

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\
 Data File : VX012180.D
 Acq On : 07 Sep 2019 17:03
 Operator : SY/SP
 Sample : K4602-09
 Misc : 4.92g/5.0mL/MSVOA X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-C3-(0)

Quant Time: Sep 08 08:21:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

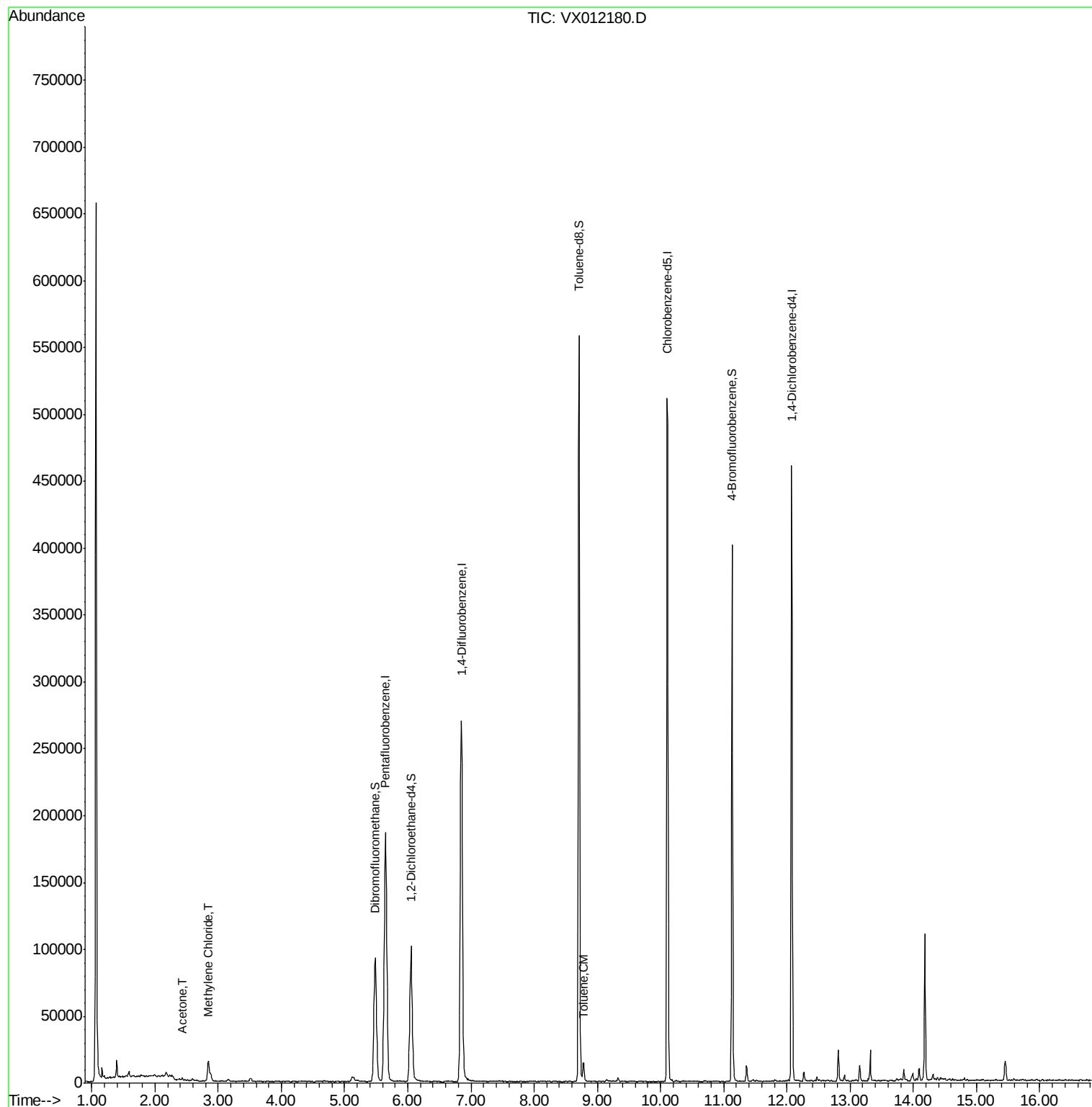
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	156793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	262858	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	217816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	84399	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	101176	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
35) Dibromofluoromethane	5.48	113	77452	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	8.71	98	309092	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	11.14	95	113028	40.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.94%	
Target Compounds						
16) Acetone	2.43	43	1575	3.046	ug/l #	85
20) Methylene Chloride	2.84	84	6819	3.284	ug/l	90
52) Toluene	8.78	92	4600	1.064	ug/l	97

