

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011960.D
 Acq On : 31 Aug 2019 19:36
 Operator : SY/SP
 Sample : K4526-08
 Misc : 5.39g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-F3-(0)

Quant Time: Sep 01 03:07:22 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

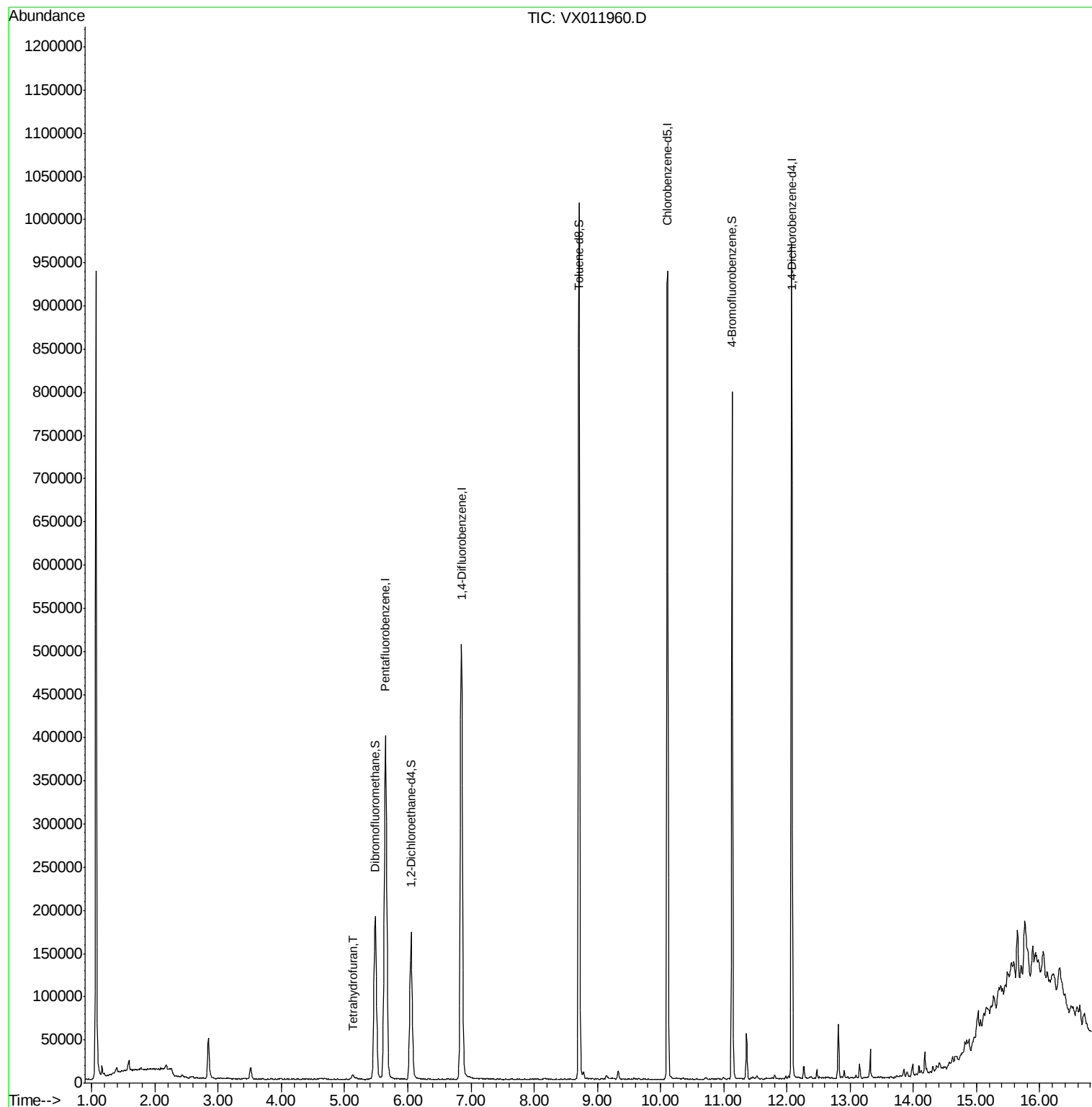
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	424671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	533844	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	446386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	205031	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	164396	40.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.80%	
35) Dibromofluoromethane	5.48	113	151807	44.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.70%	
50) Toluene-d8	8.71	98	592066	48.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.13	95	200142	37.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.56%	
Target Compounds						
29) Tetrahydrofuran	5.14	42	4856	6.102	ug/l #	Qvalue 87

