

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000749.D
 Acq On : 20 Nov 2019 12:46
 Operator : SY/MD
 Sample : K5923-02RE
 Misc : 5.07G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1ARE

Quant Time: Nov 21 07:54:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	85794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	130457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	92455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	36330	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	38588	43.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.92%	
35) Dibromofluoromethane	7.73	113	34733	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	
50) Toluene-d8	10.18	98	144224	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.48	95	36236	32.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.50%	

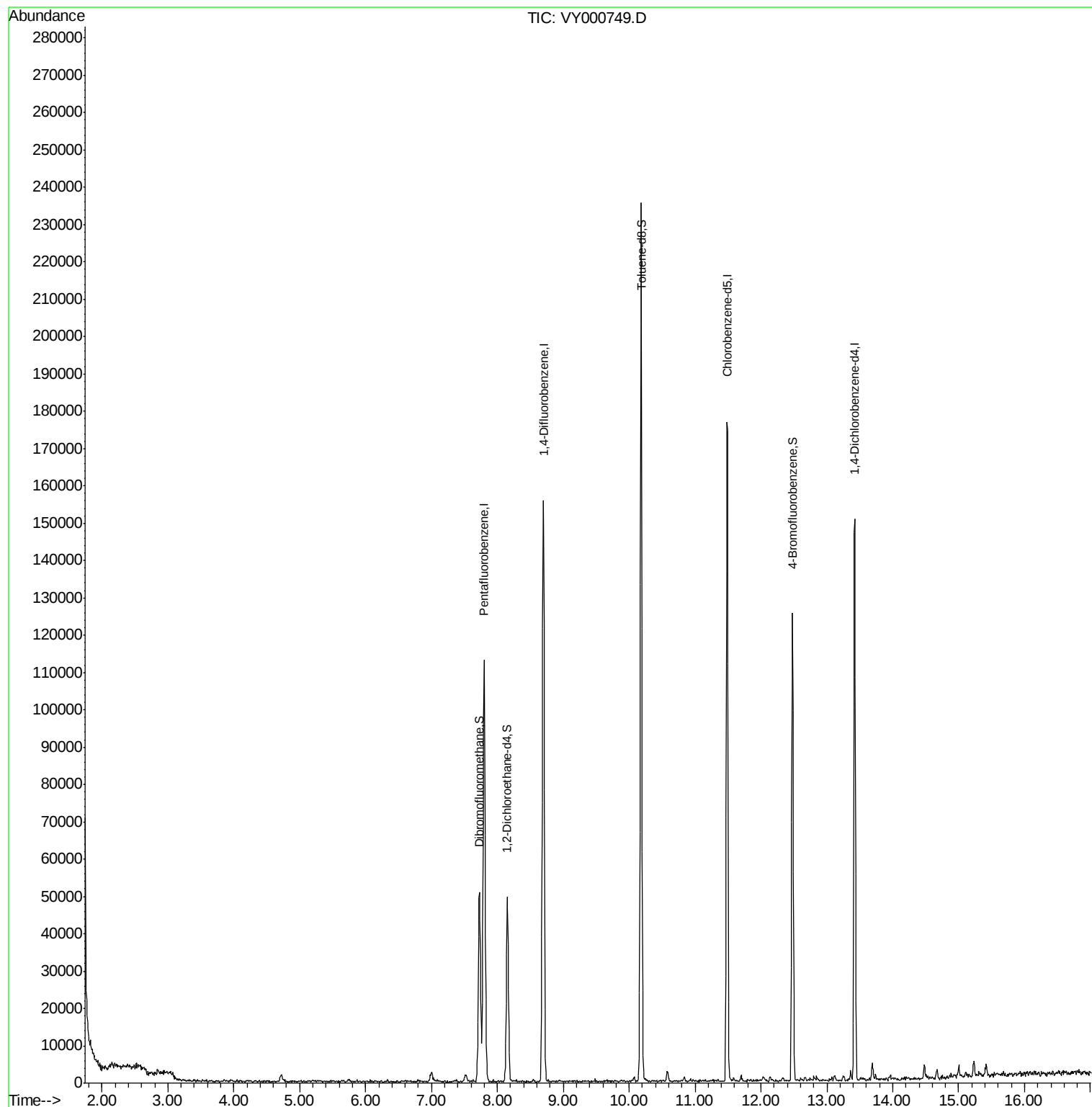
Target Compounds	Qvalue

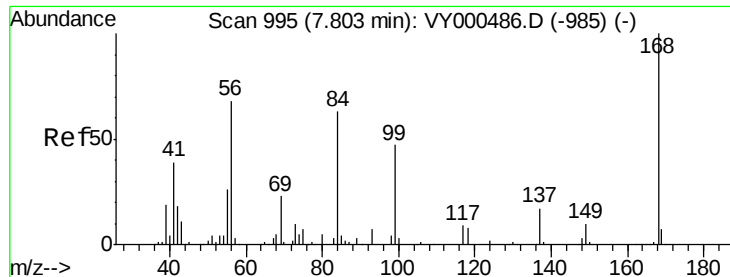
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

Instrument :

MSVOA_Y

ClientSampled :

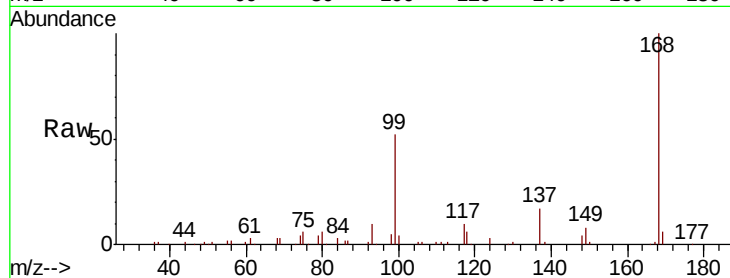
SP-1ARE

Tot Ion:168 Resp: 85794

Ion Ratio Lower Upper

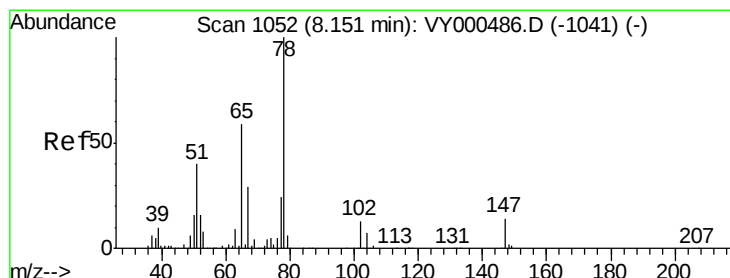
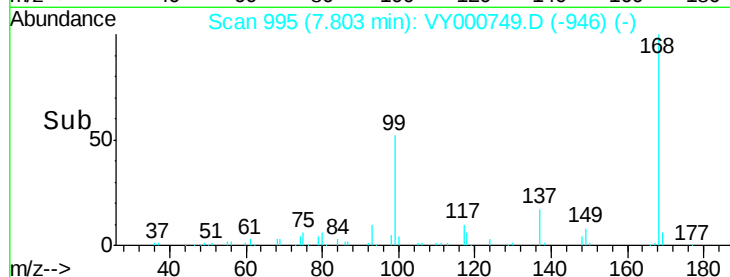
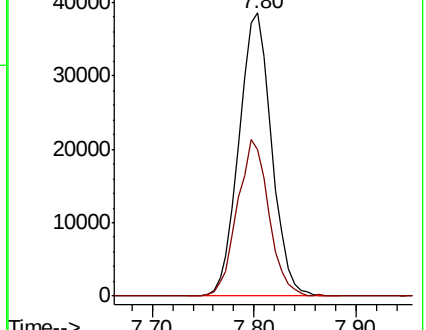
168 100

99 51.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)



