

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090119\
 Data File : VX011994.D
 Acq On : 01 Sep 2019 16:08
 Operator : SY/SP
 Sample : K4528-17
 Misc : 5.62g/5.0mL/MSVOA X/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-S3-(1.9)

Quant Time: Sep 02 04:44:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

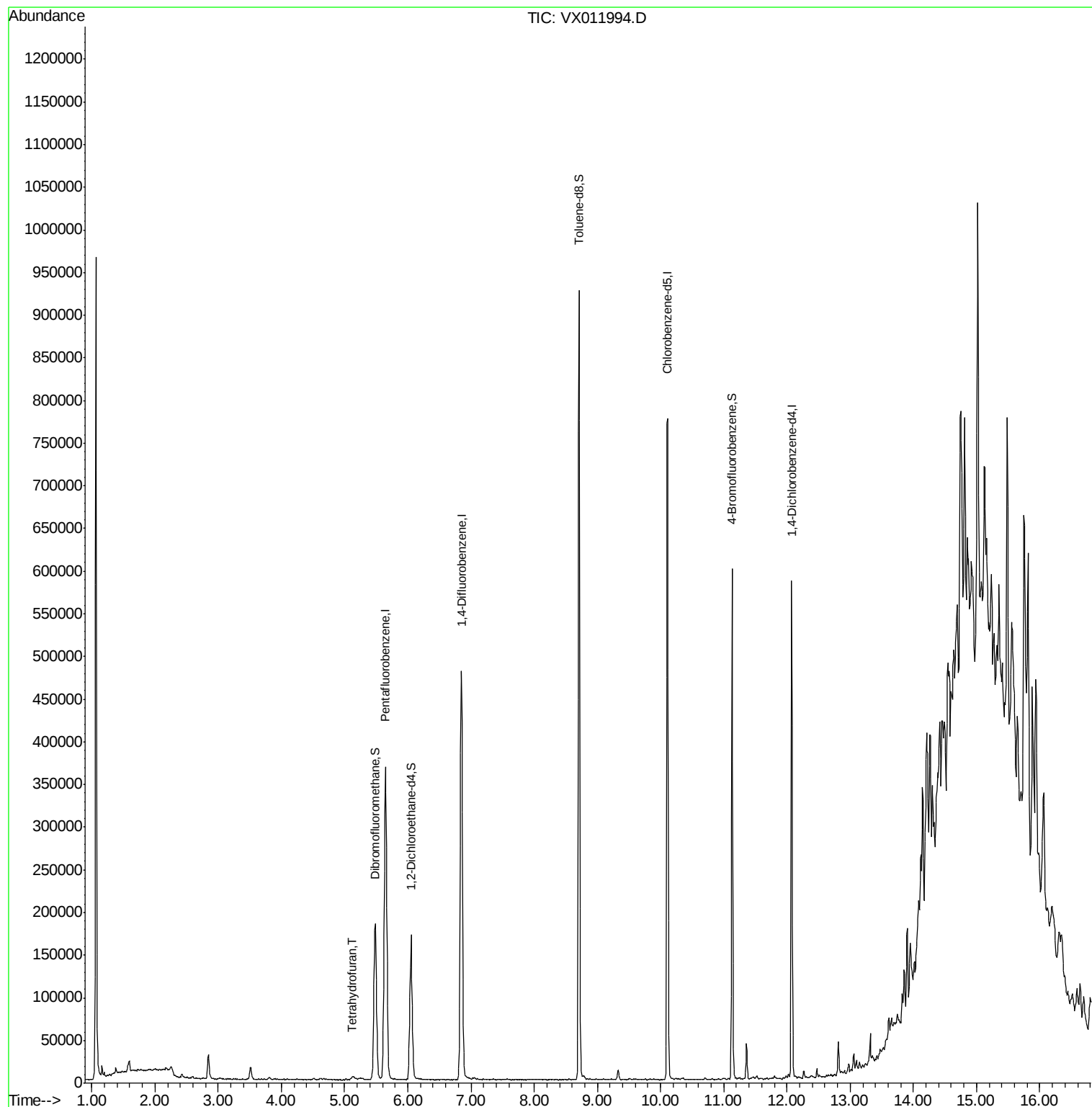
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	392354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	503473	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	373677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	126609	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	159543	42.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.88%	
35) Dibromofluoromethane	5.48	113	149684	46.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.72%	
50) Toluene-d8	8.71	98	538227	46.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.14	95	148817	29.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	58.80%	
Target Compounds						
29) Tetrahydrofuran	5.12	42	3480	4.733	ug/l #	78