(#) = 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: VX012180.D

Acq: 07 Sep 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

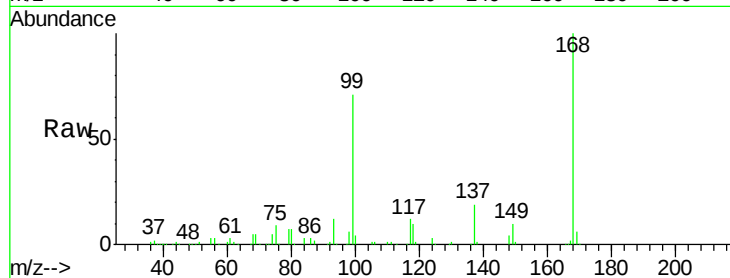
PAR-C3-(0)

Tot Ion:168 Resp: 156793

Ion Ratio Lower Upper

168 100

99 71.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

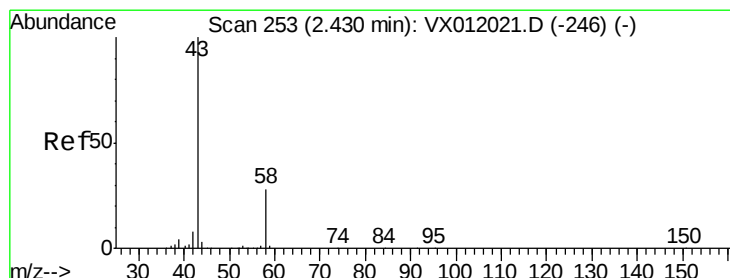
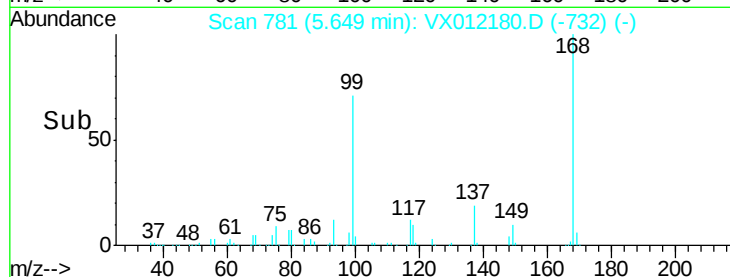
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.046 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012180.D

