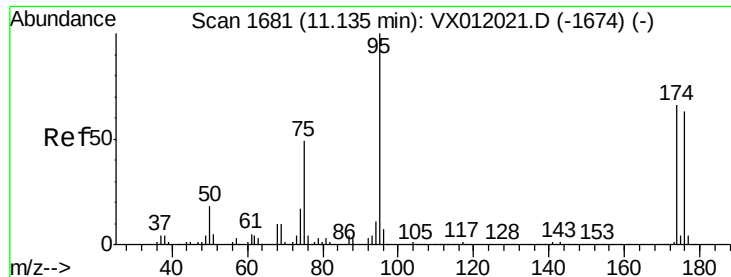
#50
 Toluene-d8
 Concen: 51.923 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012148.D
 Acq: 06 Sep 2019 15:14

Tgt Ion: 98 Resp: 297261
 Ion Ratio Lower Upper
 98 100
 100 67.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 41.227 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012148.D

Acq: 06 Sep 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

T12-E4-(0)

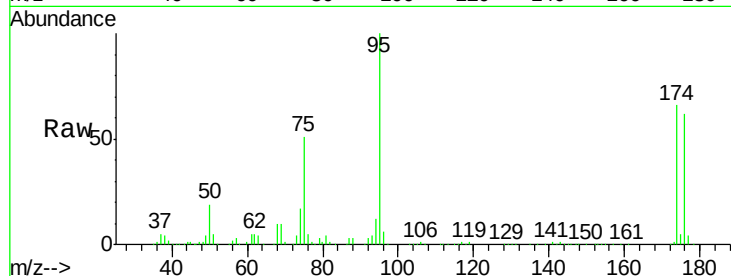
Tot Ion: 95 Resp: 109766

Ion Ratio Lower Upper

95 100

174 64.2 0.0 205.4

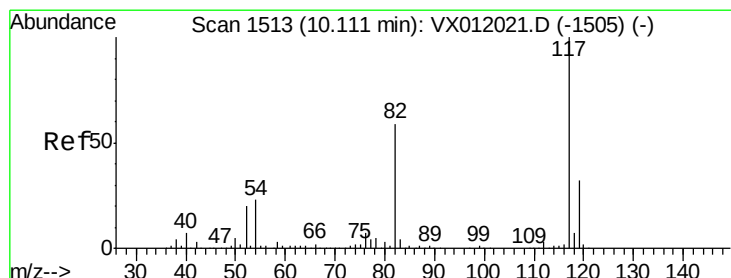
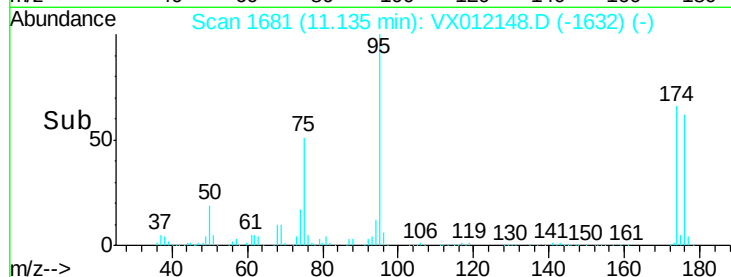
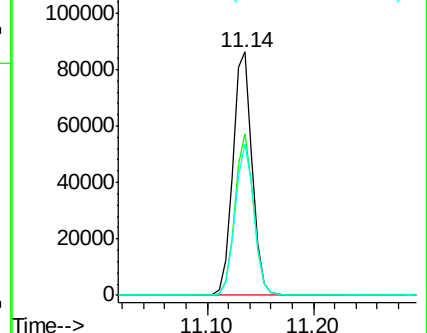
176 61.1 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012021.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012021.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012021.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012148.D

Acq: 06 Sep 2019 15:14

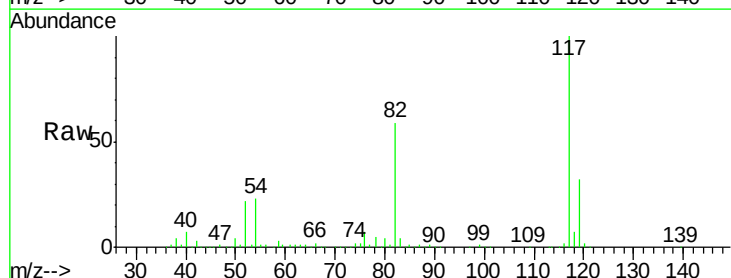
Tgt Ion: 117 Resp: 215127

Ion Ratio Lower Upper

117 100

82 59.0 39.4 59.0

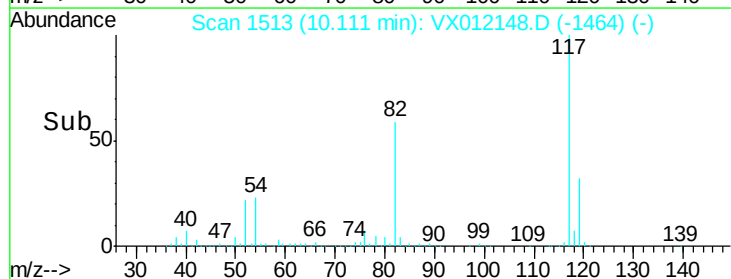
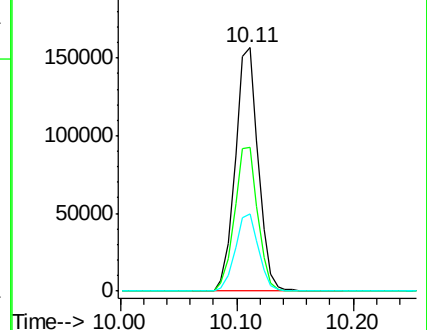
119 31.9 26.1 39.1

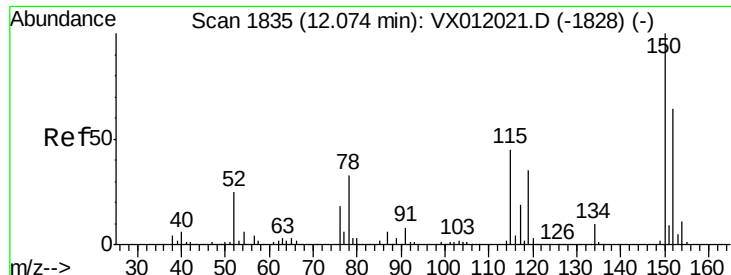


Abundance Ion 116.90 (116.60 to 117.60): VX012021.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012021.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012021.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012148.D

Acq: 06 Sep 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

T12-E4-(0)

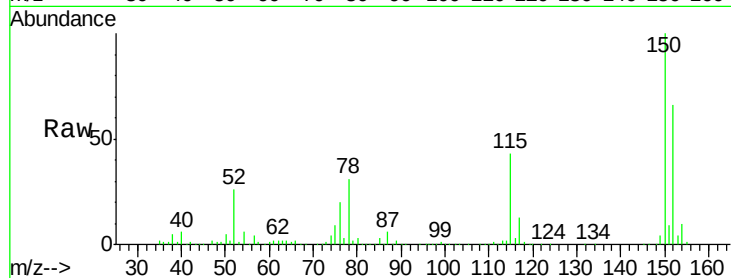
Tot Ion:152 Resp: 82961

Ion Ratio Lower Upper

152 100

115 66.2 36.4 109.3

150 152.6 0.0 341.2



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

