

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070120\
 Data File : VY003070.D
 Acq On : 01 Jul 2020 19:47
 Operator : SY/MD
 Sample : L3172-25
 Misc : 5.08G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP10-SS

Quant Time: Jul 02 04:09:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

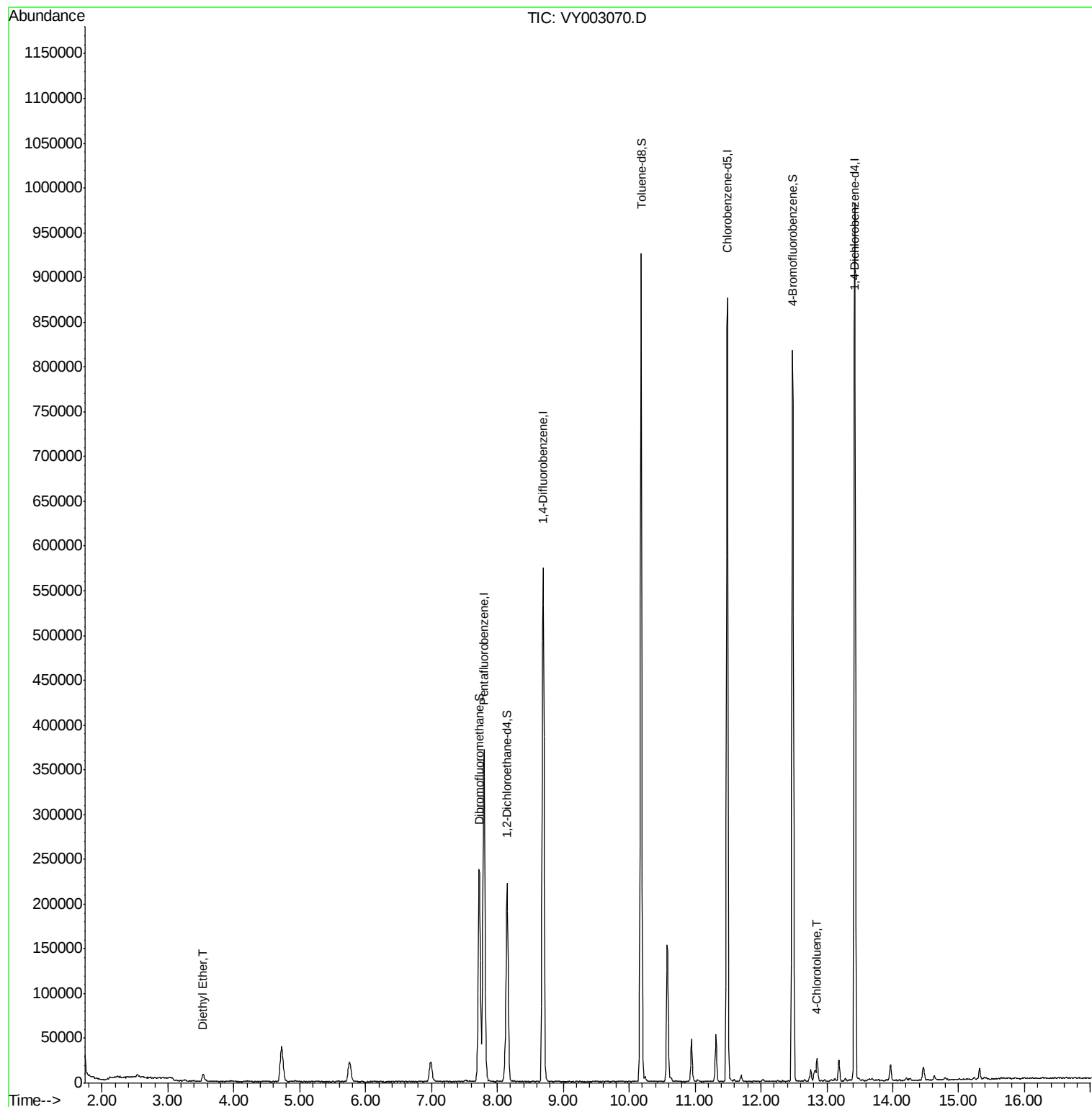
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	304649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	494582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	478232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	250943	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	169631	56.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.12%	
35) Dibromofluoromethane	7.73	113	166538	53.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.96%	
50) Toluene-d8	10.18	98	592315	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.48	95	215262	53.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.40%	
Target Compounds						
8) Diethyl Ether	3.54	74	4659	2.922	ug/l	91
82) 4-Chlorotoluene	12.85	91	12826	1.117	ug/l	95