#33

1,2-Dichloroethane-d4

Concen: 43.462 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000749.D

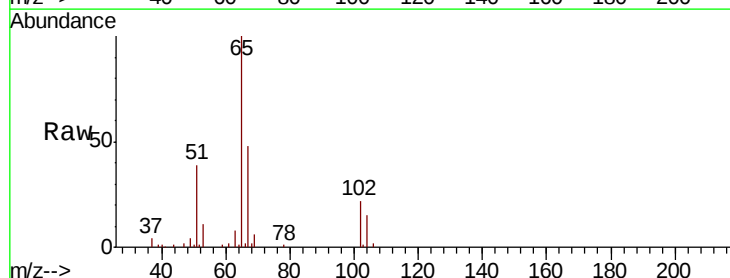
Acq: 20 Nov 2019 12:46

Tgt Ion: 65 Resp: 38588

Ion Ratio Lower Upper

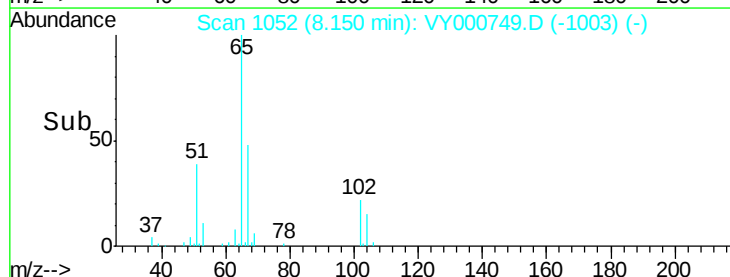
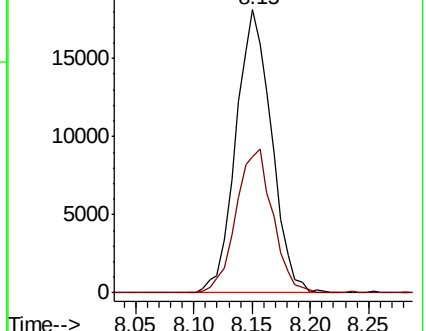
65 100

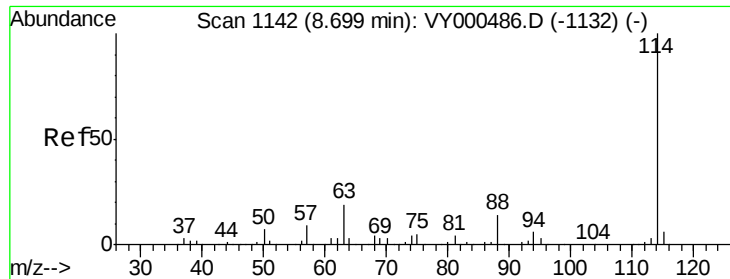
67 52.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY000486.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY000486.D (-1041) (-)

