

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011976.D
 Acq On : 01 Sep 2019 04:01
 Operator : SY/SP
 Sample : K4526-20
 Misc : 5.62g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 01 04:23:57 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

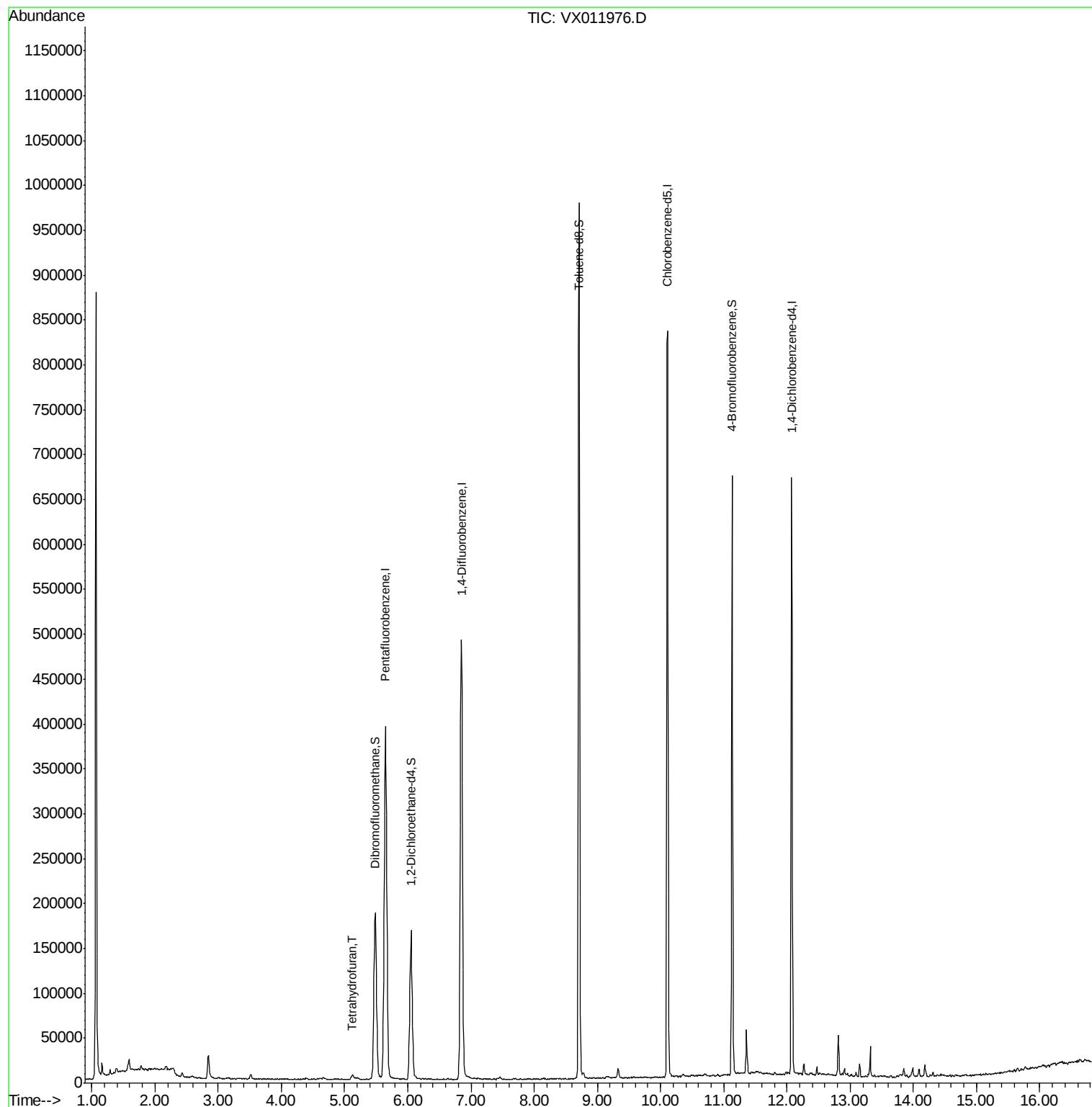
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	416514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	521158	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	398748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	147825	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	161552	40.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.96%	
35) Dibromofluoromethane	5.48	113	152658	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	8.71	98	566791	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
62) 4-Bromofluorobenzene	11.14	95	162857	31.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.16%	
Target Compounds						
29) Tetrahydrofuran	5.13	42	4493	5.756	ug/l	Qvalue 92