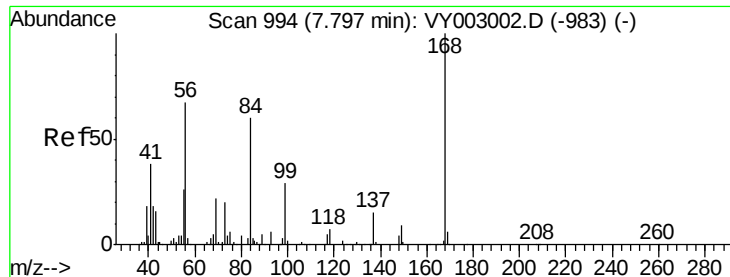
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003070.D

Acq: 01 Jul 2020 19:47

Instrument :

MSVOA_Y

ClientSampled :

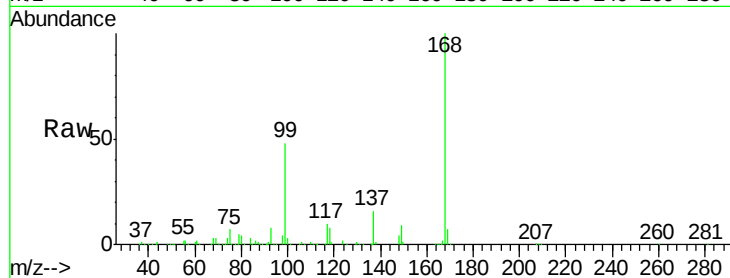
TP10-SS

Tot Ion:168 Resp: 304649

Ion Ratio Lower Upper

168 100

99 48.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

150000

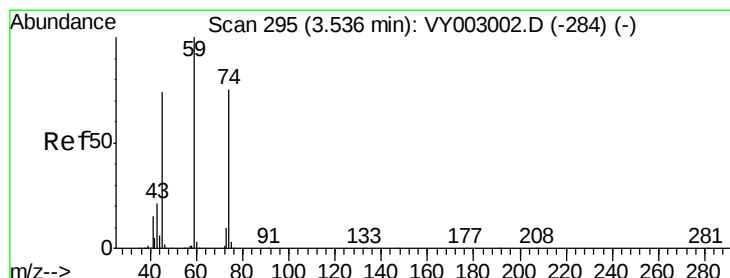
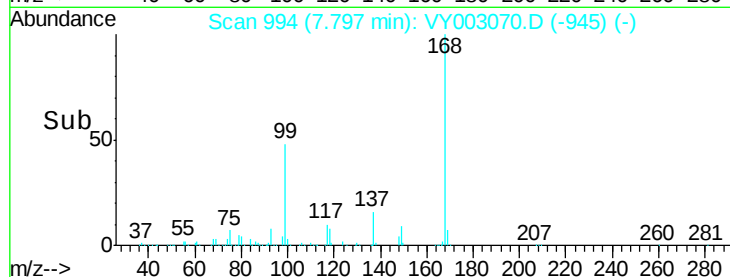
100000

50000

0

7.70 7.80 7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 2.922 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY003070.D

