

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070220\
 Data File : VY003092.D
 Acq On : 02 Jul 2020 17:58
 Operator : SY/MD
 Sample : L3212-01
 Misc : 7.85G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-SOIL-616-618

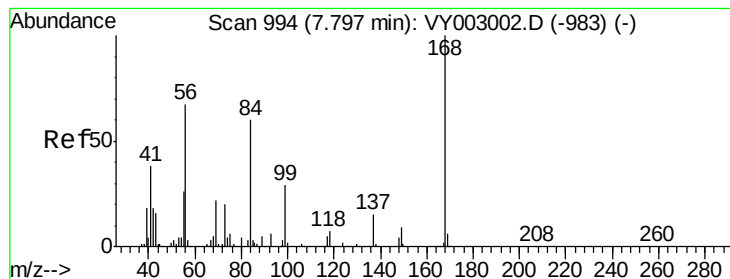
Quant Time: Jul 03 02:39:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	301737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	483442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	469853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	248192	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	170315	56.83	ug/l	0.00
Spiked Amount			Recovery	=	113.66%	
35) Dibromofluoromethane	7.72	113	160546	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
50) Toluene-d8	10.18	98	589708	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.48	95	218983	55.37	ug/l	0.00
Spiked Amount			Recovery	=	110.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	5156	7.295	ug/l	99
17) Carbon Disulfide	4.19	76	38653	4.622	ug/l #	94
20) Methylene Chloride	4.72	84	31832	3.627	ug/l	89
31) Cyclohexane	7.80	56	5598	1.062	ug/l #	5
36) 1,1-Dichloropropene	7.80	75	20242	4.347	ug/l #	51
38) Carbon Tetrachloride	7.80	117	27520	5.680	ug/l #	17
44) Trichloroethene	8.94	130	6764	1.825	ug/l	79
75) 1,1,2,2-Tetrachloroethane	12.47	83	3691	1.126	ug/l	66
76) 1,2,3-Trichloropropane	12.48	75	112514	45.805	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	112514	89.118	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003092.D

Acq: 02 Jul 2020 17:58

Instrument :

MSVOA_Y

ClientSampleId :

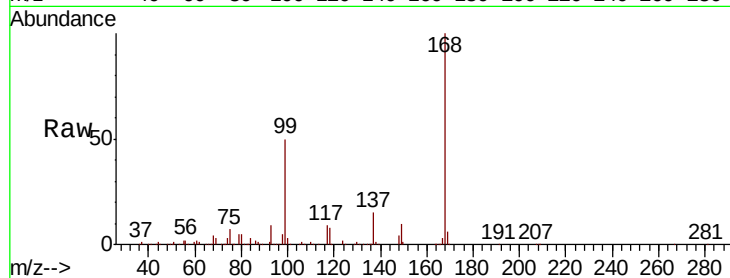
BP-MW180-SOIL-616-618

Tot Ion:168 Resp: 301737

Ion Ratio Lower Upper

168 100

99 50.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003092.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003092.D (-945) (-)

7.80

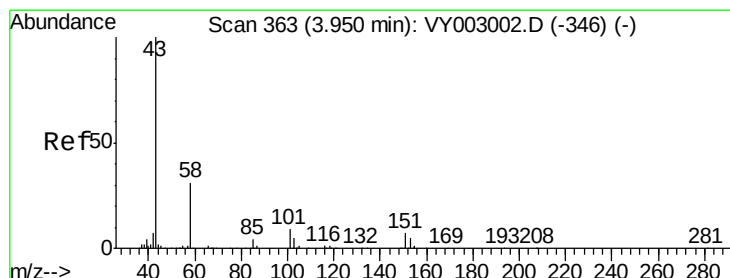
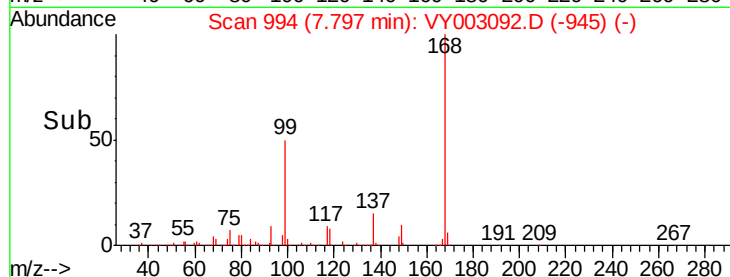
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.295 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003092.D

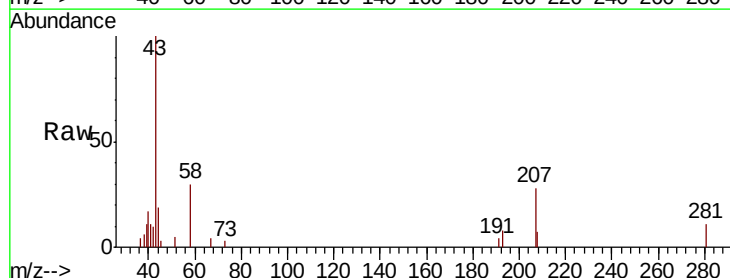
Acq: 02 Jul 2020 17:58

Tgt Ion: 43 Resp: 5156

Ion Ratio Lower Upper

43 100

58 30.5 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003092.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003092.D (-314) (-)

3.96

2000

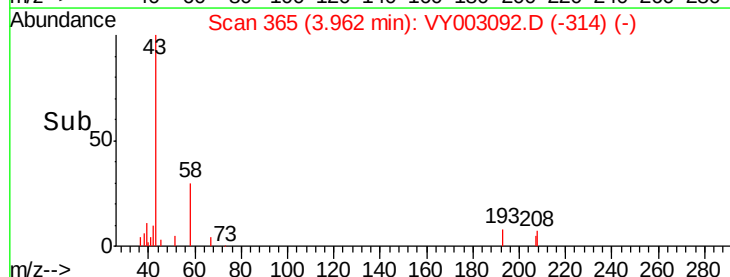
1500

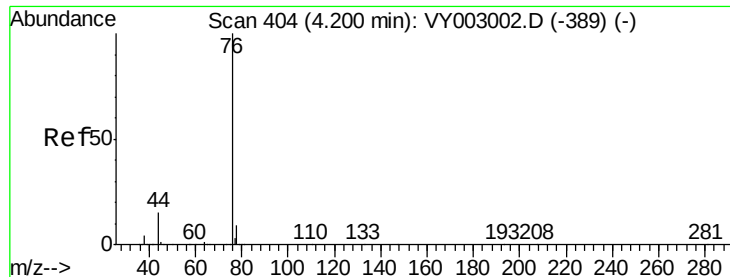
1000

500

0

Time-->





#17

Carbon Disulfide

Concen: 4.622 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY003092.D

Acq: 02 Jul 2020 17:58

Instrument :