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#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 :

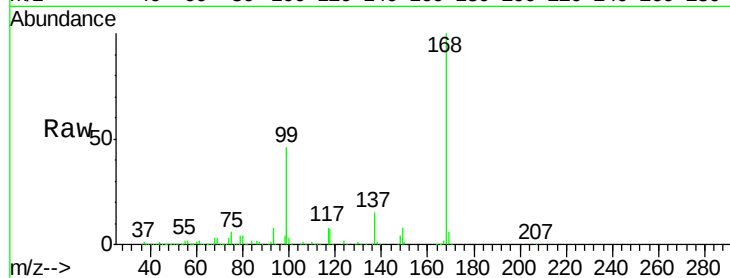
T9-12-13-F3-(0)

Tot Ion:168 Resp: 424671

Ion Ratio Lower Upper

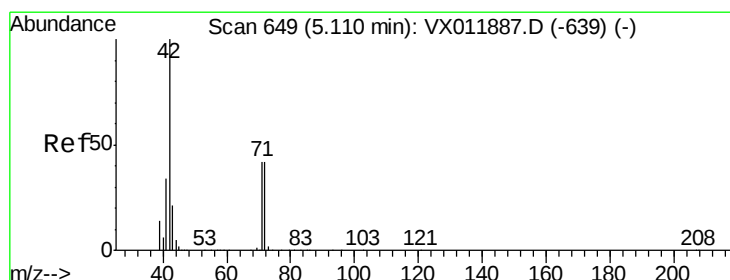
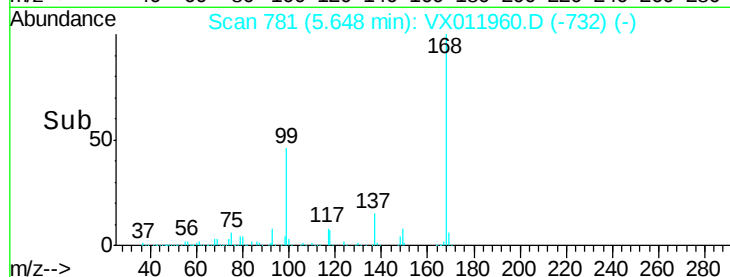
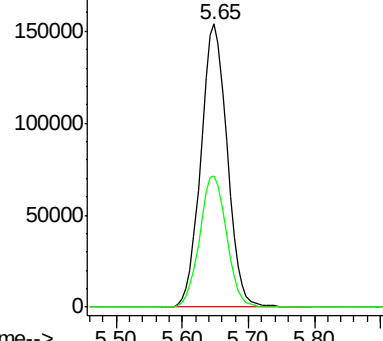
168 100

