

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070120\
 Data File : VY003061.D
 Acq On : 01 Jul 2020 16:12
 Operator : SY/MD
 Sample : L3164-02
 Misc : 7.72G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-SOIL-594-598

Quant Time: Jul 02 03:15:42 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	309468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	504436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	477921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	232286	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	173793	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	
35) Dibromofluoromethane	7.72	113	167240	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
50) Toluene-d8	10.18	98	604976	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.48	95	210896	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	

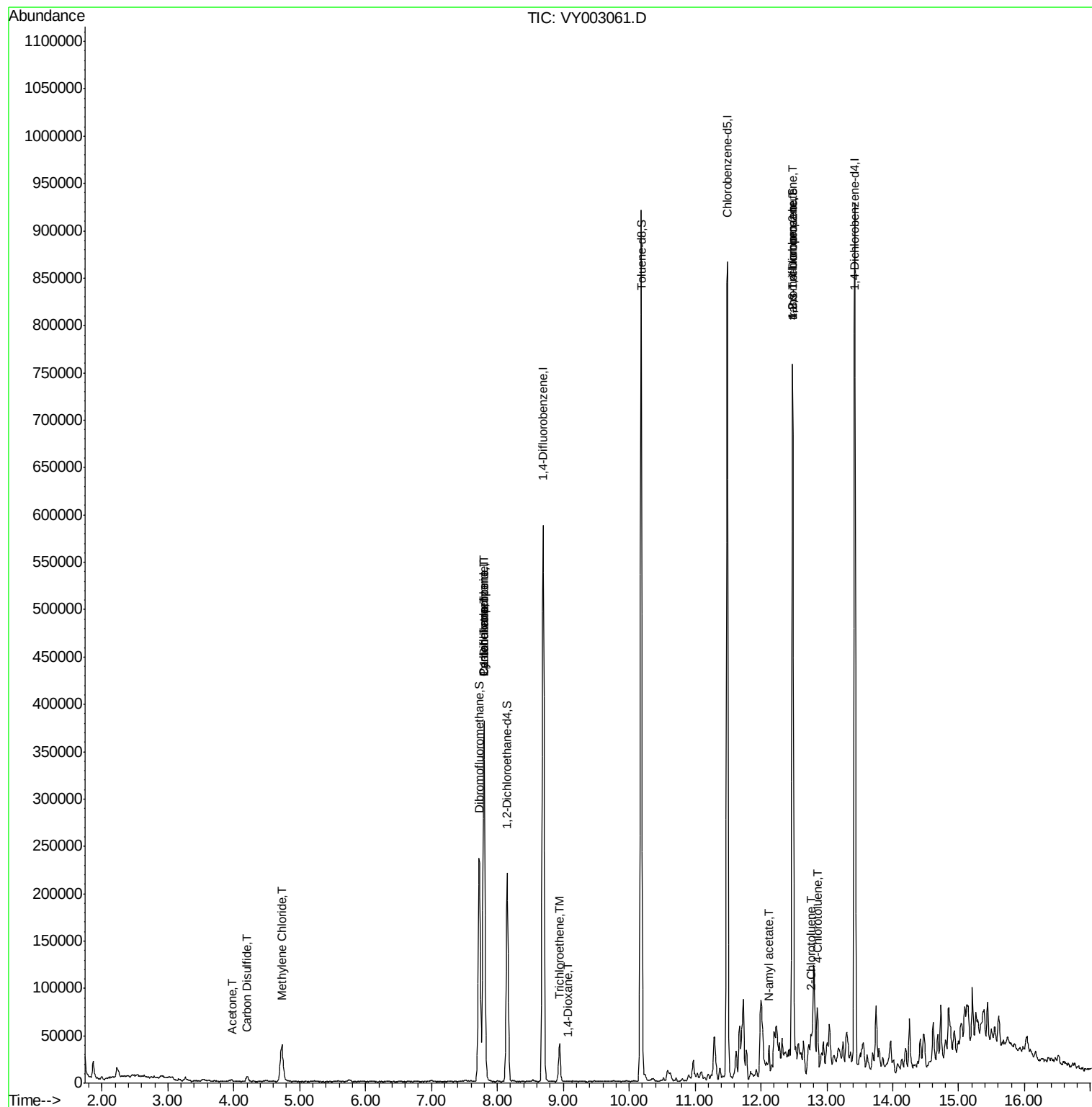
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	3268	4.508	ug/l #	87
17) Carbon Disulfide	4.20	76	11184	1.304	ug/l	98
20) Methylene Chloride	4.72	84	30105	2.714	ug/l	91
31) Cyclohexane	7.79	56	5432	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20698	4.260	ug/l #	51
38) Carbon Tetrachloride	7.80	117	27507	5.441	ug/l #	16
44) Trichloroethene	8.94	130	13935	3.604	ug/l	91
49) 1,4-Dioxane	9.08	88	48	1.967	ug/l #	18
74) N-amyl acetate	12.12	43	7767	1.569	ug/l #	48
76) 1,2,3-Trichloropropane	12.48	75	107631	46.818	ug/l #	100
79) 2-Chlorotoluene	12.75	91	11835	1.160	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.48	75	107631	91.088	ug/l #	13
82) 4-Chlorotoluene	12.85	91	20447	1.924	ug/l	99

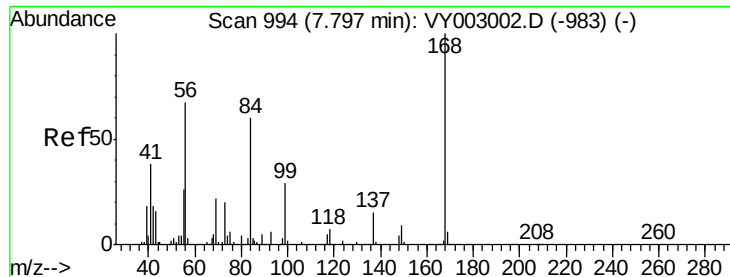
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003061.D

Acq: 01 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

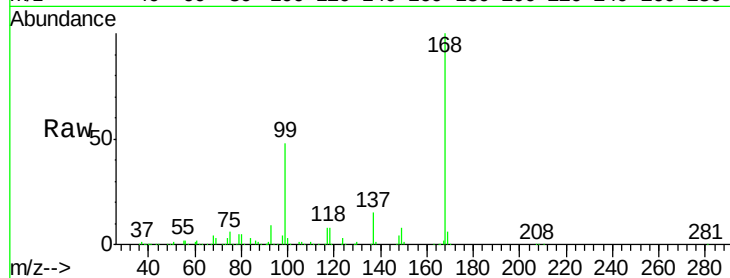
BP-MW180-SOIL-594-598

Tot Ion:168 Resp: 309468

Ion Ratio Lower Upper

168 100

99 48.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

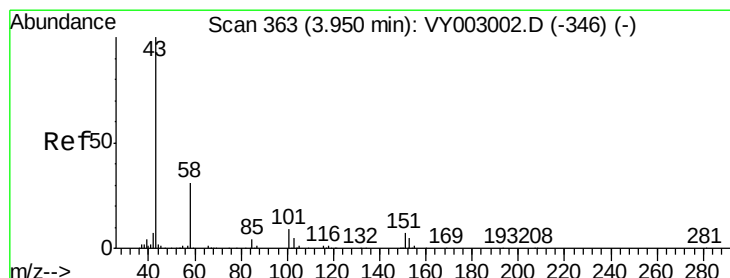
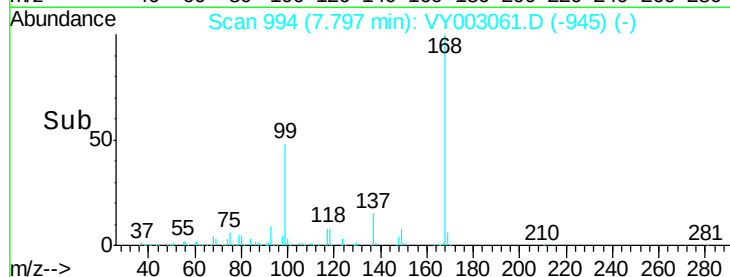
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.508 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY003061.D