MSVOA_Y

ClientSampleId :

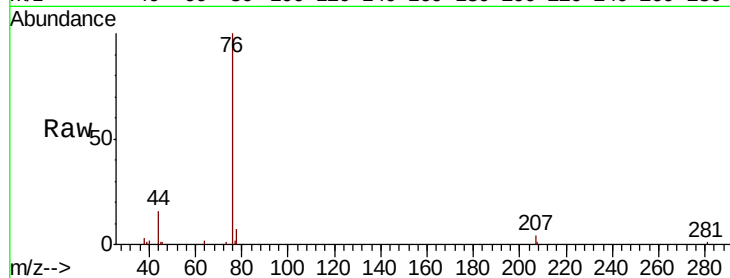
BP-MW180-SOIL-616-618

Tot Ion: 76 Resp: 38653

Ion Ratio Lower Upper

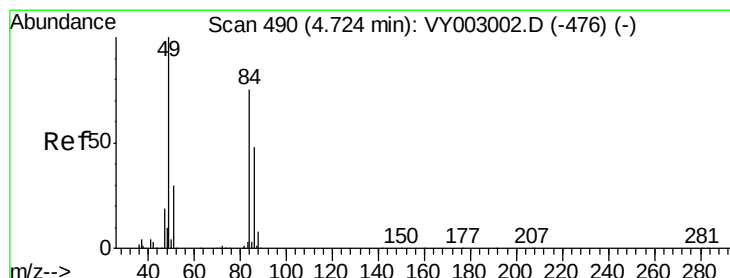
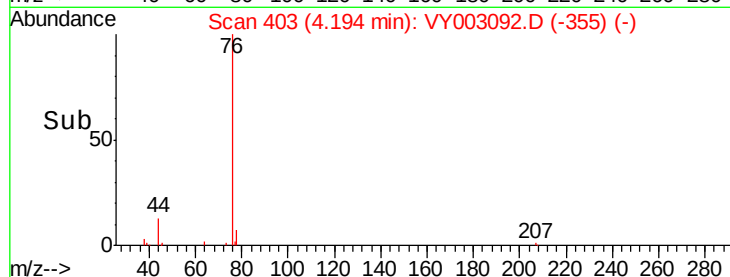
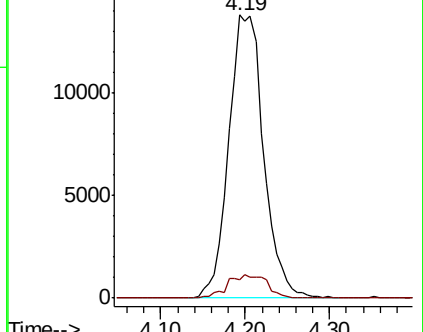
76 100

78 6.7 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VY003092.D (-389) (-)

Ion 77.90 (77.60 to 78.60): VY003092.D (-389) (-)



#20

Methylene Chloride

Concen: 3.627 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003092.D

Acq: 02 Jul 2020 17:58

Tgt Ion: 84 Resp: 31832

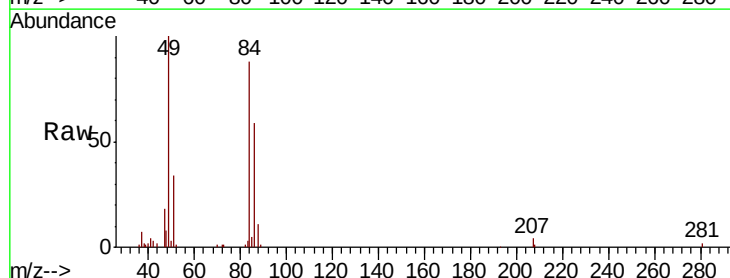
Ion Ratio Lower Upper

84 100

49 113.6 106.8 160.2

51 39.1 32.0 48.0

86 67.4 51.4 77.2

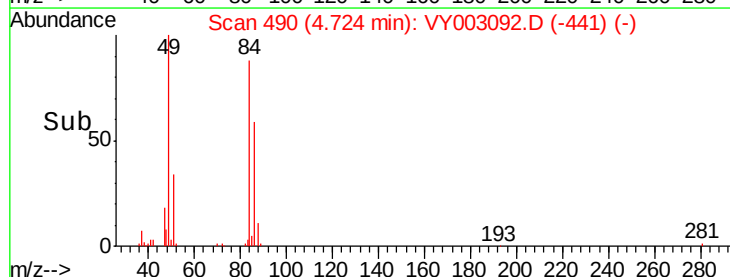
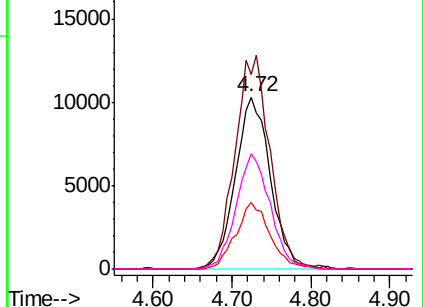


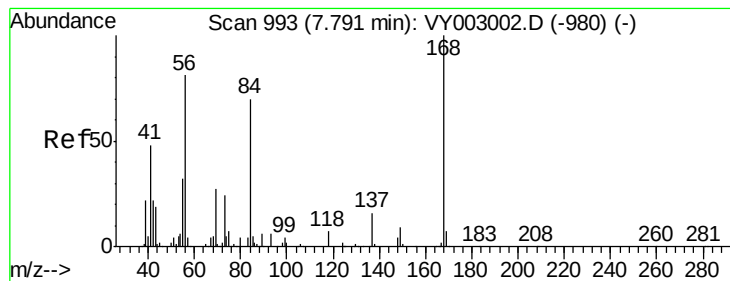
Abundance Ion 83.90 (83.60 to 84.60): VY003092.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY003092.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY003092.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY003092.D (-476) (-)





