

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000115.D
 Acq On : 20 Sep 2019 18:01
 Operator : SY/MD
 Sample : K4877-07RE
 Misc : 5.55g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-2-3-2RE

Quant Time: Sep 21 00:42:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	80128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	168328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	111692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	25445	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	50954	55.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.54%	
35) Dibromofluoromethane	7.72	113	47591	46.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.40%	
50) Toluene-d8	10.18	98	189491	47.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.68%	
62) 4-Bromofluorobenzene	12.48	95	39476	26.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	53.12%	

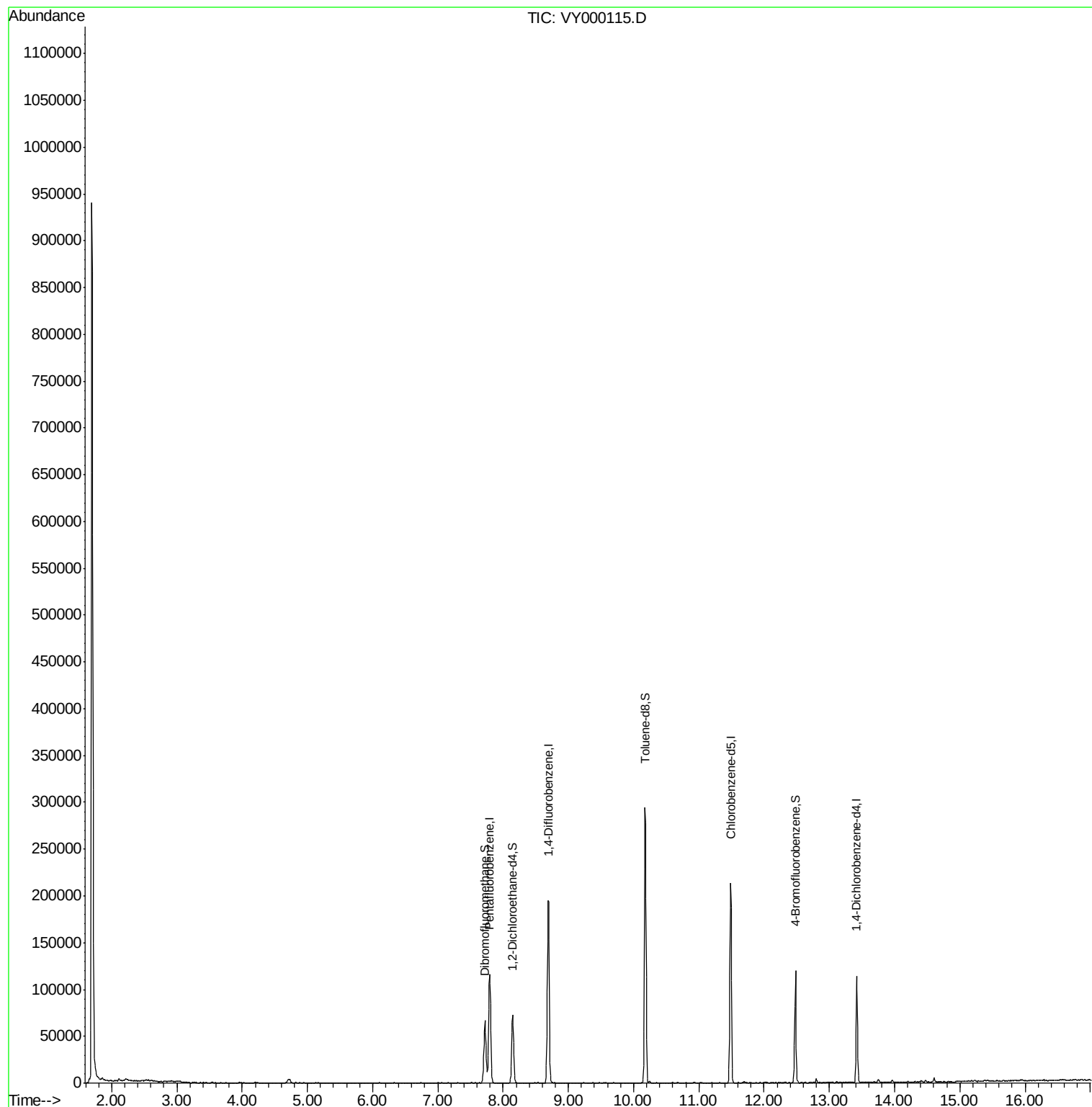
Target Compounds	Qvalue
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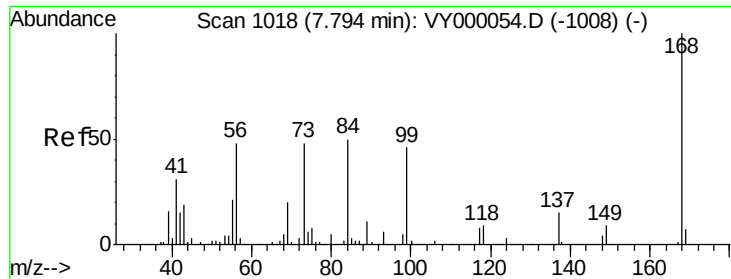
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000115.D

