

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012278.D
 Acq On : 11 Sep 2019 02:39
 Operator : SY/SP
 Sample : K4643-04
 Misc : 4.52g/5.0mL/MSVOA X/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-B3-(0)

Quant Time: Sep 11 03:32:49 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

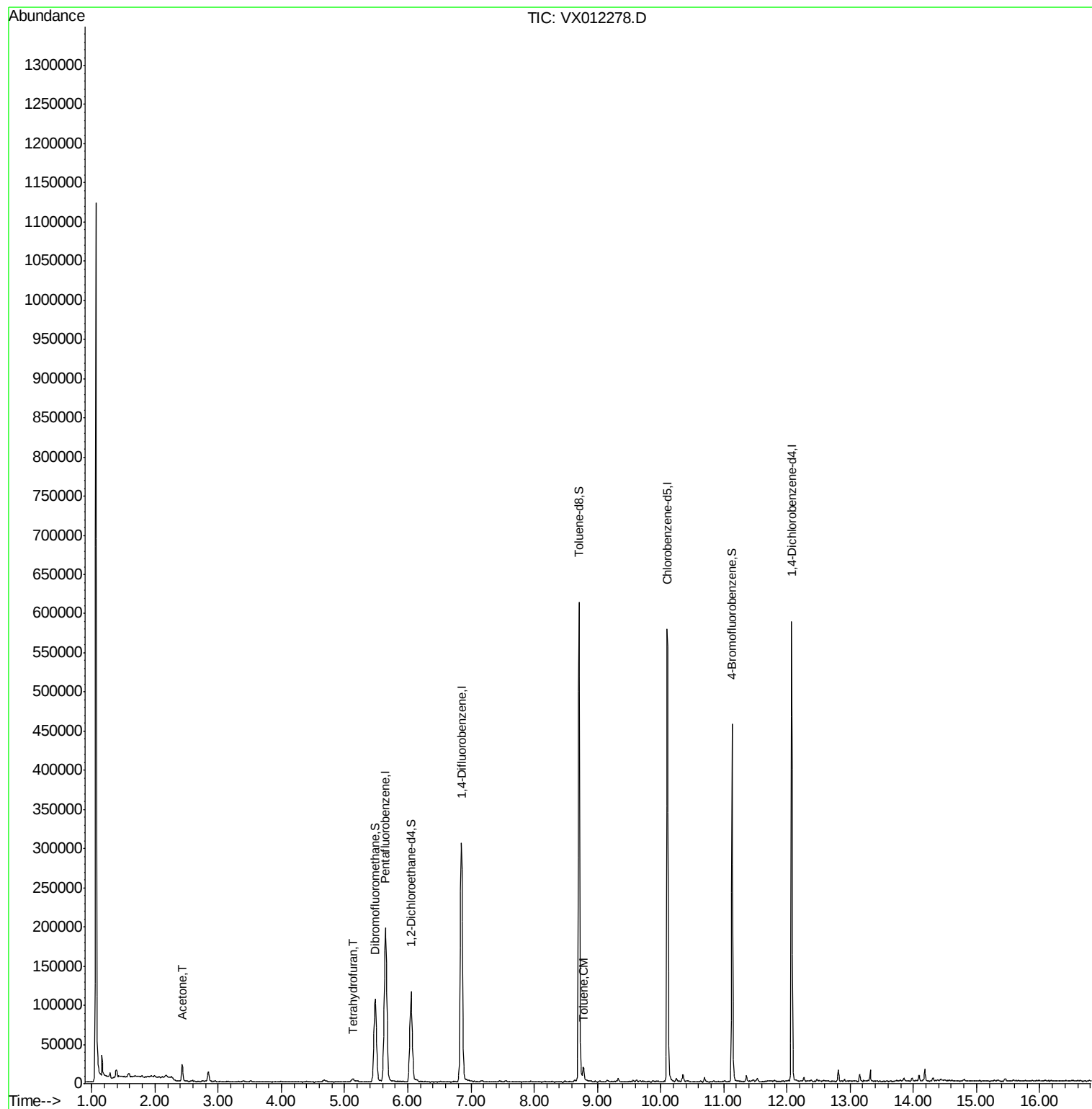
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	167638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	292712	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105647	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	116402	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.22%	
35) Dibromofluoromethane	5.48	113	89689	47.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.60%	
50) Toluene-d8	8.71	98	347508	52.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.60%	
62) 4-Bromofluorobenzene	11.13	95	131281	43.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.06%	
Target Compounds						
16) Acetone	2.43	43	23193	41.337	ug/l	90
29) Tetrahydrofuran	5.12	42	5117	13.223	ug/l	94
52) Toluene	8.78	92	5723	1.341	ug/l	98