#31

Cyclohexane

Concen: 1.062 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003092.D

Acq: 02 Jul 2020 17:58

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-616-618

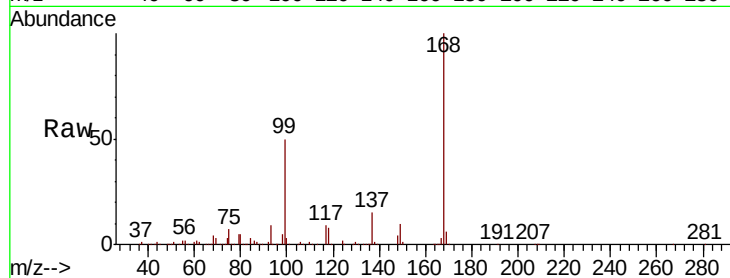
Tot Ion: 56 Resp: 5598

Ion Ratio Lower Upper

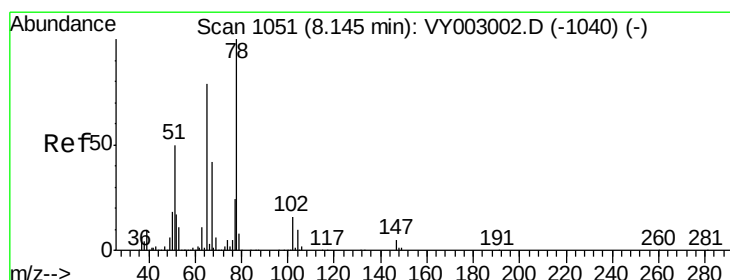
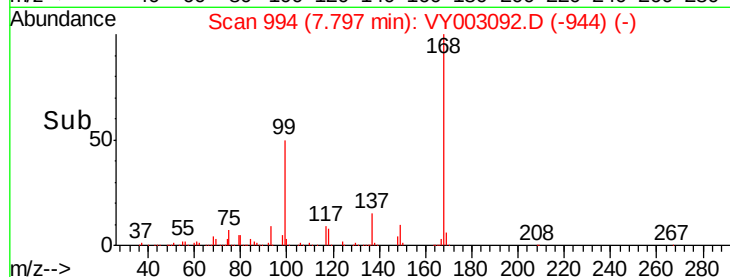
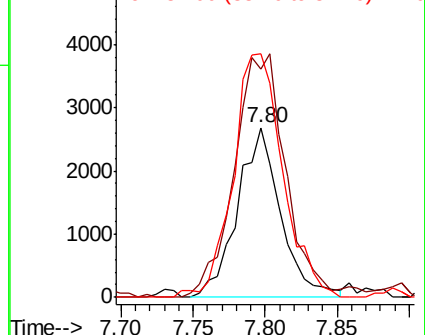
56 100

69 132.0 27.0 40.4#

84 143.5 68.1 102.1#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 56.831 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003092.D

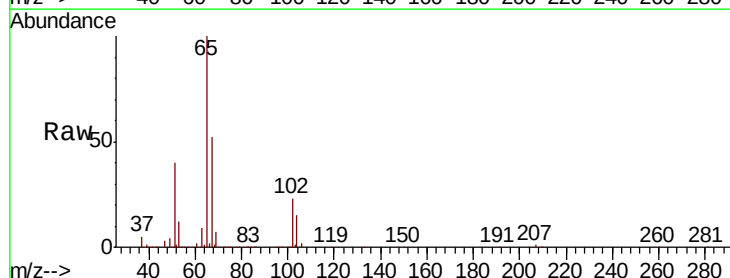
Acq: 02 Jul 2020 17:58

Tgt Ion: 65 Resp: 170315

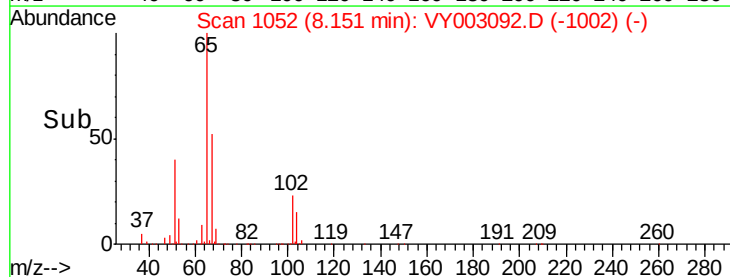
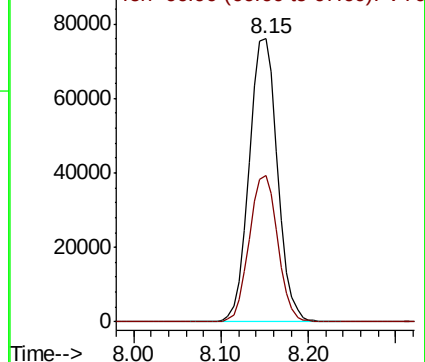
Ion Ratio Lower Upper