Acq: 20 Sep 2019 18:01

Instrument :

MSVOA_Y

ClientSampleId :

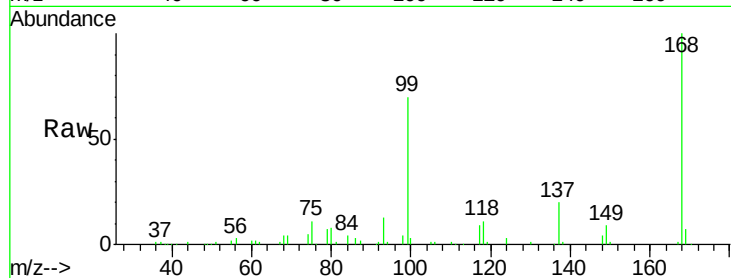
CSA-2-3-2RE

Tot Ion:168 Resp: 80128

Ion Ratio Lower Upper

168 100

99 70.2 44.2 66.2#



Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)

7.79

40000

30000

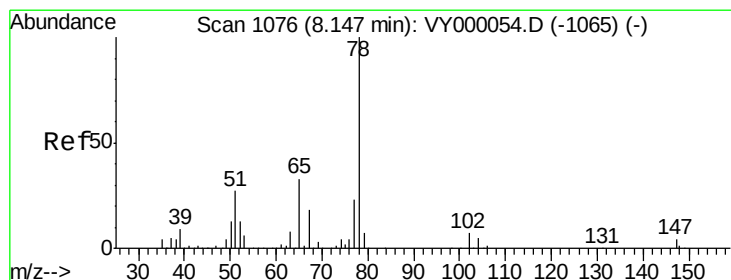
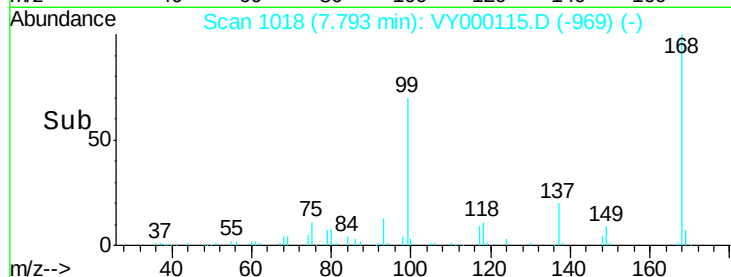
20000

10000

0

7.70 7.80 7.90

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.272 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY000115.D

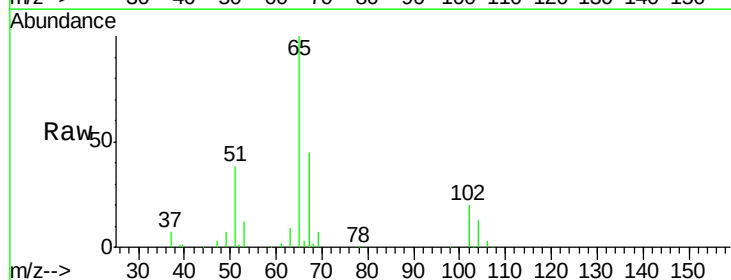
Acq: 20 Sep 2019 18:01

Tgt Ion: 65 Resp: 50954

Ion Ratio Lower Upper

65 100

67 53.6 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY000054.D (-1065) (-)

