

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012255.D
 Acq On : 10 Sep 2019 15:04
 Operator : SY/SP
 Sample : K4624-02
 Misc : 9.07g/5.0mL/MSVOA X/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-E1-(4)

Quant Time: Sep 11 01:54:49 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	147931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	260034	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	74377	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	106354	50.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.70%	
35) Dibromofluoromethane	5.48	113	81868	49.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.22%	
50) Toluene-d8	8.71	98	303475	51.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.14	95	105572	38.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	77.90%	

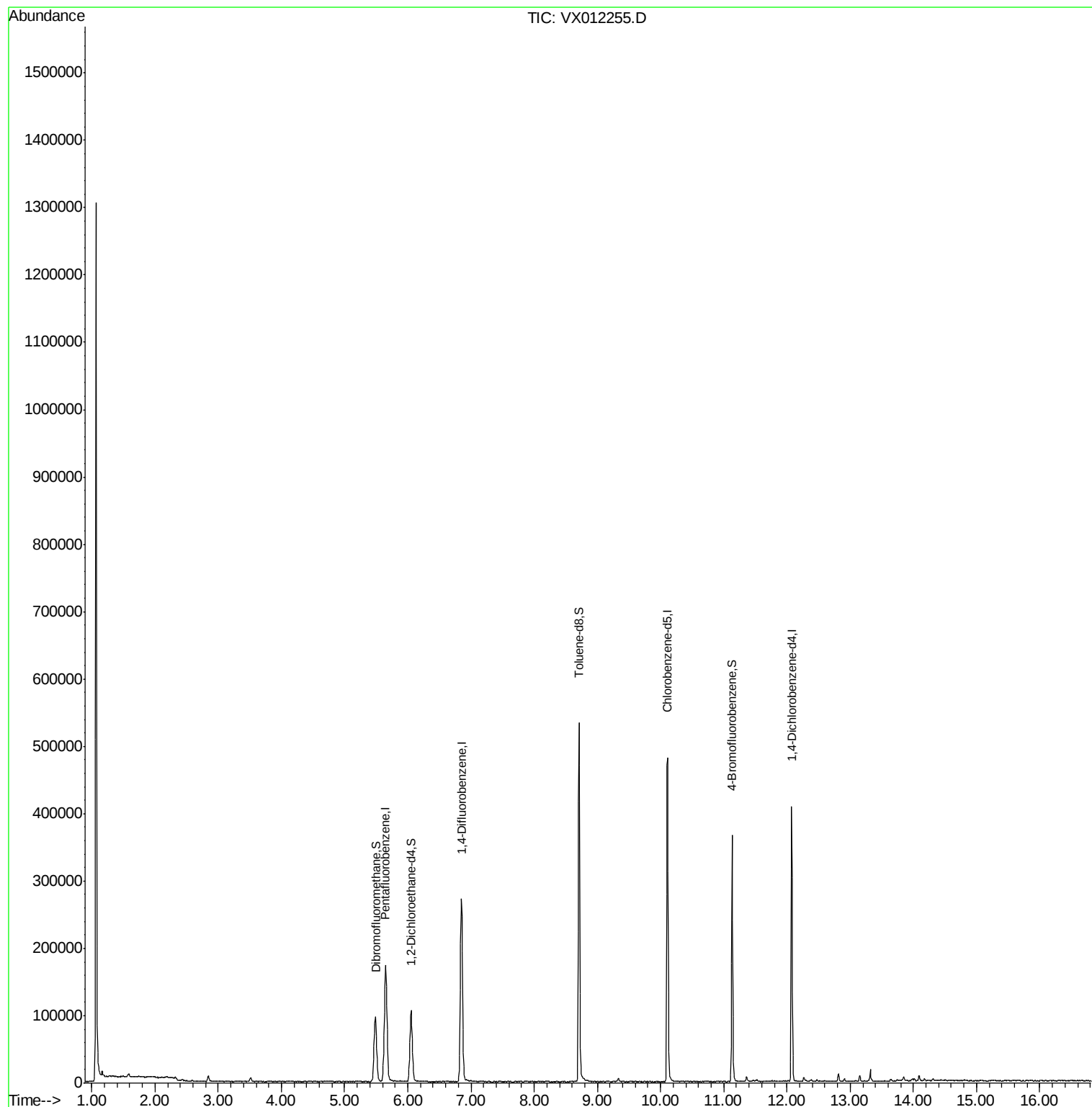
Target Compounds	Qvalue

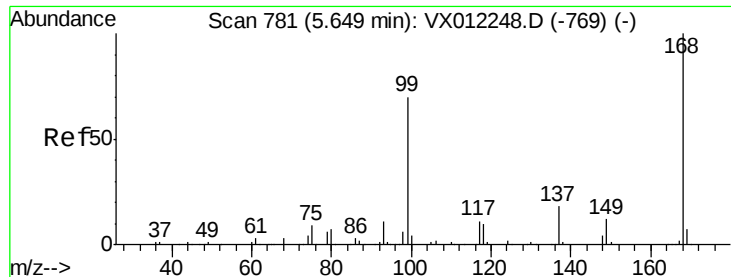
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012255.D

Acq: 10 Sep 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

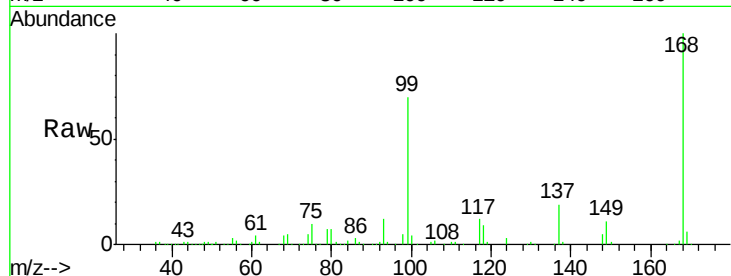
PAR-11-E1-(4)

Tot Ion:168 Resp: 147931

Ion Ratio Lower Upper

168 100

99 69.4 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

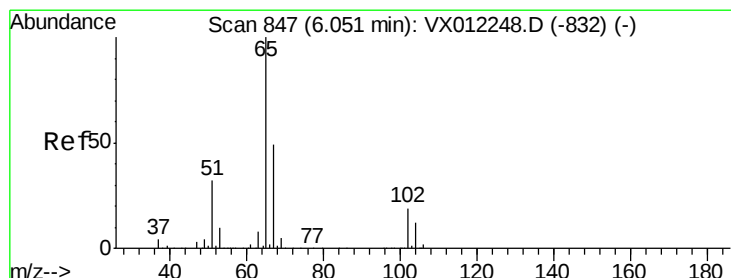
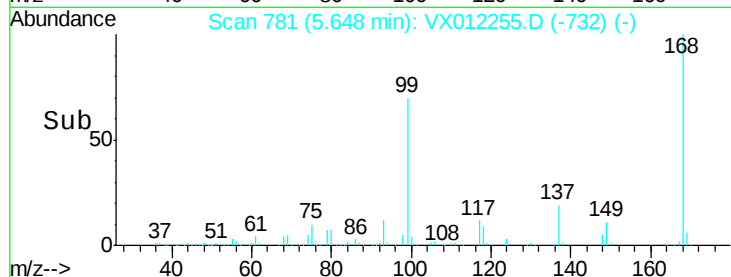
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 50.852 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012255.D