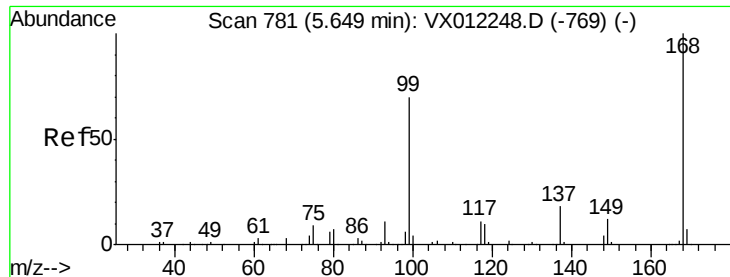
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012278.D

Acq: 11 Sep 2019 02:39

Instrument :

MSVOA_X

ClientSampleId :

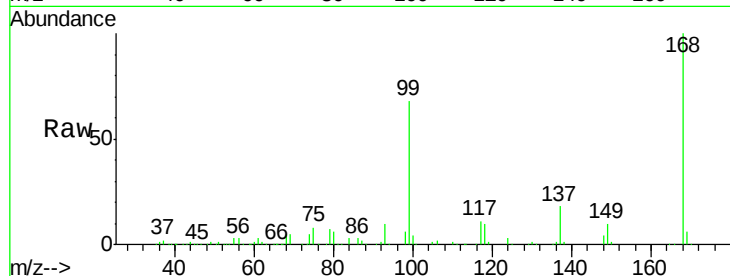
T11-B3-(0)

Tot Ion:168 Resp: 167638

Ion Ratio Lower Upper

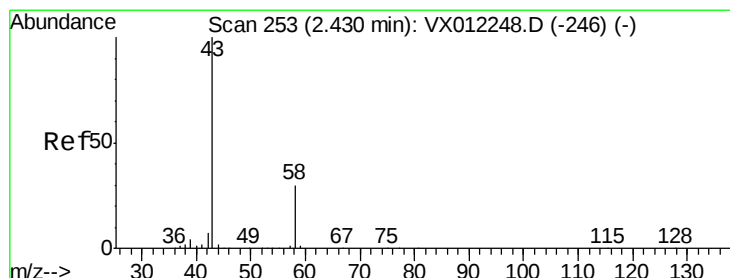
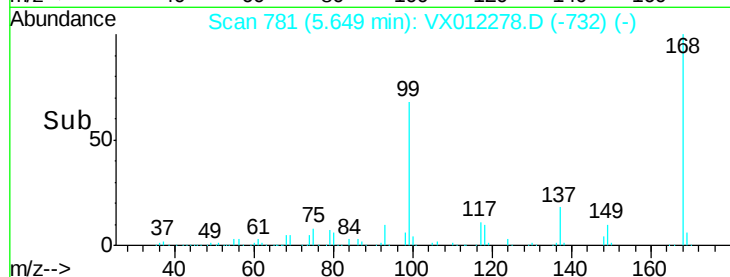
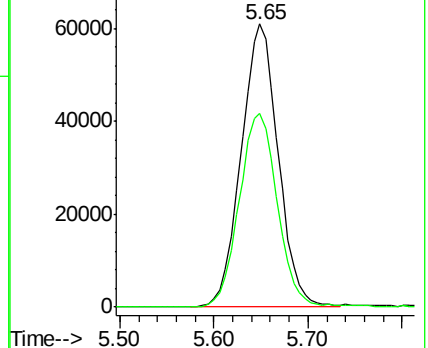
168 100