Ion 66.90 (66.60 to 67.60): VY000054.D (-1065) (-)

8.14

25000

20000

15000

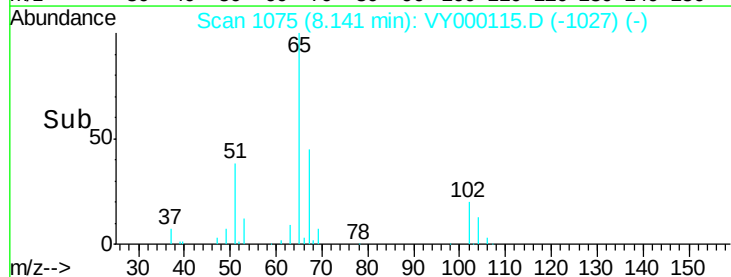
10000

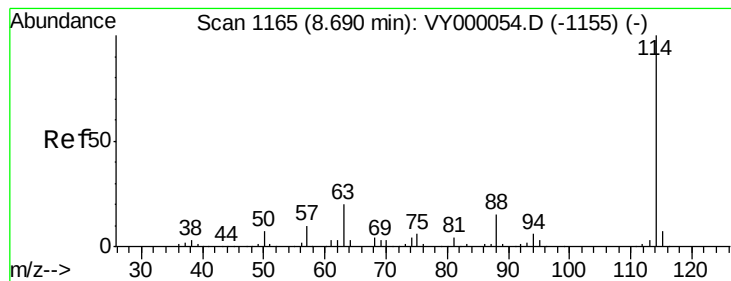
5000

0

8.05 8.10 8.15 8.20 8.25

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000115.D

Acq: 20 Sep 2019 18:01

Instrument :

MSVOA_Y

ClientSampleId :

CSA-2-3-2RE

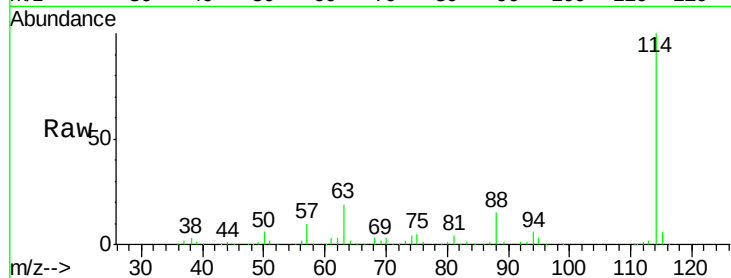
Tot Ion:114 Resp: 168328

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

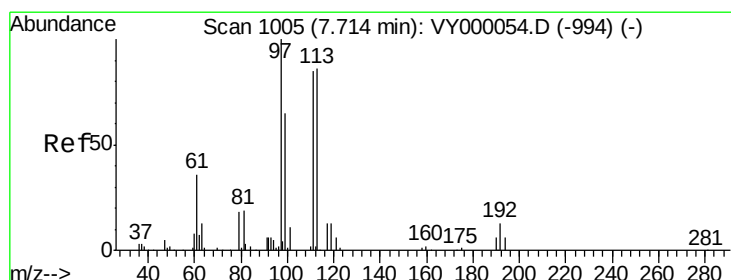
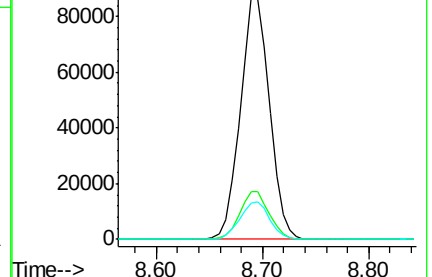
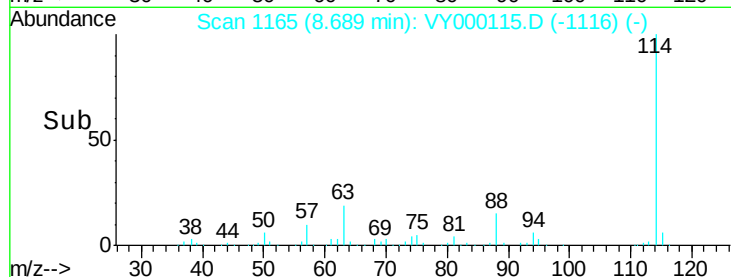
88 15.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 46.695 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000115.D