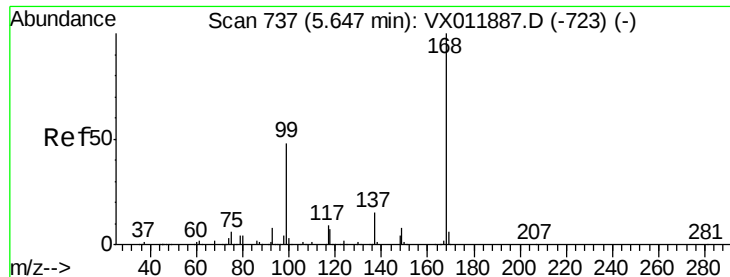
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 30 01:59:05 2019
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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: VX011976.D

Acq: 01 Sep 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

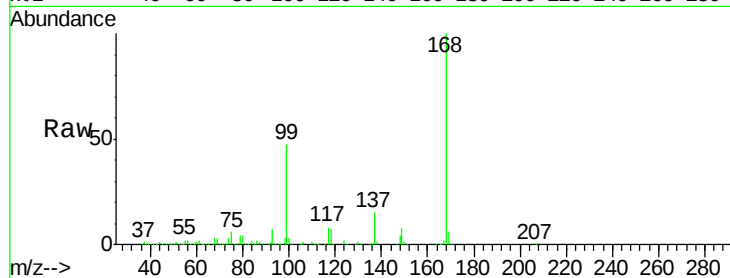
T9-12-13-L-(0)

Tot Ion:168 Resp: 416514

Ion Ratio Lower Upper

168 100

99 47.4 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

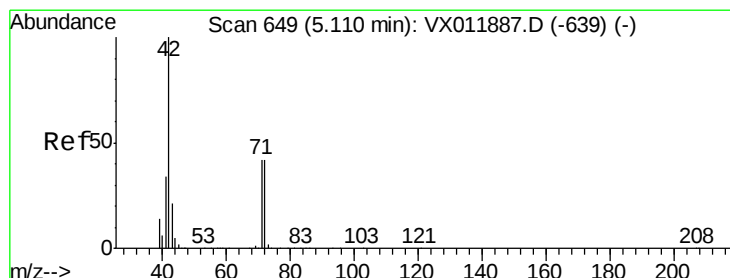
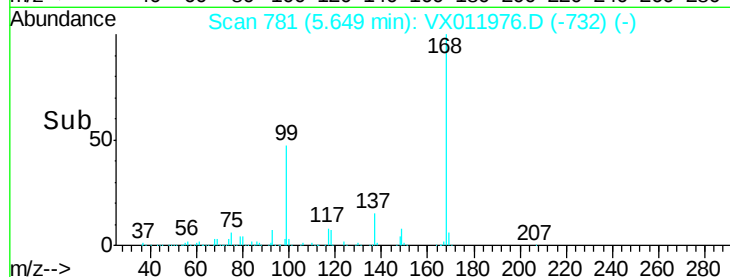
150000