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



#16

Acetone

Concen: 41.337 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012278.D

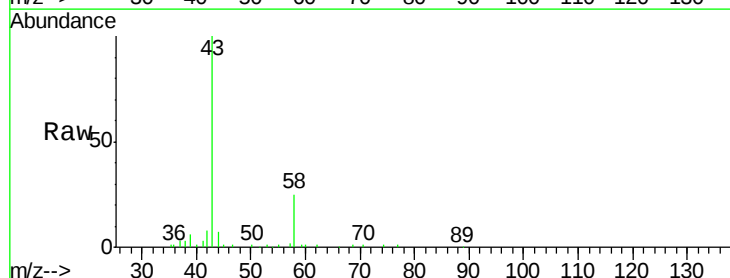
Acq: 11 Sep 2019 02:39

Tgt Ion: 43 Resp: 23193

Ion Ratio Lower Upper

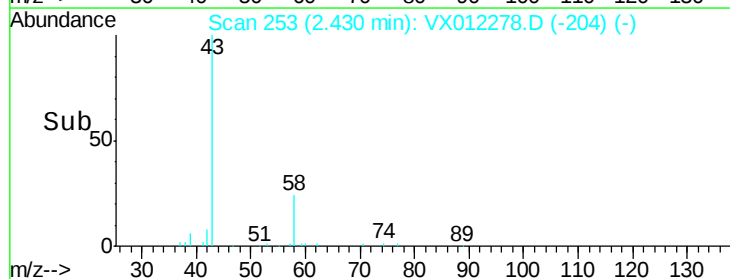
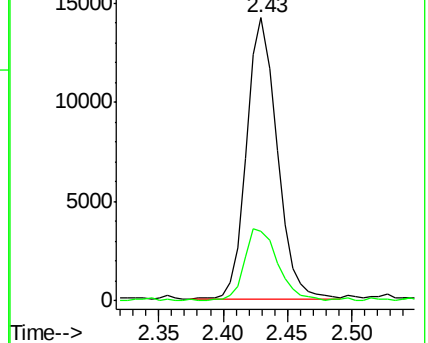
43 100

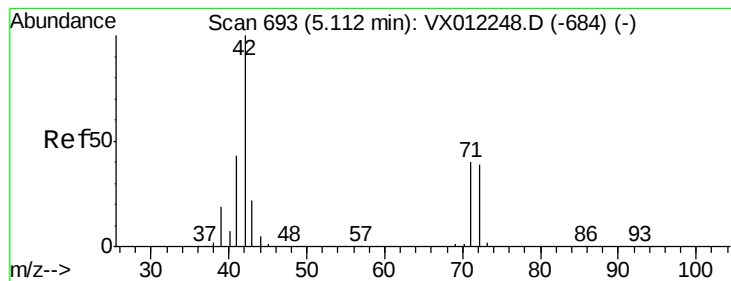
58 24.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#29

Tetrahydrofuran

Concen: 13.223 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012278.D

Acq: 11 Sep 2019 02:39

Instrument :

MSVOA_X

ClientSampled :

T11-B3-(0)