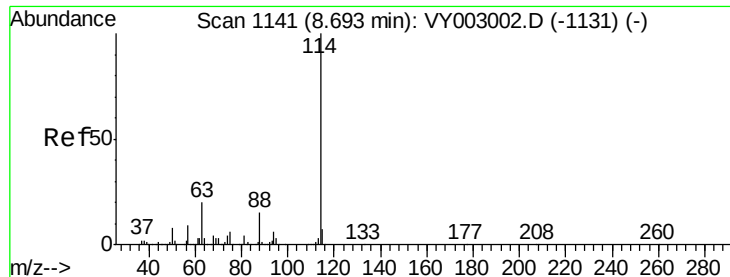
65 100

67 52.2 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

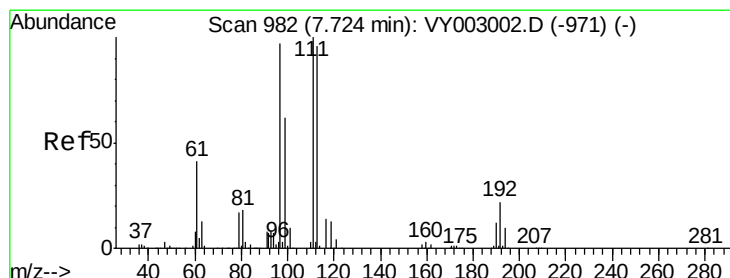
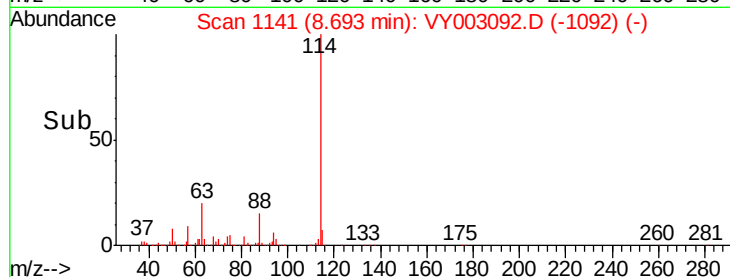
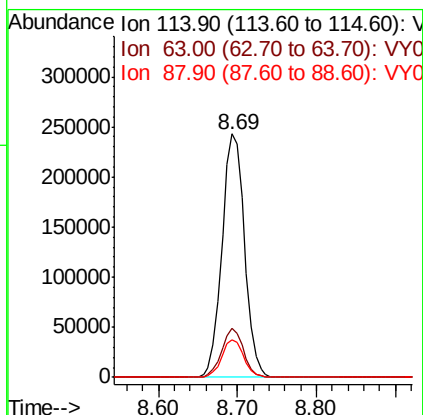
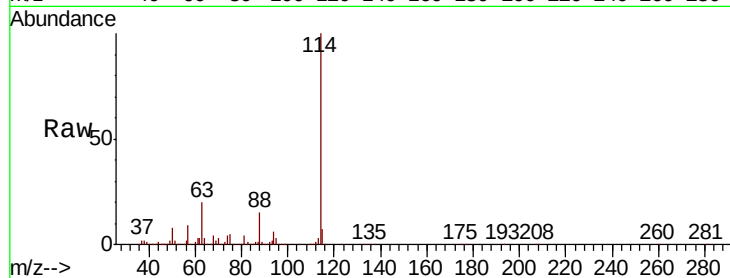




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003092.D
 Acq: 02 Jul 2020 17:58

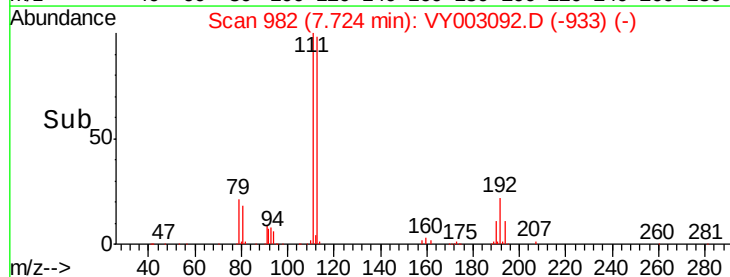
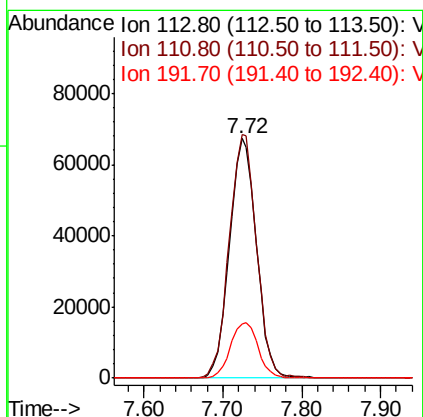
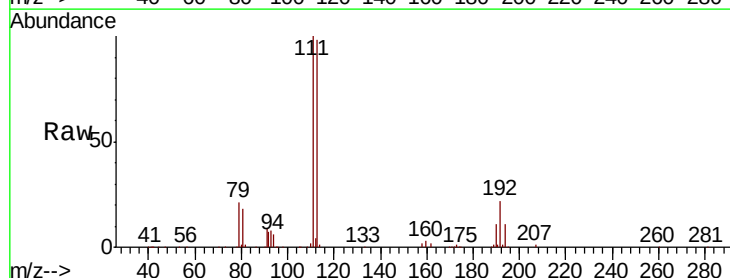
Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-SOIL-616-618

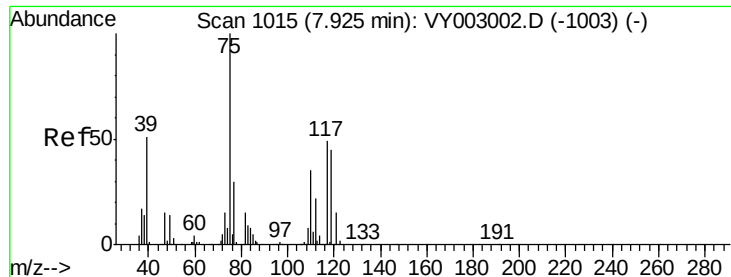
Tot Ion:114 Resp: 483442
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.6
 88 15.3 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 53.235 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003092.D
 Acq: 02 Jul 2020 17:58

Tgt Ion:113 Resp: 160546
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 23.5 18.1 27.1

