

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090619\
 Data File : VX012159.D
 Acq On : 06 Sep 2019 20:20
 Operator : SY/SP
 Sample : K4601-16
 Misc : 5.54g/5.0mL/MSVOA X/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-F2-(2.7)

Quant Time: Sep 07 02:59:43 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

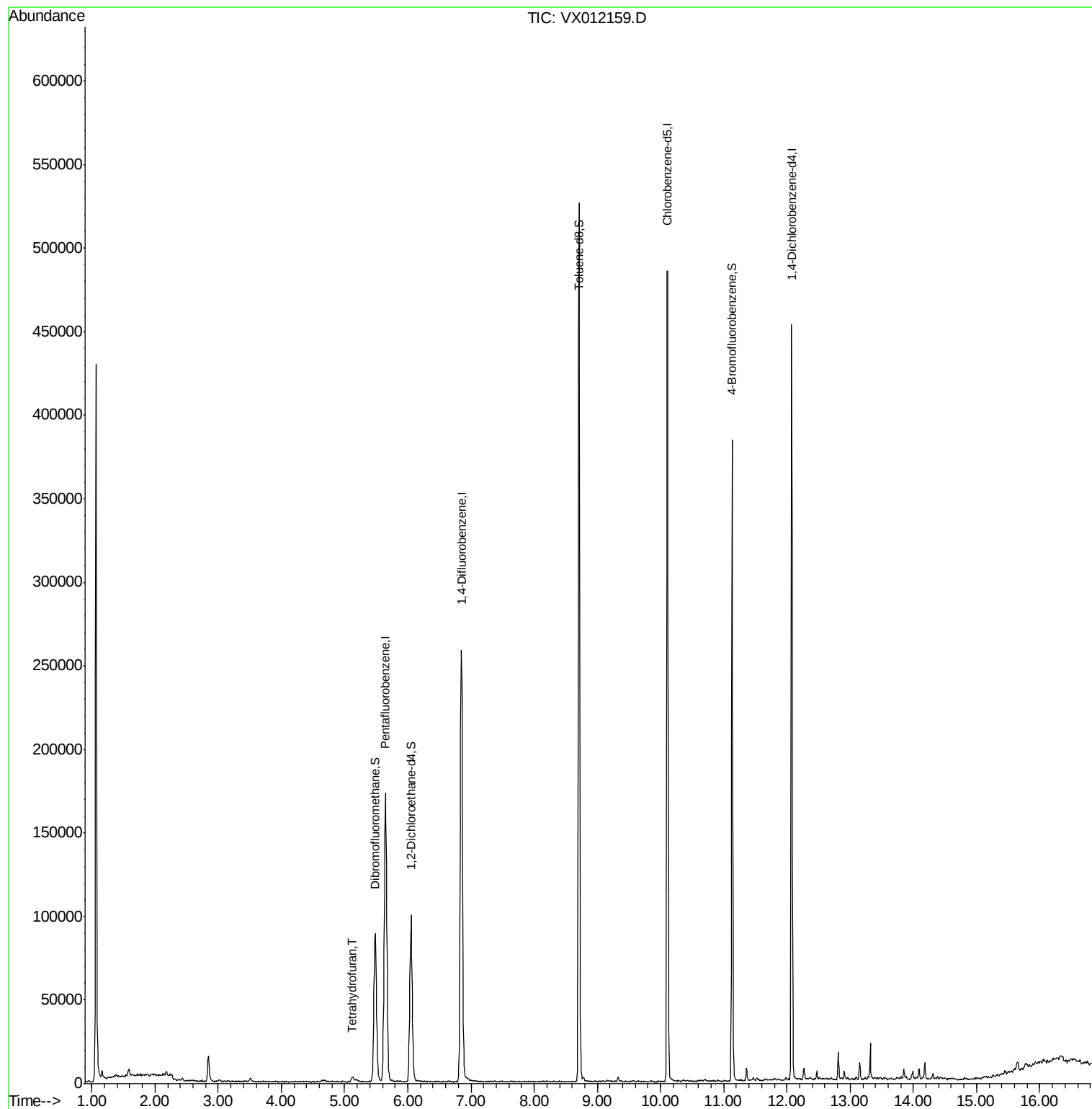
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	144482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	253913	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	209919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	81397	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	100846	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
35) Dibromofluoromethane	5.48	113	75534	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.74%	
50) Toluene-d8	8.71	98	292645	51.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.14	95	110719	41.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.10%	
Target Compounds						
29) Tetrahydrofuran	5.12	42	2541	6.953	ug/l #	79