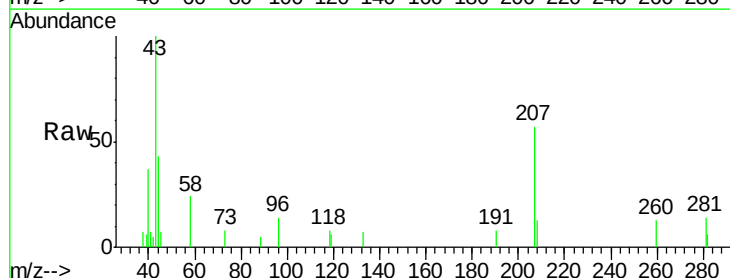
Acq: 01 Jul 2020 16:12

Tgt Ion: 43 Resp: 3268

Ion Ratio Lower Upper

43 100

58 23.7 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VY003002.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VY003002.D (-346) (-)

3.97

1200

1000

800

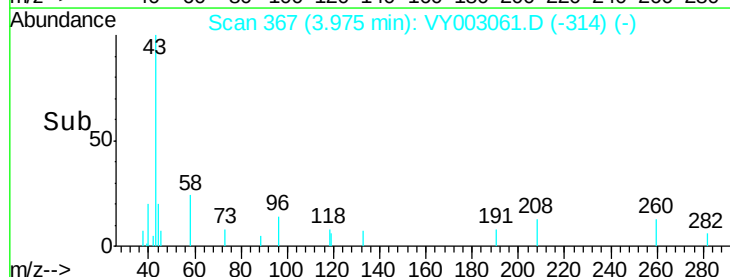
600

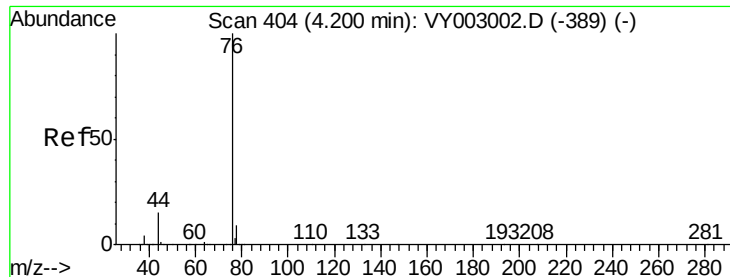
400

200

0

Time-->





#17

Carbon Disulfide

Concen: 1.304 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003061.D

Acq: 01 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

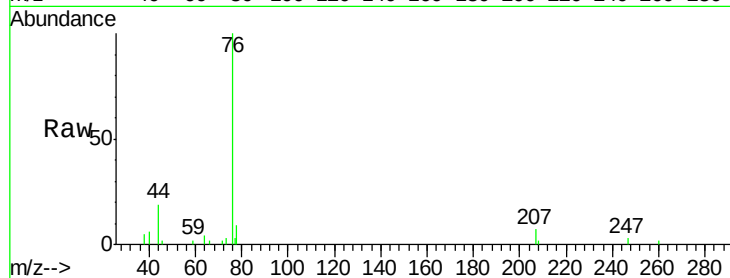
BP-MW180-SOIL-594-598

Tot Ion: 76 Resp: 11184

Ion Ratio Lower Upper

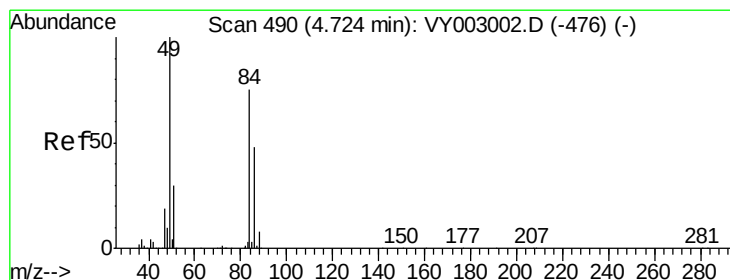
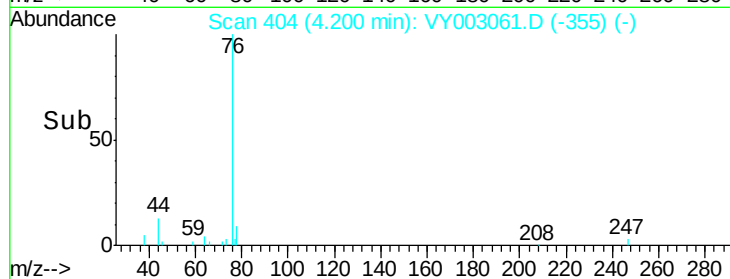
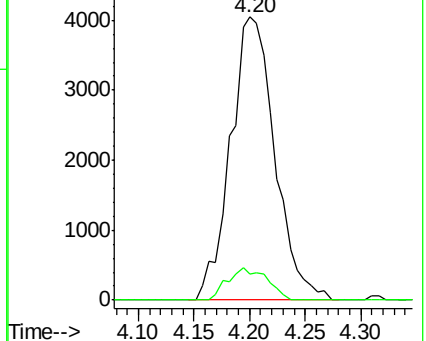
76 100

78 9.4 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: 2.714 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003061.D

Acq: 01 Jul 2020 16:12

Tgt Ion: 84 Resp: 30105

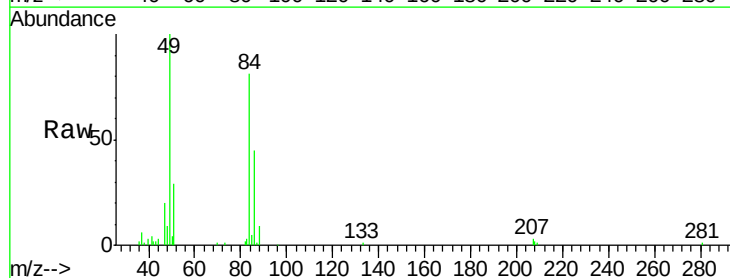
Ion Ratio Lower Upper

84 100

49 123.3 106.8 160.2

51 35.5 32.0 48.0

86 56.0 51.4 77.2

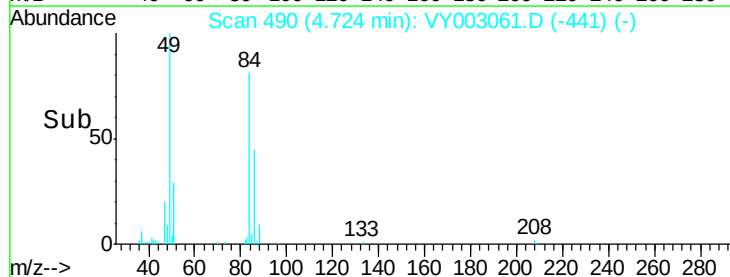
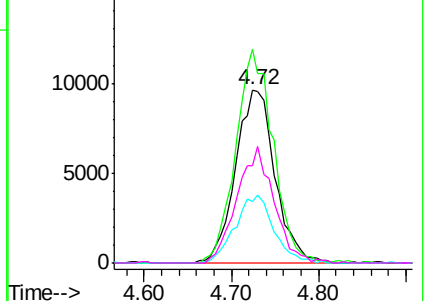