99 46.0 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#29

Tetrahydrofuran

Concen: 6.102 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.03 min

Lab File: VX011960.D

Acq: 31 Aug 2019 19:36

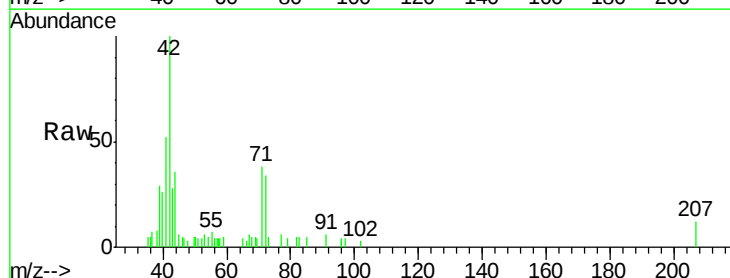
Tgt Ion: 42 Resp: 4856

Ion Ratio Lower Upper

42 100

72 49.2 36.2 54.4

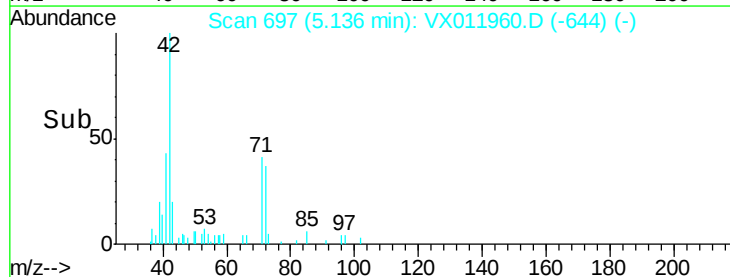
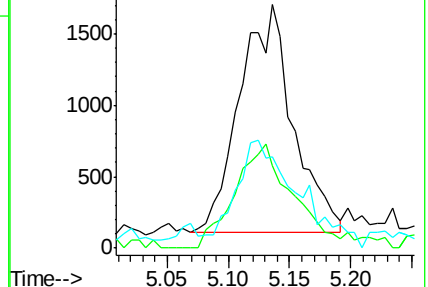
71 54.8 33.1 49.7#

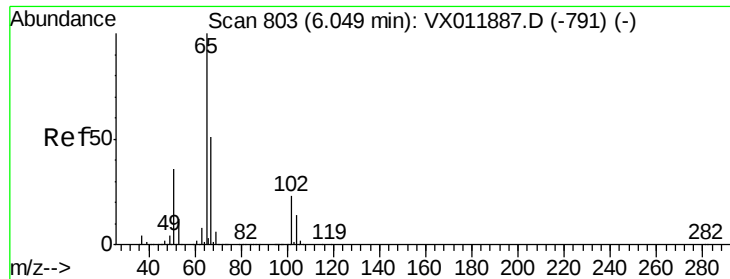


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

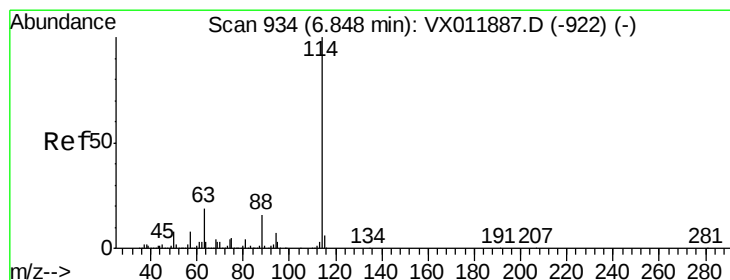
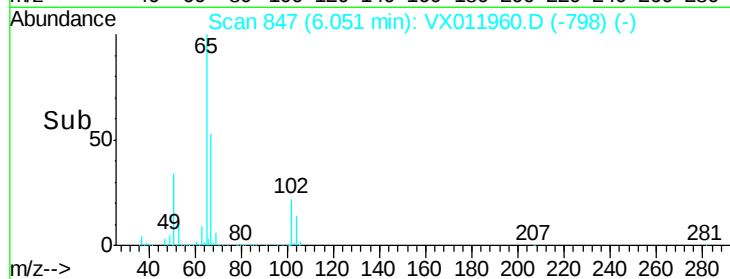
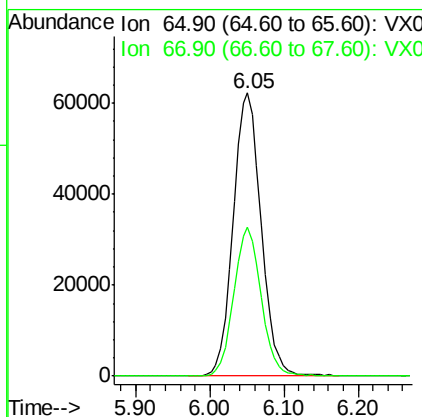
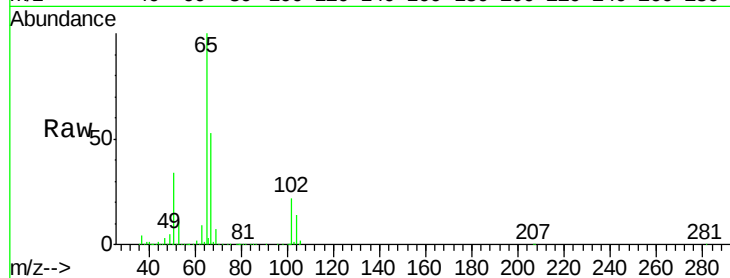