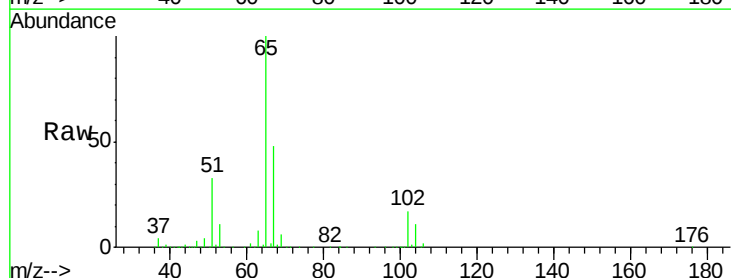
Acq: 10 Sep 2019 15:04

Tgt Ion: 65 Resp: 106354

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

6.05

40000

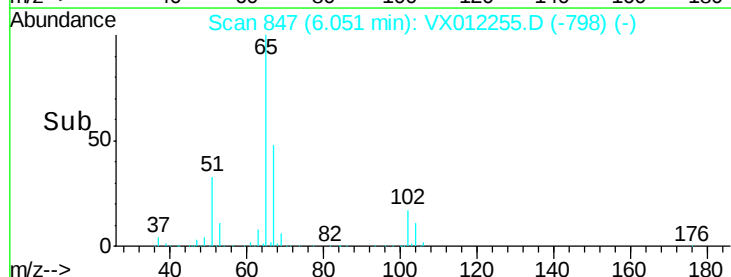
30000

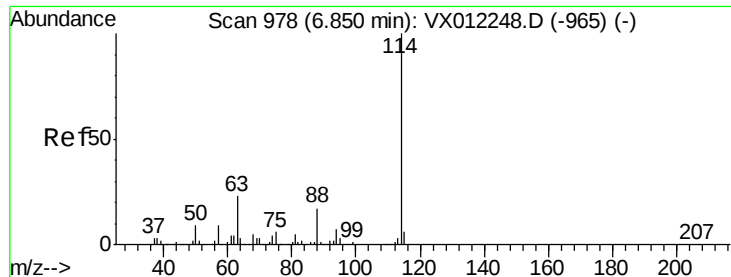
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012255.D

Acq: 10 Sep 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-E1-(4)

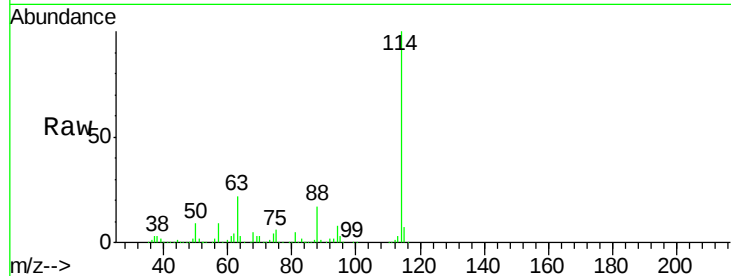
Tot Ion:114 Resp: 260034

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

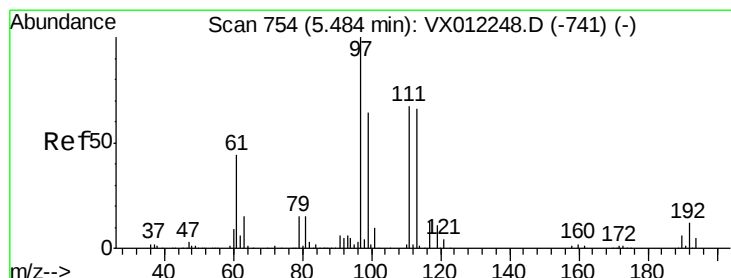
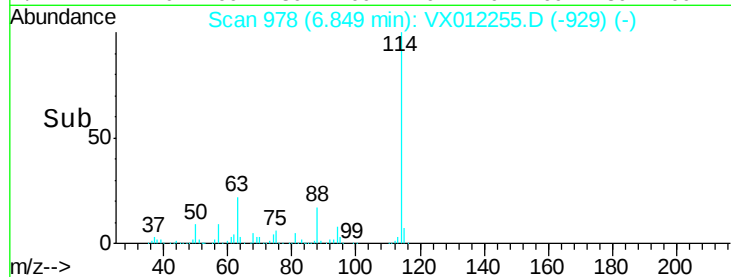
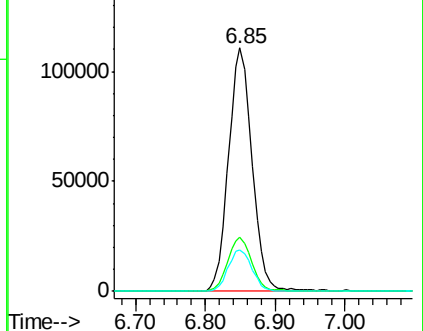
88 16.8 0.0 34.8



