

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081219\
 Data File : VX011515.D
 Acq On : 13 Aug 2019 04:20
 Operator : JC/SP
 Sample : K4278-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0706

Quant Time: Aug 13 09:34:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	180223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274238	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106190	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	102170	56.29	ug/l	0.00
Spiked Amount						
			Recovery	=	112.58%	
35) Dibromofluoromethane	5.49	113	85304	47.64	ug/l	0.00
Spiked Amount						
			Recovery	=	95.28%	
50) Toluene-d8	8.71	98	318998	47.20	ug/l	0.00
Spiked Amount						
			Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.13	95	101979	42.26	ug/l	0.00
Spiked Amount						
			Recovery	=	84.52%	

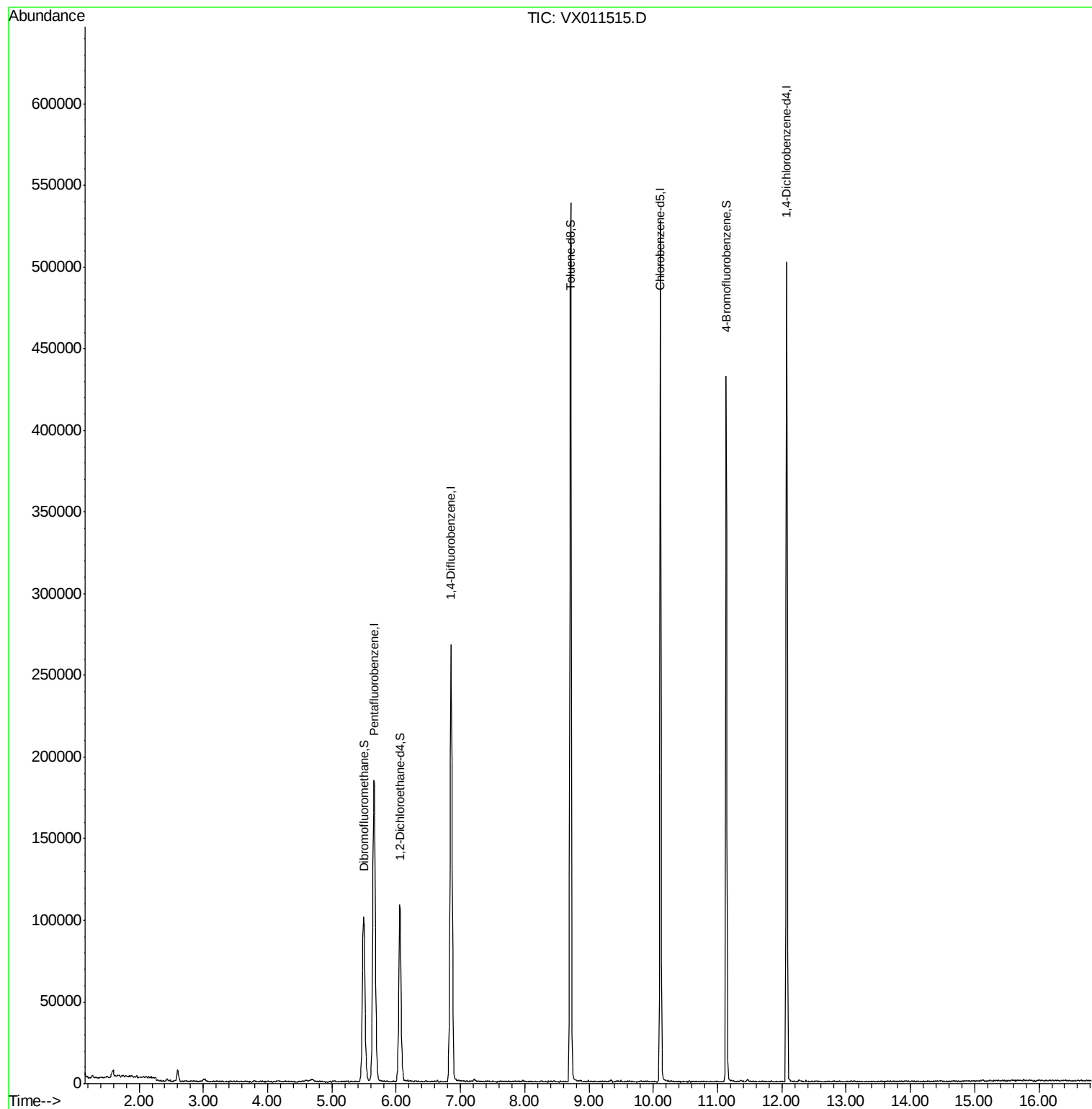
Target Compounds	Qvalue

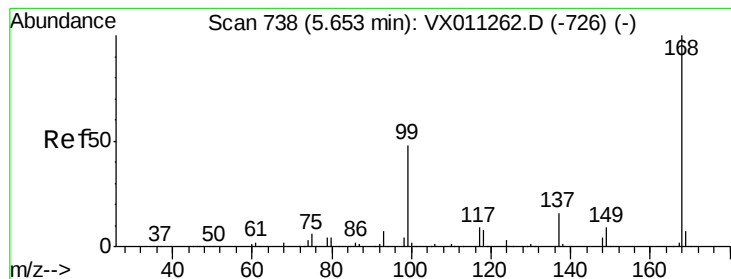
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011515.D

Acq: 13 Aug 2019 04:20

Instrument :

MSVOA_X

ClientSampleId :

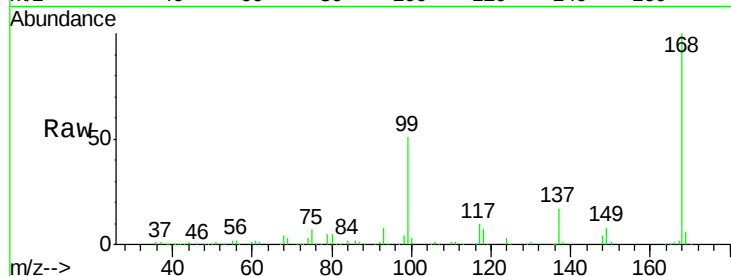
Z3-0706

Tot Ion:168 Resp: 180223

Ion Ratio Lower Upper

168 100

99 51.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

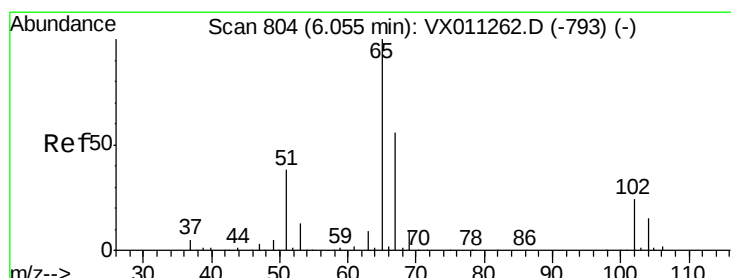
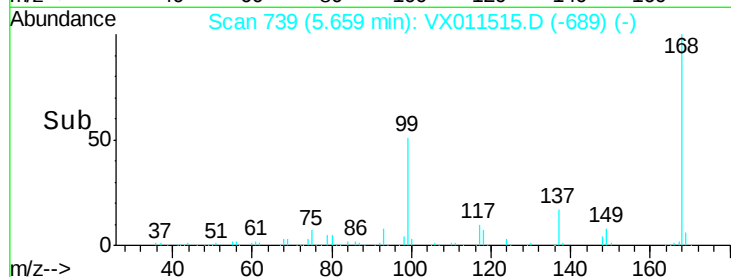
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 56.294 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011515.D

