

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012283.D
 Acq On : 11 Sep 2019 05:00
 Operator : SY/SP
 Sample : K4680-14
 Misc : 6.38g/5.0mL/MSVOA X/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-2-(0)

Quant Time: Sep 11 07:45:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

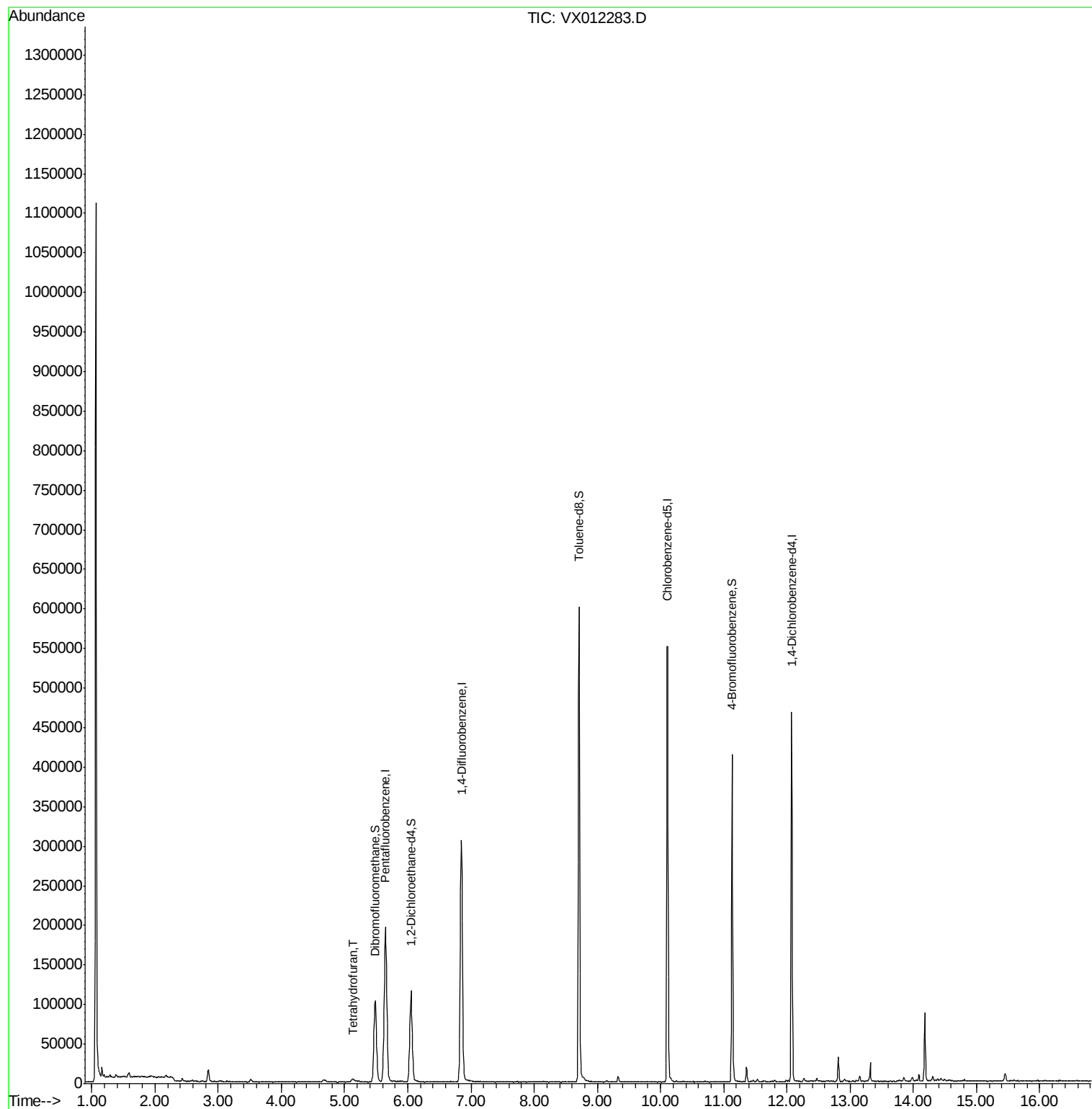
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	295199	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	87191	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	115268	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
35) Dibromofluoromethane	5.48	113	88122	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
50) Toluene-d8	8.71	98	339386	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.14	95	117376	38.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.30%	
Target Compounds						
29) Tetrahydrofuran	5.13	42	3925	10.412	ug/l	Qvalue 95