100000

50000

0

Time-->



#29

Tetrahydrofuran

Concen: 5.756 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX011976.D

Acq: 01 Sep 2019 04:01

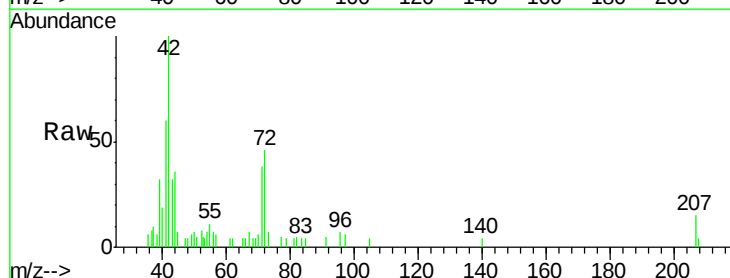
Tgt Ion: 42 Resp: 4493

Ion Ratio Lower Upper

42 100

72 49.5 36.2 54.4

71 47.3 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

2000

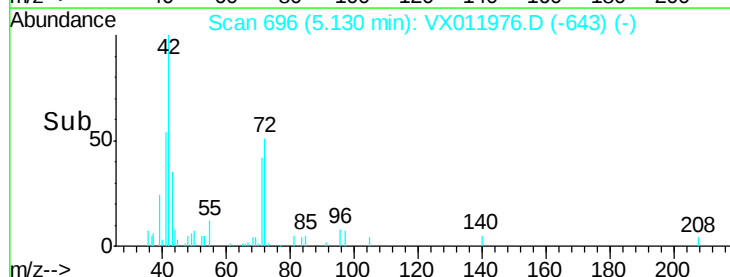
1500

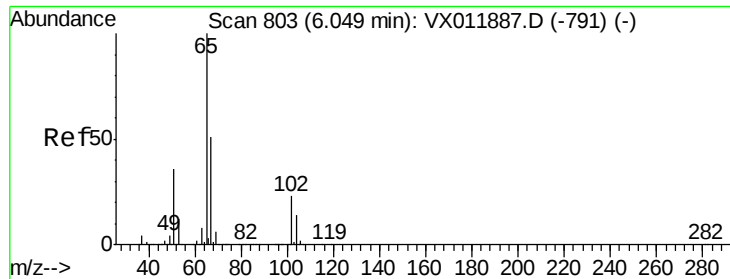
1000

500

0

Time-->

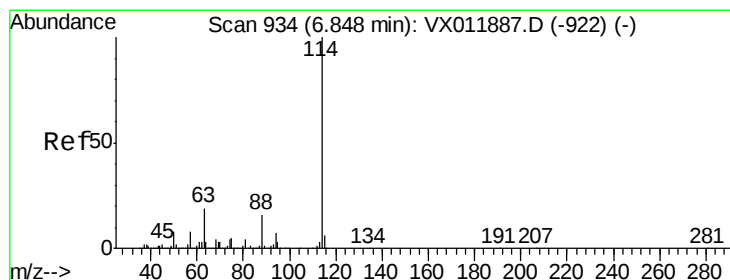
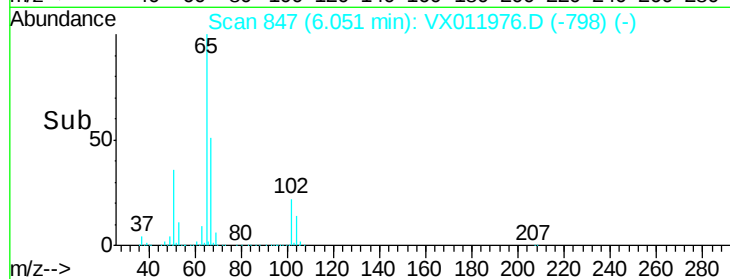
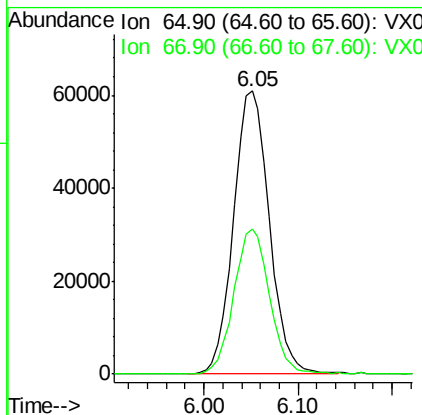
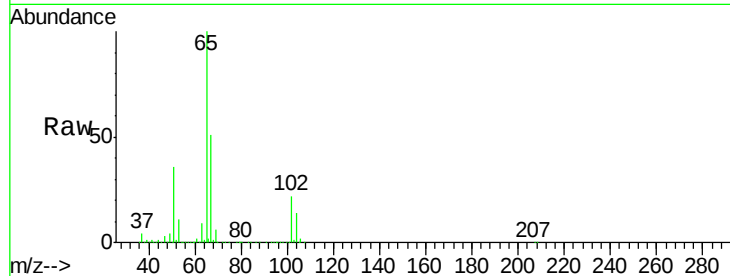