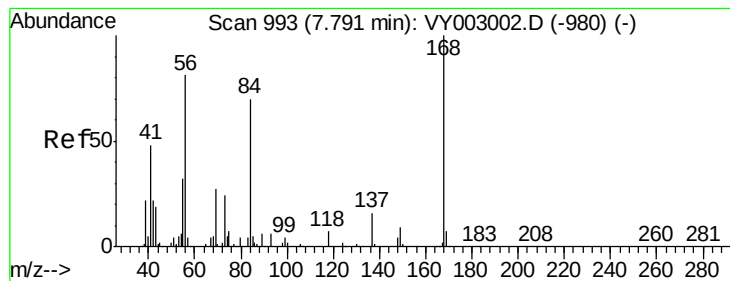
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#31

Cyclohexane

Concen: 1.005 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003061.D

Acq: 01 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-594-598

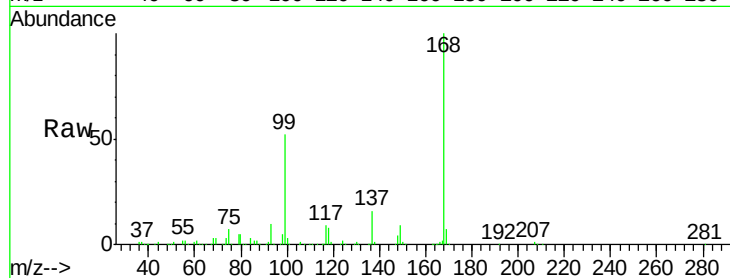
Tot Ion: 56 Resp: 5432

Ion Ratio Lower Upper

56 100

69 167.9 27.0 40.4#

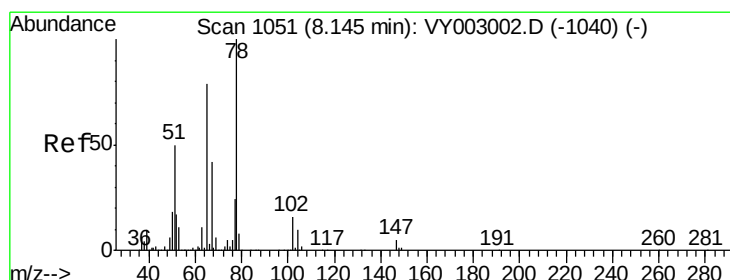
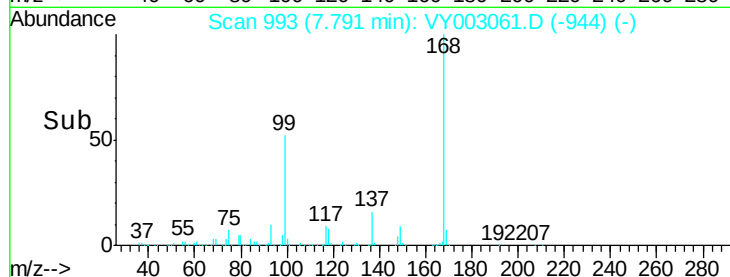
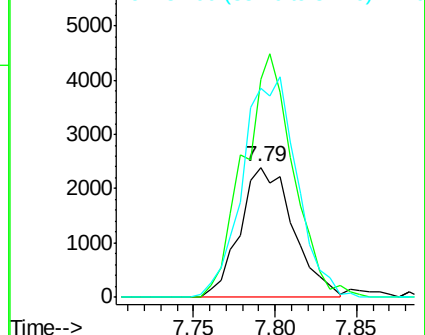
84 161.1 68.1 102.1#



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: 56.543 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003061.D

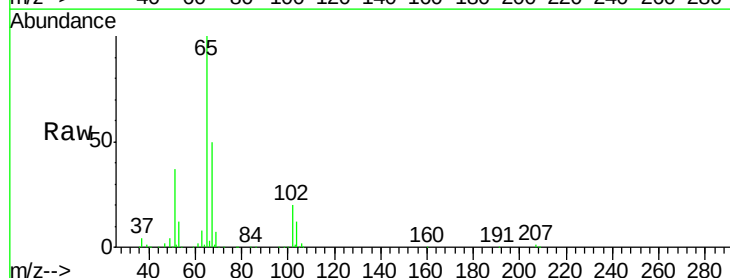
Acq: 01 Jul 2020 16:12

Tgt Ion: 65 Resp: 173793

Ion Ratio Lower Upper

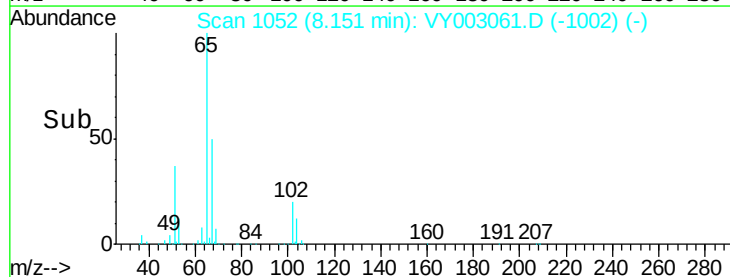
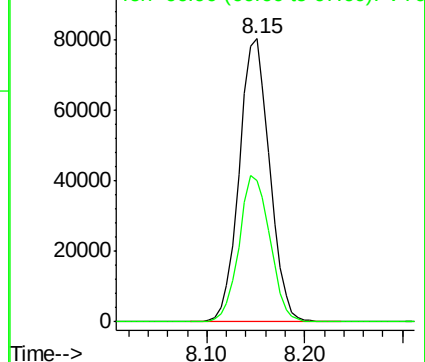
65 100

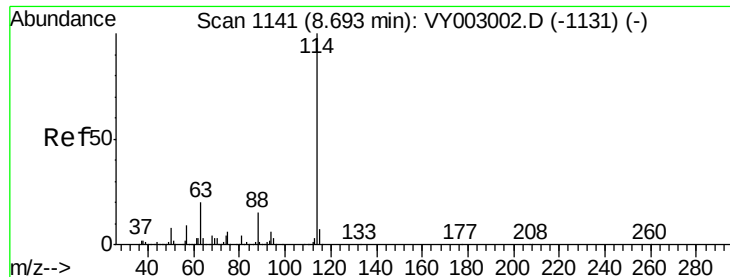
67 52.5 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

