

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091119\
 Data File : VX012332.D
 Acq On : 12 Sep 2019 06:02
 Operator : SY/SP
 Sample : K4694-16
 Misc : 4.72g/5.0mL/MSVOA X/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-3-(1.5)

Quant Time: Sep 12 07:31:43 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	161746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	276599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102322	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	110746	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	5.48	113	81972	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
50) Toluene-d8	8.71	98	329128	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	11.14	95	123625	42.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.76%	

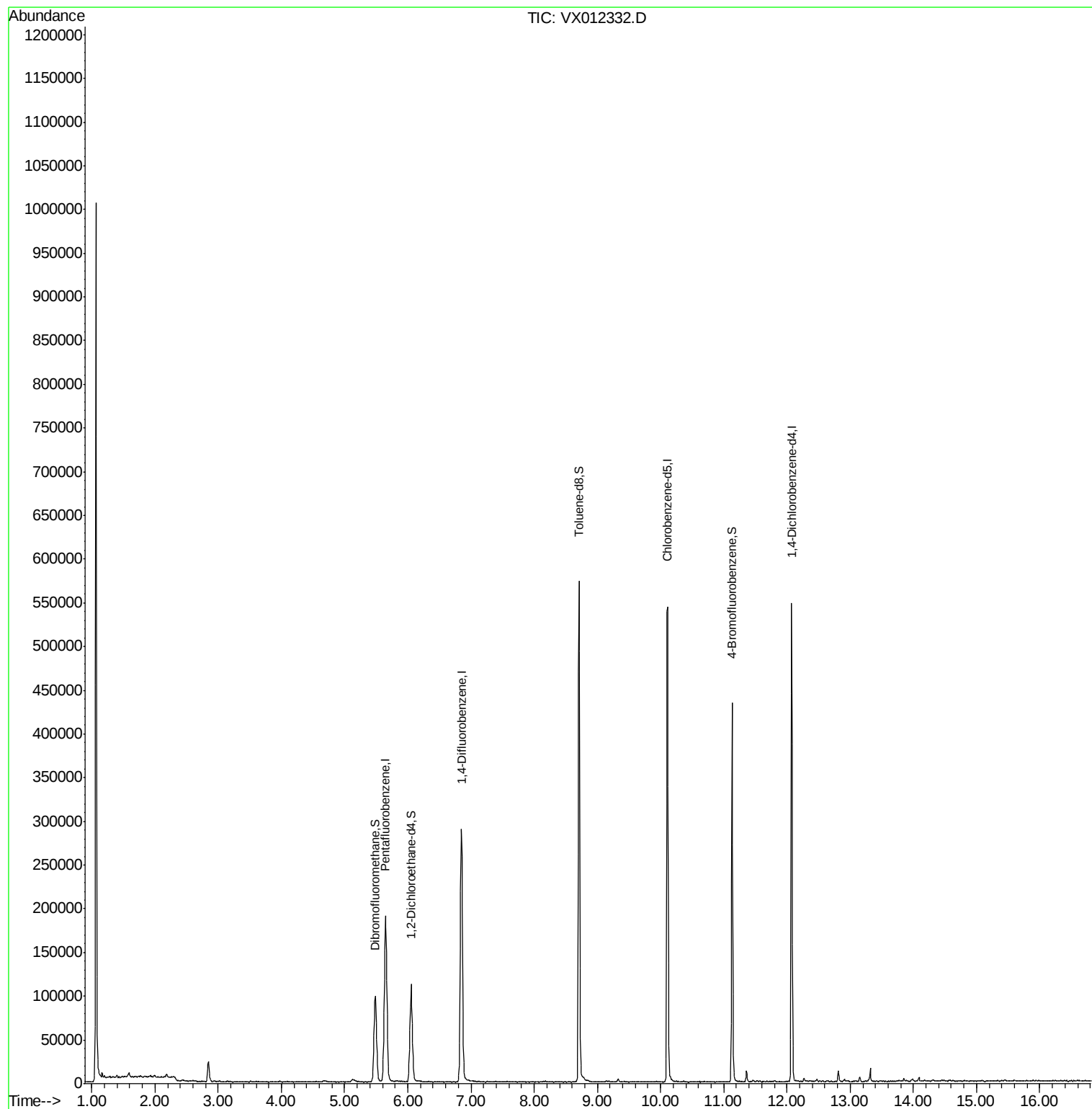
Target Compounds	Qvalue

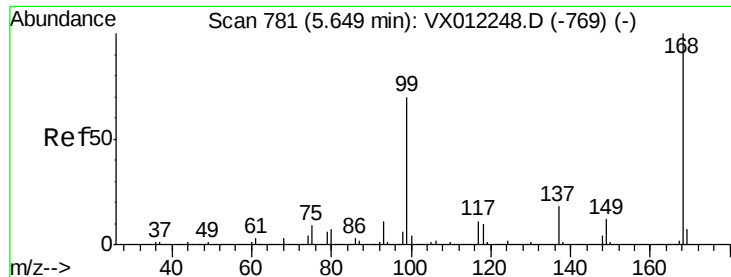
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012332.D

Acq: 12 Sep 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

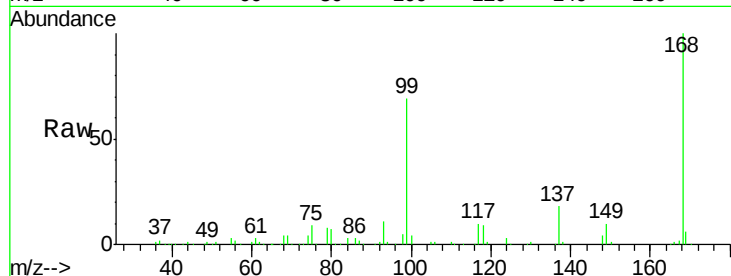
T2-3-(1.5)

Tot Ion:168 Resp: 161746

Ion Ratio Lower Upper

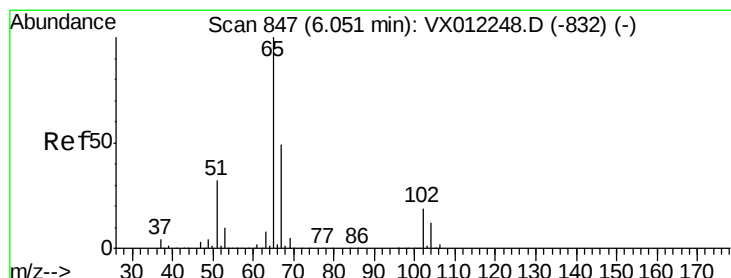
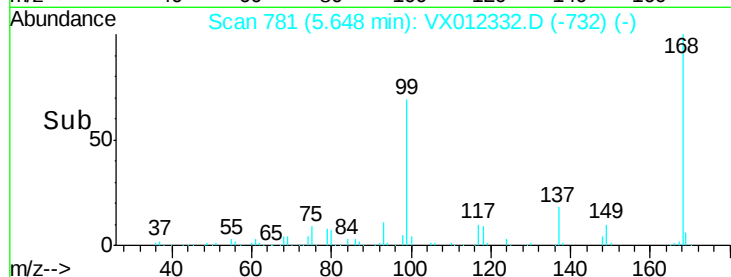
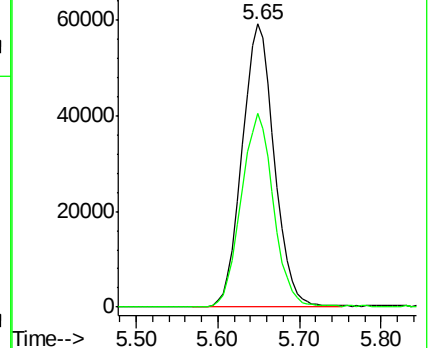
168 100

99 68.4 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.429 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012332.D