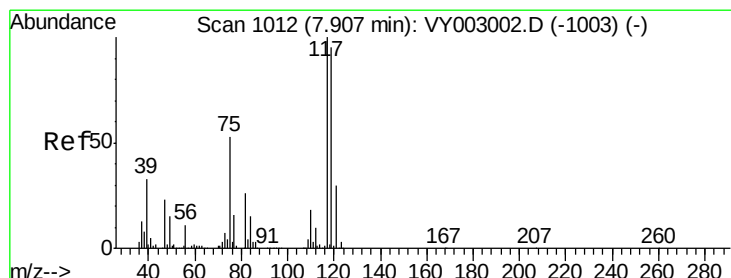
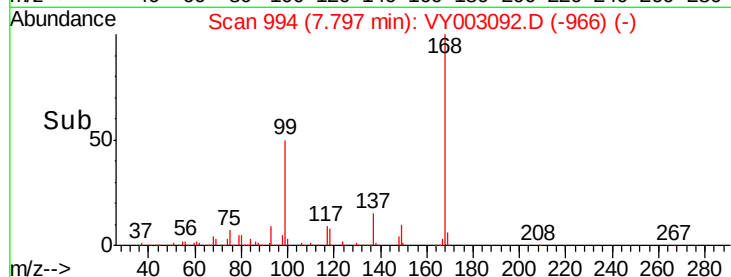
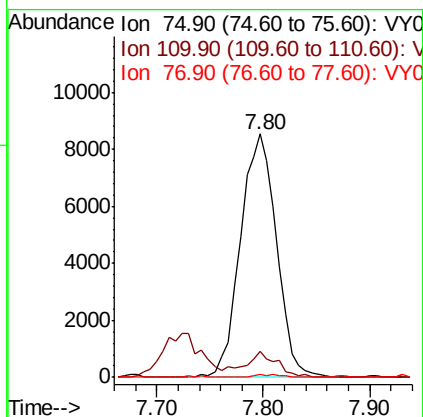
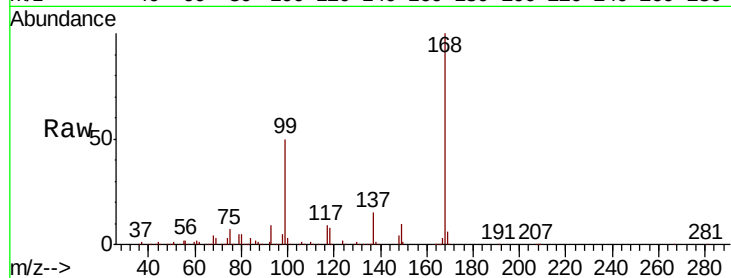




#36
 1,1-Dichloropropene
 Concen: 4.347 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003092.D
 Acq: 02 Jul 2020 17:58

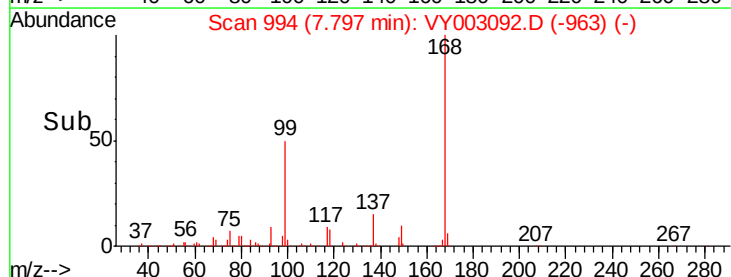
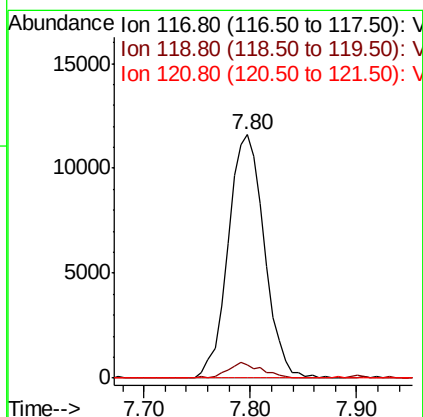
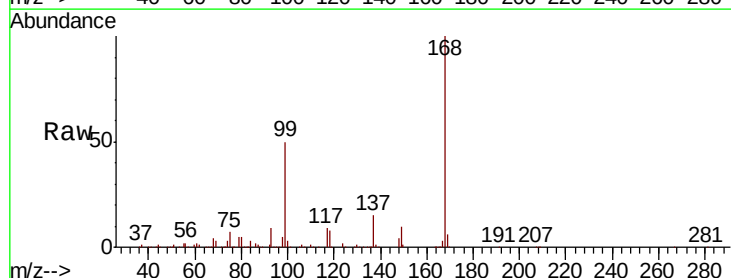
Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-SOIL-616-618

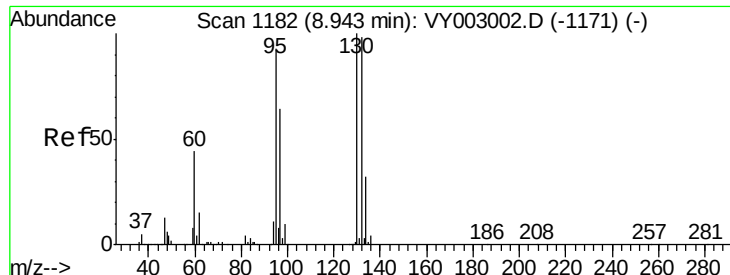
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.1	51.2#
77	0.8	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.680 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003092.D
 Acq: 02 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.7	113.5#
121	0.0	23.9	35.9#





#44

Trichloroethene

Concen: 1.825 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY003092.D

Acq: 02 Jul 2020 17:58

Instrument :

MSVOA_Y

ClientSampleId :

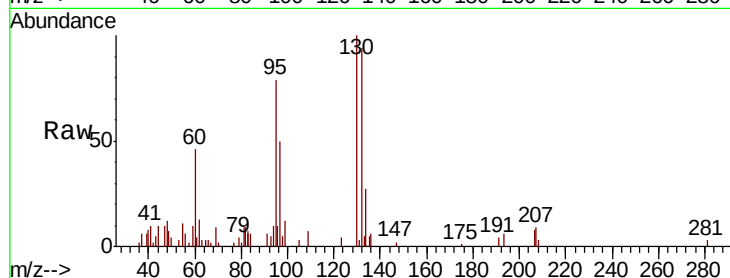
BP-MW180-SOIL-616-618

Tot Ion:130 Resp: 6764

Ion Ratio Lower Upper

130 100

95 73.1 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): VY003092.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY003092.D (-1133) (-)