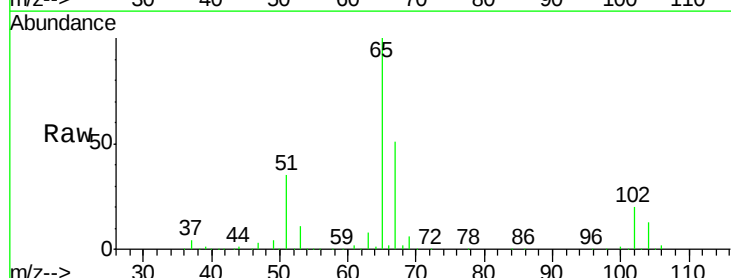
Acq: 13 Aug 2019 04:20

Tgt Ion: 65 Resp: 102170

Ion Ratio Lower Upper

65 100

67 52.5 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

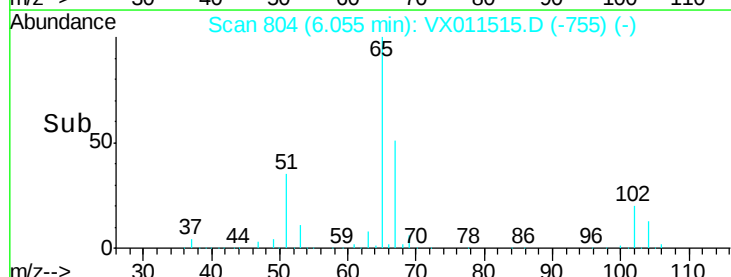
30000

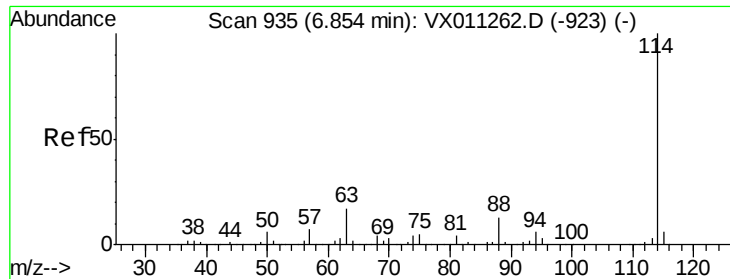
20000

10000

0

Time--> 5.90 6.00 6.10 6.20

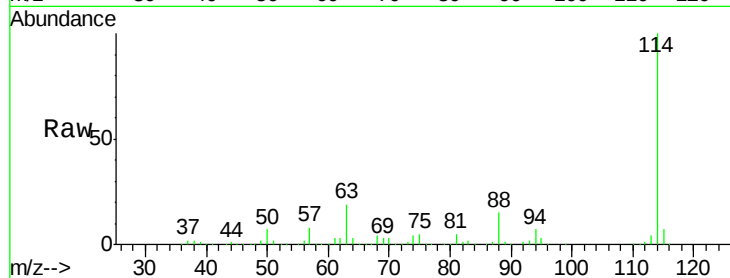




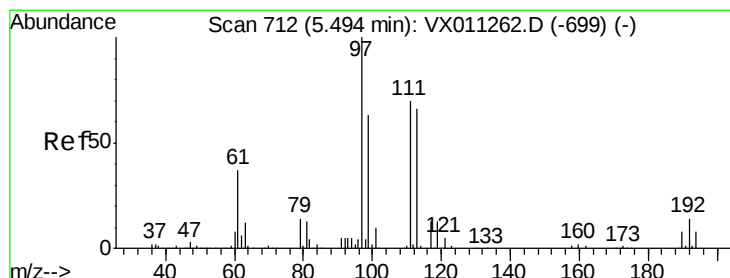
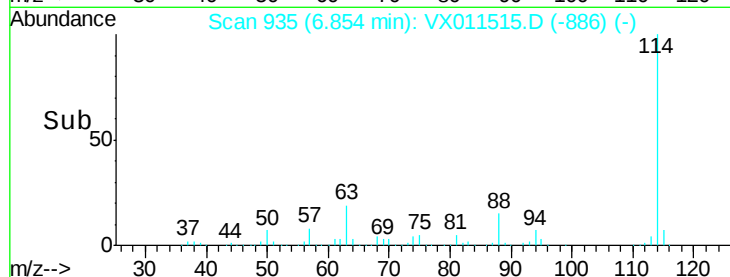
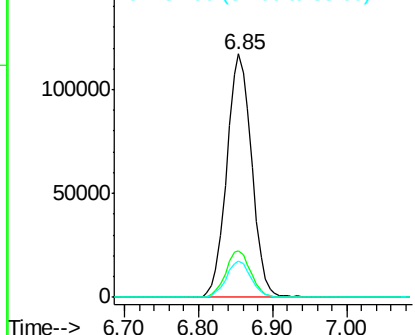
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011515.D
 Acq: 13 Aug 2019 04:20