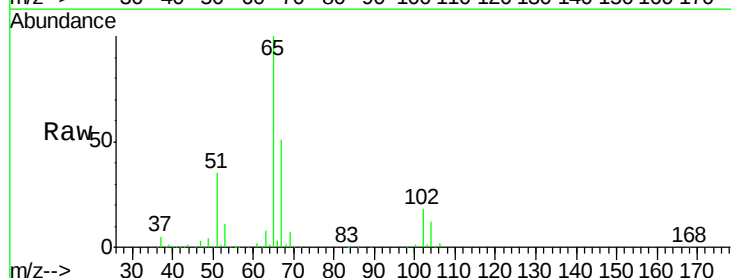
Acq: 12 Sep 2019 06:02

Tgt Ion: 65 Resp: 110746

Ion Ratio Lower Upper

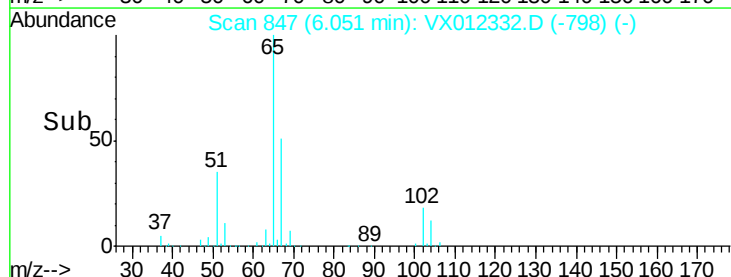
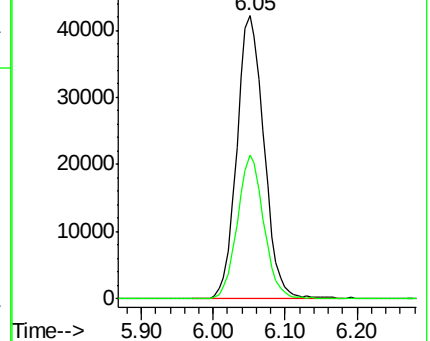
65 100

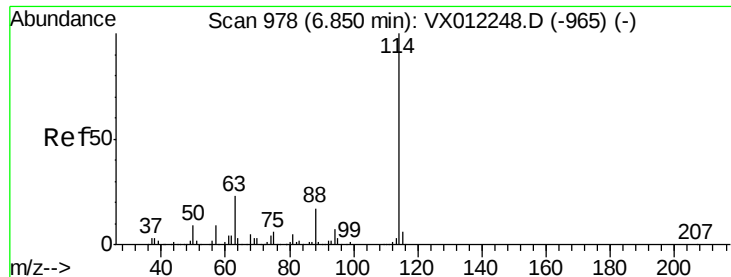
67 49.1 0.0 99.8



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: VX012332.D

Acq: 12 Sep 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

T2-3-(1.5)