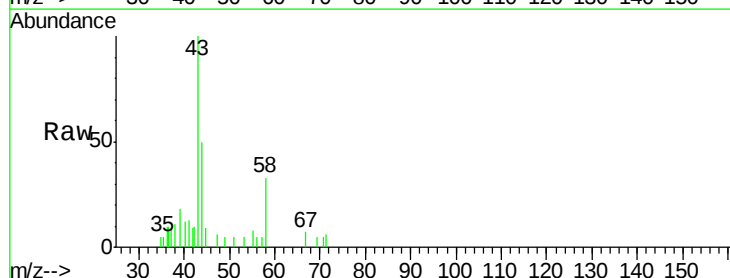
Acq: 07 Sep 2019 17:03

Tgt Ion: 43 Resp: 1575

Ion Ratio Lower Upper

43 100

58 36.3 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

1200

1000

800

600

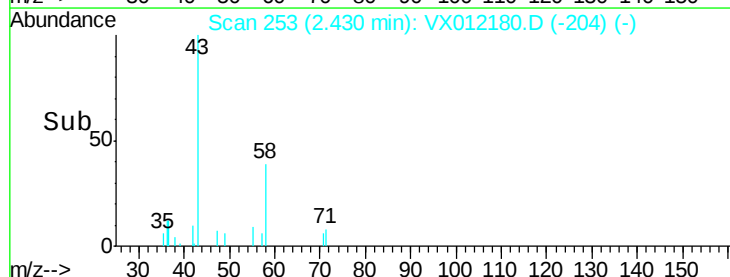
400

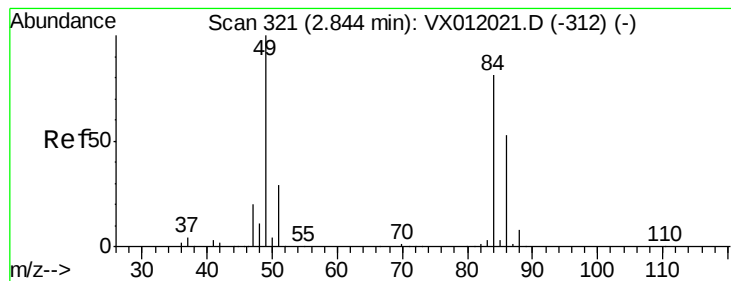
200

0

Time-->

2.40 2.45





#20

Methylene Chloride

Concen: 3.284 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012180.D

Acq: 07 Sep 2019 17:03

Instrument :

MSVOA_X

ClientSampled :

PAR-C3-(0)

Tot Ion: 84 Resp: 6819

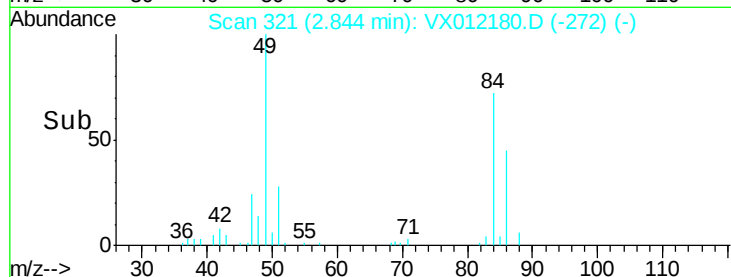
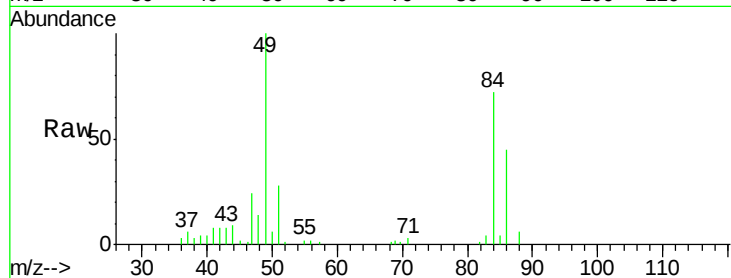
Ion Ratio Lower Upper

84 100

49 138.2 95.8 143.8

51 38.7 28.6 43.0

86 62.4 50.9 76.3

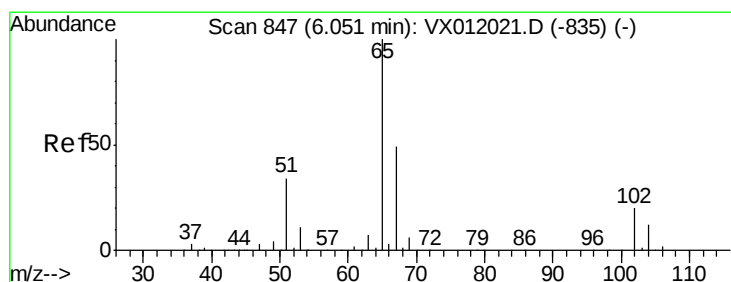
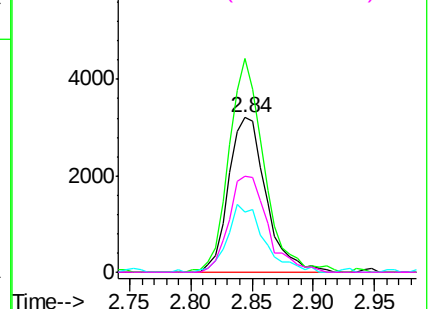


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.766 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012180.D