#33
 1,2-Dichloroethane-d4
 Concen: 40.404 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011960.D
 Acq: 31 Aug 2019 19:36

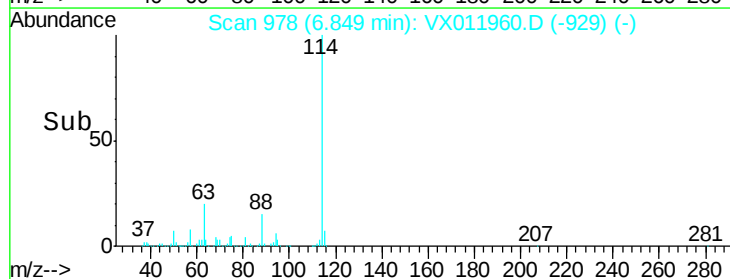
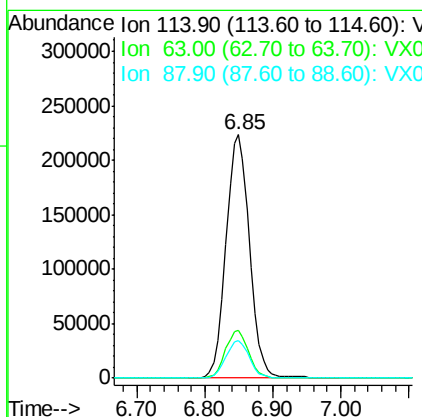
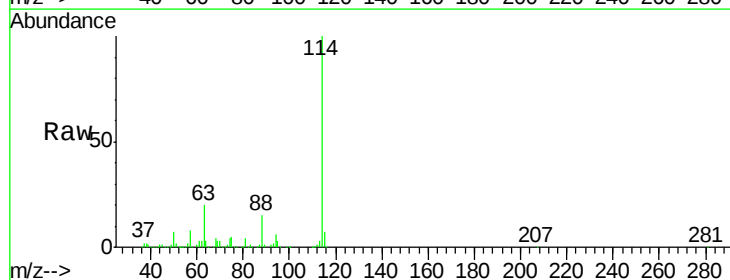
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-F3-(0)

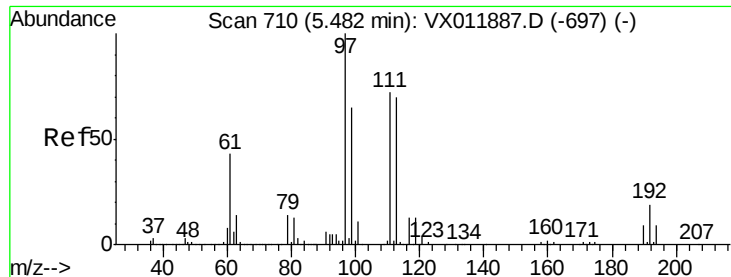
Tot Ion: 65 Resp: 164396
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011960.D
 Acq: 31 Aug 2019 19:36

Tgt Ion: 114 Resp: 533844
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.8
 88 15.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 44.346 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011960.D

Acq: 31 Aug 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-F3-(0)