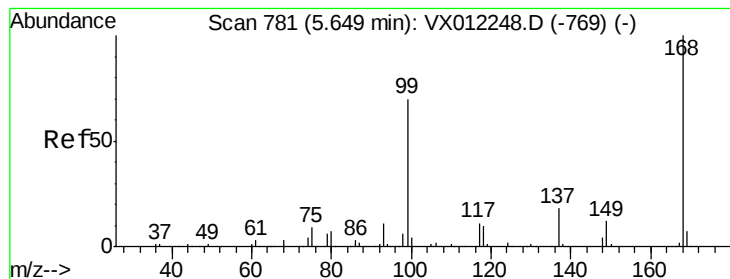
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012283.D

Acq: 11 Sep 2019 05:00

Instrument :

MSVOA_X

ClientSampleId :

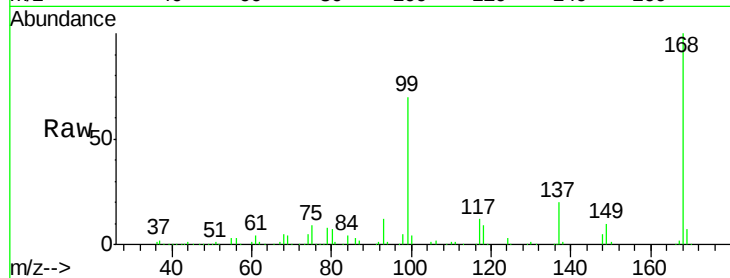
T3-2-(0)

Tot Ion:168 Resp: 163299

Ion Ratio Lower Upper

168 100

99 70.3 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

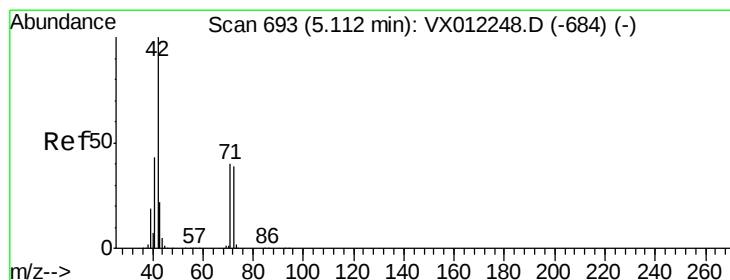
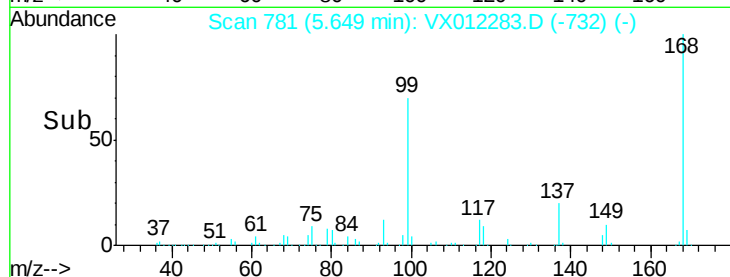
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#29