(#) = 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

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Acq: 06 Sep 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

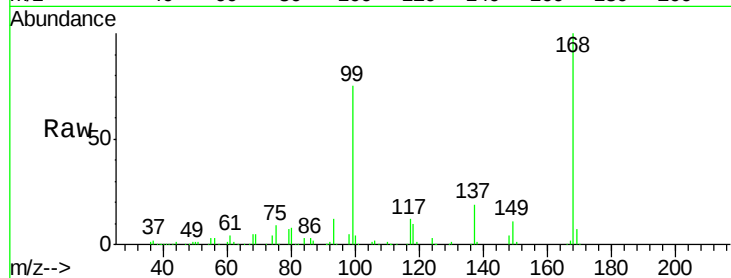
T12-F2-(2.7)

Tot Ion:168 Resp: 144482

Ion Ratio Lower Upper

168 100

99 74.7 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

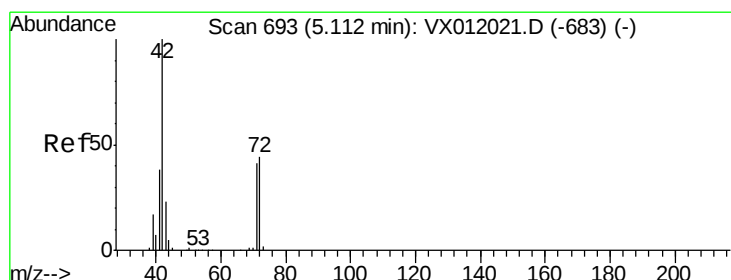
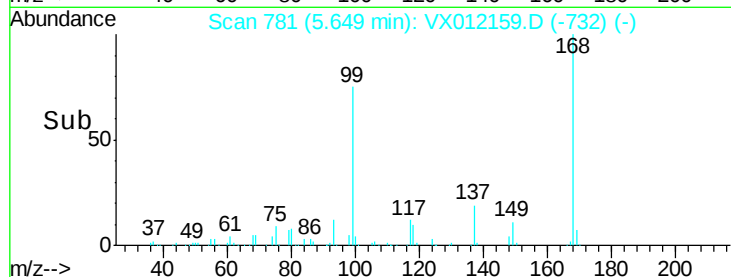
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#29