8.94

4000

3000

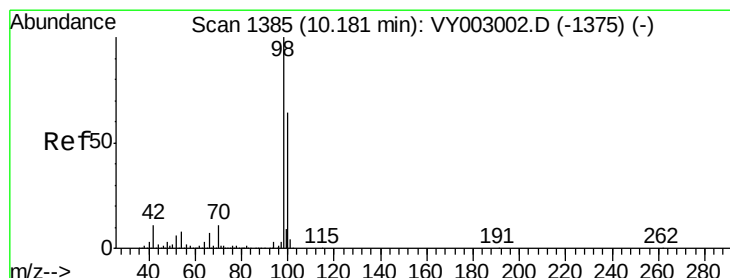
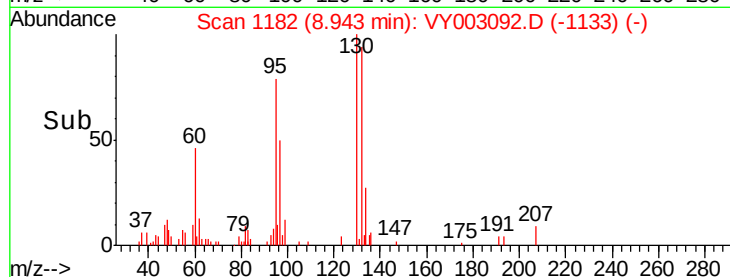
2000

1000

0

8.85 8.90 8.95 9.00

Time-->



#50

Toluene-d8

Concen: 52.488 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003092.D

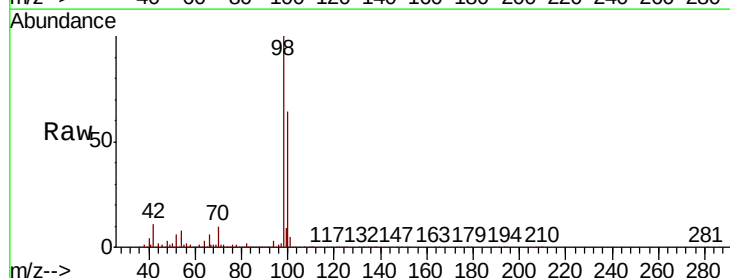
Acq: 02 Jul 2020 17:58

Tgt Ion: 98 Resp: 589708

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY003092.D (-1336) (-)

Ion 100.00 (99.70 to 100.70): VY003092.D (-1336) (-)

10.18

400000

300000

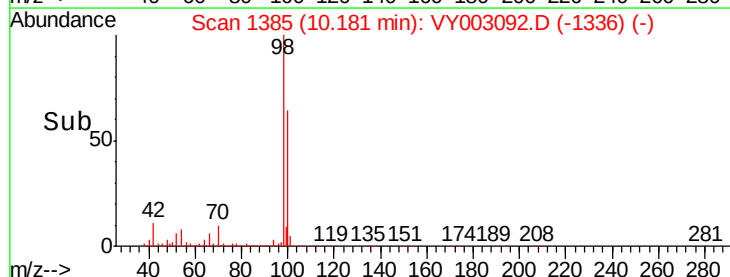
200000

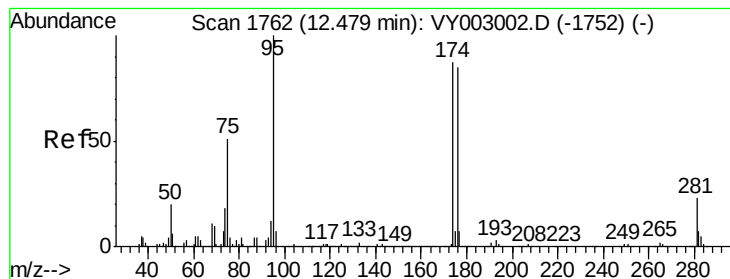
100000

0

10.10 10.20 10.30

Time-->





#62

4-Bromofluorobenzene

Concen: 55.371 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003092.D

Acq: 02 Jul 2020 17:58

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-616-618

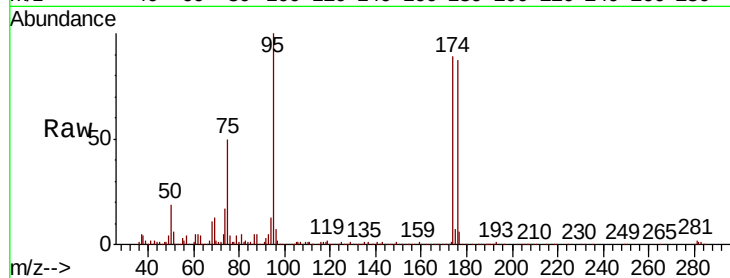
Tot Ion: 95 Resp: 218983

Ion Ratio Lower Upper

95 100

174 93.4 0.0 184.8

176 91.4 0.0 183.0

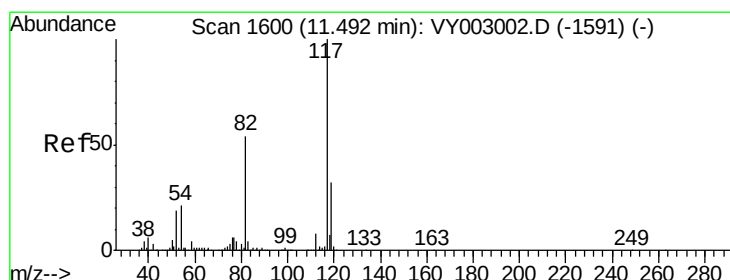
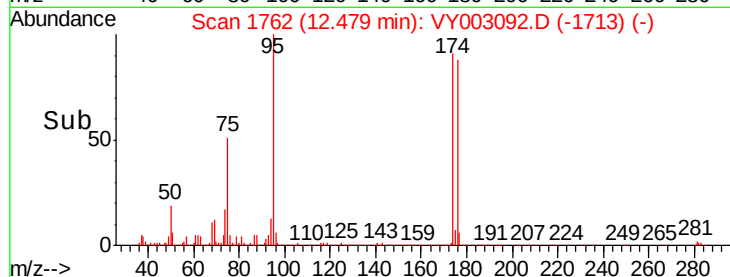
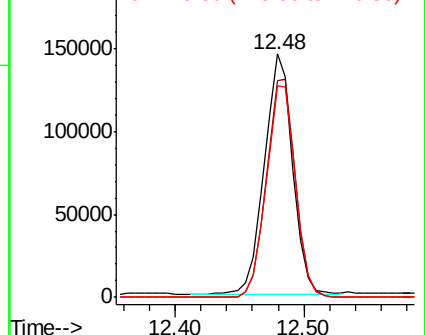