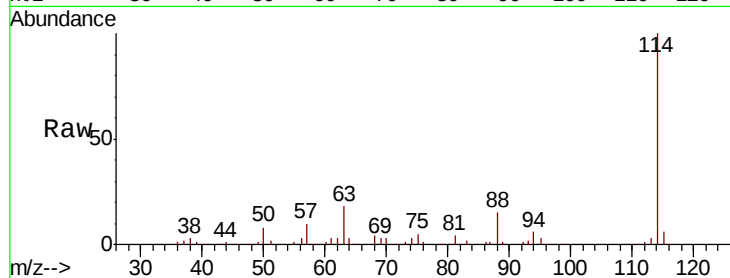




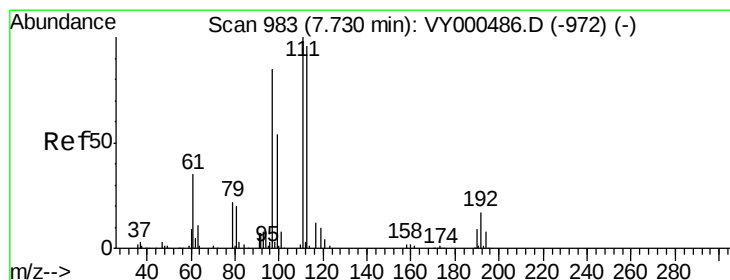
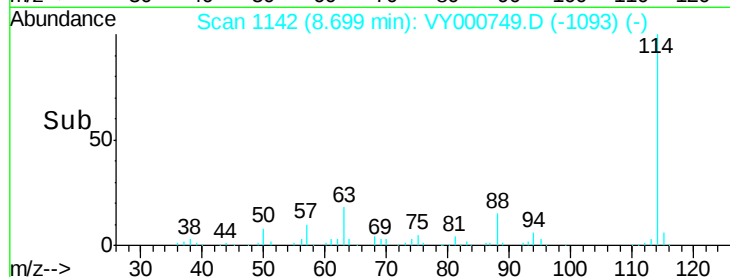
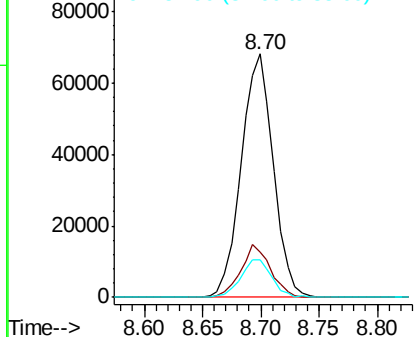
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VY000749.D
Acq: 20 Nov 2019 12:46

Instrument :
MSVOA_Y
ClientSampleId :
SP-1ARE

Tot Ion:114 Resp: 130457
Ion Ratio Lower Upper
114 100
63 18.4 0.0 38.0
88 15.5 0.0 28.6

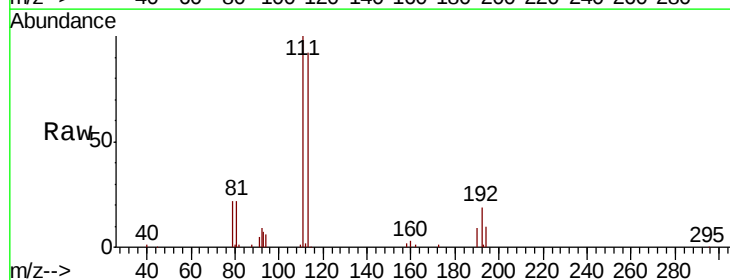


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

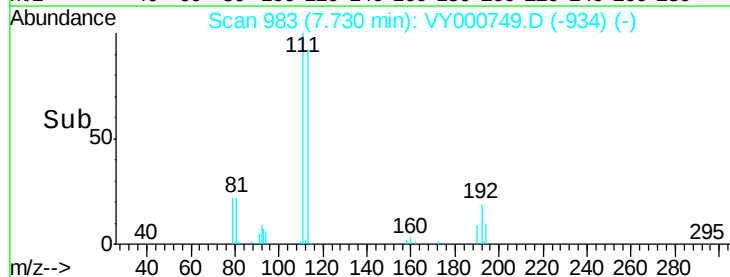
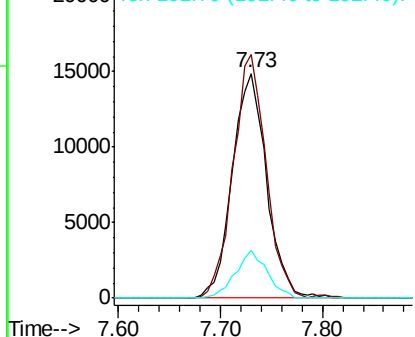


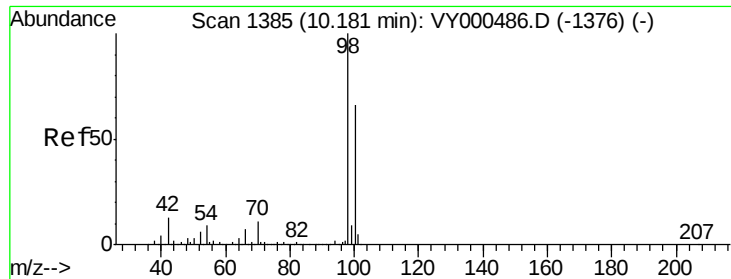
#35
Dibromofluoromethane
Concen: 45.351 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000749.D
Acq: 20 Nov 2019 12:46