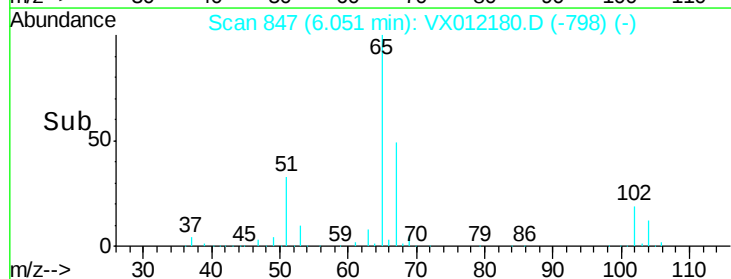
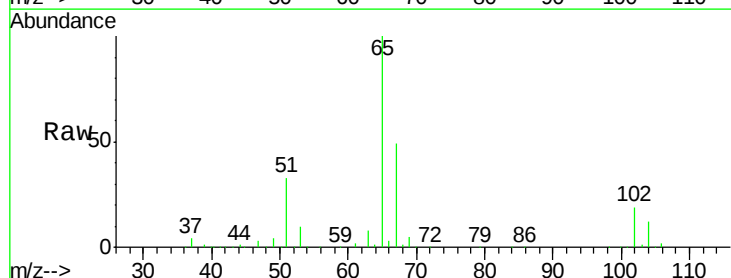
Acq: 07 Sep 2019 17:03

Tgt Ion: 65 Resp: 101176

Ion Ratio Lower Upper

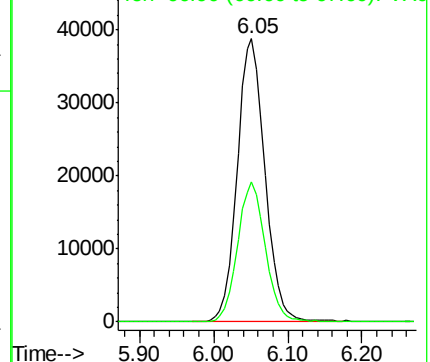
65 100

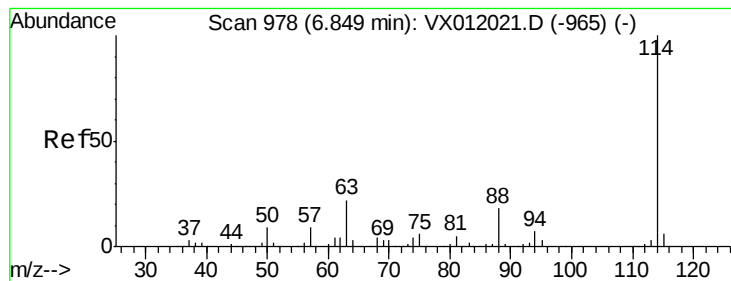
67 49.3 0.0 102.0



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: VX012180.D

Acq: 07 Sep 2019 17:03

Instrument :

MSVOA_X

ClientSampled :

PAR-C3-(0)