(#) = 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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Instrument :

MSVOA_X

ClientSampleId :

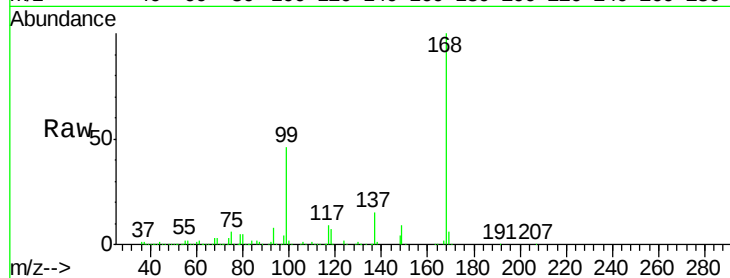
T9-12-13-S3-(1.9)

Tot Ion:168 Resp: 392354

Ion Ratio Lower Upper

168 100

99 46.5 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

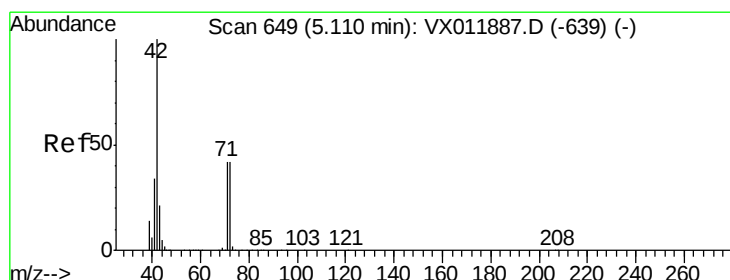
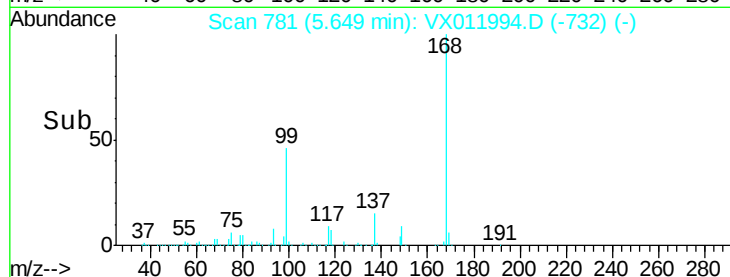
150000