Tgt Ion:113 Resp: 34733
Ion Ratio Lower Upper
113 100
111 103.5 81.7 122.5
192 19.6 15.0 22.4



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: 49.629 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

Instrument :

MSVOA_Y

ClientSampleId :

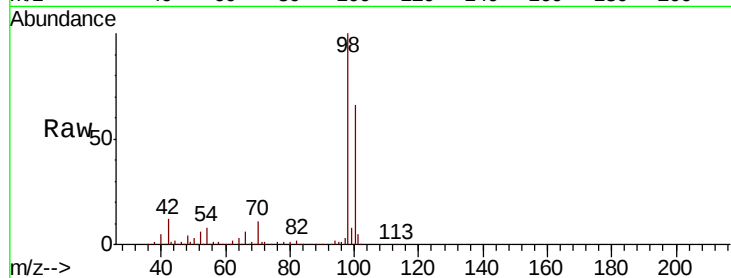
SP-1ARE

Tot Ion: 98 Resp: 144224

Ion Ratio Lower Upper

98 100

100 68.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

80000

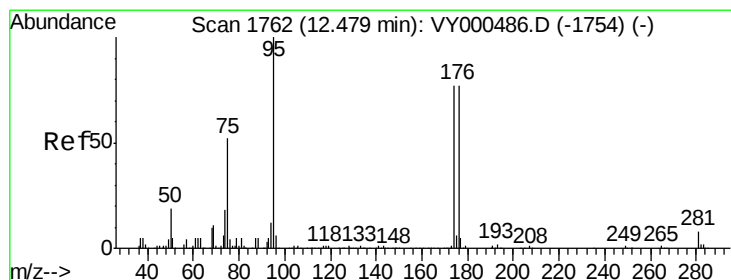
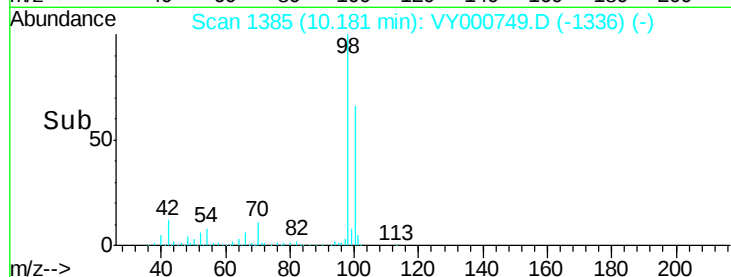
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 32.754 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

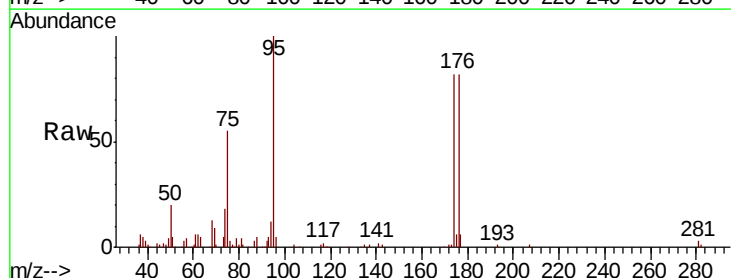
Tgt Ion: 95 Resp: 36236

Ion Ratio Lower Upper

95 100

174 84.8 0.0 161.6

176 80.1 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

30000

25000

20000

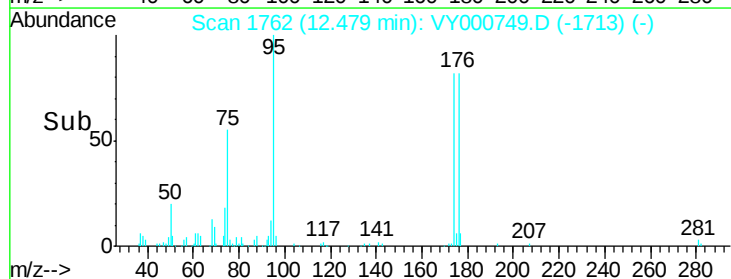
15000

10000

5000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

Instrument :