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0706

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	34.0
88	15.0	0.0	26.4

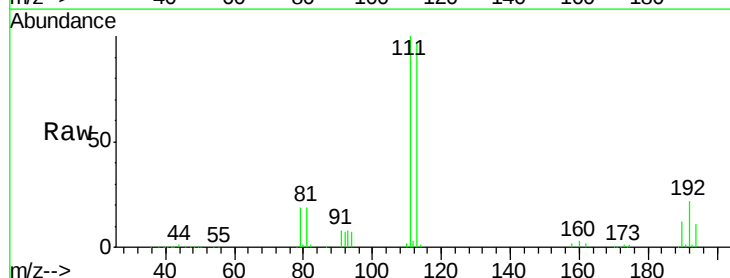


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

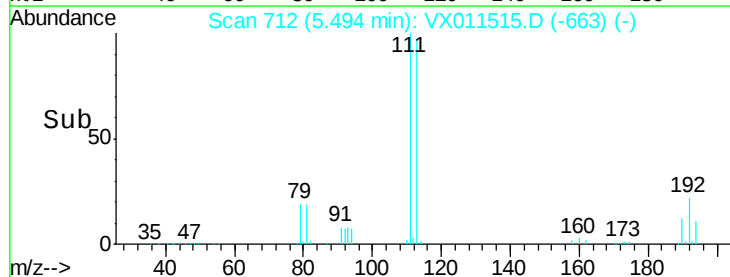
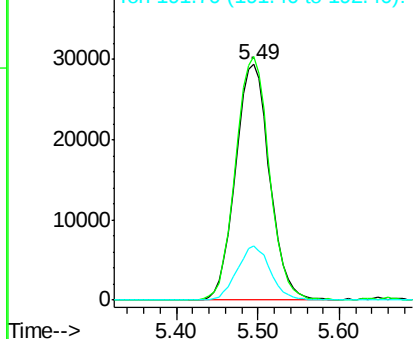


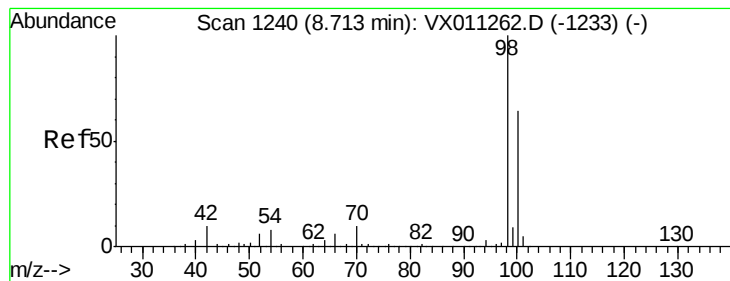
#35
 Dibromofluoromethane
 Concen: 47.644 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011515.D
 Acq: 13 Aug 2019 04:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	22.4	17.8	26.8



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: 47.200 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011515.D

Acq: 13 Aug 2019 04:20

Instrument :

MSVOA_X

ClientSampleId :