100000

50000

0

Time-->



#29

Tetrahydrofuran

Concen: 4.733 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011994.D

Acq: 01 Sep 2019 16:08

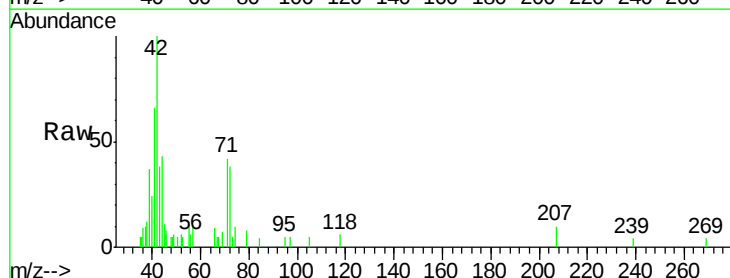
Tgt Ion: 42 Resp: 3480

Ion Ratio Lower Upper

42 100

72 56.6 36.2 54.4#

71 58.4 33.1 49.7#



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

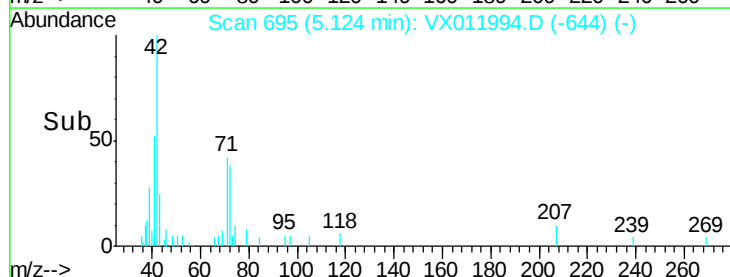
1500

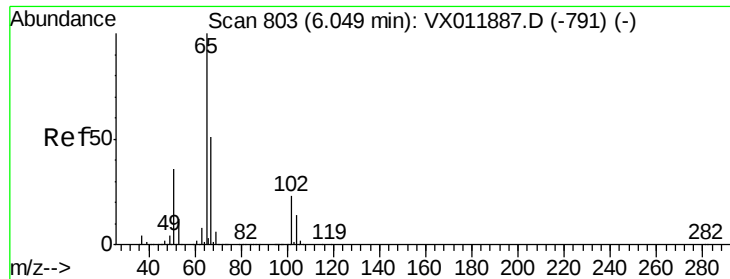
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 42.441 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011994.D

Acq: 01 Sep 2019 16:08

Instrument :

MSVOA_X

ClientSampleId :

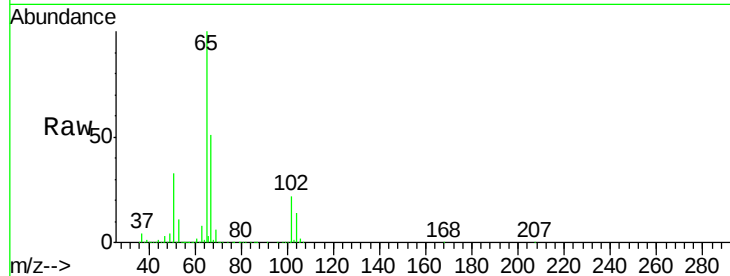
T9-12-13-S3-(1.9)

Tot Ion: 65 Resp: 159543

Ion Ratio Lower Upper

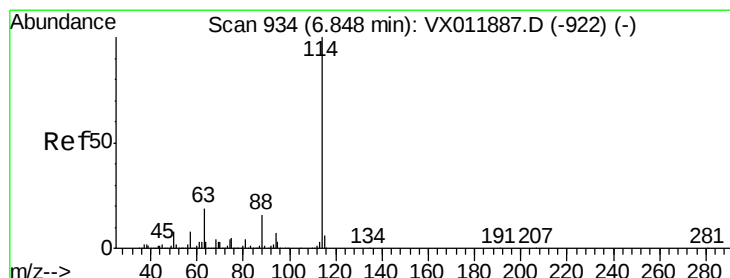
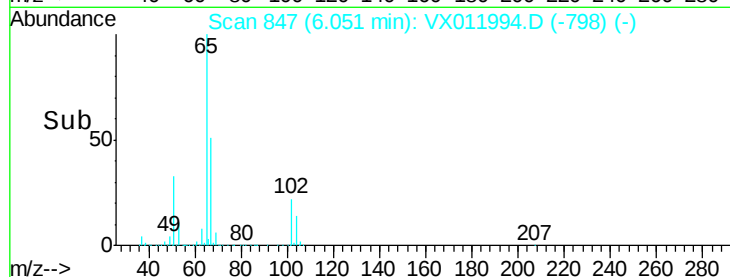
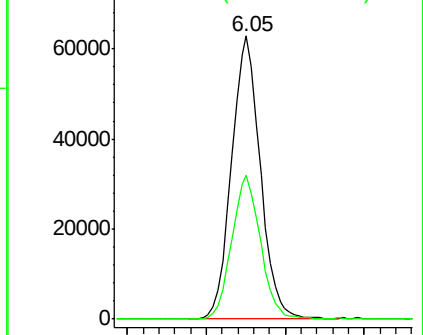
65 100