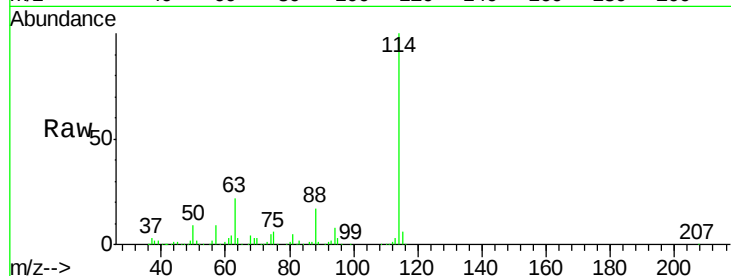
Tot Ion:114 Resp: 276599

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

88 17.3 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

150000

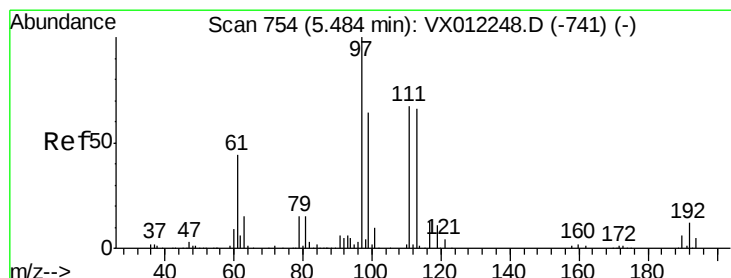
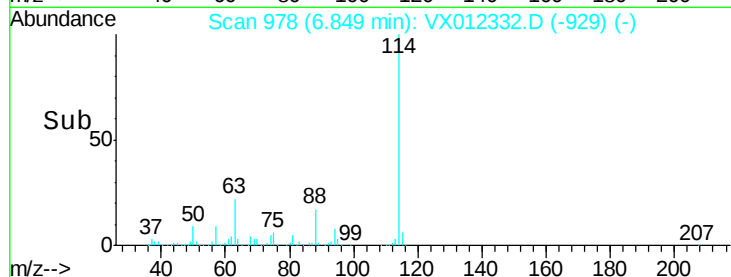
100000

50000

0

6.80 6.90

Time-->



#35

Dibromofluoromethane

Concen: 46.230 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012332.D

Acq: 12 Sep 2019 06:02

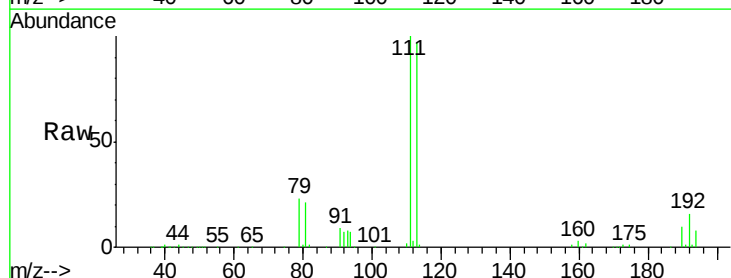
Tgt Ion:113 Resp: 81972

Ion Ratio Lower Upper

113 100

111 105.2 83.0 124.6

192 17.2 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

40000

30000

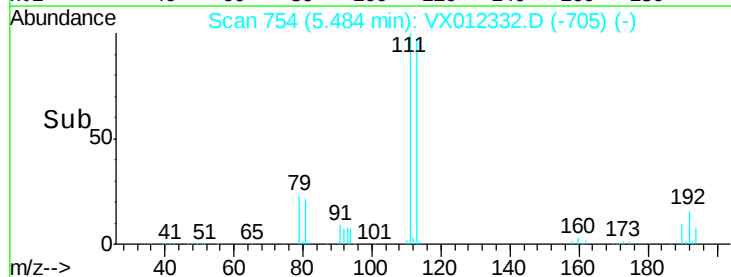
20000

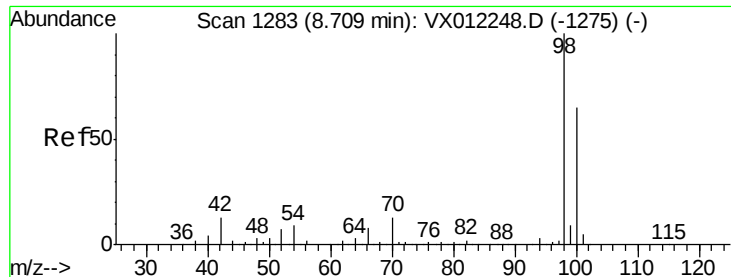
10000

0

5.40 5.50 5.60

Time-->





#50

Toluene-d8

Concen: 52.923 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012332.D

Acq: 12 Sep 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

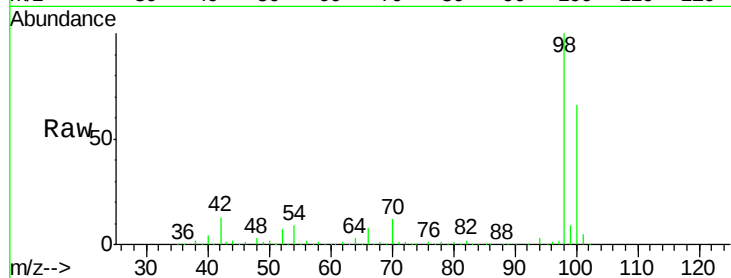
T2-3-(1.5)