Tetrahydrofuran

Concen: 6.953 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012159.D

Acq: 06 Sep 2019 20:20

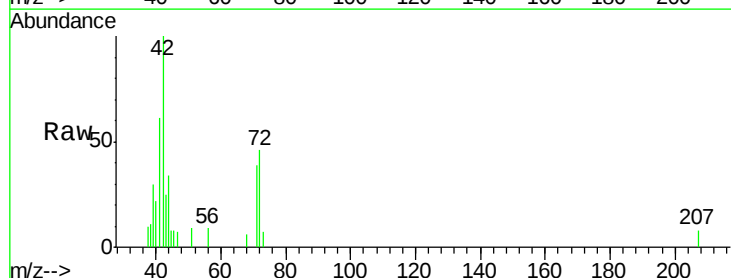
Tgt Ion: 42 Resp: 2541

Ion Ratio Lower Upper

42 100

72 36.4 37.0 55.4#

71 24.7 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

1000

800

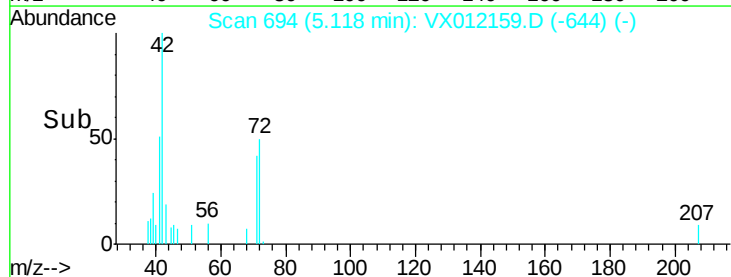
600

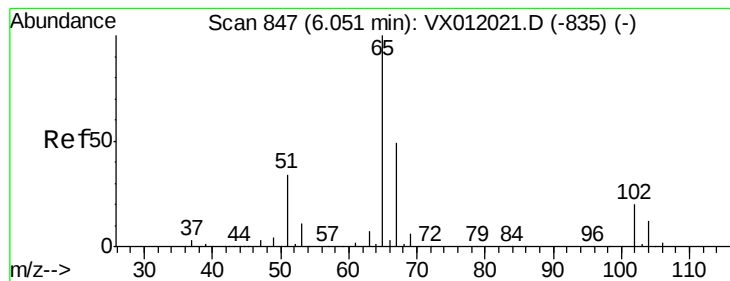
400

200

0

Time--> 5.05 5.10 5.15 5.20





#33

1,2-Dichloroethane-d4

Concen: 50.586 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012159.D

Acq: 06 Sep 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

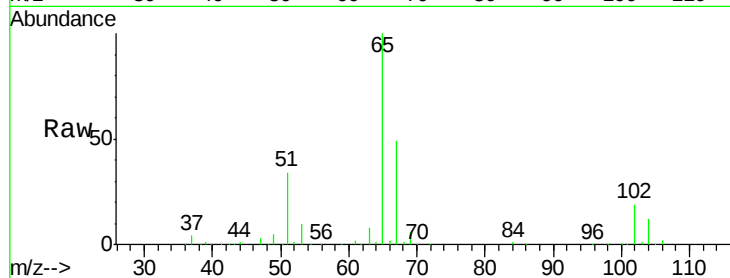
T12-F2-(2.7)

Tot Ion: 65 Resp: 100846

Ion Ratio Lower Upper

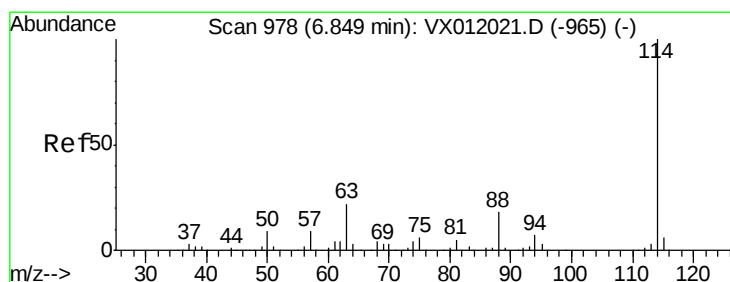
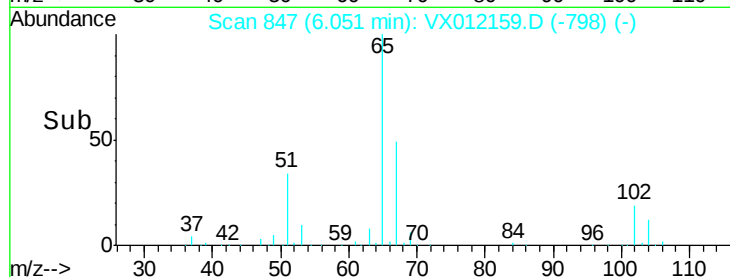
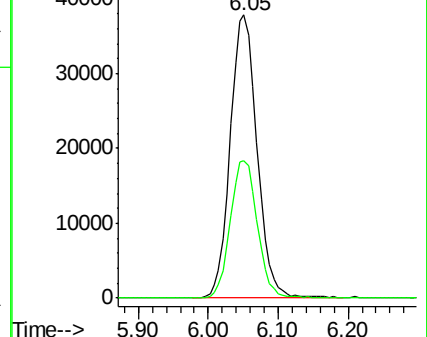
65 100