67 50.8 0.0 102.2



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011994.D

Acq: 01 Sep 2019 16:08

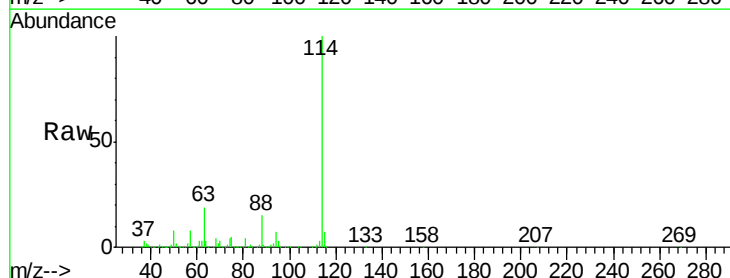
Tgt Ion: 114 Resp: 503473

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.8

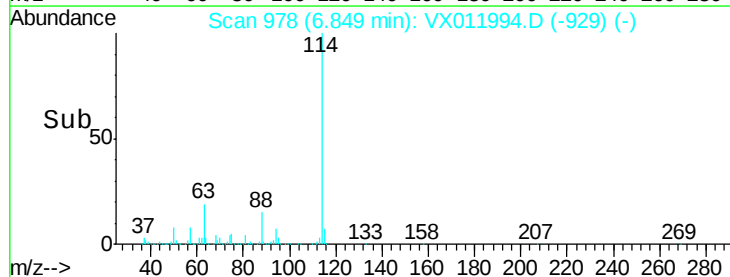
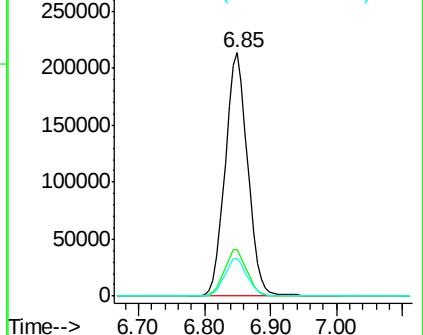
88 15.2 0.0 31.2

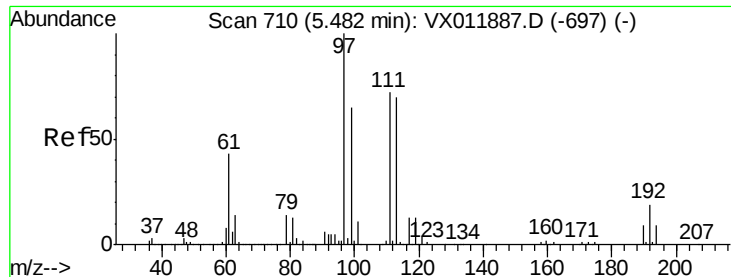


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.364 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011994.D

Acq: 01 Sep 2019 16:08

Instrument :

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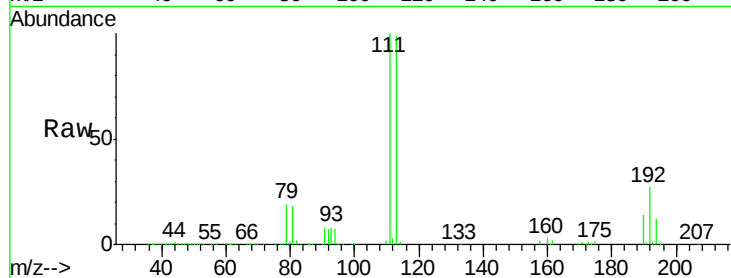
Tot Ion:113 Resp: 149684

Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

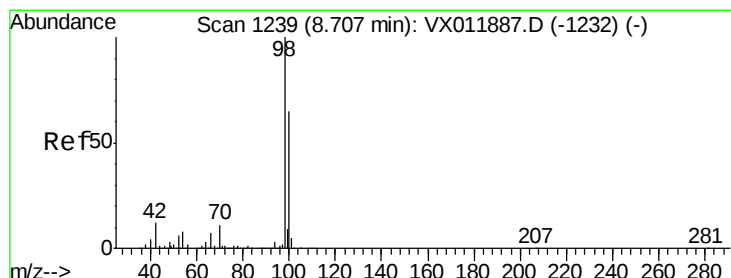
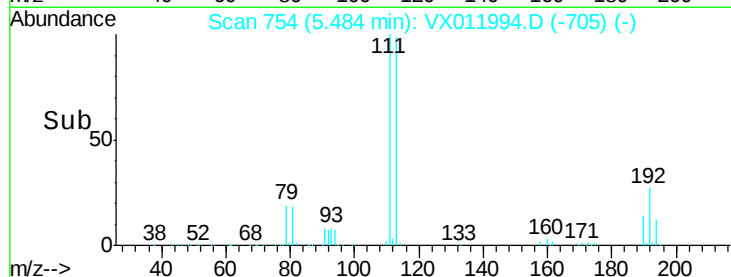
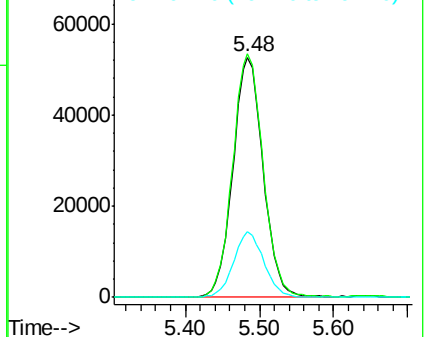
192 27.5 21.5 32.3



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: 46.637 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011994.D

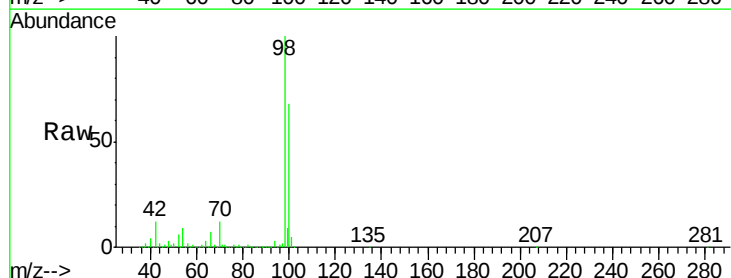
Acq: 01 Sep 2019 16:08

Tgt Ion: 98 Resp: 538227

Ion Ratio Lower Upper

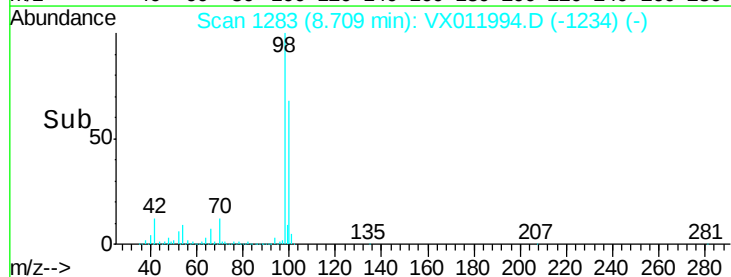
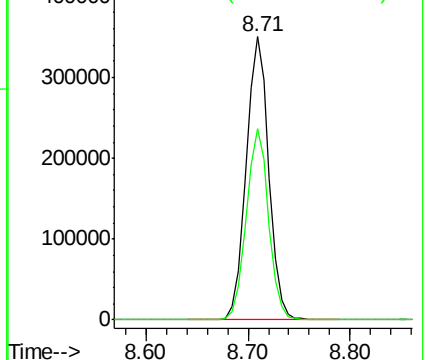
98 100