Tot Ion: 98 Resp: 329128

Ion Ratio Lower Upper

98 100

100 66.5 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

250000

200000

150000

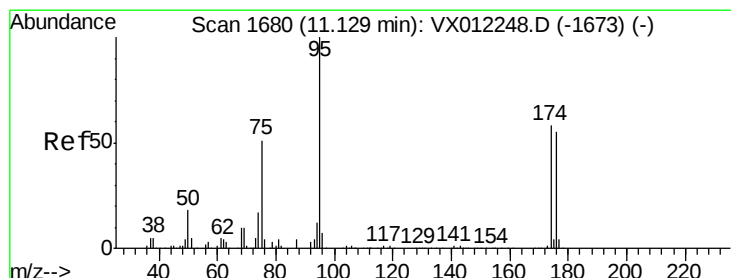
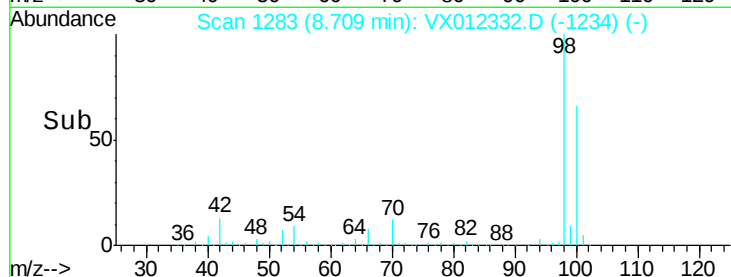
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 42.879 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012332.D

Acq: 12 Sep 2019 06:02

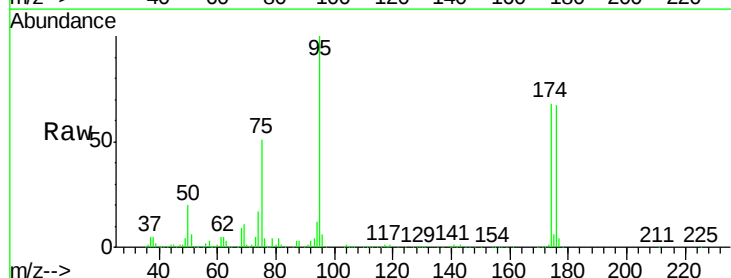
Tgt Ion: 95 Resp: 123625

Ion Ratio Lower Upper

95 100

174 66.5 0.0 127.0

176 64.2 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

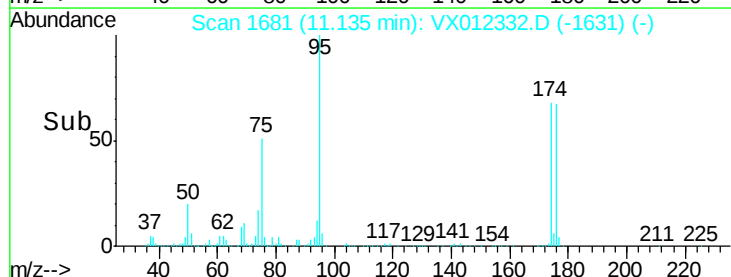
40000

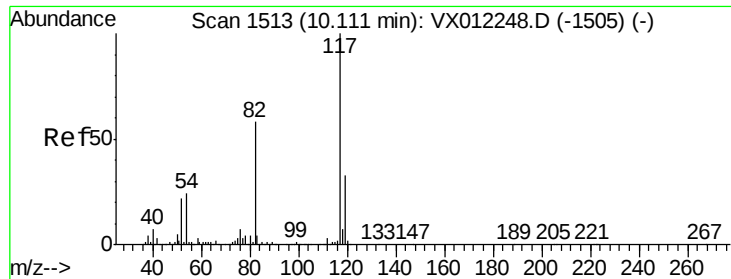
20000

0

11.10 11.20

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012332.D

Acq: 12 Sep 2019 06:02

Instrument :