67 49.1 0.0 102.0



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012159.D

Acq: 06 Sep 2019 20:20

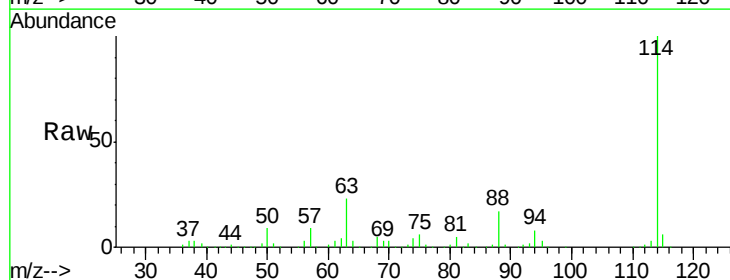
Tgt Ion: 114 Resp: 253913

Ion Ratio Lower Upper

114 100

63 22.6 0.0 37.4

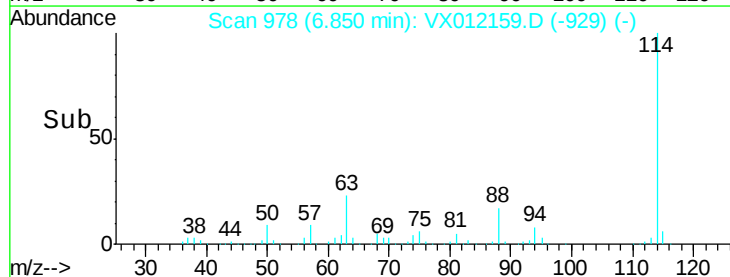
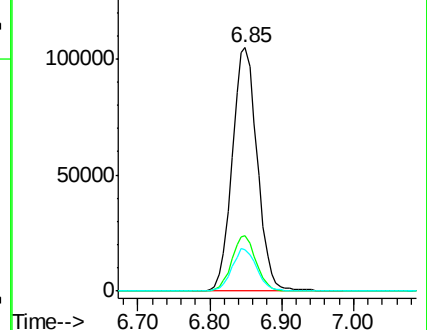
88 16.9 0.0 29.6

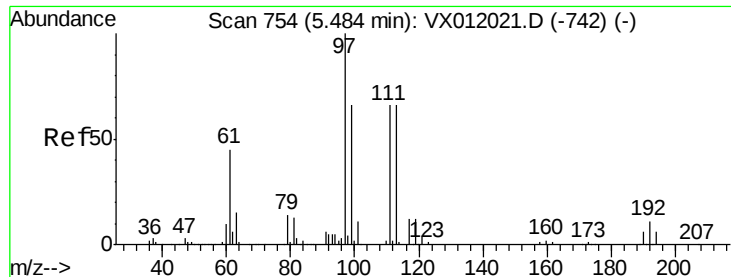


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.373 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012159.D

Acq: 06 Sep 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

T12-F2-(2.7)