Abundance

Ion 94.90 (94.60 to 95.60): VY003092.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY003092.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY003092.D (-1752) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003092.D

Acq: 02 Jul 2020 17:58

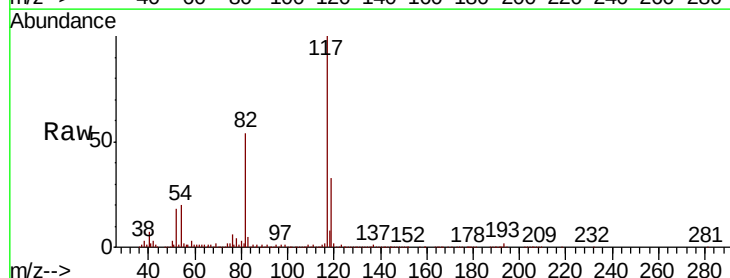
Tgt Ion: 117 Resp: 469853

Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.6

119 33.2 25.8 38.8

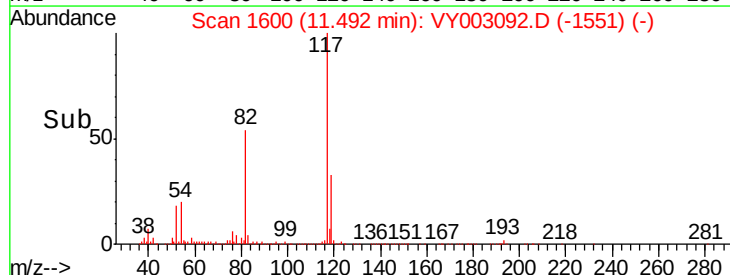
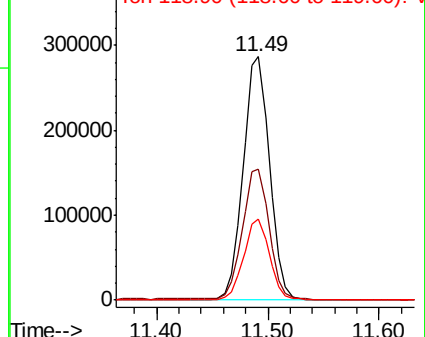


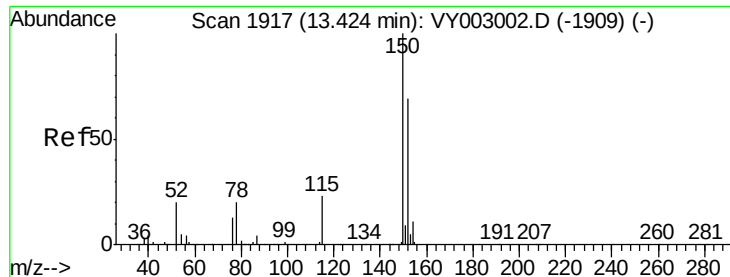
Abundance

Ion 116.90 (116.60 to 117.60): VY003092.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003092.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003092.D (-1551) (-)



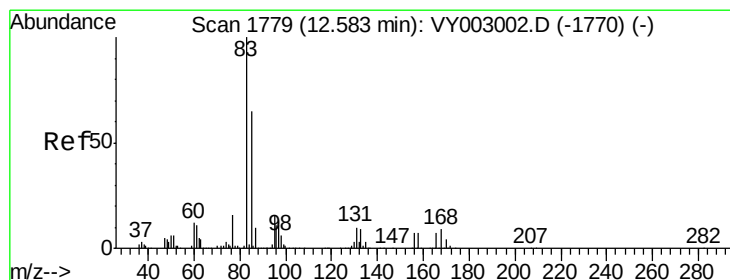
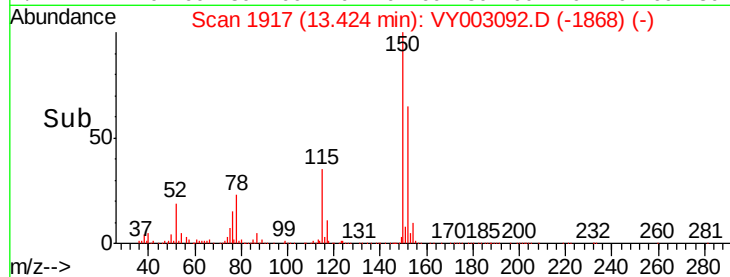
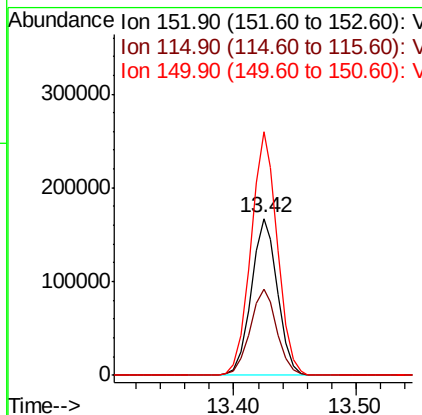
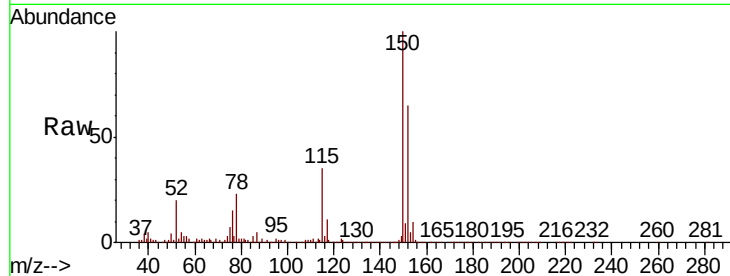