Acq: 20 Sep 2019 18:01

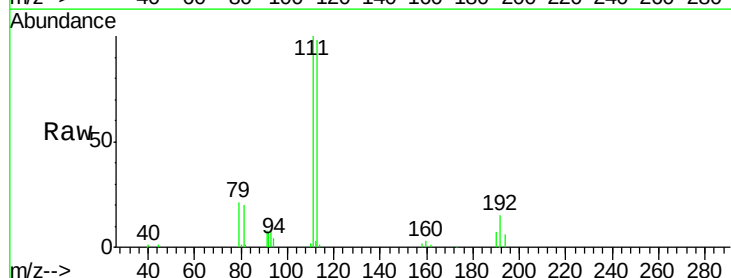
Tgt Ion:113 Resp: 47591

Ion Ratio Lower Upper

113 100

111 104.9 81.7 122.5

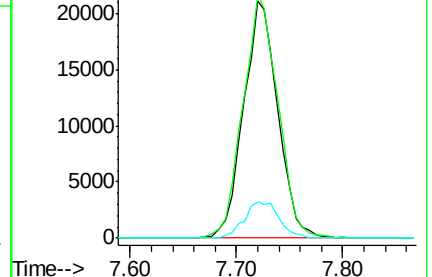
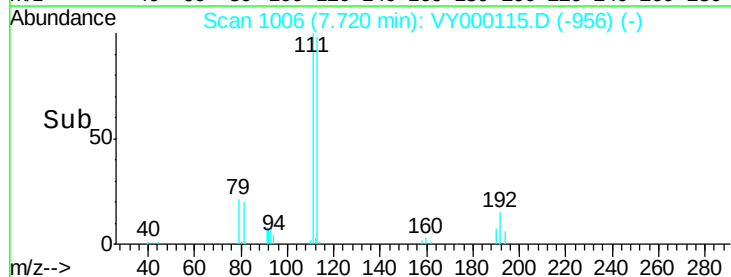
192 15.7 13.4 20.2

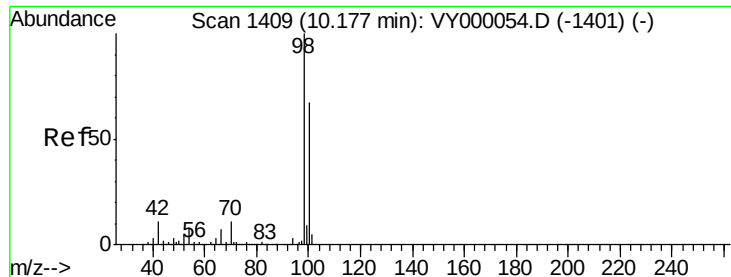


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.337 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000115.D

Acq: 20 Sep 2019 18:01

Instrument :

MSVOA_Y

ClientSampleId :