Tetrahydrofuran

Concen: 10.412 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012283.D

Acq: 11 Sep 2019 05:00

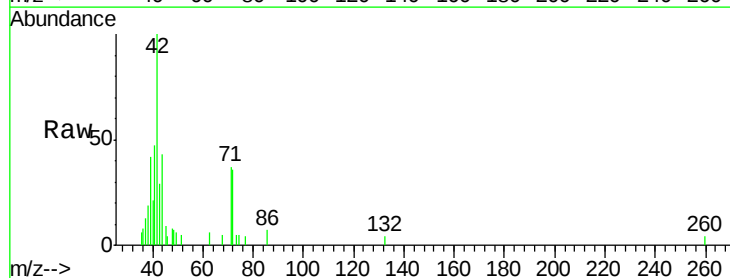
Tgt Ion: 42 Resp: 3925

Ion Ratio Lower Upper

42 100

72 38.8 35.2 52.8

71 39.5 32.5 48.7



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

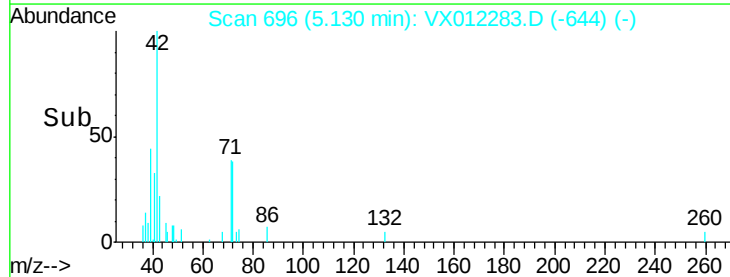
1500

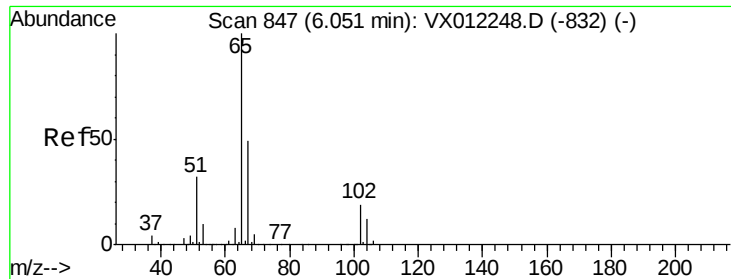
1000

500

0

Time--> 5.05 5.10 5.15 5.20





#33

1,2-Dichloroethane-d4

Concen: 49.927 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012283.D

Acq: 11 Sep 2019 05:00

Instrument :

MSVOA_X

ClientSampleId :

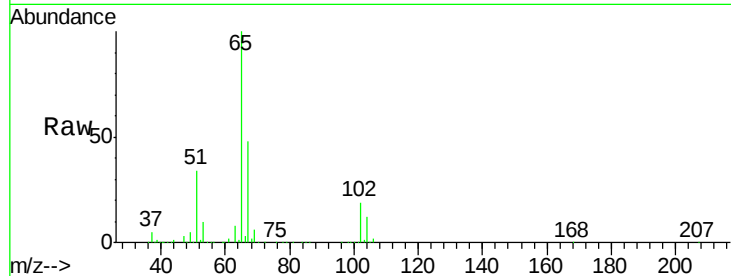
T3-2-(0)