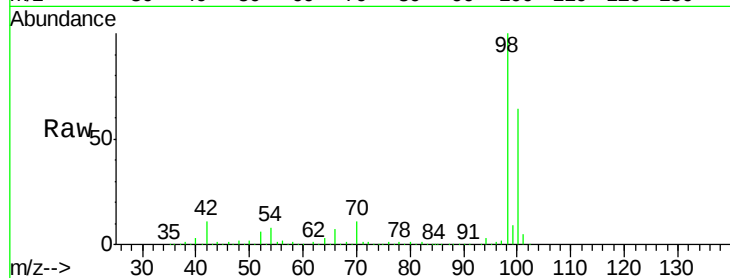
Z3-0706

Tot Ion: 98 Resp: 318998

Ion Ratio Lower Upper

98 100

100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

200000

150000

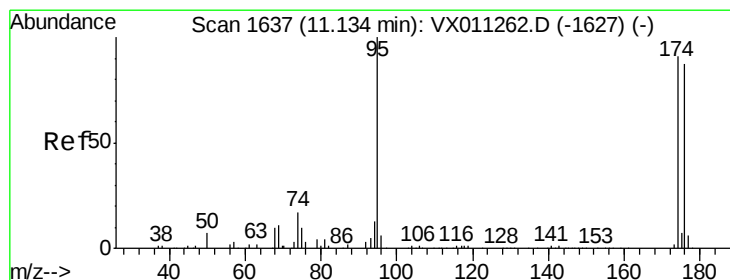
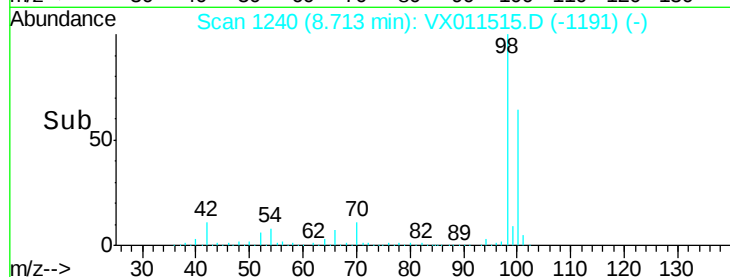
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 42.264 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011515.D