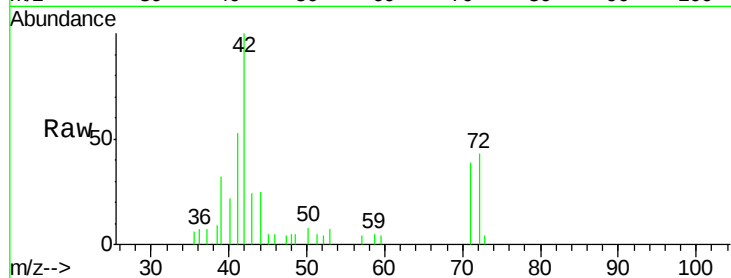
Tot Ion: 42 Resp: 5117

Ion Ratio Lower Upper

42 100

72 38.7 35.2 52.8

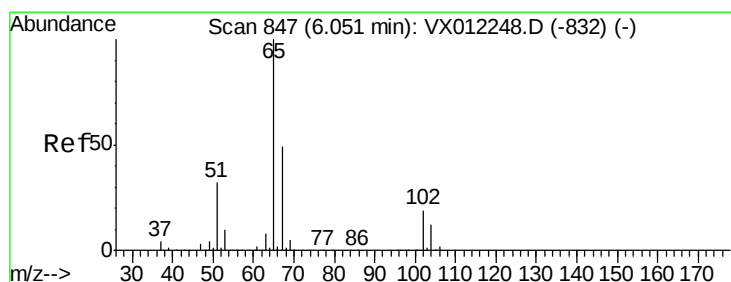
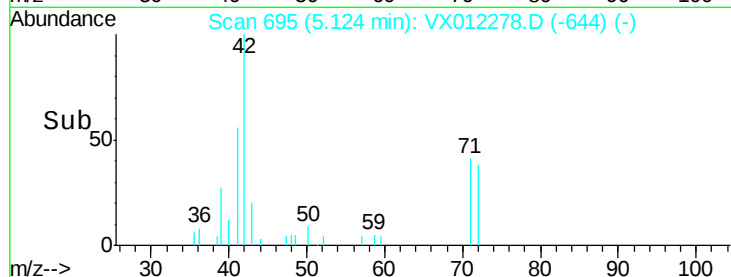
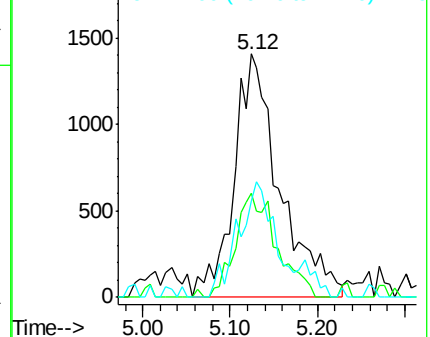
71 37.8 32.5 48.7



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



#33

1,2-Dichloroethane-d4

Concen: 49.113 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012278.D

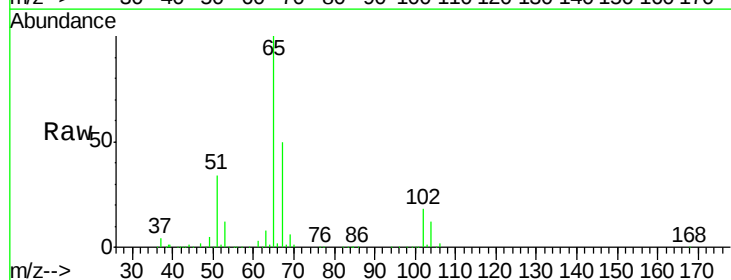
Acq: 11 Sep 2019 02:39

Tgt Ion: 65 Resp: 116402

Ion Ratio Lower Upper

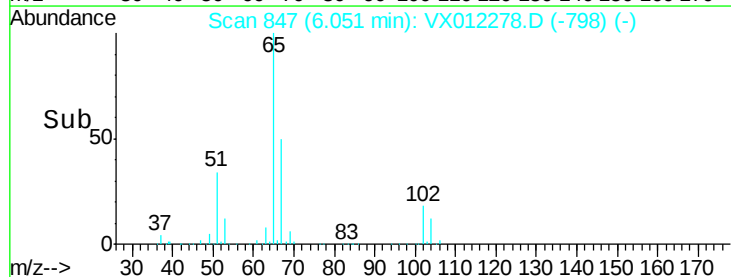
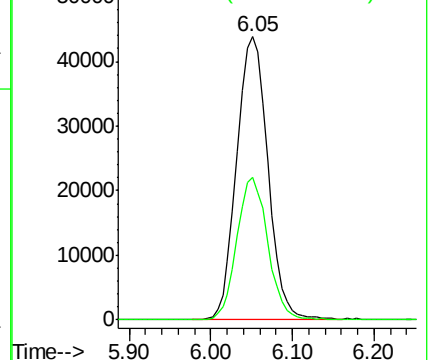
65 100

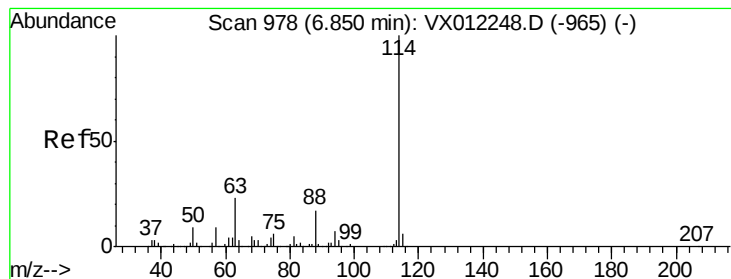
67 49.7 0.0 99.8



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: VX012278.D

Acq: 11 Sep 2019 02:39

Instrument :

MSVOA_X

ClientSampleId :

T11-B3-(0)