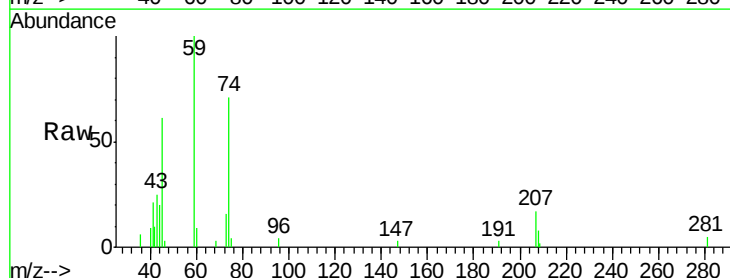
Acq: 01 Jul 2020 19:47

Tgt Ion: 74 Resp: 4659

Ion Ratio Lower Upper

74 100

45 90.1 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0

3.54

2000

1500

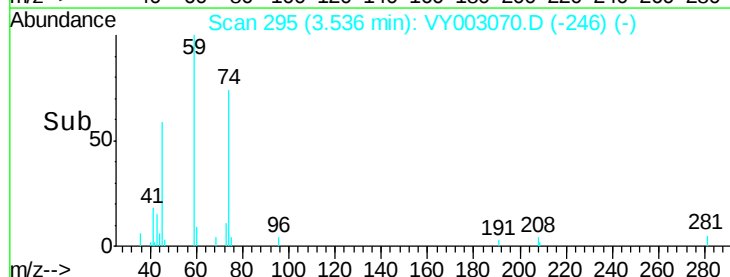
1000

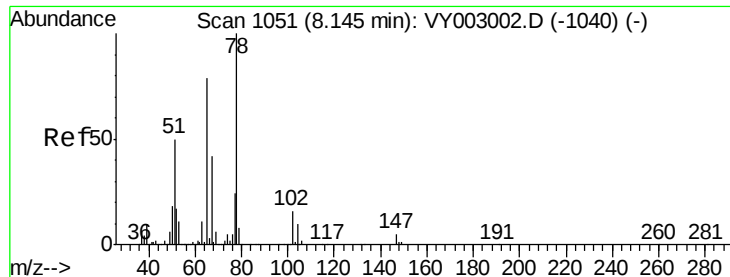
500

0

3.45 3.50 3.55 3.60 3.65

Time-->





#33

1,2-Dichloroethane-d4

Concen: 56.062 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003070.D

Acq: 01 Jul 2020 19:47

Instrument :

MSVOA_Y

ClientSampleId :

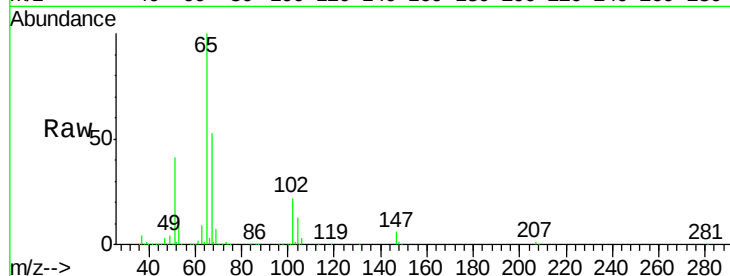
TP10-SS

Tot Ion: 65 Resp: 169631

Ion Ratio Lower Upper

65 100

67 53.9 0.0 105.6



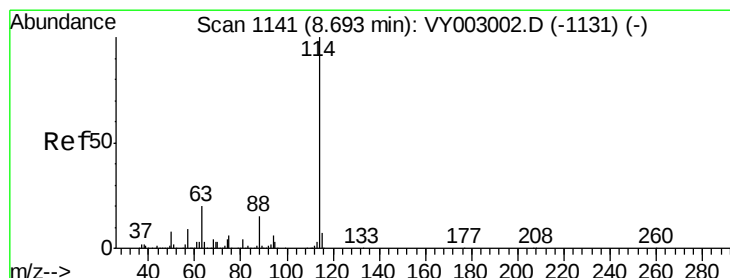
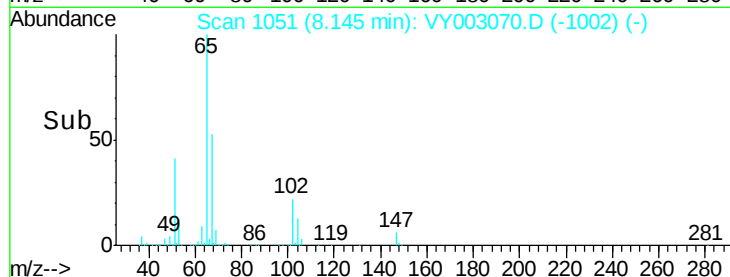
Abundance Ion 64.90 (64.60 to 65.60): VY003070.D (-1040) (-)

Ion 66.90 (66.60 to 67.60): VY003070.D (-1040) (-)