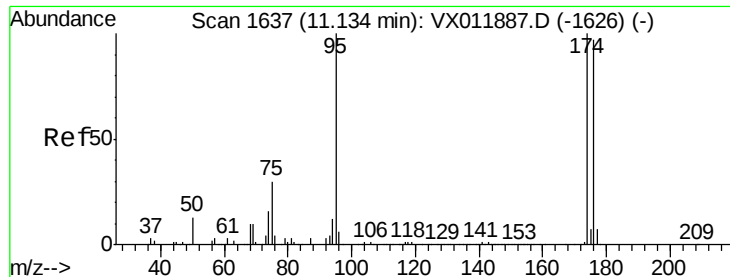
100 66.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 29.396 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011994.D

Acq: 01 Sep 2019 16:08

Instrument :

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ClientSampleId :

T9-12-13-S3-(1.9)

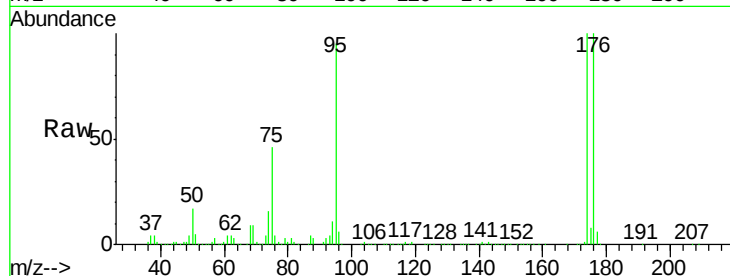
Tot Ion: 95 Resp: 148817

Ion Ratio Lower Upper

95 100

174 99.7 0.0 196.0

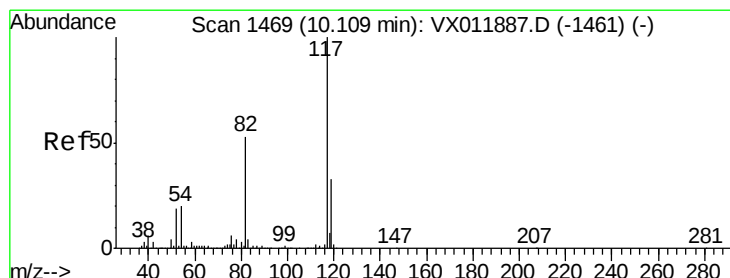
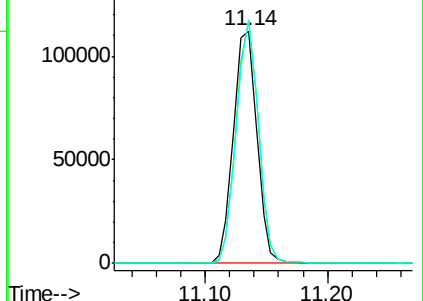
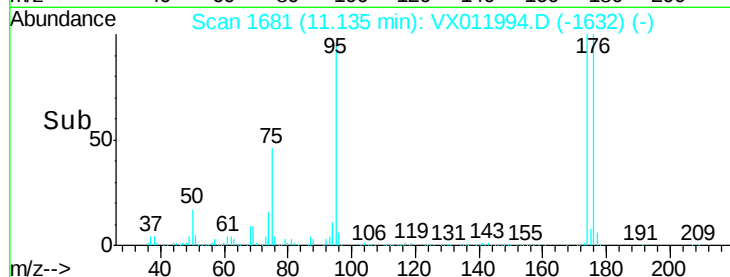
176 98.6 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX011887.D (-1626) (-)