#33
 1,2-Dichloroethane-d4
 Concen: 40.483 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011976.D
 Acq: 01 Sep 2019 04:01

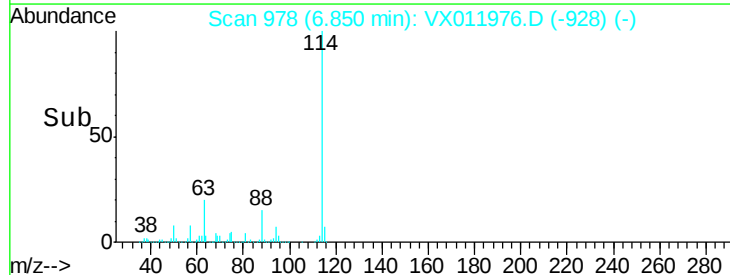
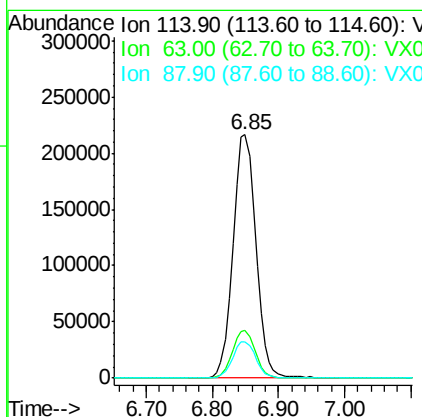
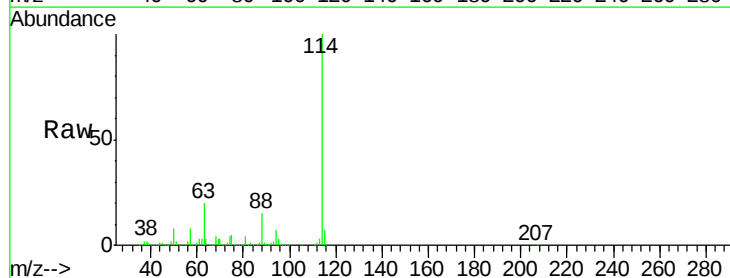
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-L-(0)

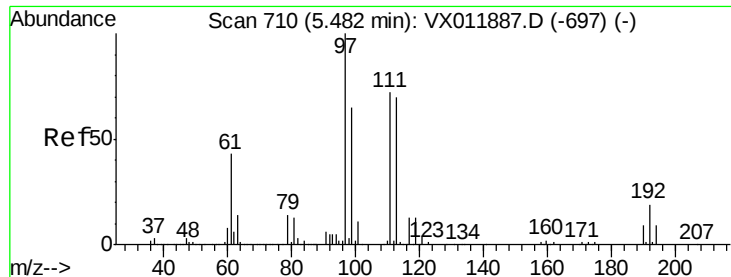
Tot Ion: 65 Resp: 161552
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011976.D
 Acq: 01 Sep 2019 04:01

Tgt Ion: 114 Resp: 521158
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.8
 88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 45.680 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011976.D

Acq: 01 Sep 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-L-(0)