8.14

8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY003070.D

Acq: 01 Jul 2020 19:47

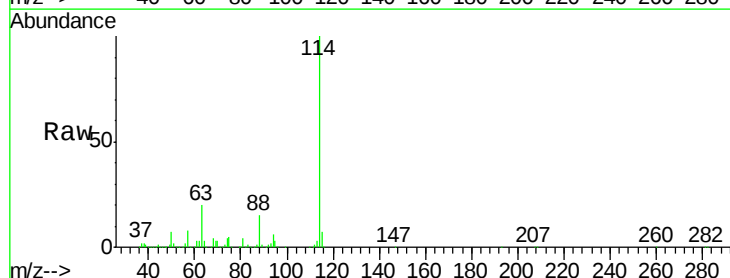
Tgt Ion: 114 Resp: 494582

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.6

88 15.0 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): VY003070.D (-1092) (-)

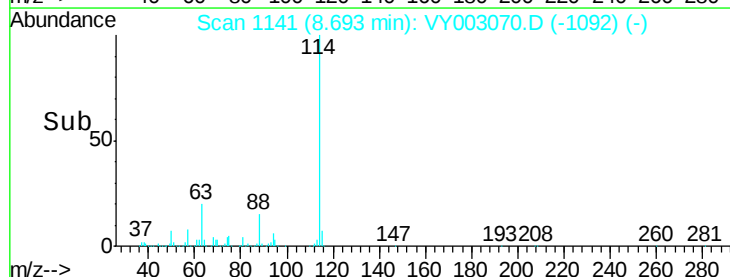
Ion 63.00 (62.70 to 63.70): VY003070.D (-1092) (-)

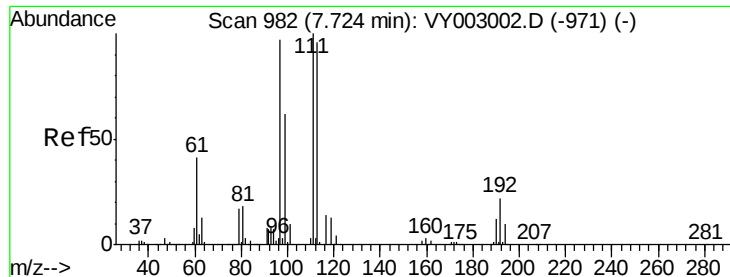
Ion 87.90 (87.60 to 88.60): VY003070.D (-1092) (-)

8.69

8.60 8.70 8.80

Time-->

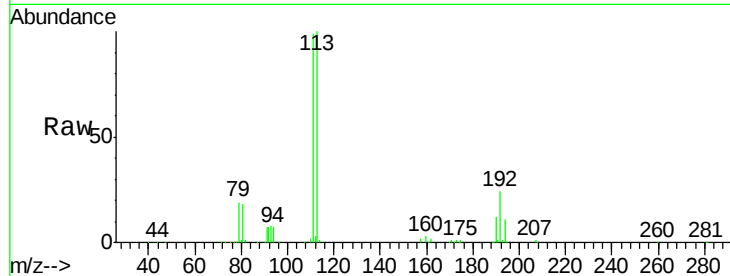




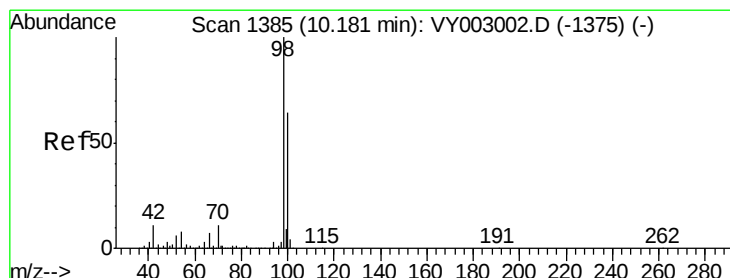
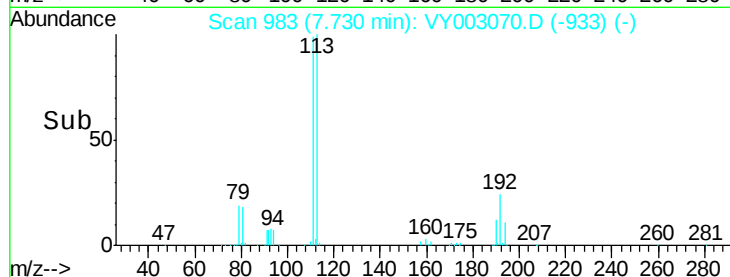
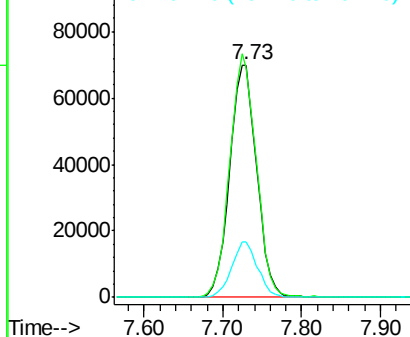
#35
Dibromofluoromethane
Concen: 53.978 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY003070.D
Acq: 01 Jul 2020 19:47