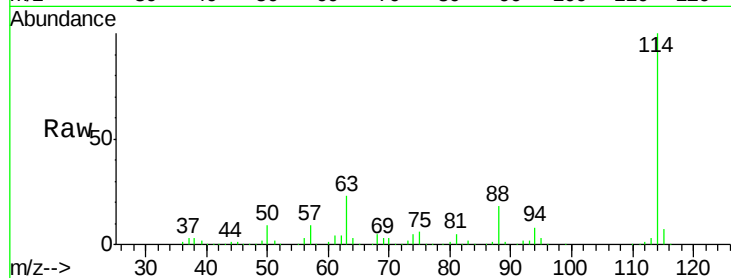
Tot Ion:114 Resp: 262858

Ion Ratio Lower Upper

114 100

63 22.8 0.0 37.4

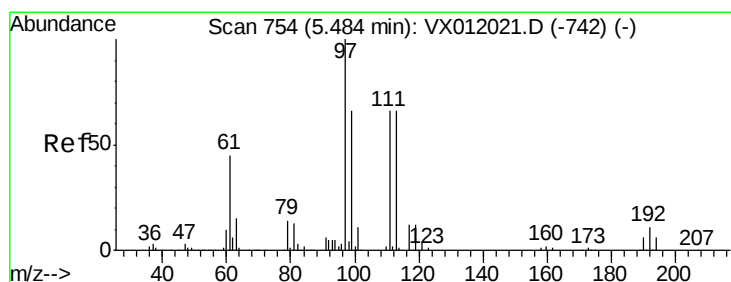
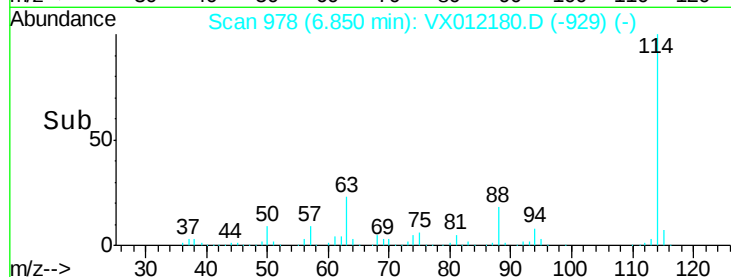
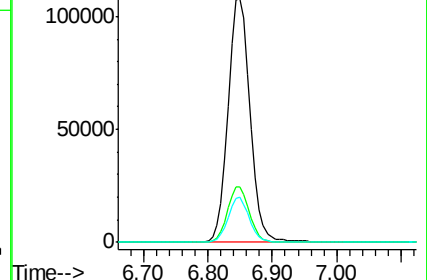
88 18.4 0.0 29.6



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: 47.913 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012180.D

Acq: 07 Sep 2019 17:03

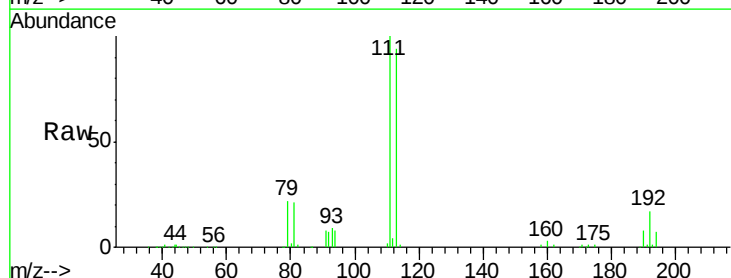
Tgt Ion:113 Resp: 77452

Ion Ratio Lower Upper

113 100

111 104.0 81.7 122.5

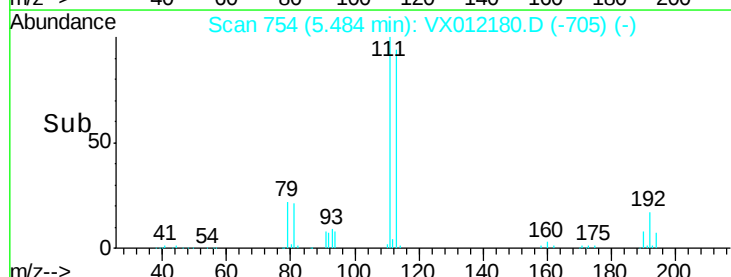
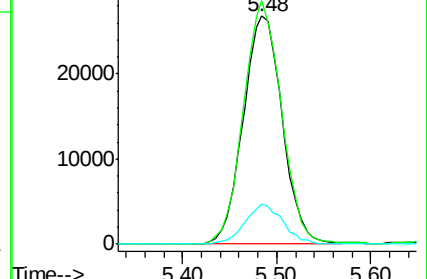
192 17.0 22.5 33.7#