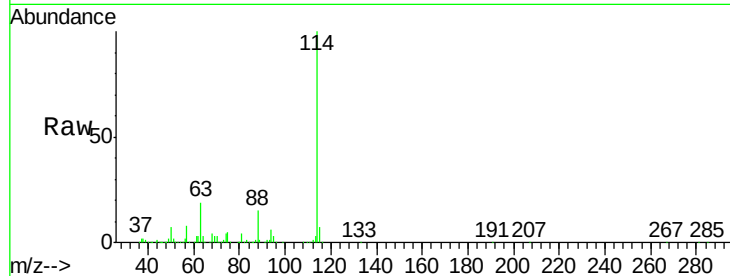




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003061.D
 Acq: 01 Jul 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-SOIL-594-598

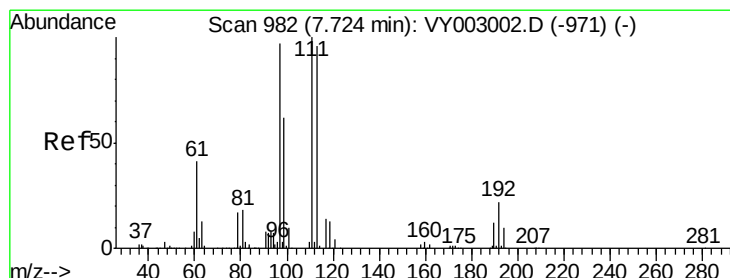
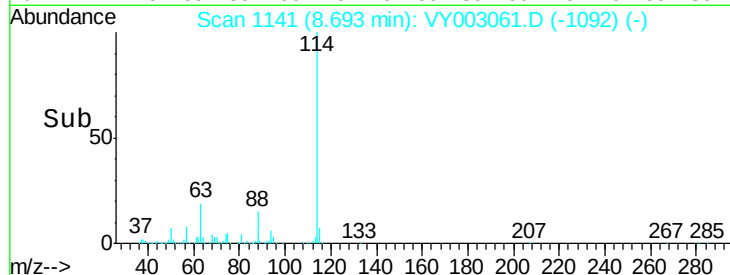
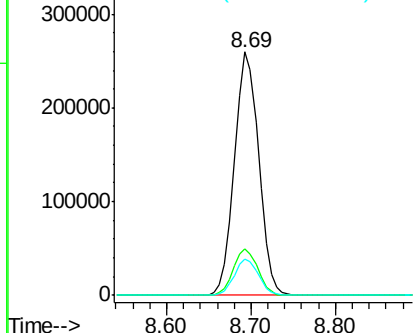
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	40.6
88	14.7	0.0	30.0



Abundance Ion 113.90 (113.60 to 114.60): V

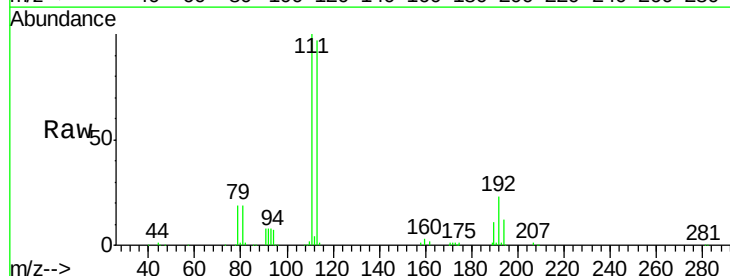
Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35
 Dibromofluoromethane
 Concen: 53.147 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003061.D
 Acq: 01 Jul 2020 16:12

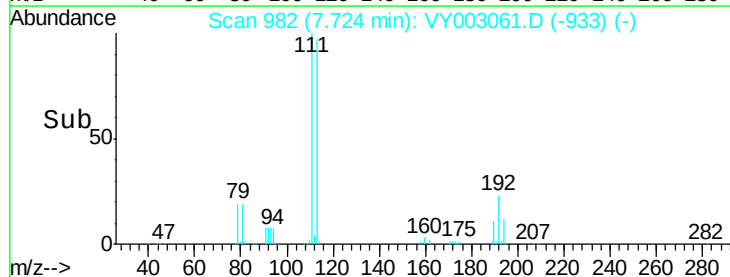
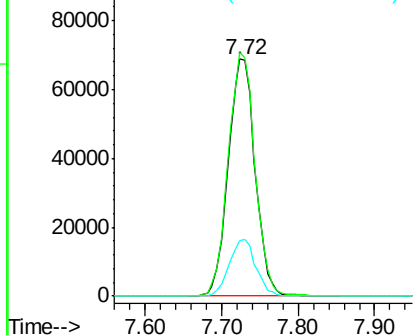
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	23.5	18.1	27.1

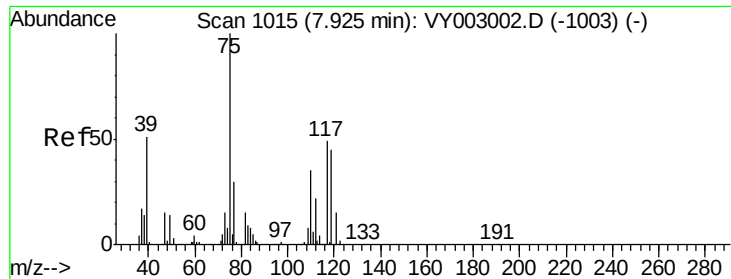


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.260 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003061.D

Acq: 01 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-594-598

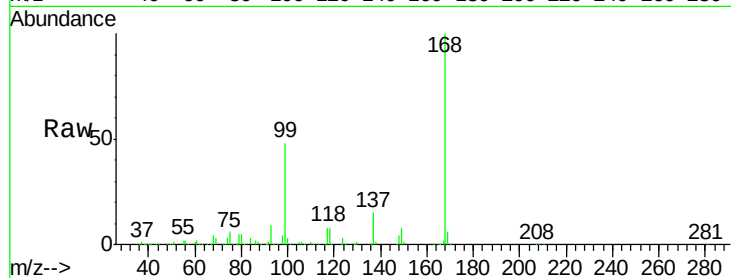
Tot Ion: 75 Resp: 20698

Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.2#

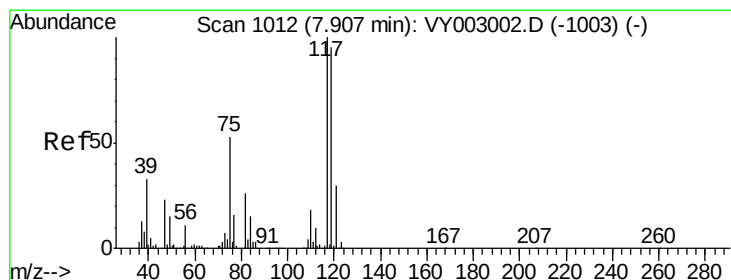
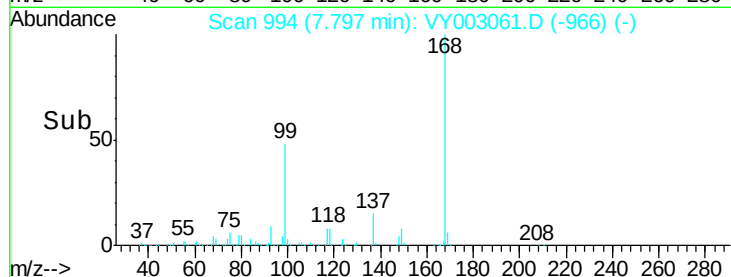
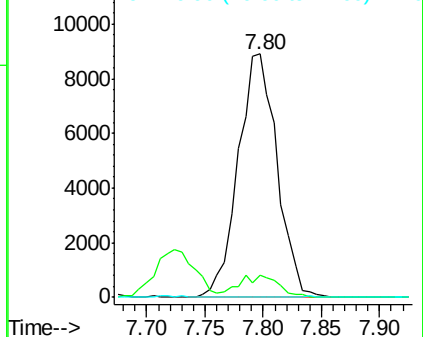
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#38