Instrument :
MSVOA_Y
ClientSampleId :
TP10-SS

Tot Ion:113 Resp: 166538
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 22.8 18.1 27.1

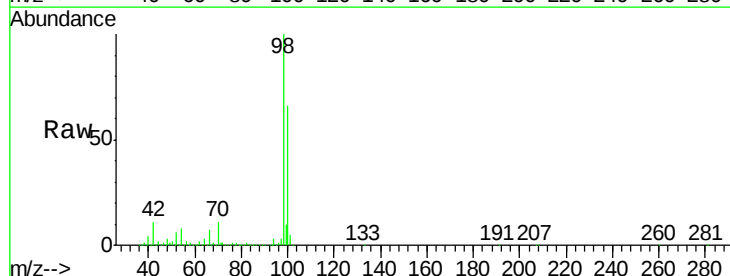


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

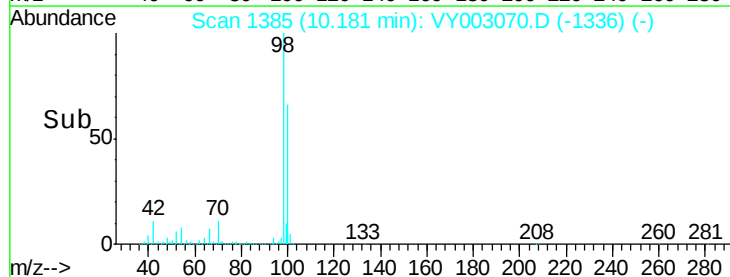
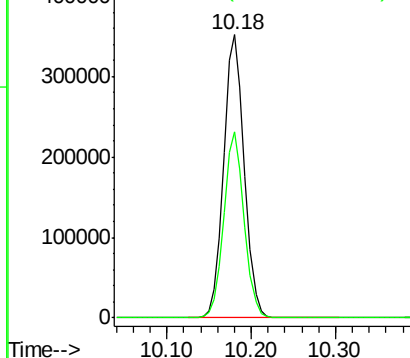


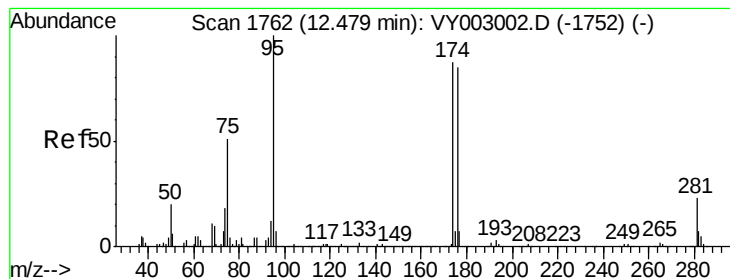
#50
Toluene-d8
Concen: 51.532 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003070.D
Acq: 01 Jul 2020 19:47

Tgt Ion: 98 Resp: 592315
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 53.205 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003070.D

Acq: 01 Jul 2020 19:47

Instrument :

MSVOA_Y

ClientSampleId :