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



#35

Dibromofluoromethane

Concen: 49.113 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012255.D

Acq: 10 Sep 2019 15:04

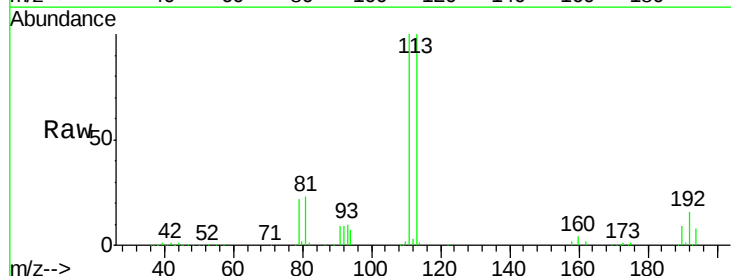
Tgt Ion:113 Resp: 81868

Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.6

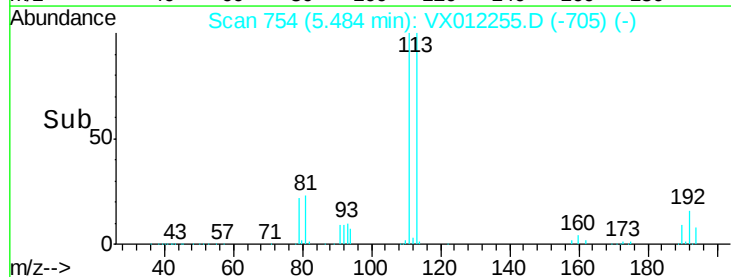
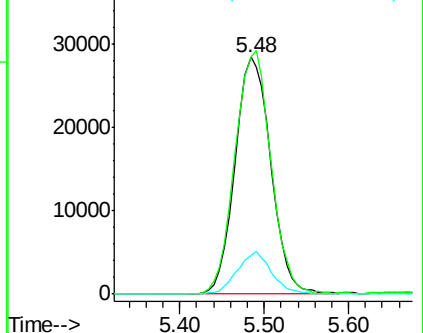
192 17.1 14.3 21.5