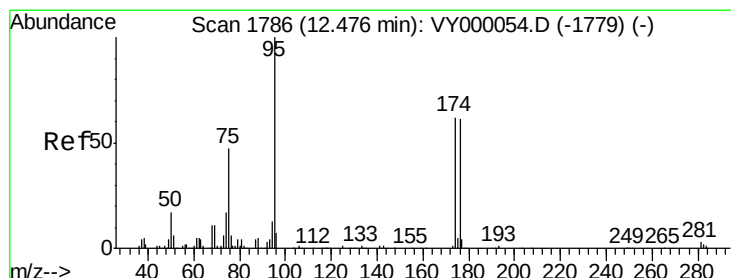
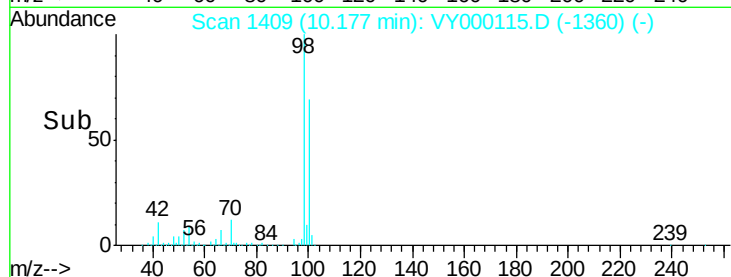
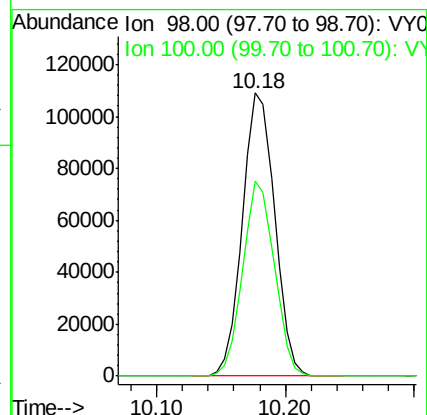
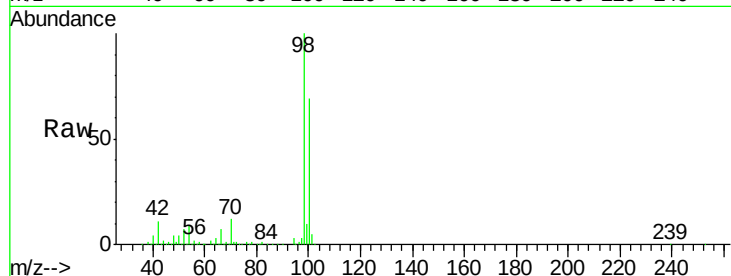
CSA-2-3-2RE

Tot Ion: 98 Resp: 189491

Ion Ratio Lower Upper

98 100

100 67.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 26.561 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY000115.D

Acq: 20 Sep 2019 18:01

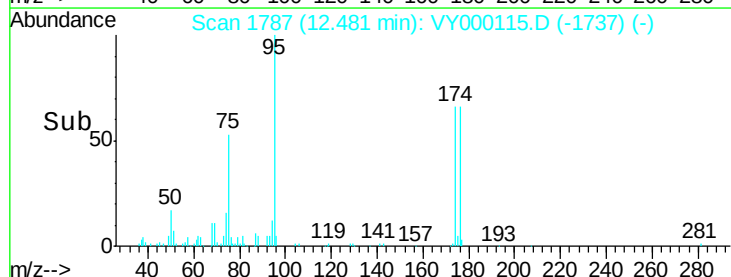
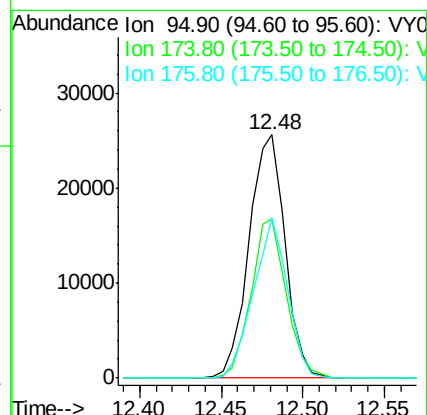
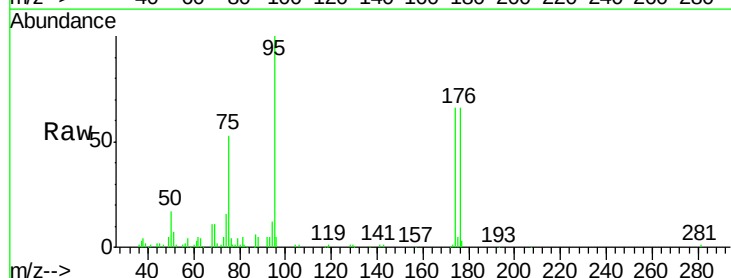
Tgt Ion: 95 Resp: 39476