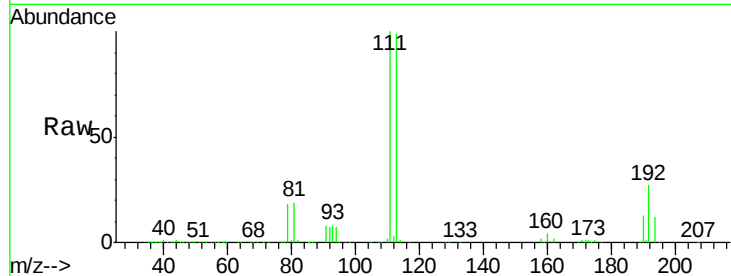
Tot Ion:113 Resp: 152658

Ion Ratio Lower Upper

113 100

111 100.9 82.1 123.1

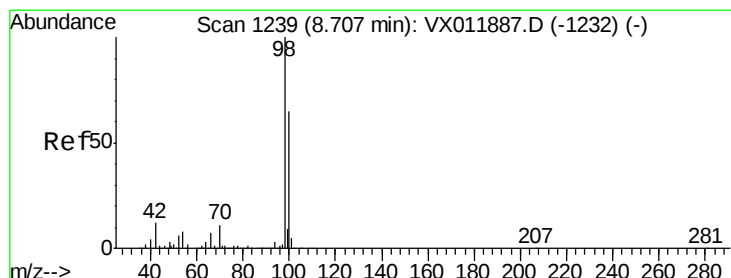
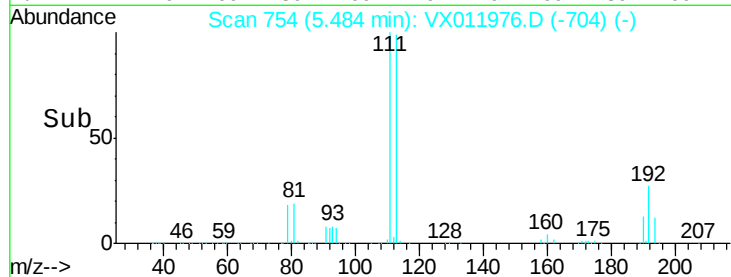
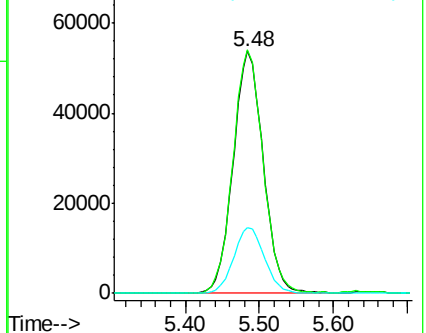
192 27.8 21.5 32.3



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: 47.445 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011976.D

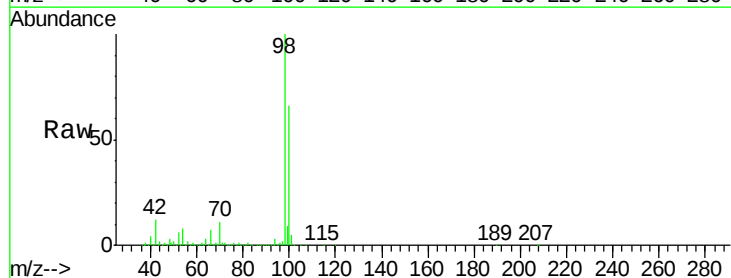
Acq: 01 Sep 2019 04:01

Tgt Ion: 98 Resp: 566791

Ion Ratio Lower Upper

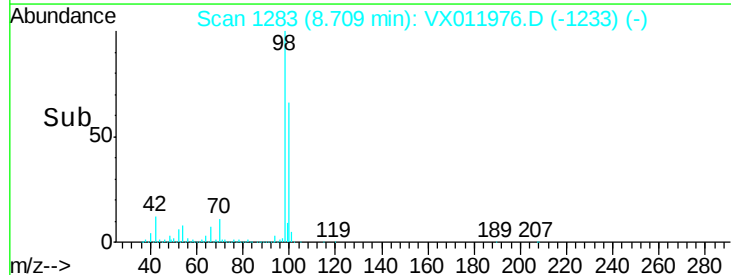
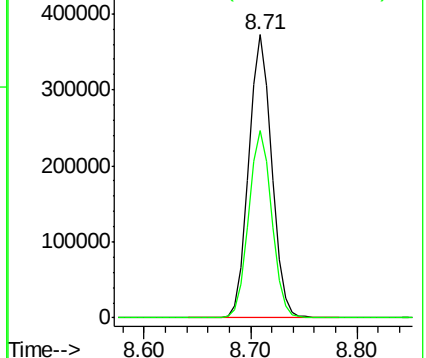
98 100