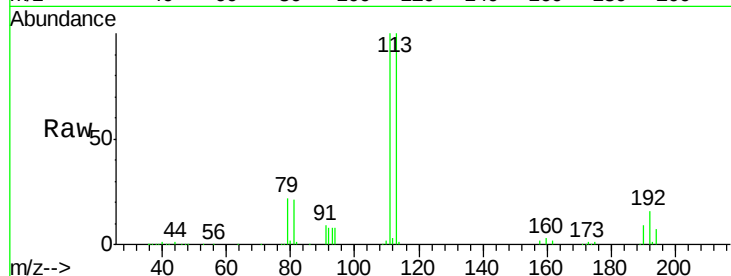
Tot Ion:113 Resp: 75534

Ion Ratio Lower Upper

113 100

111 102.6 81.7 122.5

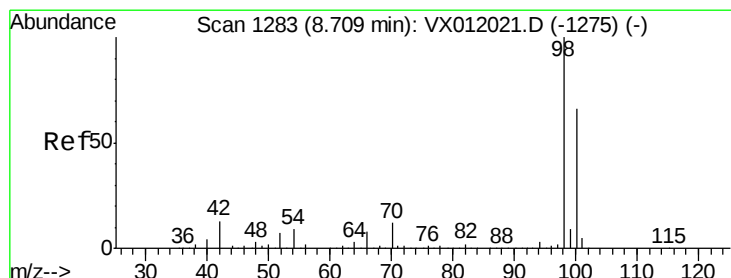
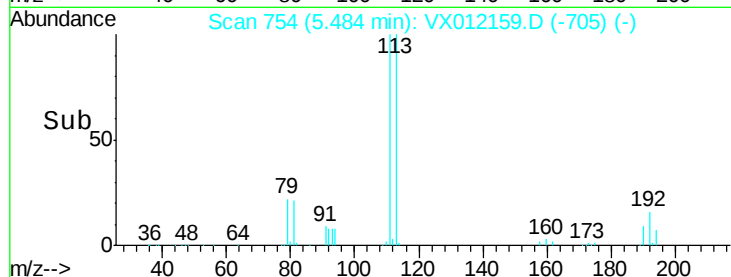
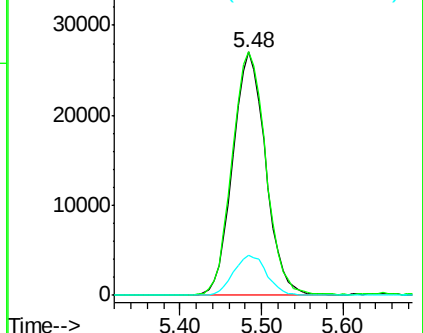
192 16.7 22.5 33.7#



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: 51.073 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012159.D

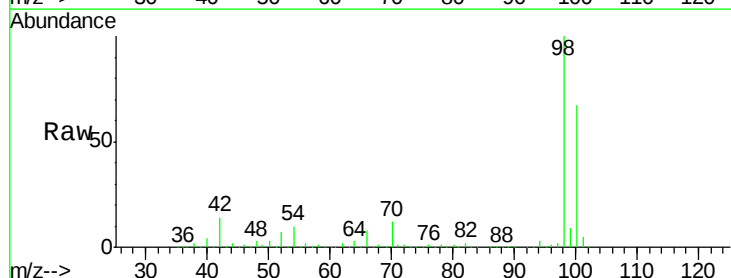
Acq: 06 Sep 2019 20:20

Tgt Ion: 98 Resp: 292645

Ion Ratio Lower Upper

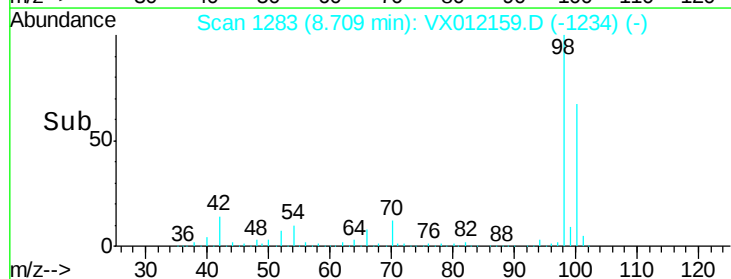
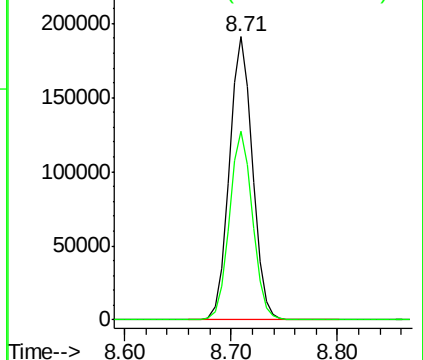
98 100