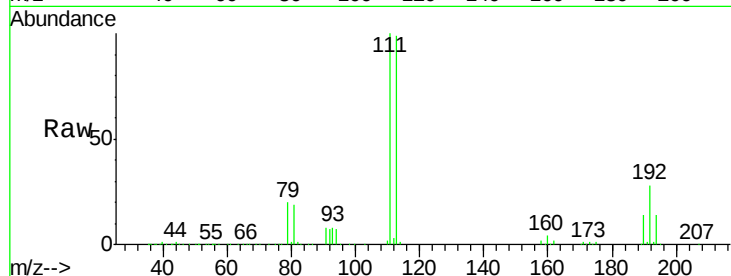
Tot Ion:113 Resp: 151807

Ion Ratio Lower Upper

113 100

111 103.6 82.1 123.1

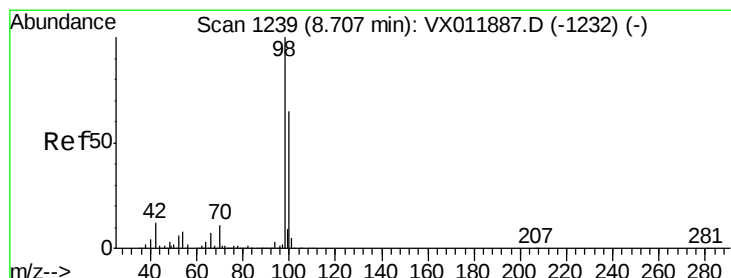
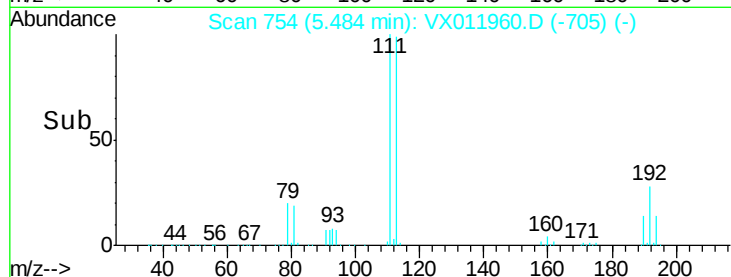
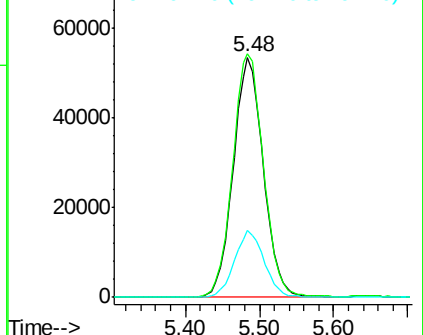
192 27.4 21.5 32.3



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: 48.383 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011960.D