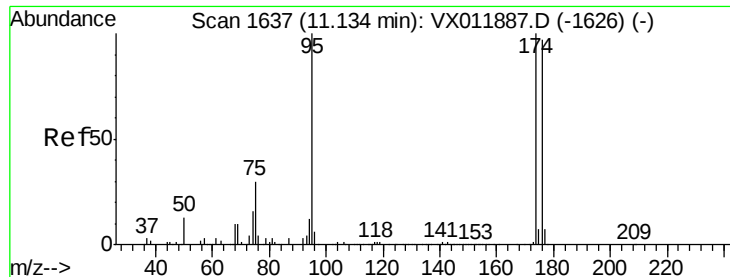
100 66.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

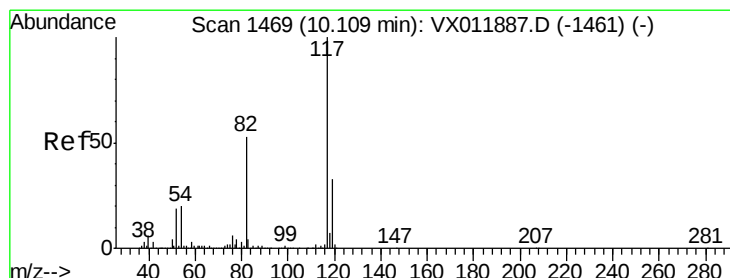
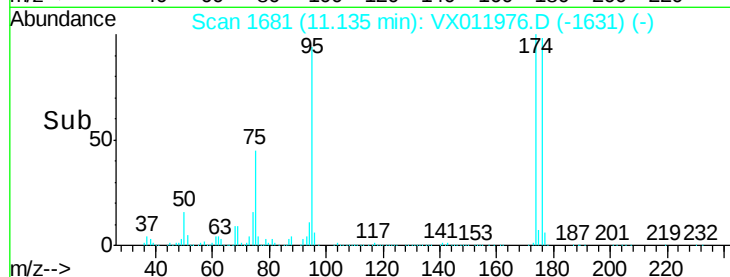
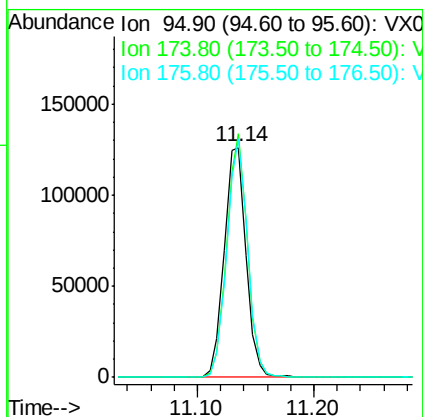
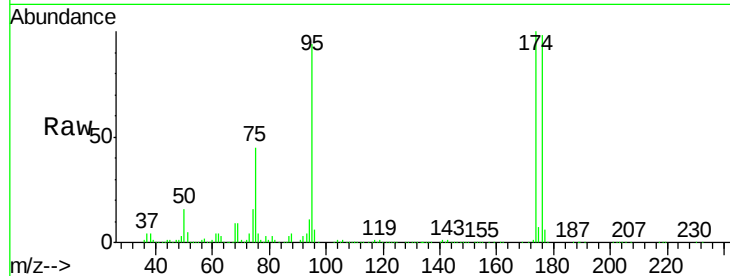




#62
4-Bromofluorobenzene
Concen: 31.077 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX011976.D
Acq: 01 Sep 2019 04:01