Tot Ion: 65 Resp: 115268

Ion Ratio Lower Upper

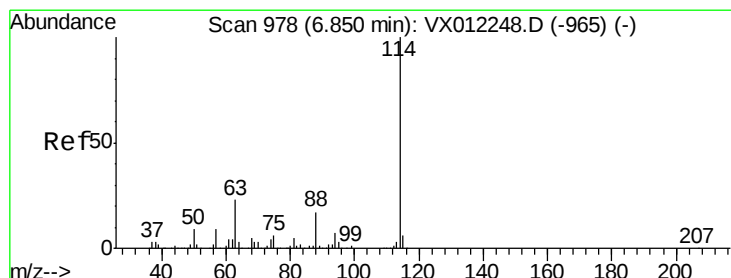
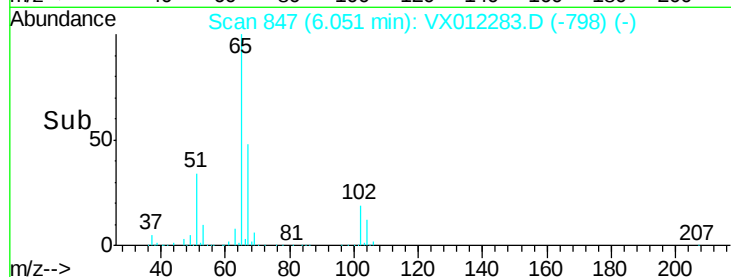
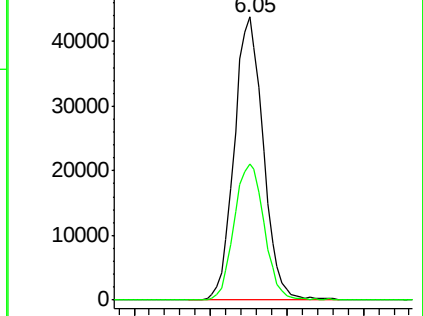
65 100

67 49.9 0.0 99.8



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: VX012283.D

Acq: 11 Sep 2019 05:00

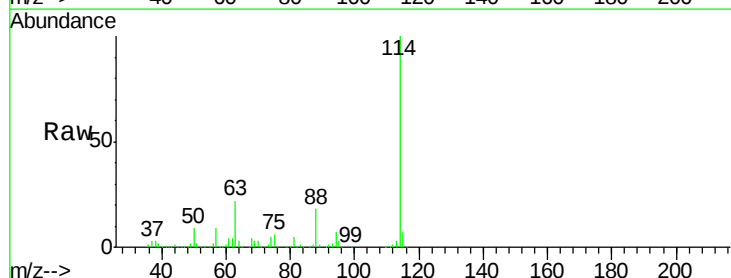
Tgt Ion: 114 Resp: 295199

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

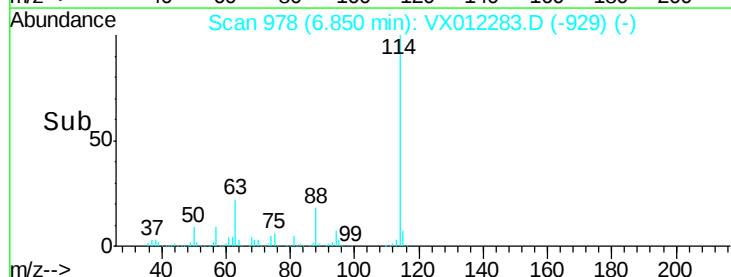
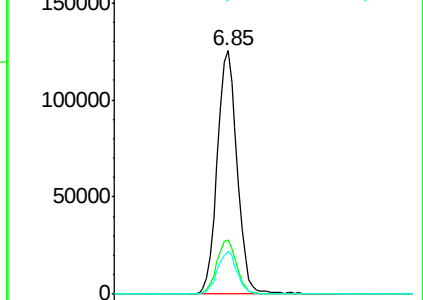
88 17.6 0.0 34.8

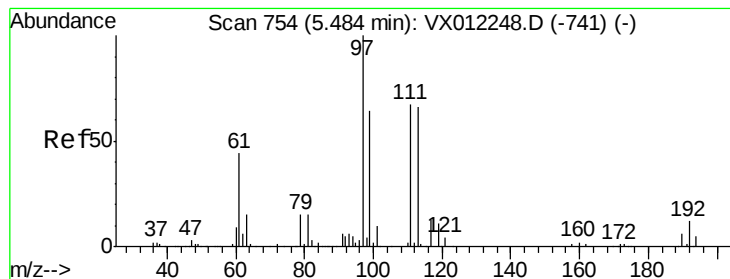


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.567 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012283.D

Acq: 11 Sep 2019 05:00

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(0)