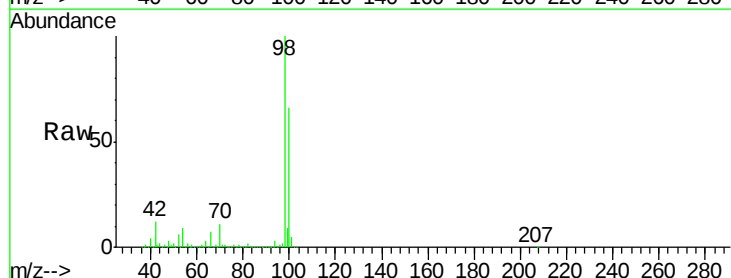
Acq: 31 Aug 2019 19:36

Tgt Ion: 98 Resp: 592066

Ion Ratio Lower Upper

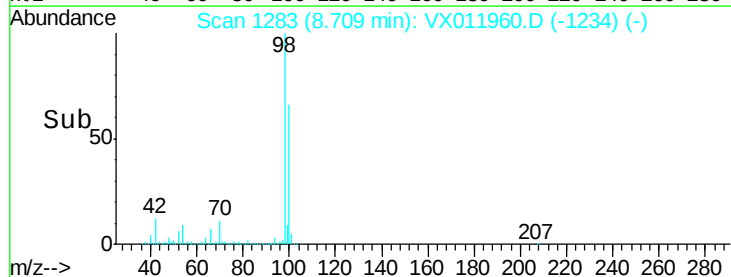
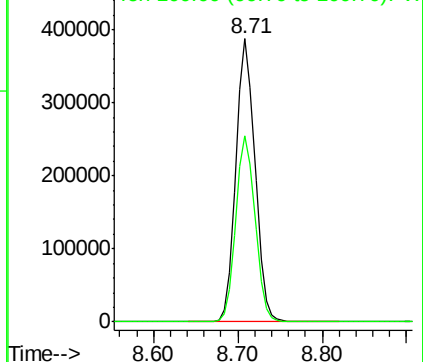
98 100

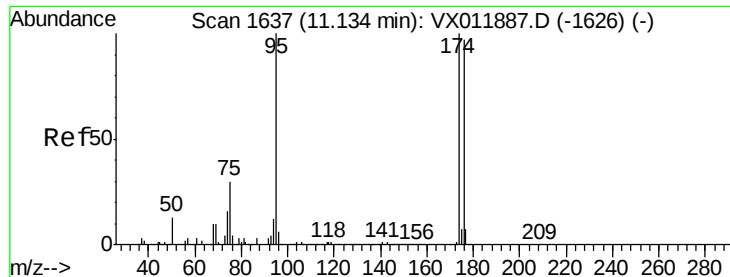
100 66.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 37.285 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011960.D

Acq: 31 Aug 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-F3-(0)

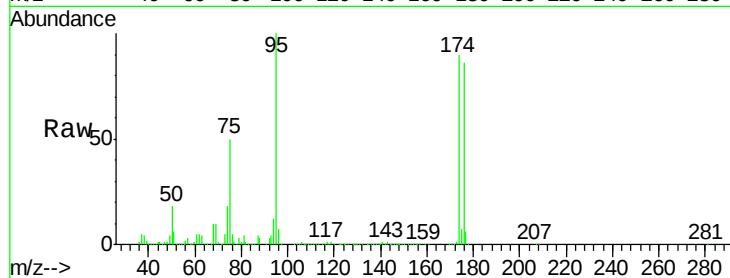
Tot Ion: 95 Resp: 200142

Ion Ratio Lower Upper

95 100

174 101.0 0.0 196.0

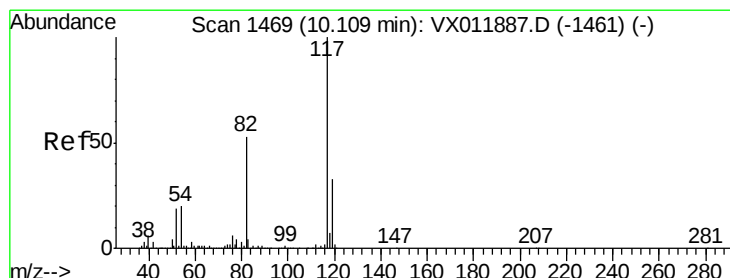
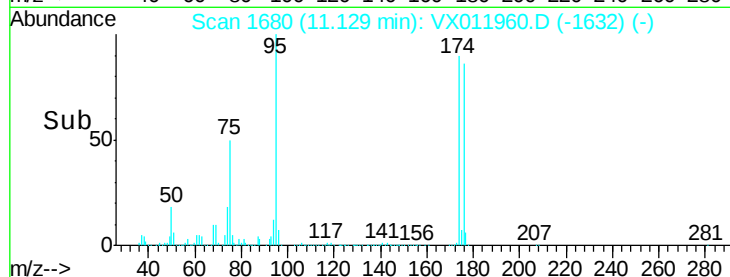
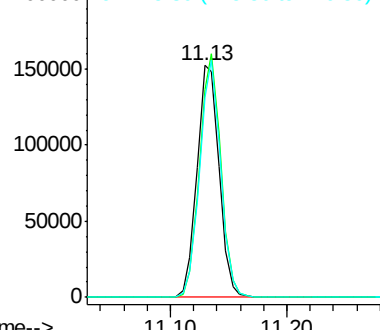
176 96.8 0.0 191.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011960.D