Acq: 13 Aug 2019 04:20

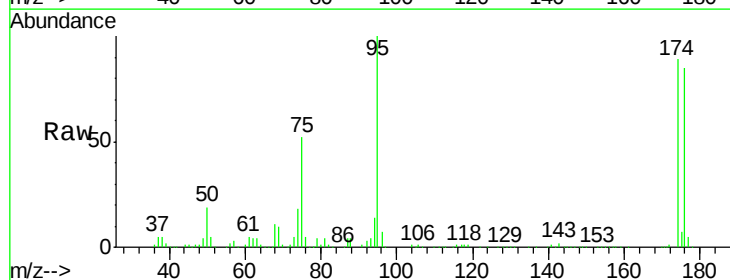
Tgt Ion: 95 Resp: 101979

Ion Ratio Lower Upper

95 100

174 91.4 0.0 191.2

176 88.2 0.0 184.8



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

11.13

100000

80000

60000

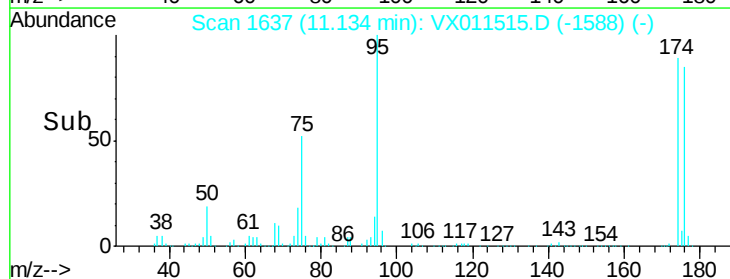
40000

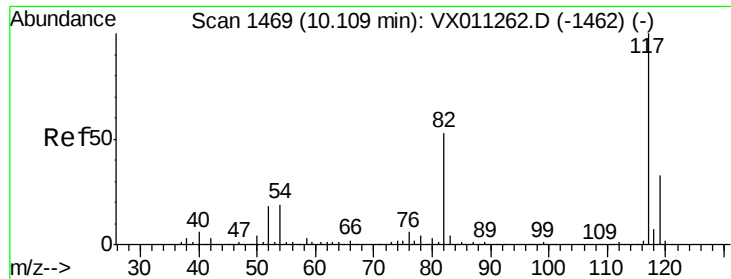
20000

0

11.10 11.20

Time-->

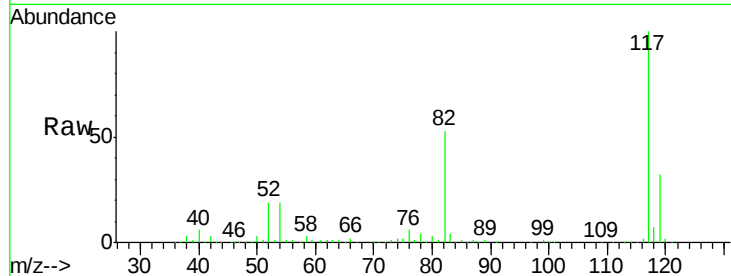




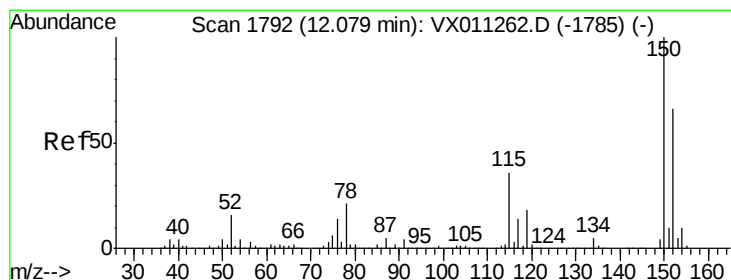
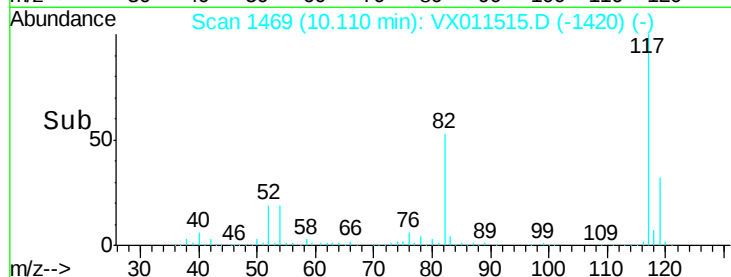
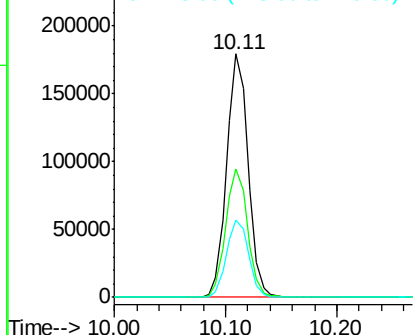
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011515.D
Acq: 13 Aug 2019 04:20

Instrument :
MSVOA_X
ClientSampleId :
Z3-0706

Tot Ion:117 Resp: 239622
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 31.7 26.6 39.8

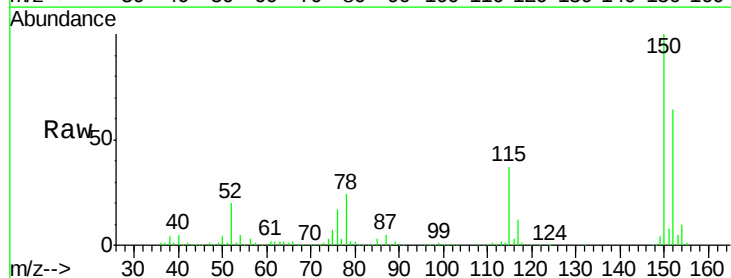


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011515.D
Acq: 13 Aug 2019 04:20

Tgt Ion:152 Resp: 106190
Ion Ratio Lower Upper
152 100
115 56.4 40.0 119.9
150 157.1 0.0 350.4



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