Carbon Tetrachloride

Concen: 5.441 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003061.D

Acq: 01 Jul 2020 16:12

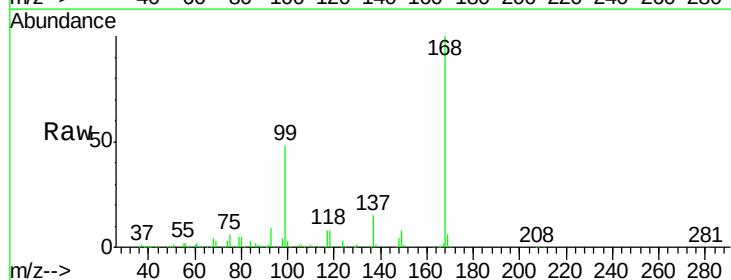
Tgt Ion: 117 Resp: 27507

Ion Ratio Lower Upper

117 100

119 4.5 75.7 113.5#

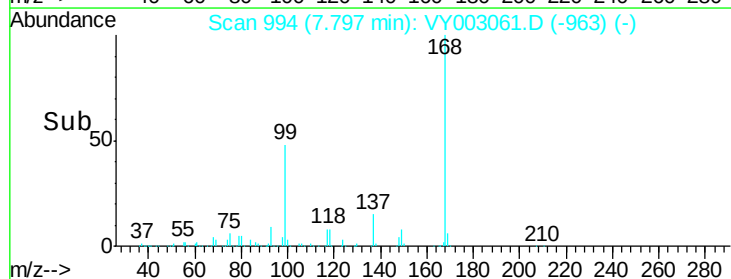
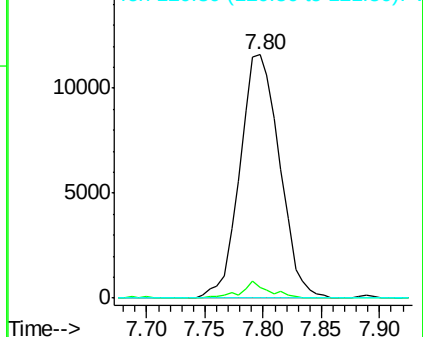
121 0.0 23.9 35.9#

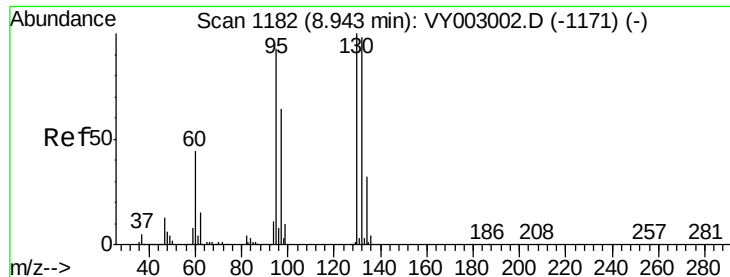


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 3.604 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY003061.D

Acq: 01 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

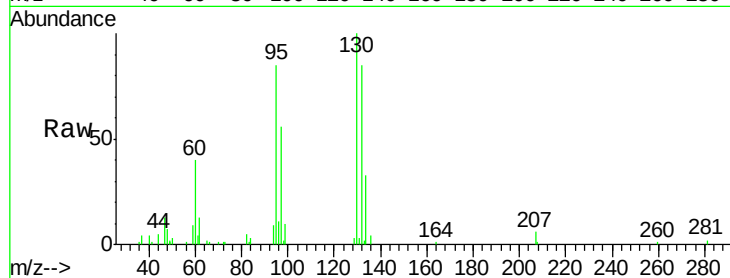
BP-MW180-SOIL-594-598

Tot Ion:130 Resp: 13935

Ion Ratio Lower Upper

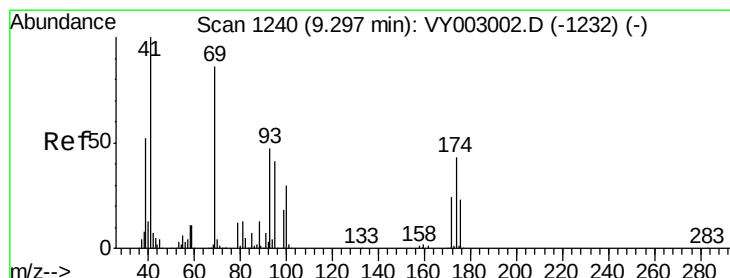
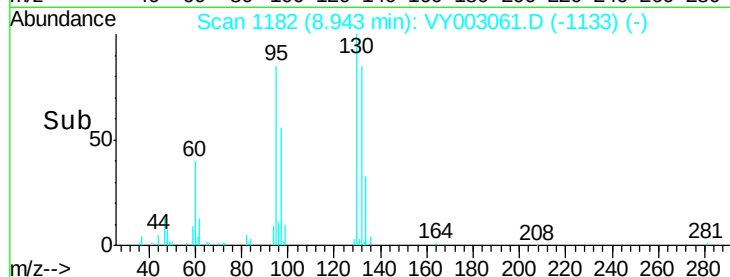
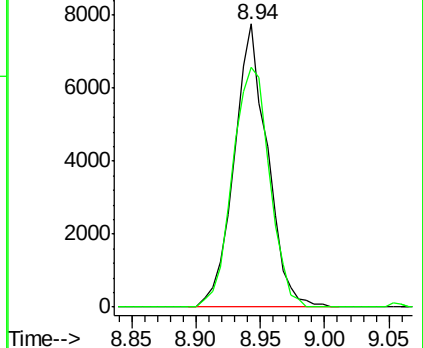
130 100

95 84.7 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VY0



#49

1,4-Dioxane

Concen: 1.967 ug/l

RT: 9.08 min Scan# 1204

Delta R.T. -0.22 min

Lab File: VY003061.D

Acq: 01 Jul 2020 16:12

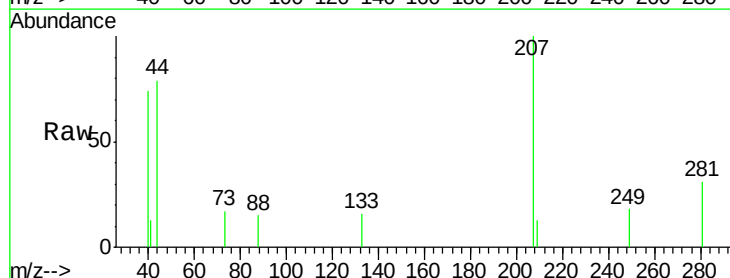
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 79.2 28.6 42.8#