Acq: 31 Aug 2019 19:36

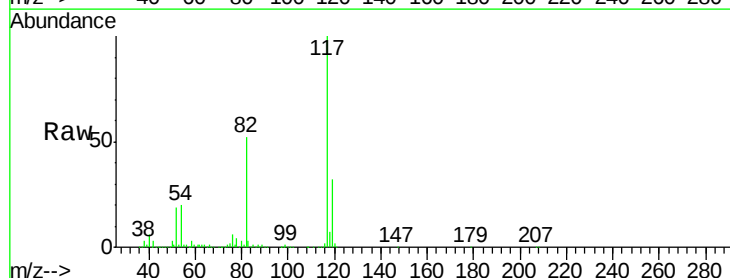
Tgt Ion: 117 Resp: 446386

Ion Ratio Lower Upper

117 100

82 52.2 42.0 63.0

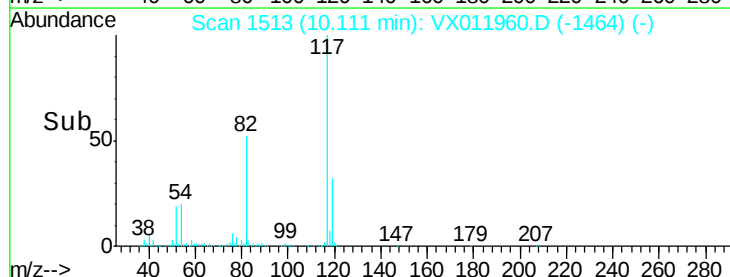
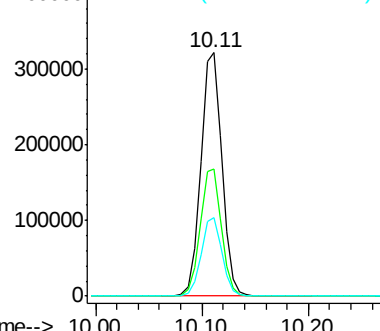
119 32.3 26.2 39.4

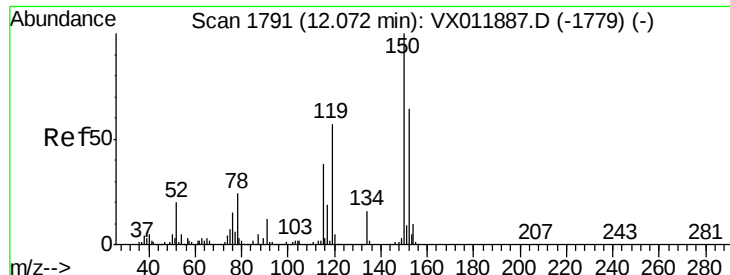


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

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: VX011960.D

Acq: 31 Aug 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-F3-(0)

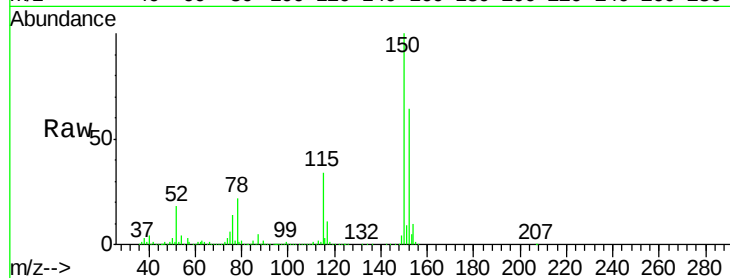
Tot Ion:152 Resp: 205031

Ion Ratio Lower Upper

152 100

115 52.8 37.1 111.3

150 156.3 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