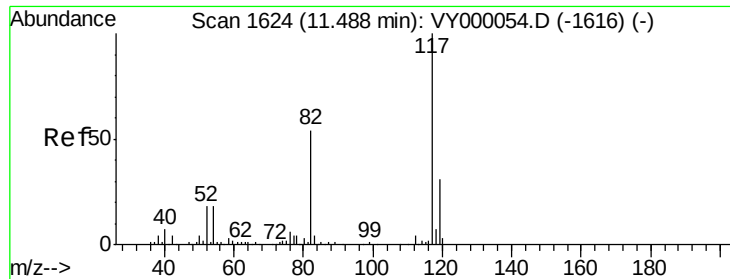
Ion Ratio Lower Upper

95 100

174 63.7 0.0 137.2

176 62.1 0.0 135.0

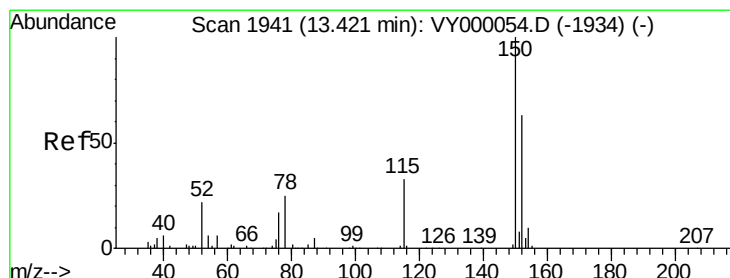
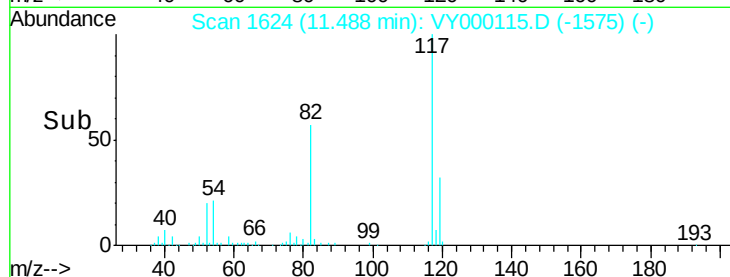
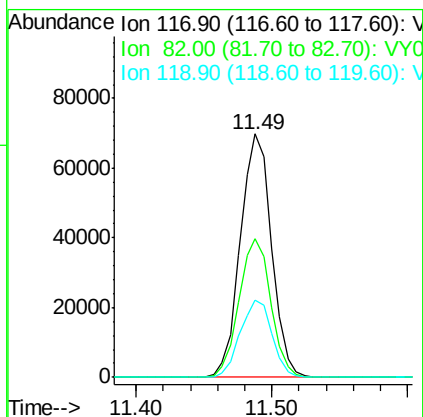
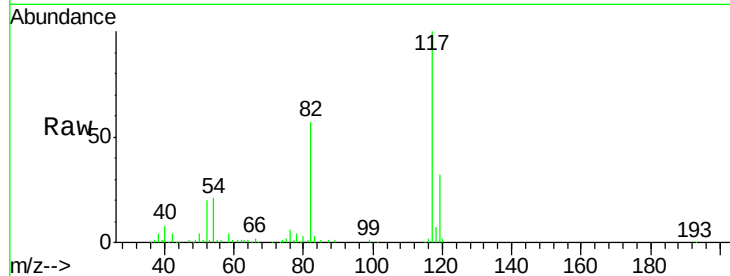




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000115.D
Acq: 20 Sep 2019 18:01

Instrument :
MSVOA_Y
ClientSampleId :
CSA-2-3-2RE

Tot Ion:117 Resp: 111692
Ion Ratio Lower Upper
117 100
82 56.7 43.5 65.3
119 31.9 24.6 36.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000115.D
Acq: 20 Sep 2019 18:01

Tgt Ion:152 Resp: 25445
Ion Ratio Lower Upper
152 100
115 67.0 30.7 92.1
150 156.8 0.0 351.6