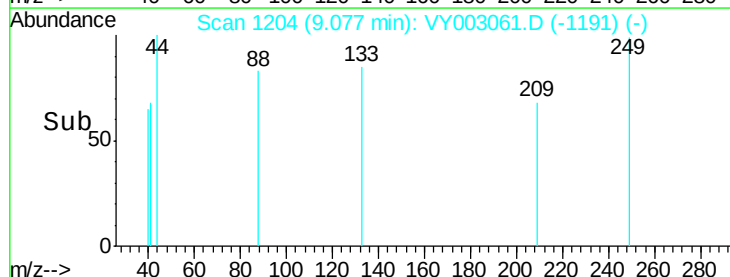
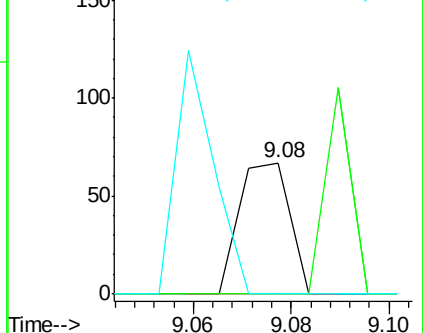
58 0.0 56.7 85.1#

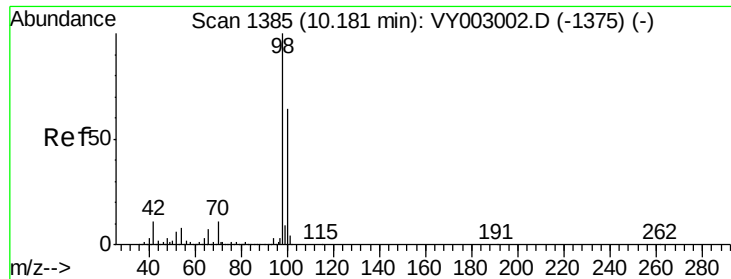


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.606 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003061.D

Acq: 01 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

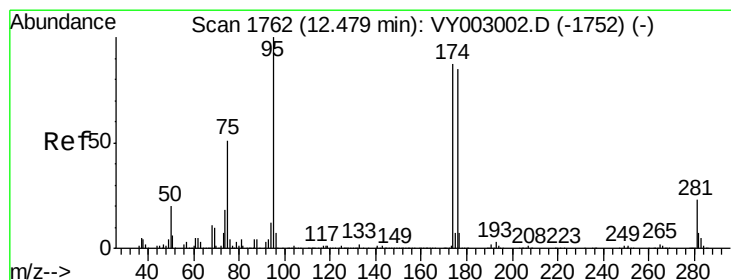
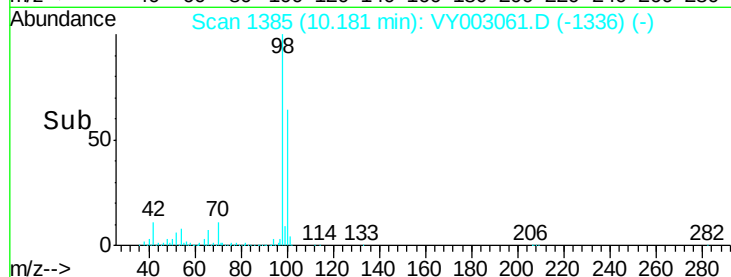
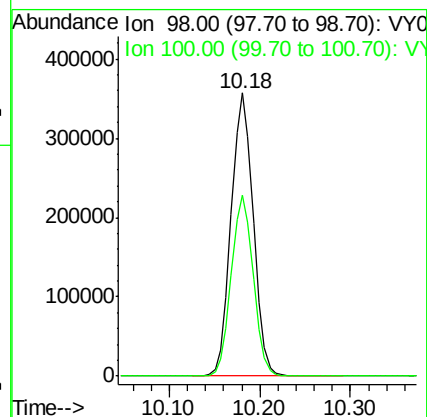
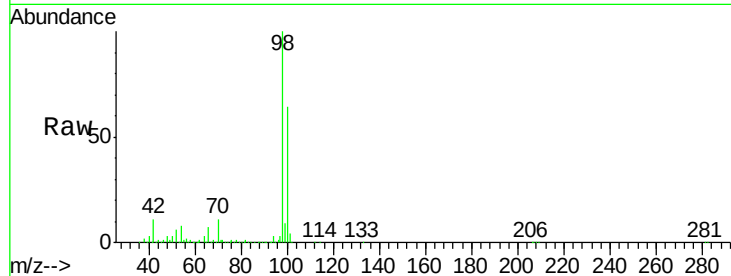
BP-MW180-SOIL-594-598

Tot Ion: 98 Resp: 604976

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 51.107 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003061.D

Acq: 01 Jul 2020 16:12

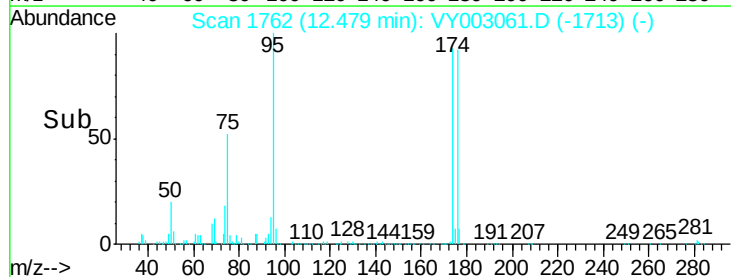
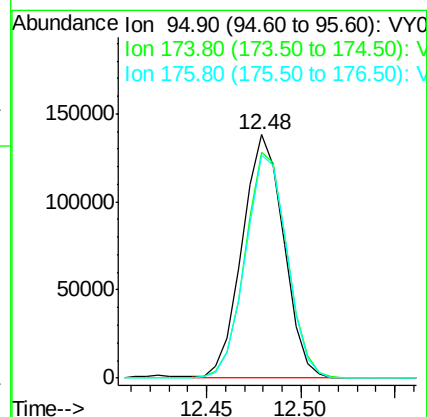
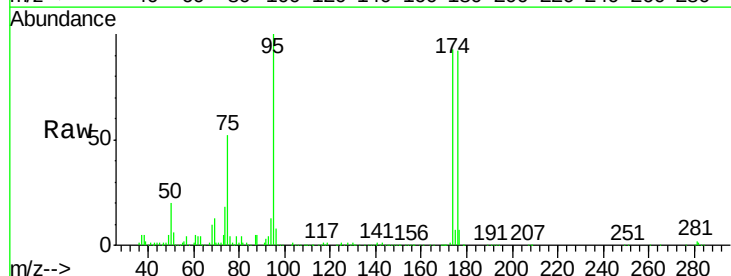
Tgt Ion: 95 Resp: 210896