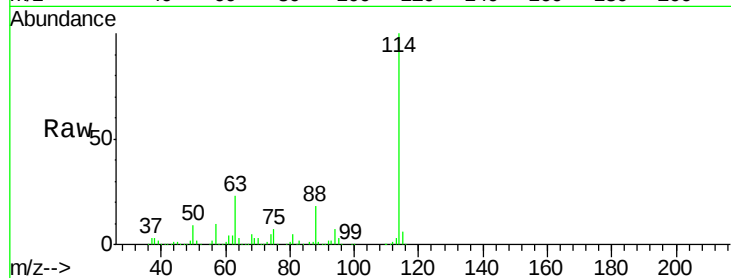
Tot Ion:114 Resp: 292712

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.2

88 18.1 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

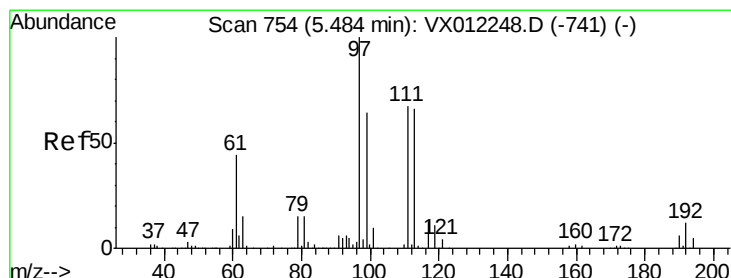
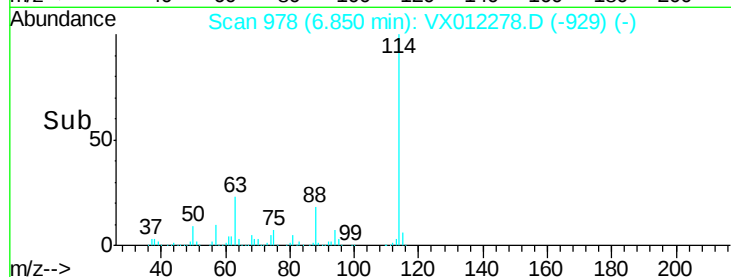
50000