MSVOA_X

ClientSampleId :

T2-3-(1.5)

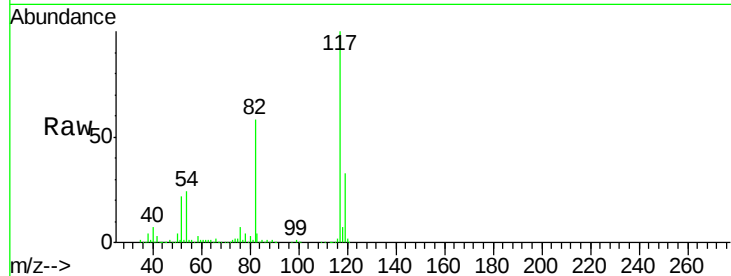
Tot Ion:117 Resp: 240464

Ion Ratio Lower Upper

117 100

82 57.8 46.4 69.6

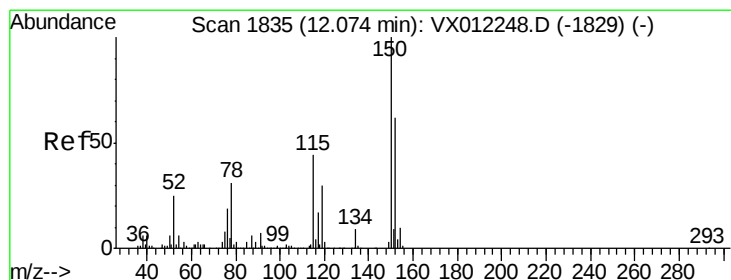
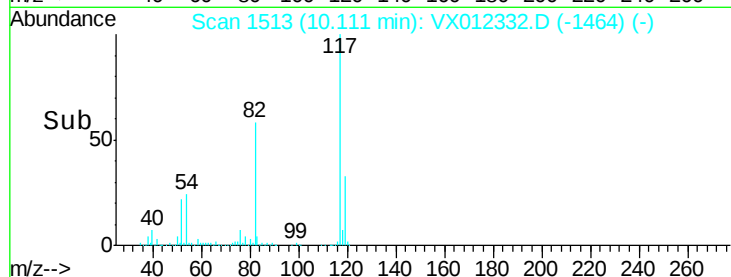
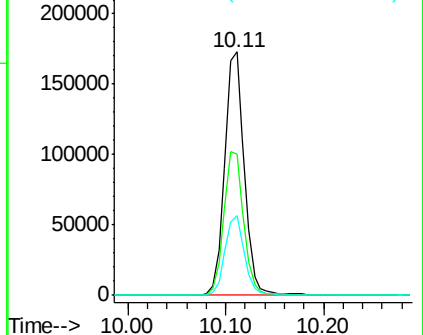
119 32.5 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012332.D

Acq: 12 Sep 2019 06:02

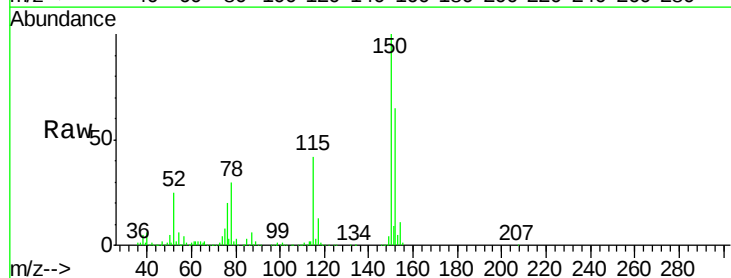
Tgt Ion:152 Resp: 102322

Ion Ratio Lower Upper

152 100

115 64.2 45.5 136.4

150 153.7 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