TP10-SS

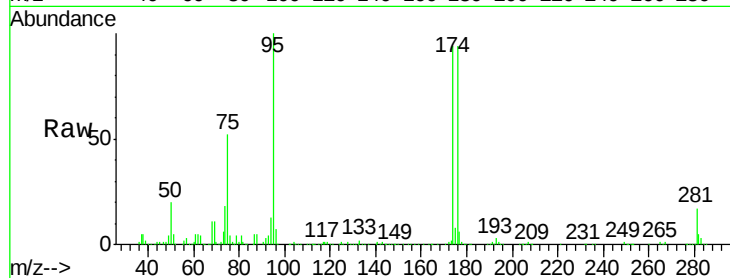
Tot Ion: 95 Resp: 215262

Ion Ratio Lower Upper

95 100

174 95.2 0.0 184.8

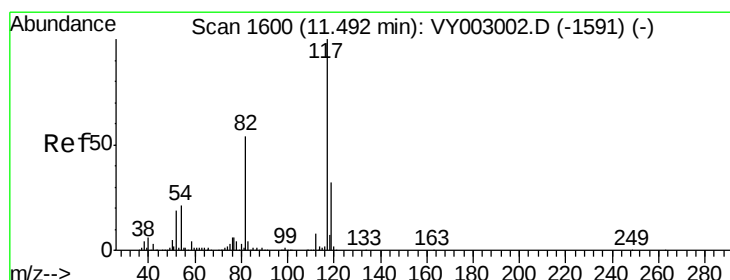
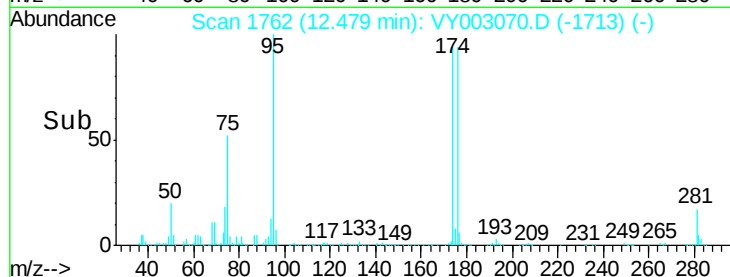
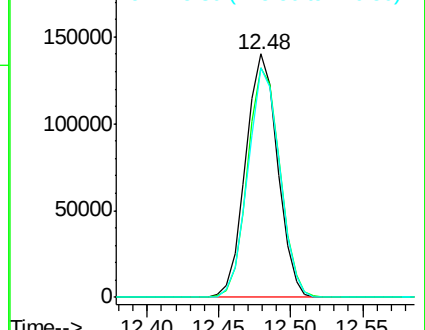
176 93.2 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY003070.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003070.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003070.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003070.D

Acq: 01 Jul 2020 19:47

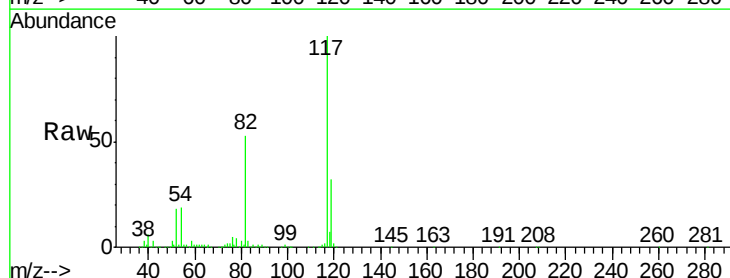
Tgt Ion: 117 Resp: 478232

Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.6

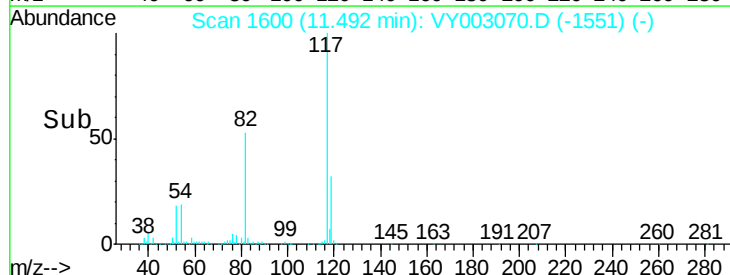
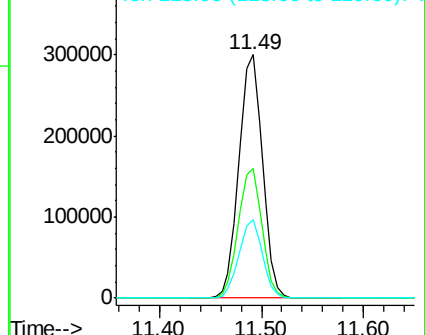
119 32.0 25.8 38.8