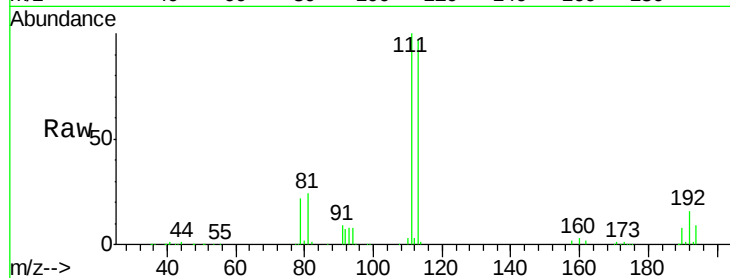
Tot Ion:113 Resp: 88122

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

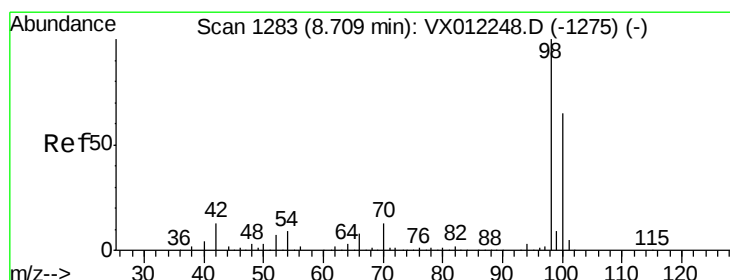
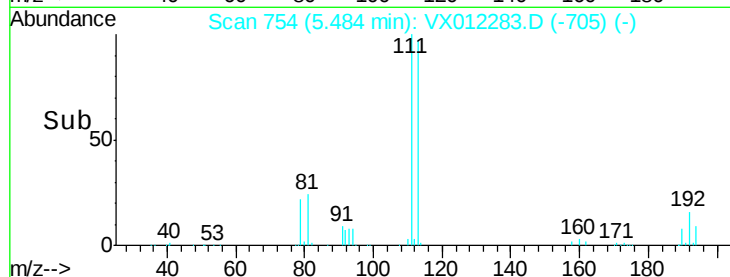
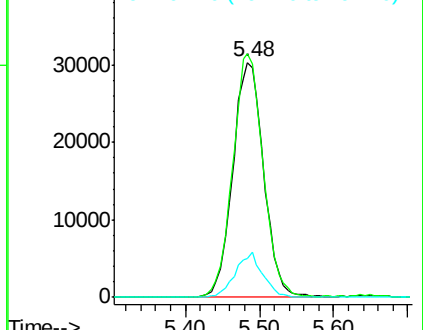
192 17.1 14.3 21.5



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: 51.134 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012283.D

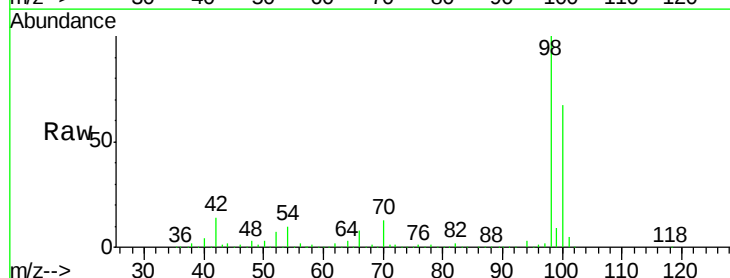
Acq: 11 Sep 2019 05:00

Tgt Ion: 98 Resp: 339386

Ion Ratio Lower Upper

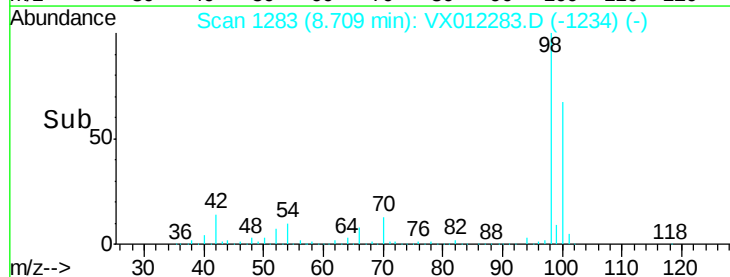
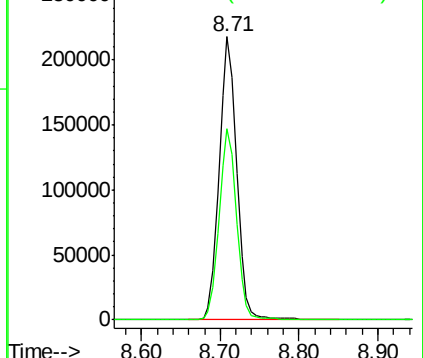
98 100