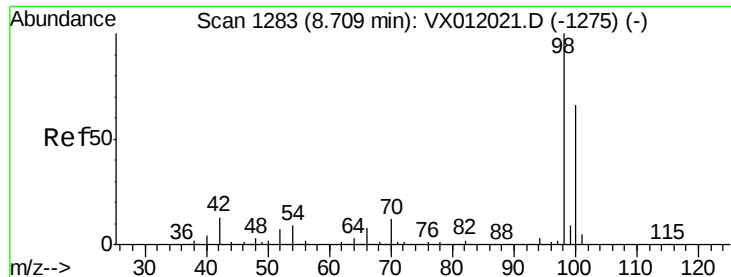


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

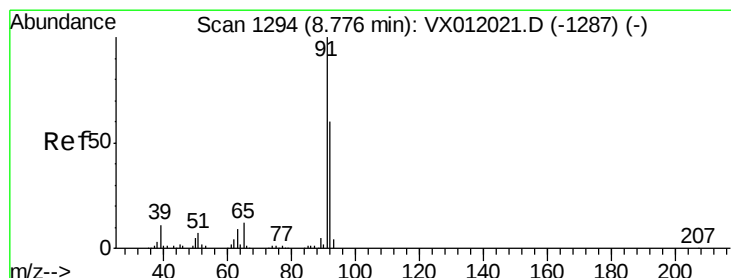
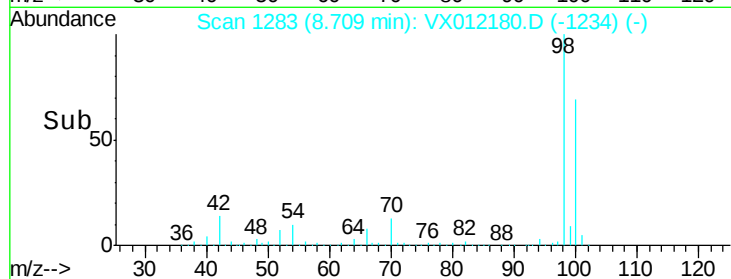
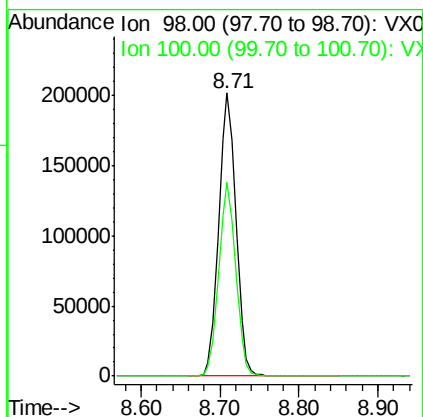
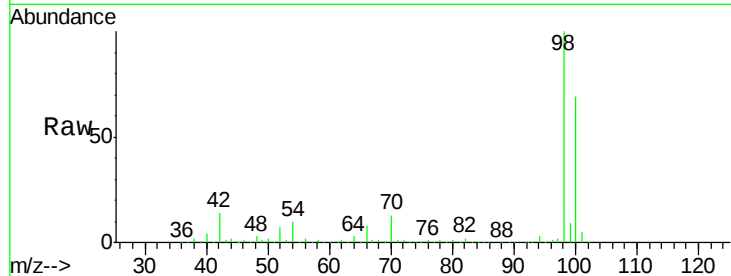




#50
Toluene-d8
Concen: 52.107 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012180.D
Acq: 07 Sep 2019 17:03

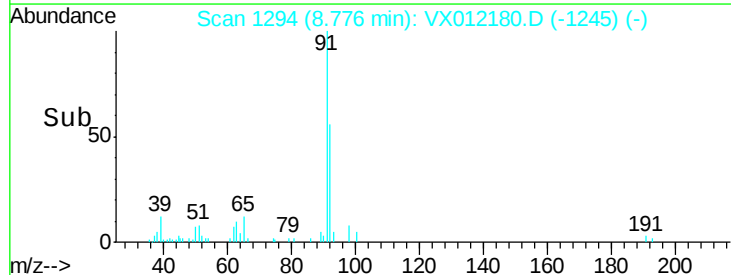
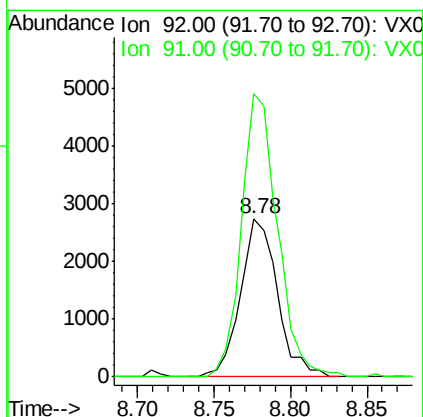
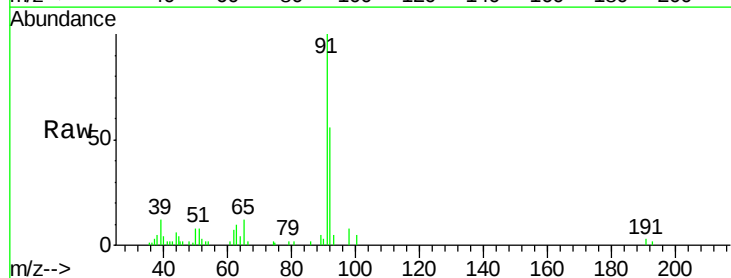
Instrument :
MSVOA_X
ClientSampleId :
PAR-C3-(0)