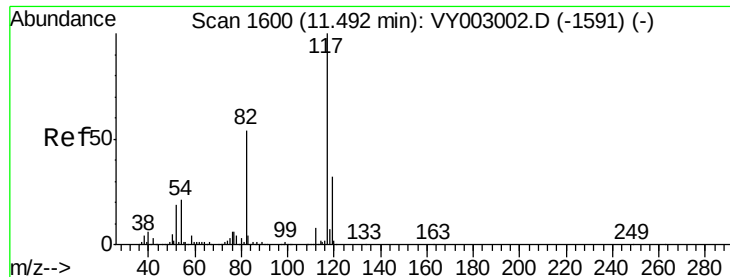
Ion Ratio Lower Upper

95 100

174 93.7 0.0 184.8

176 92.3 0.0 183.0

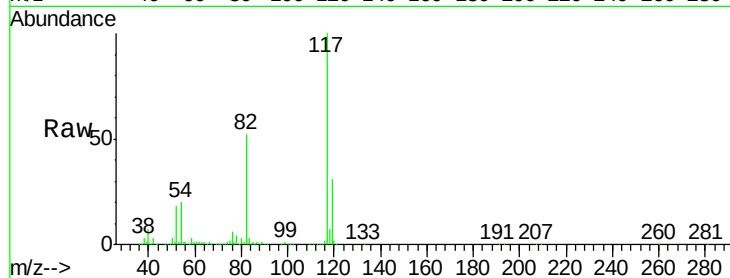




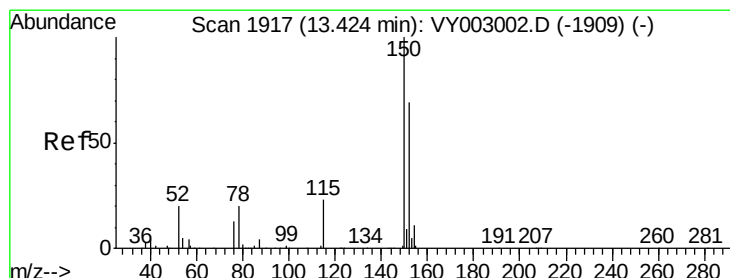
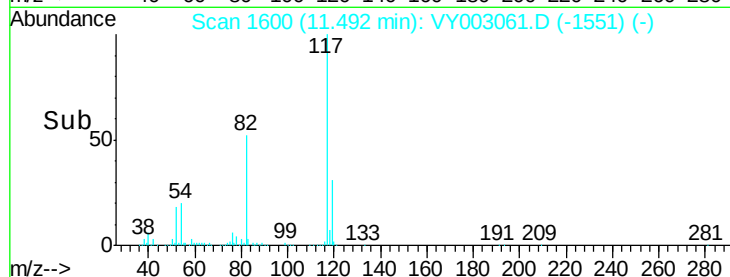
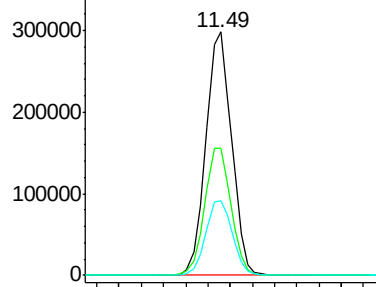
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003061.D
Acq: 01 Jul 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
BP-MW180-SOIL-594-598

Tot Ion:117 Resp: 477921
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.6
119 30.9 25.8 38.8

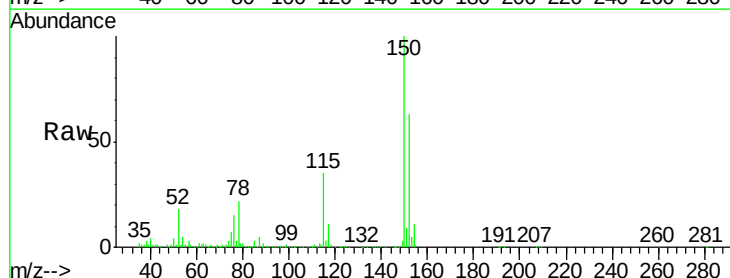


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

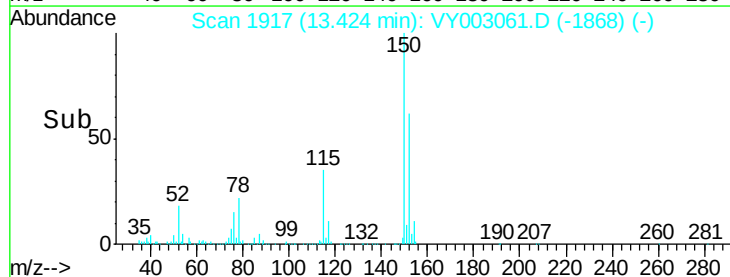
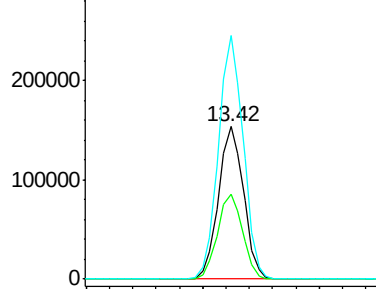


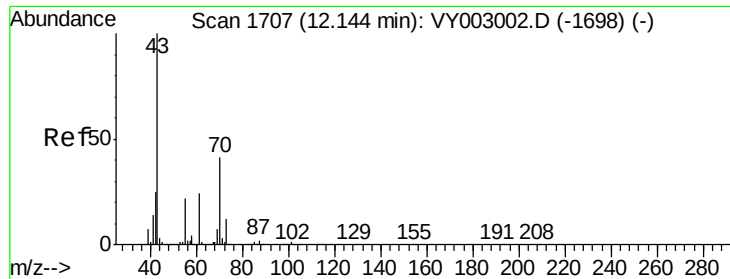
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003061.D
Acq: 01 Jul 2020 16:12

Tgt Ion:152 Resp: 232286
Ion Ratio Lower Upper
152 100
115 55.3 27.3 81.9
150 157.2 0.0 343.4



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





#74

N-amvl acetate

Concen: 1.569 ug/l

RT: 12.12 min Scan# 1703

Delta R.T. -0.02 min

Lab File: VY003061.D

Acq: 01 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-594-598

Tot Ion: 43 Resp: 7767

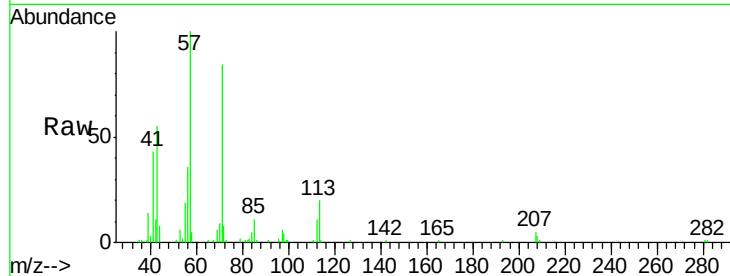
Ion Ratio Lower Upper

43 100

70 5.8 33.0 49.4#

55 0.0 18.2 27.2#

61 0.0 19.4 29.2#

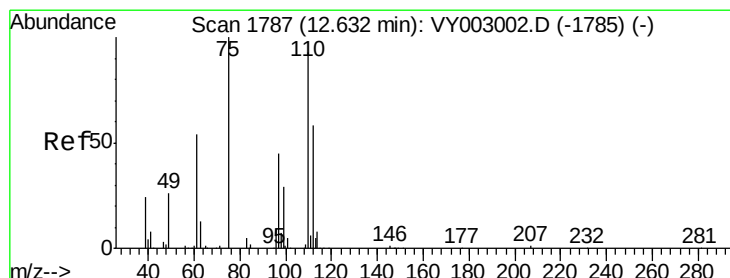
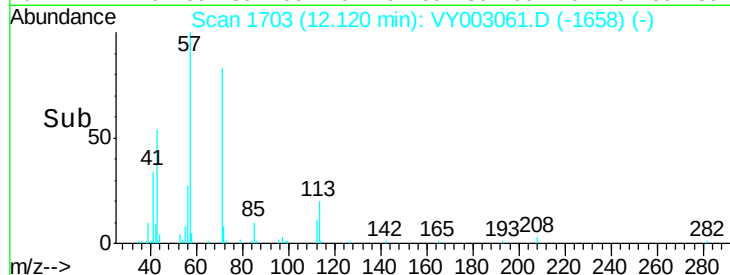
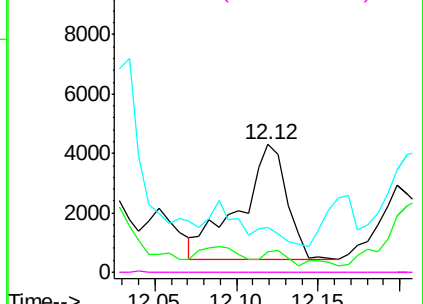