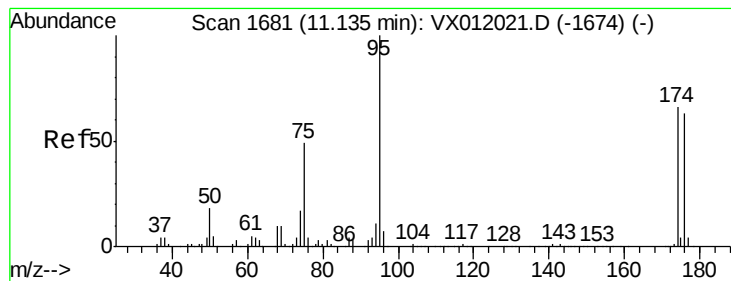
100 66.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 41.549 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012159.D

Acq: 06 Sep 2019 20:20

Instrument :

MSVOA_X

ClientSampled :

T12-F2-(2.7)

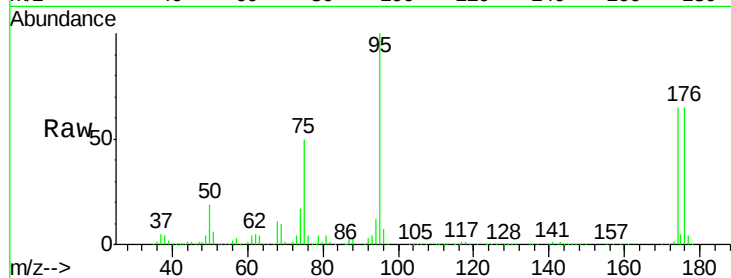
Tot Ion: 95 Resp: 110719

Ion Ratio Lower Upper

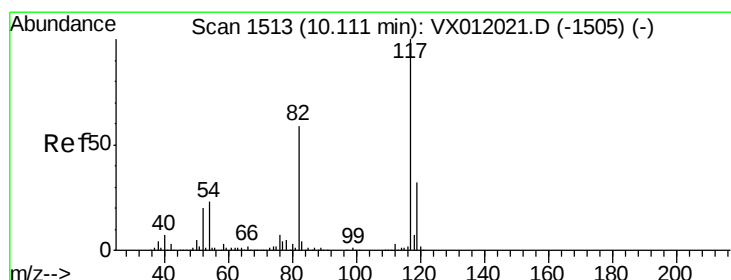
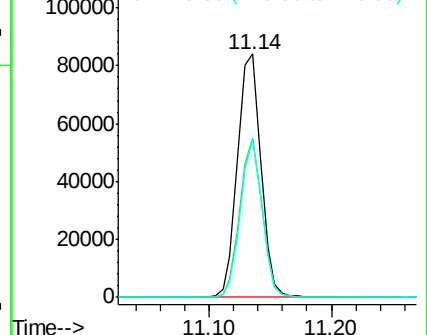
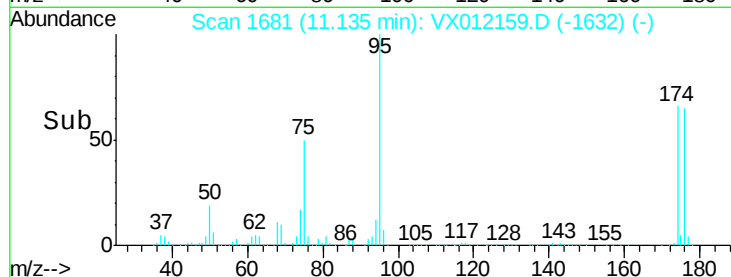
95 100

174 62.1 0.0 205.4

176 60.1 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012159.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012159.D