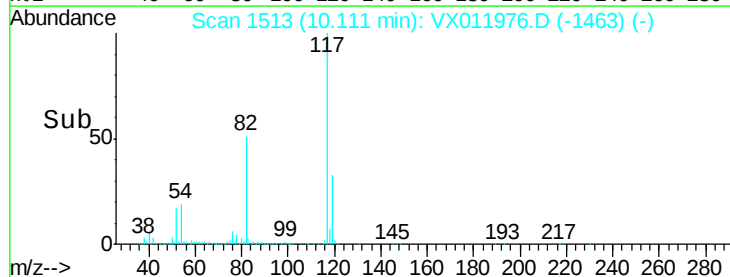
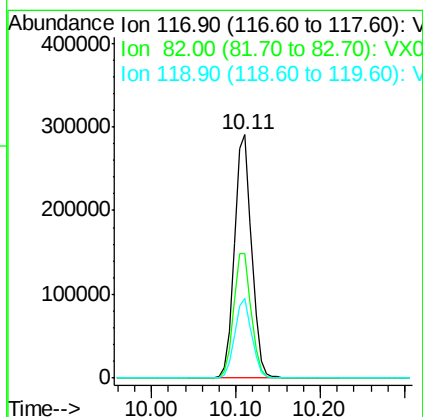
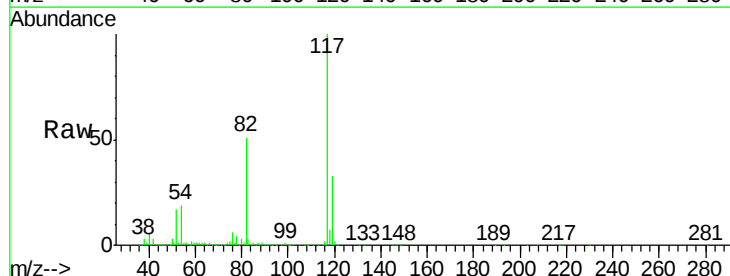
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-L-(0)

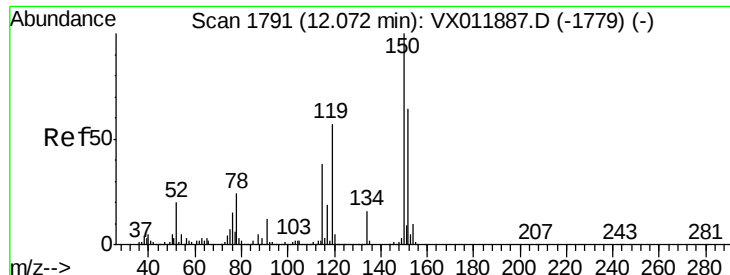
Tot Ion: 95 Resp: 162857
Ion Ratio Lower Upper
95 100
174 100.8 0.0 196.0
176 99.5 0.0 191.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011976.D
Acq: 01 Sep 2019 04:01

Tgt Ion: 117 Resp: 398748
Ion Ratio Lower Upper
117 100
82 51.2 42.0 63.0
119 32.6 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011976.D

Acq: 01 Sep 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-L-(0)

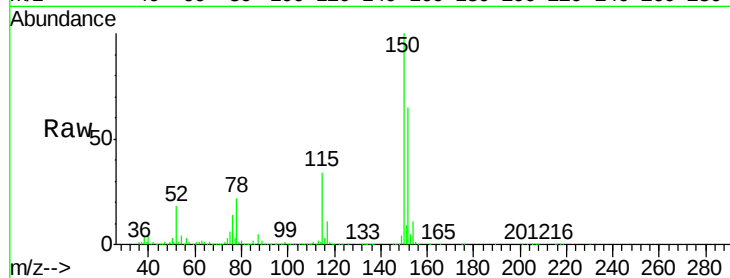
Tot Ion:152 Resp: 147825

Ion Ratio Lower Upper

152 100

115 52.8 37.1 111.3

150 153.2 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