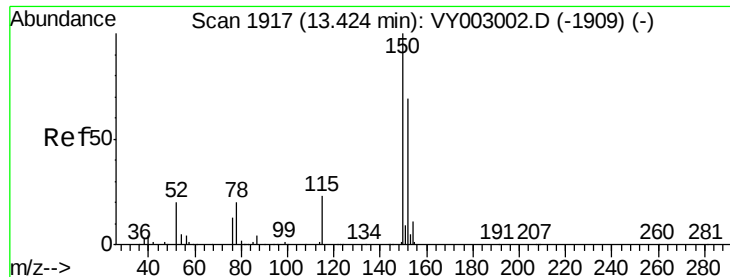


Abundance Ion 116.90 (116.60 to 117.60): VY003070.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003070.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003070.D (-1551) (-)



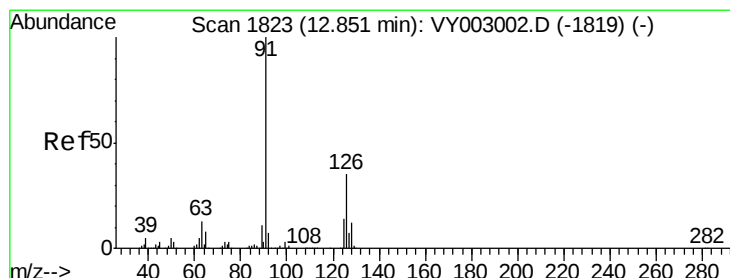
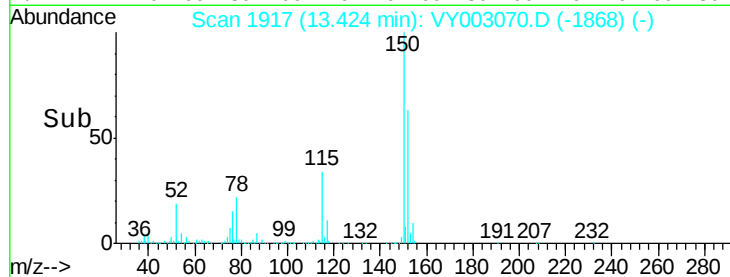
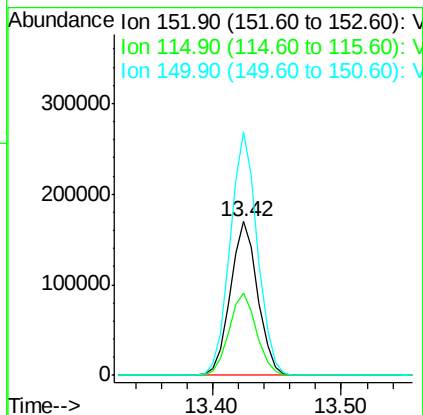
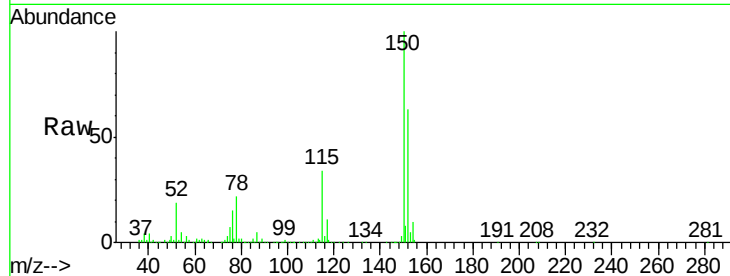


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003070.D
Acq: 01 Jul 2020 19:47

Instrument :
MSVOA_Y
ClientSampled :
TP10-SS

Tot Ion:152 Resp: 250943
Ion Ratio Lower Upper
152 100
115 53.9 27.3 81.9
150 157.9 0.0 343.4



#82

4-Chlorotoluene
Concen: 1.117 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY003070.D
Acq: 01 Jul 2020 19:47

Tgt Ion: 91 Resp: 12826
Ion Ratio Lower Upper
91 100
126 37.7 17.4 52.3