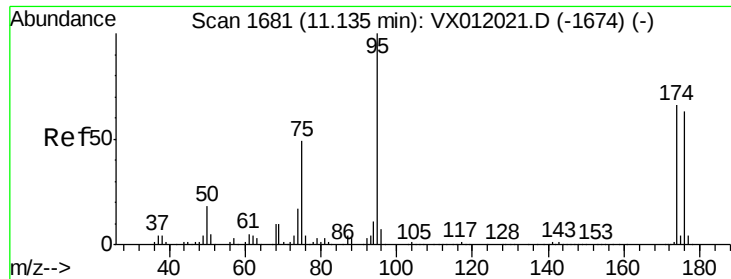
Tot Ion: 98 Resp: 309092
Ion Ratio Lower Upper
98 100
100 67.4 53.3 79.9



#52
Toluene
Concen: 1.064 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012180.D
Acq: 07 Sep 2019 17:03

Tgt Ion: 92 Resp: 4600
Ion Ratio Lower Upper
92 100
91 174.7 136.0 204.0

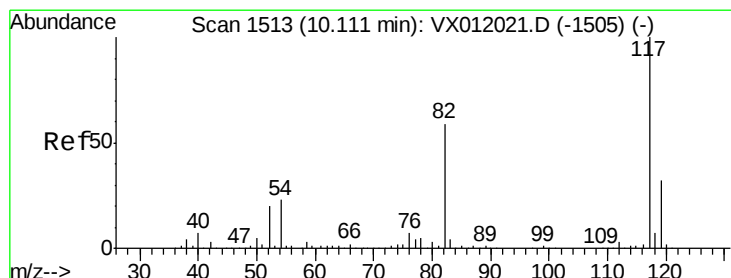
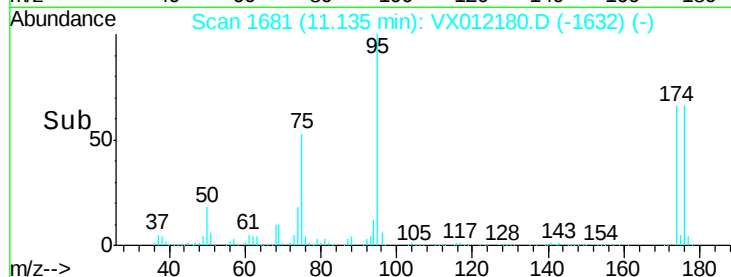
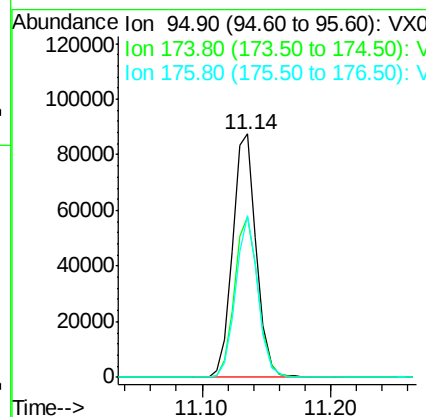
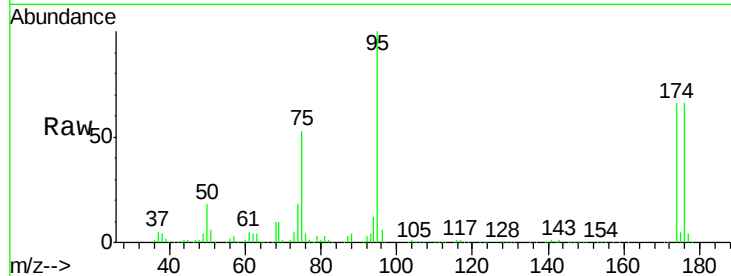