0

6.85

6.80 6.90

Time-->



#35

Dibromofluoromethane

Concen: 47.798 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012278.D

Acq: 11 Sep 2019 02:39

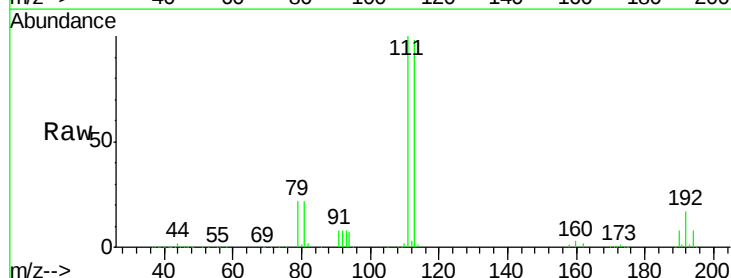
Tgt Ion:113 Resp: 89689

Ion Ratio Lower Upper

113 100

111 101.1 83.0 124.6

192 17.4 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

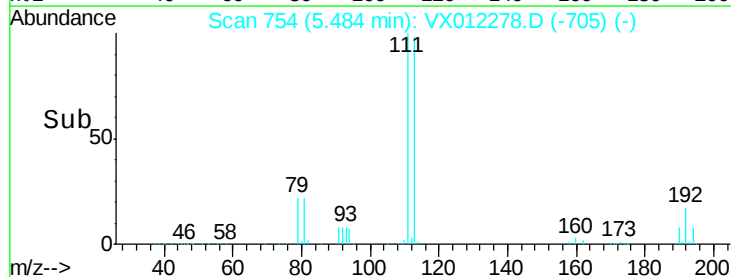
10000

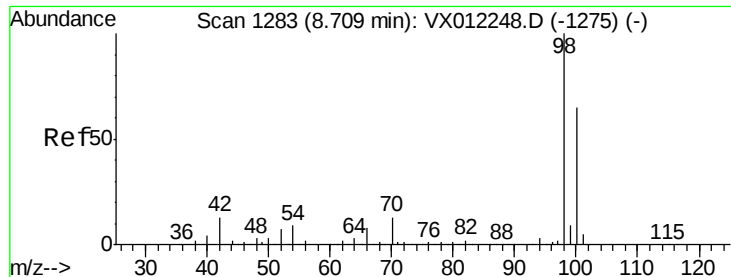
0

5.48

5.40 5.50 5.60

Time-->

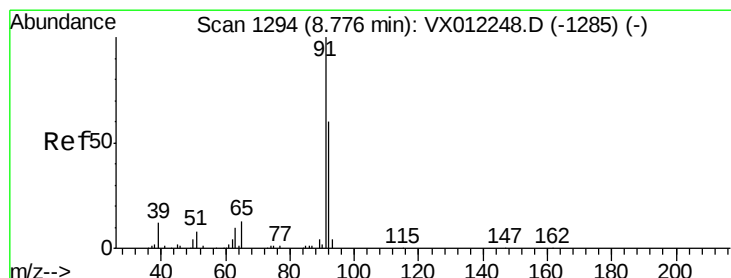
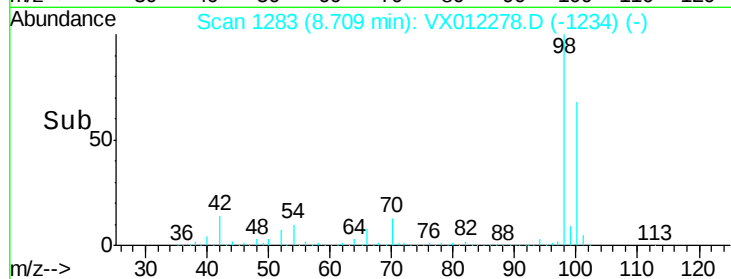
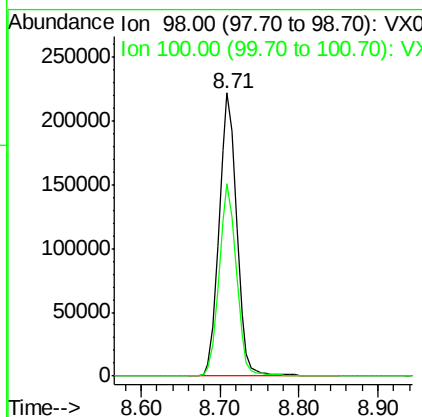
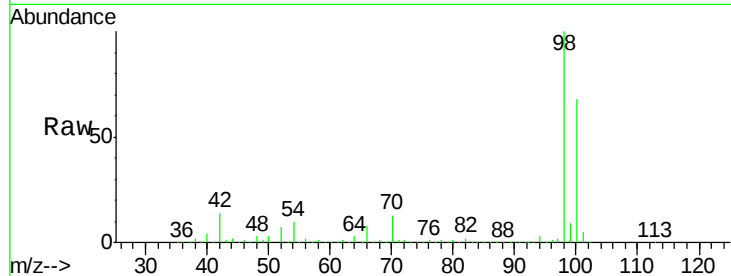




#50
Toluene-d8
Concen: 52.803 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012278.D
Acq: 11 Sep 2019 02:39

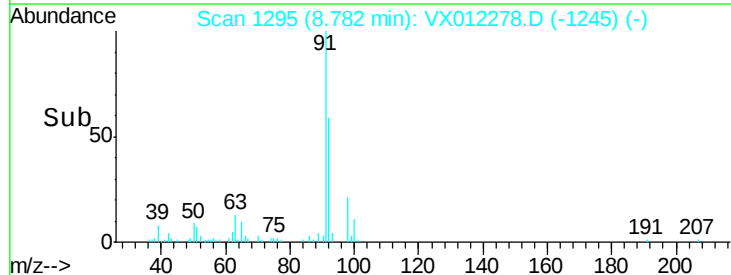
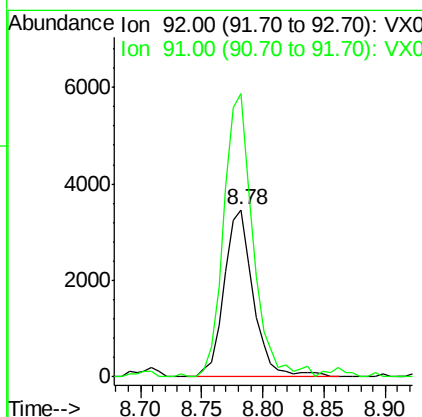
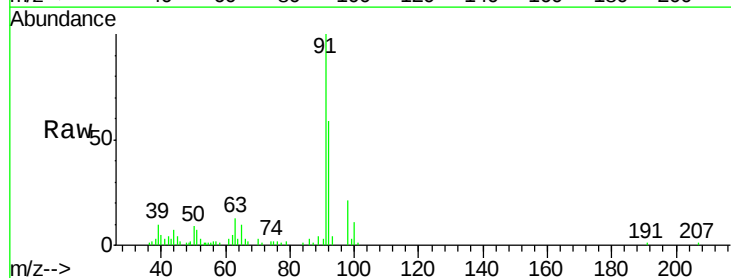
Instrument :
MSVOA_X
ClientSampleId :
T11-B3-(0)