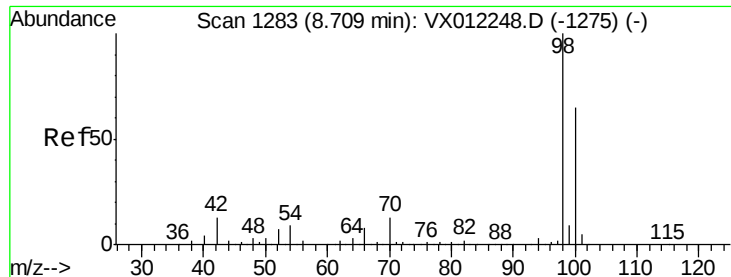


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

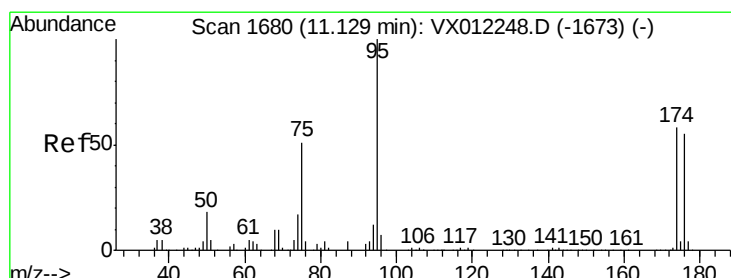
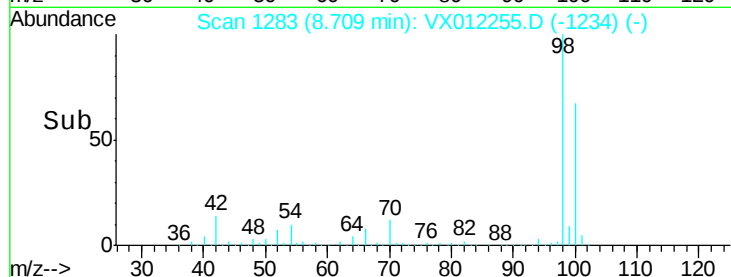
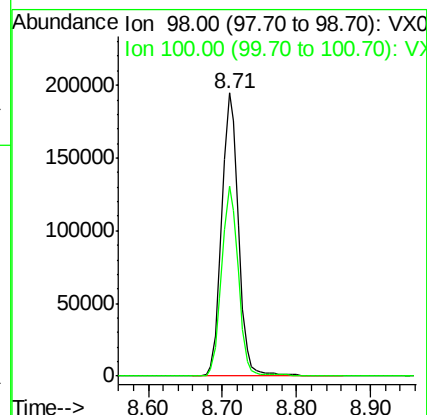
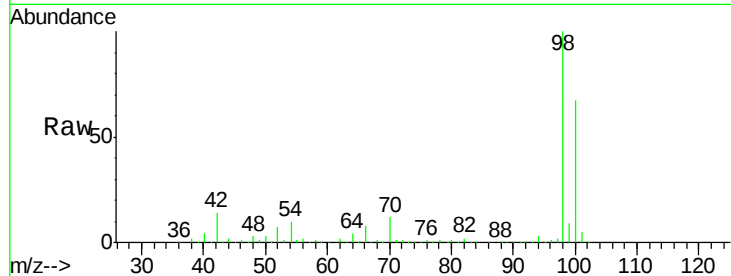




#50
Toluene-d8
Concen: 51.907 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012255.D
Acq: 10 Sep 2019 15:04

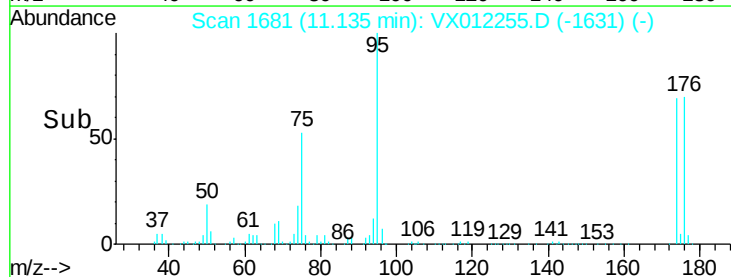
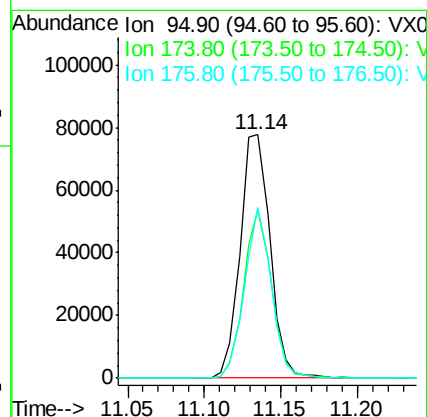
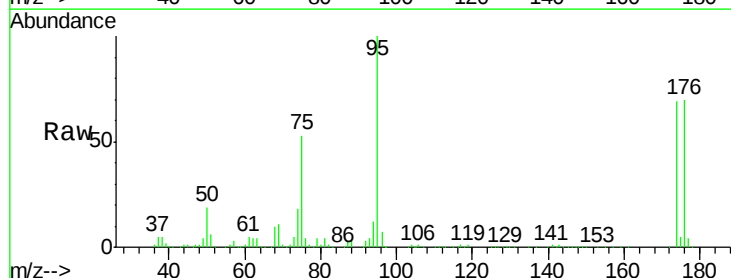
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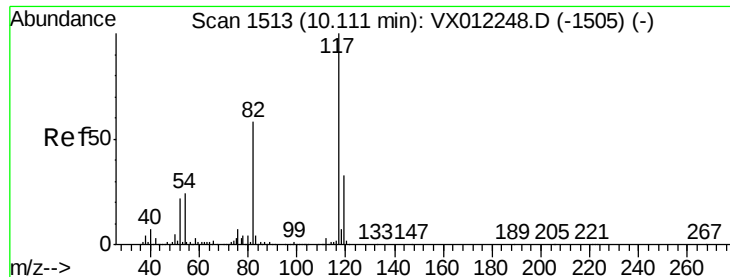
Tot Ion: 98 Resp: 303475
Ion Ratio Lower Upper
98 100
100 67.1 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 38.950 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012255.D
Acq: 10 Sep 2019 15:04