MSVOA_Y

ClientSampleId :

SP-1ARE

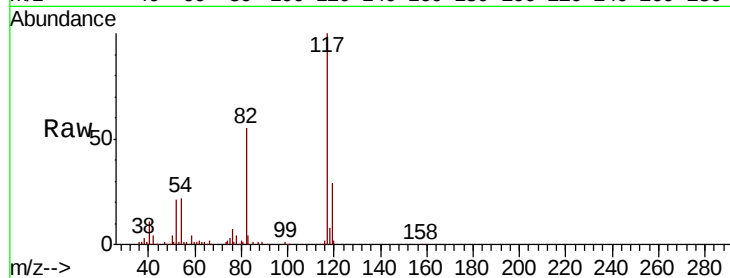
Tot Ion:117 Resp: 92455

Ion Ratio Lower Upper

117 100

82 55.1 40.8 61.2

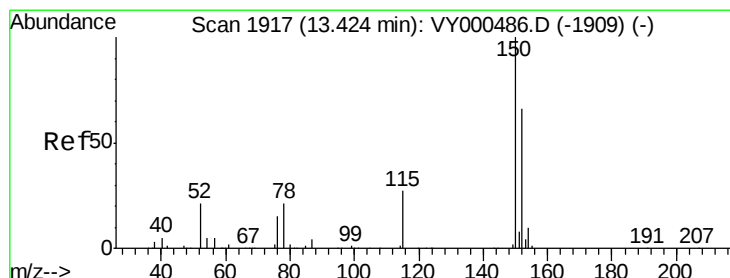
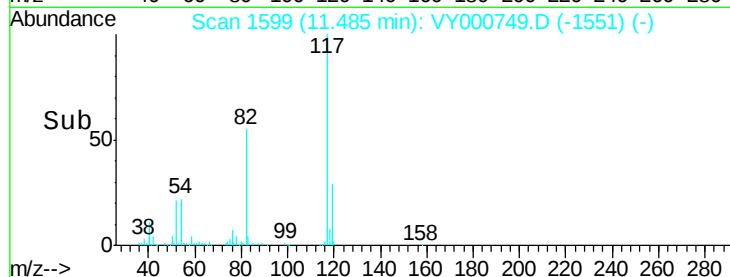
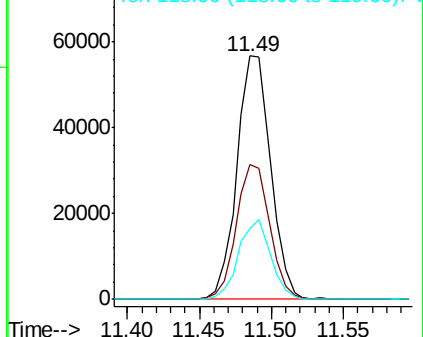
119 29.0 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

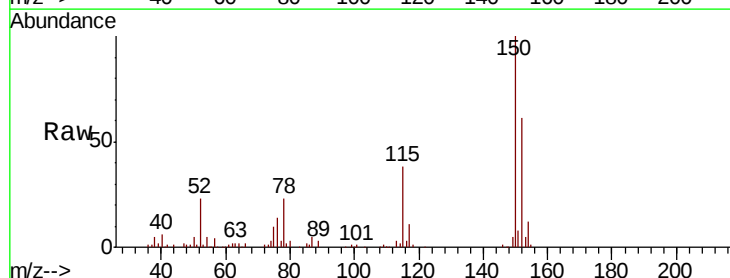
Tgt Ion:152 Resp: 36330

Ion Ratio Lower Upper

152 100

115 60.7 29.1 87.4

150 157.6 0.0 348.8



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