Acq: 06 Sep 2019 20:20

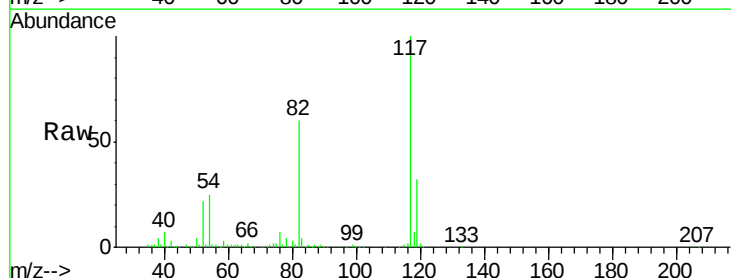
Tgt Ion: 117 Resp: 209919

Ion Ratio Lower Upper

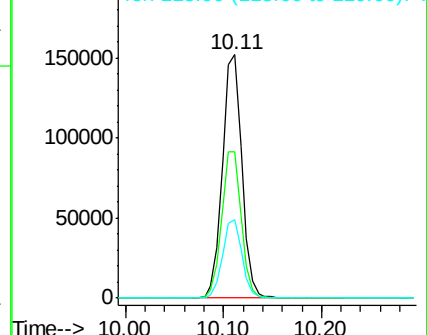
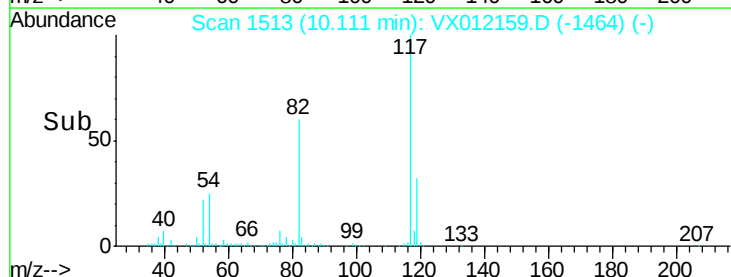
117 100

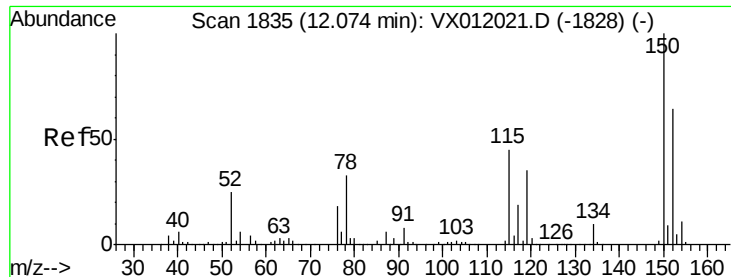
82 59.9 39.4 59.0#

119 32.2 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VX012159.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012159.D

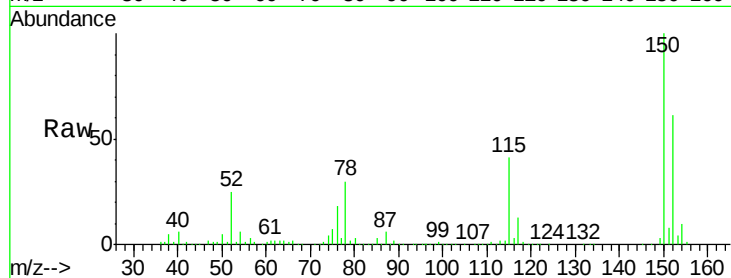
Acq: 06 Sep 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

T12-F2-(2.7)



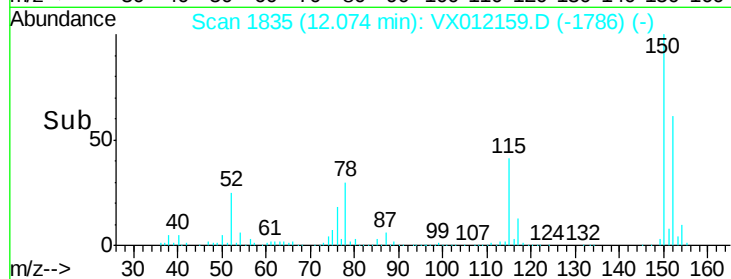
Tot Ion:152 Resp: 81397

Ion Ratio Lower Upper

152 100

115 67.1 36.4 109.3

150 160.5 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