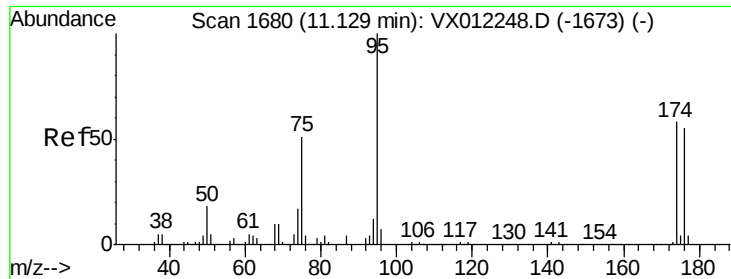
100 67.3 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 38.146 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012283.D

Acq: 11 Sep 2019 05:00

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(0)

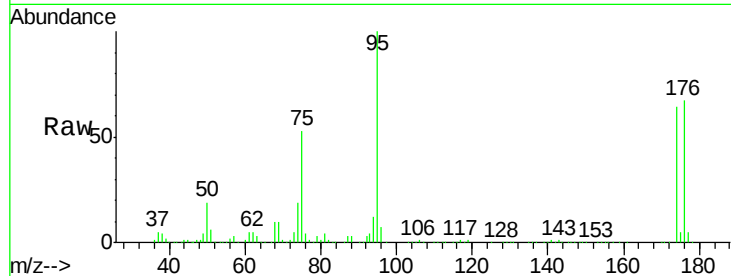
Tot Ion: 95 Resp: 117376

Ion Ratio Lower Upper

95 100

174 63.8 0.0 127.0

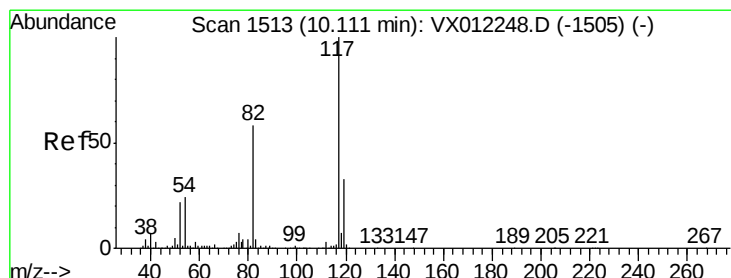
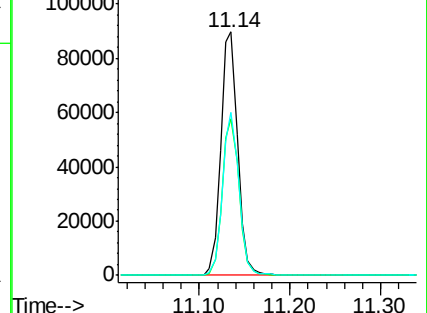
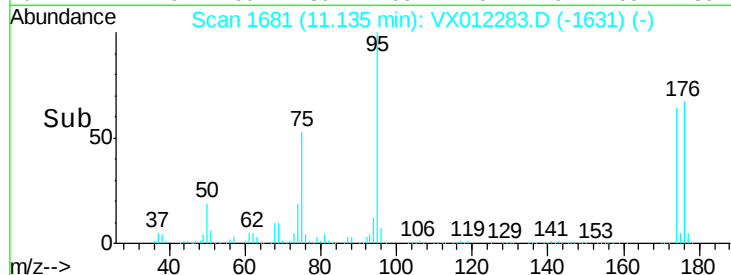
176 64.0 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012283.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX012283.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX012283.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012283.D