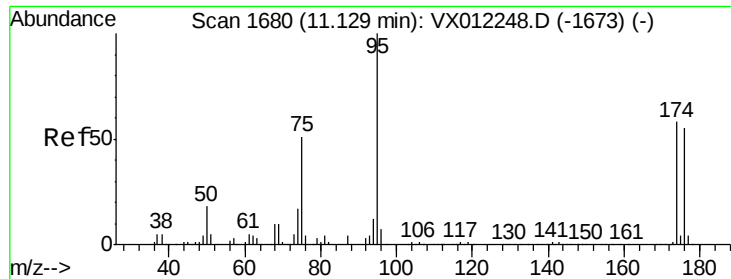
Tot Ion: 98 Resp: 347508
Ion Ratio Lower Upper
98 100
100 66.5 54.1 81.1



#52
Toluene
Concen: 1.341 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX012278.D
Acq: 11 Sep 2019 02:39

Tgt Ion: 92 Resp: 5723
Ion Ratio Lower Upper
92 100
91 169.8 133.6 200.4

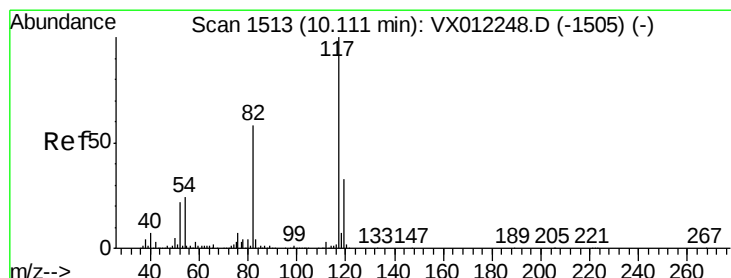
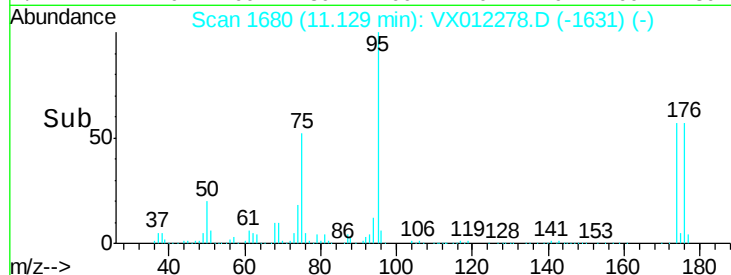
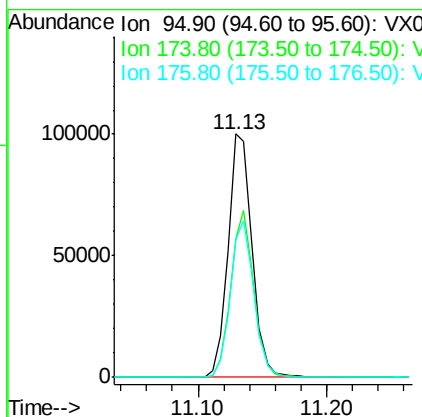
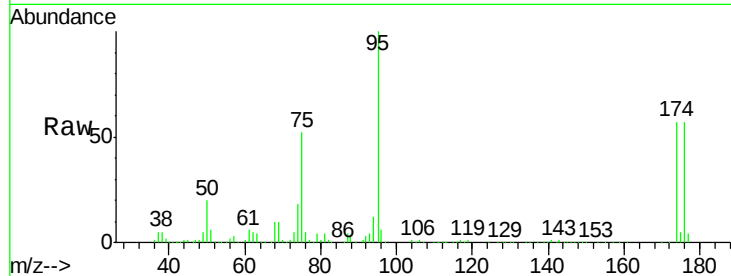