Tgt Ion: 95 Resp: 105572
Ion Ratio Lower Upper
95 100
174 64.4 0.0 127.0
176 62.9 0.0 125.8

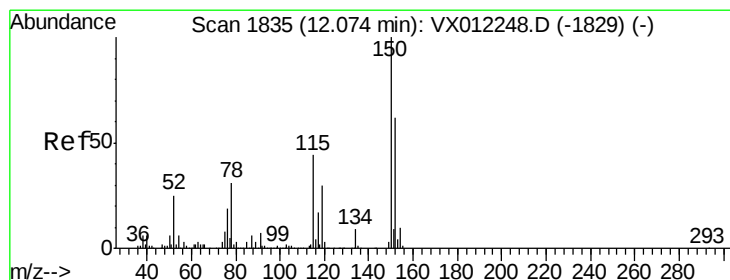
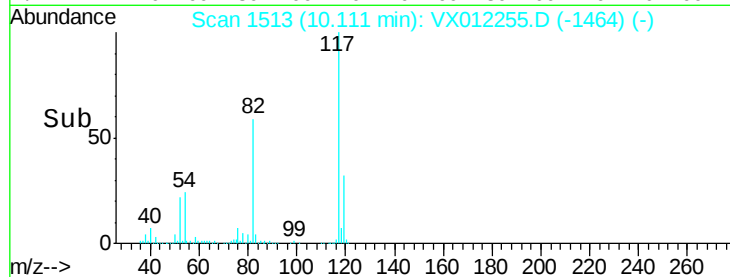
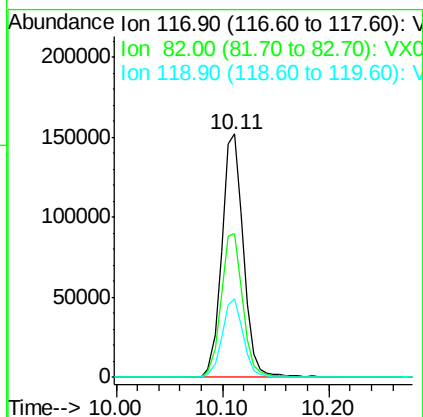
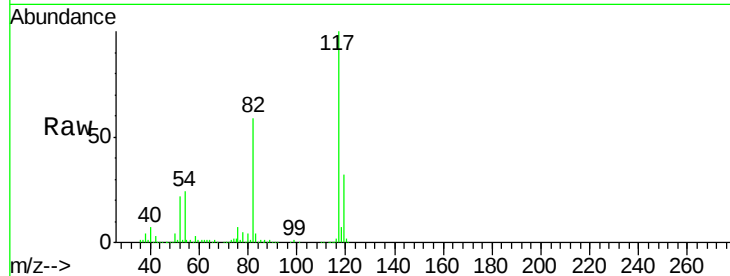




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012255.D
Acq: 10 Sep 2019 15:04

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-E1-(4)

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.4	69.6
119	32.4	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: VX012255.D
Acq: 10 Sep 2019 15:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.2	45.5	136.4
150	158.7	0.0	346.4