Acq: 11 Sep 2019 05:00

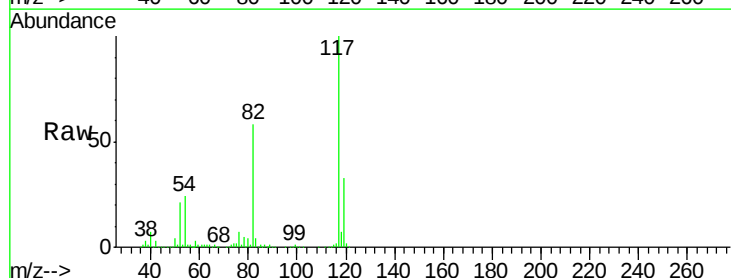
Tgt Ion: 117 Resp: 240989

Ion Ratio Lower Upper

117 100

82 58.0 46.4 69.6

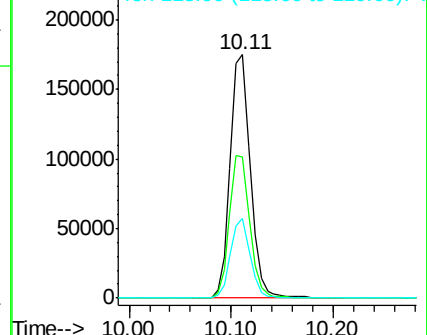
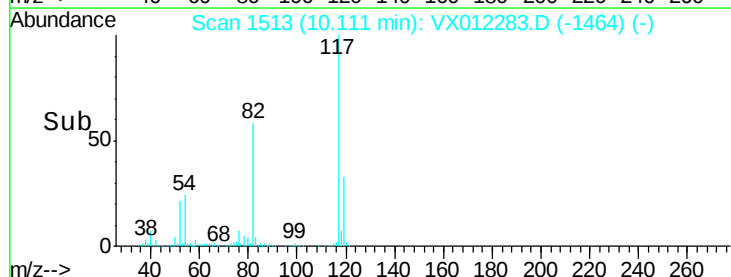
119 32.8 26.6 39.8

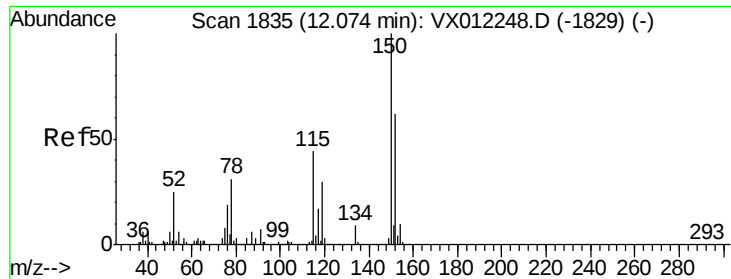


Abundance Ion 116.90 (116.60 to 117.60): VX012283.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012283.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012283.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: VX012283.D

Acq: 11 Sep 2019 05:00

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(0)

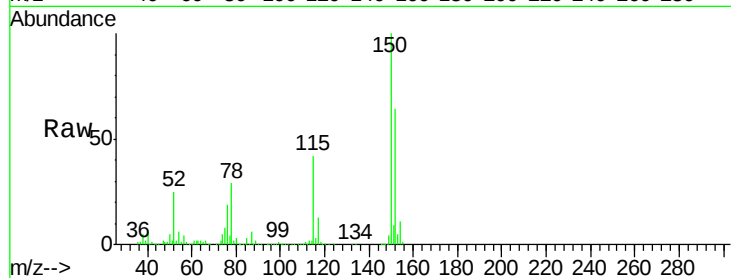
Tot Ion:152 Resp: 87191

Ion Ratio Lower Upper

152 100

115 63.7 45.5 136.4

150 155.2 0.0 346.4



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