#62
4-Bromofluorobenzene
Concen: 43.028 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX012278.D
Acq: 11 Sep 2019 02:39

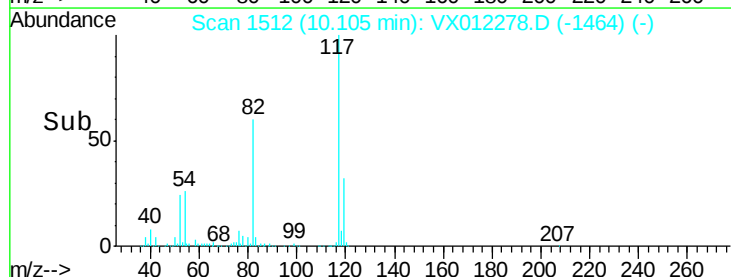
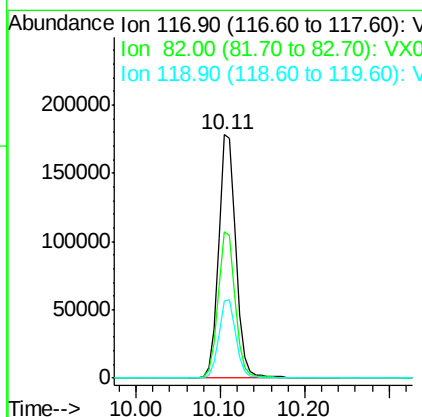
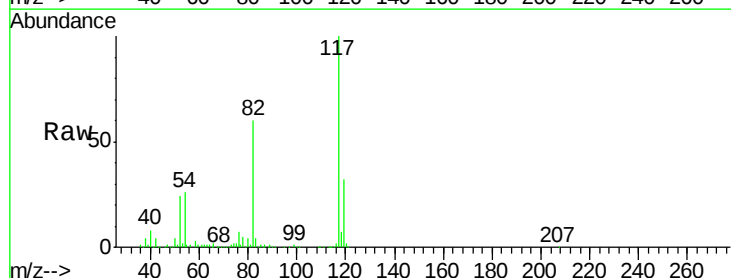
Instrument :
MSVOA_X
ClientSampled :
T11-B3-(0)

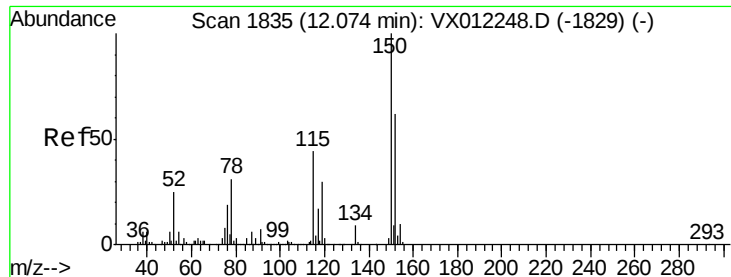
Tot Ion: 95 Resp: 131281
Ion Ratio Lower Upper
95 100
174 65.5 0.0 127.0
176 62.8 0.0 125.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012278.D
Acq: 11 Sep 2019 02:39

Tgt Ion: 117 Resp: 253367
Ion Ratio Lower Upper
117 100
82 60.0 46.4 69.6
119 31.6 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012278.D

Acq: 11 Sep 2019 02:39

Instrument :

MSVOA_X

ClientSampleId :

T11-B3-(0)

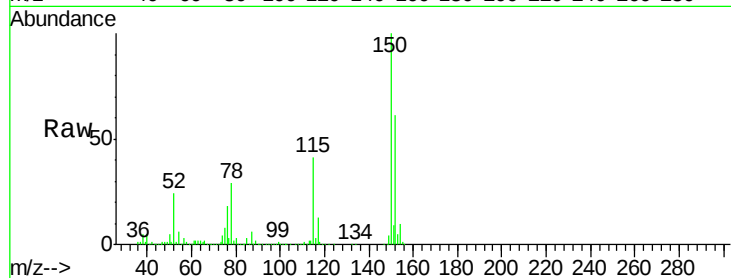
Tot Ion:152 Resp: 105647

Ion Ratio Lower Upper

152 100

115 64.2 45.5 136.4

150 158.3 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