Ion 173.80 (173.50 to 174.50): VX011887.D (-1626) (-)

Ion 175.80 (175.50 to 176.50): VX011887.D (-1626) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011994.D

Acq: 01 Sep 2019 16:08

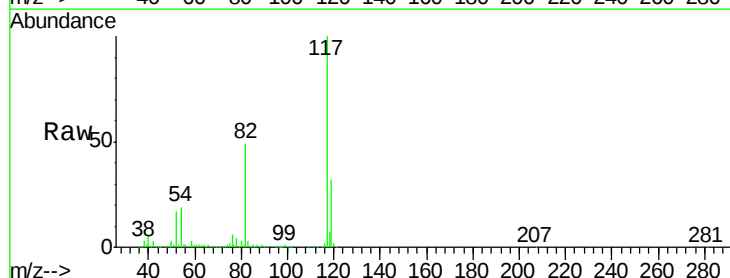
Tgt Ion: 117 Resp: 373677

Ion Ratio Lower Upper

117 100

82 48.7 42.0 63.0

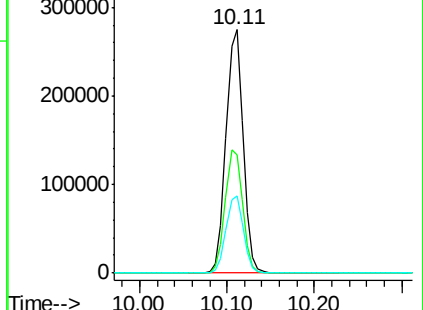
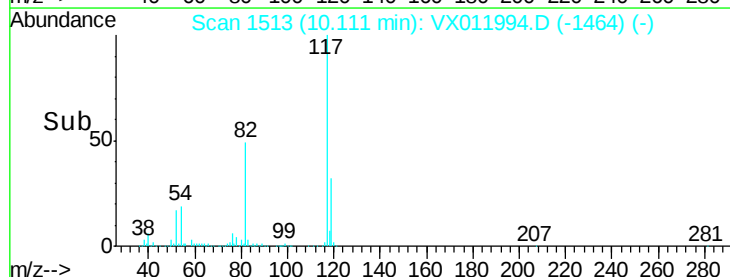
119 31.8 26.2 39.4

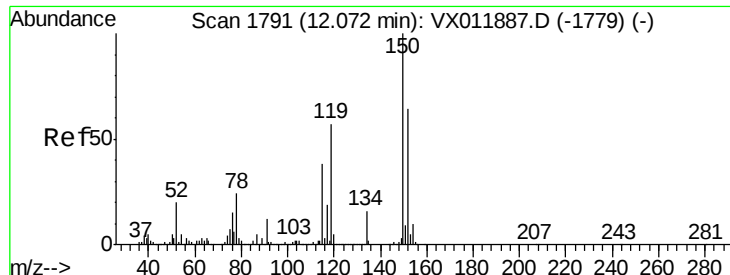


Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011887.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011887.D (-1461) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011994.D

Acq: 01 Sep 2019 16:08

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-S3-(1.9)

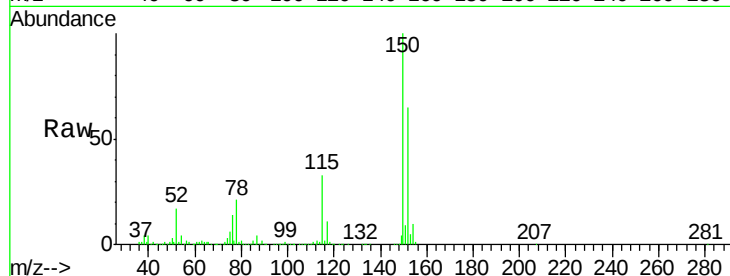
Tot Ion:152 Resp: 126609

Ion Ratio Lower Upper

152 100

115 53.1 37.1 111.3

150 156.7 0.0 339.6



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