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003092.D
Acq: 02 Jul 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :
BP-MW180-SOIL-616-618

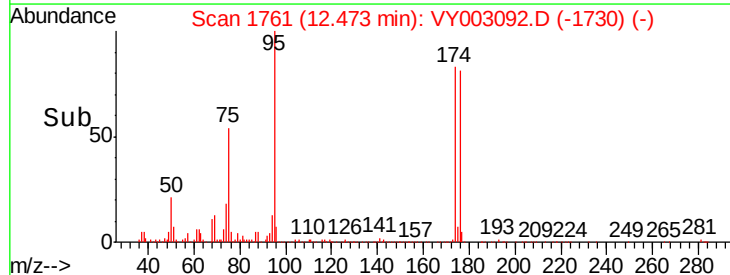
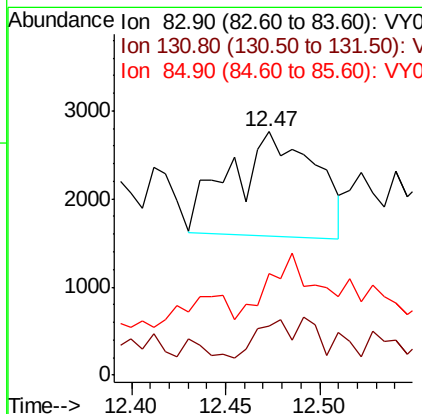
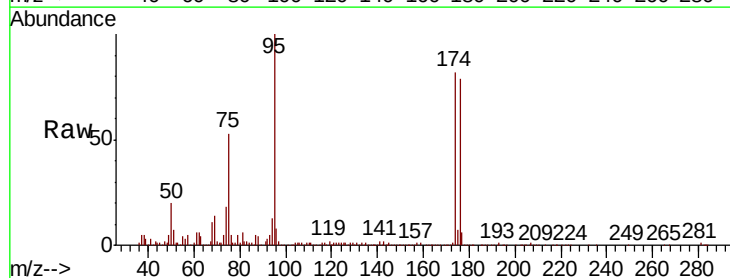
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.3	81.9
150	156.2	0.0	343.4

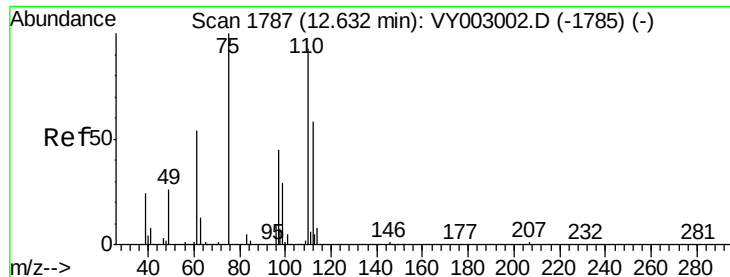


#75

1,1,2,2-Tetrachloroethane
Concen: 1.126 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.11 min
Lab File: VY003092.D
Acq: 02 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
83	100		
131	14.5	5.3	16.1
85	34.1	32.1	96.3





#76

1,2,3-Trichloropropane

Concen: 45.805 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003092.D

Acq: 02 Jul 2020 17:58

Instrument :

MSVOA_Y

ClientSampleId :

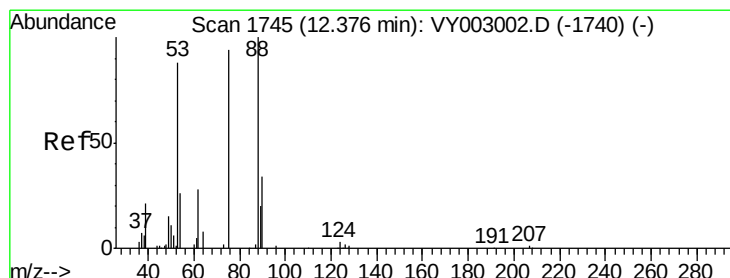
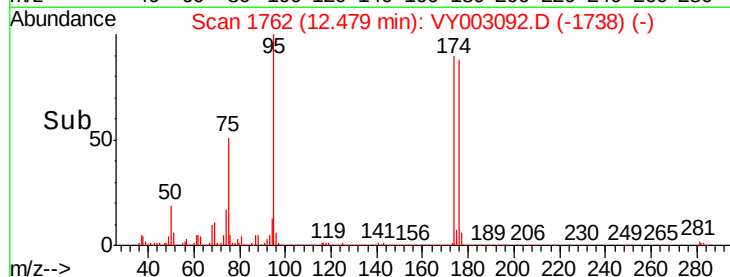
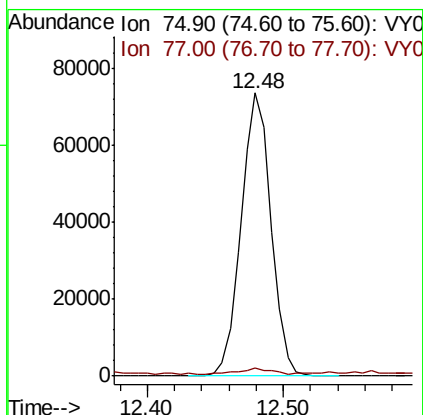
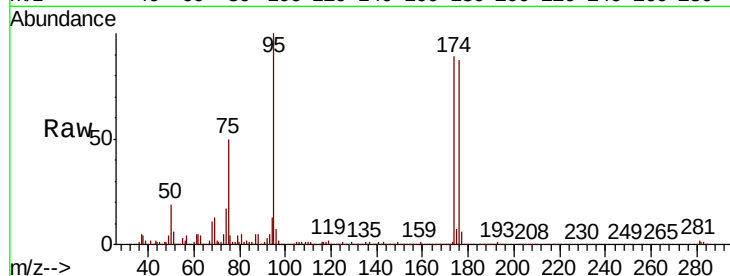
BP-MW180-SOIL-616-618

Tot Ion: 75 Resp: 112514

Ion Ratio Lower Upper

75 100

77 2.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.118 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003092.D

Acq: 02 Jul 2020 17:58

Tgt Ion: 75 Resp: 112514

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.3 37.5 56.3#