#62
4-Bromofluorobenzene
Concen: 40.972 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012180.D
Acq: 07 Sep 2019 17:03

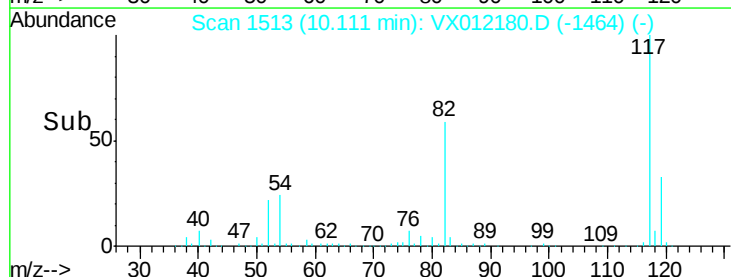
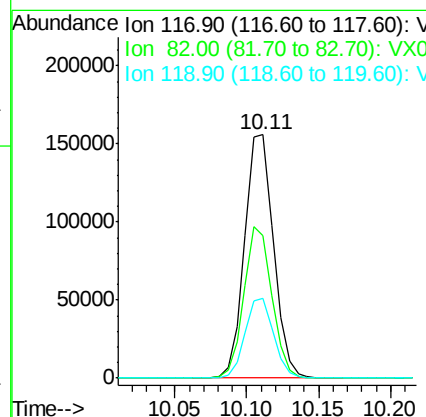
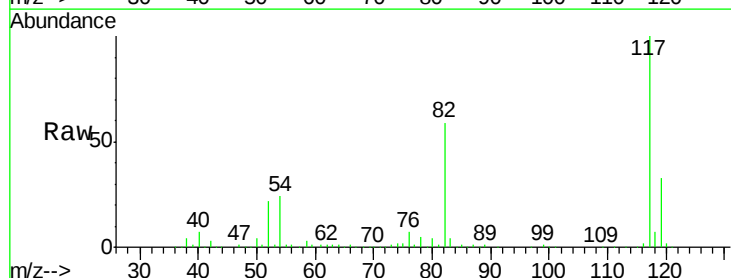
Instrument :
MSVOA_X
ClientSampleId :
PAR-C3-(0)

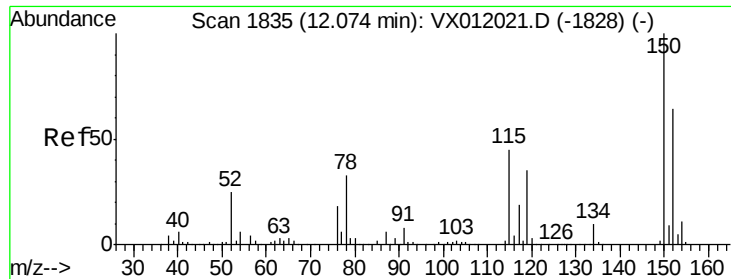
Tot Ion: 95 Resp: 113028
Ion Ratio Lower Upper
95 100
174 65.6 0.0 205.4
176 62.5 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012180.D
Acq: 07 Sep 2019 17:03

Tgt Ion: 117 Resp: 217816
Ion Ratio Lower Upper
117 100
82 58.6 39.4 59.0
119 32.6 26.1 39.1

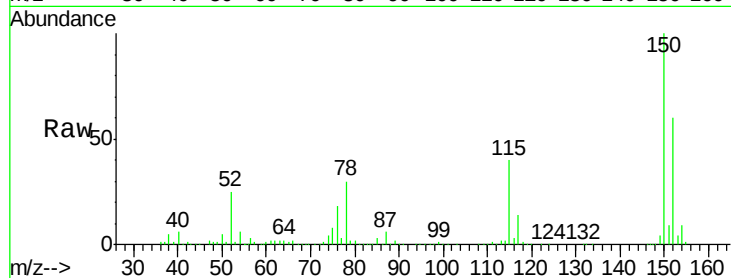




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX012180.D
 Acq: 07 Sep 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-C3-(0)

Tot Ion:152 Resp: 84399
 Ion Ratio Lower Upper
 152 100
 115 66.8 36.4 109.3
 150 160.6 0.0 341.2



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