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 46.818 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003061.D

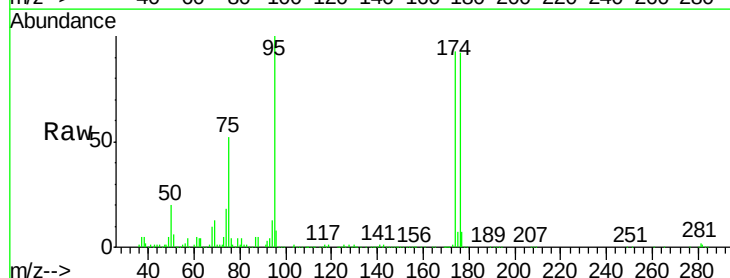
Acq: 01 Jul 2020 16:12

Tgt Ion: 75 Resp: 107631

Ion Ratio Lower Upper

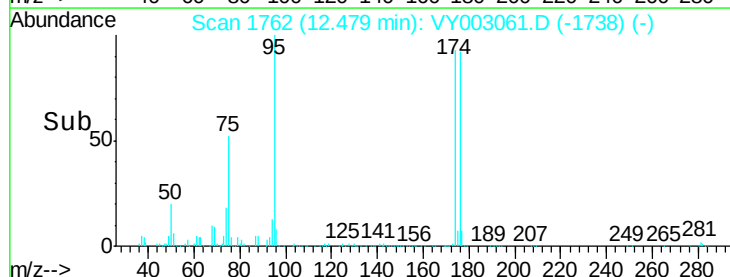
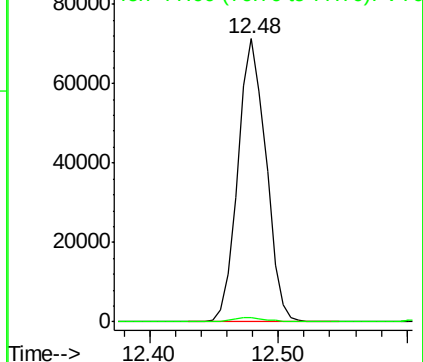
75 100

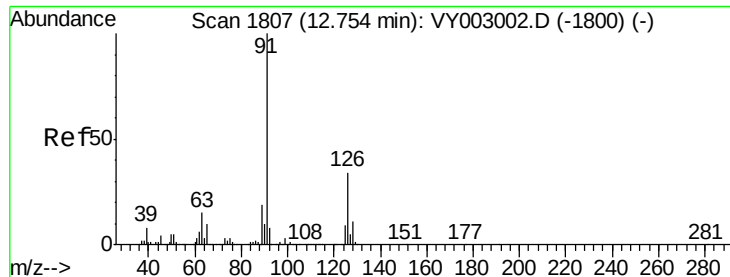
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#79

2-Chlorotoluene

Concen: 1.160 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003061.D

Acq: 01 Jul 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

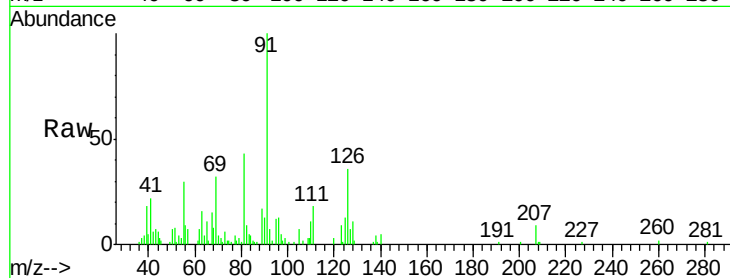
BP-MW180-SOIL-594-598

Tot Ion: 91 Resp: 11835

Ion Ratio Lower Upper

91 100

126 36.4 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY003002.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY003002.D (-1800) (-)

12.75

8000

6000

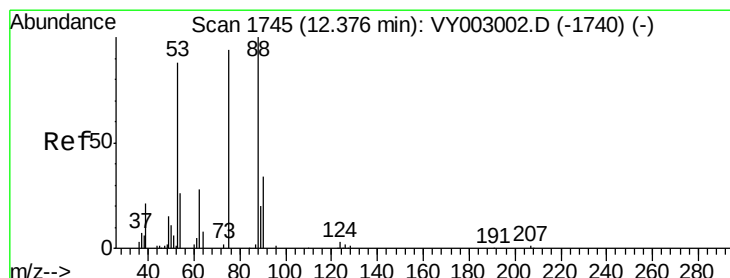
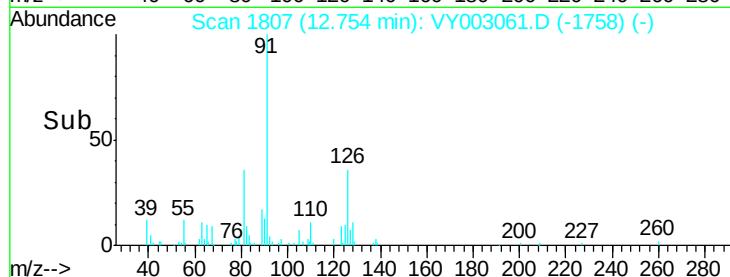
4000

2000

0

12.70 12.75 12.80

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 91.088 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003061.D

Acq: 01 Jul 2020 16:12

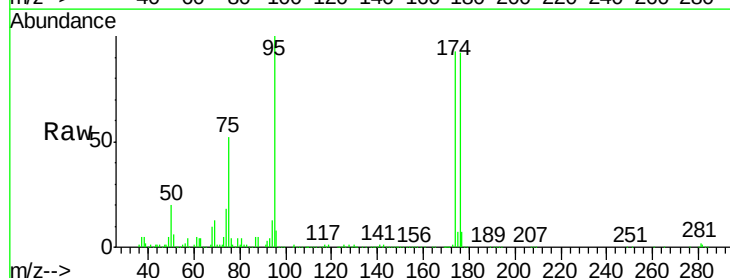
Tgt Ion: 75 Resp: 107631

Ion Ratio Lower Upper

75 100

53 0.5 73.9 110.9#

89 0.0 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VY003002.D (-1740) (-)

Ion 53.00 (52.70 to 53.70): VY003002.D (-1740) (-)

Ion 88.90 (88.60 to 89.60): VY003002.D (-1740) (-)

12.48

80000

60000

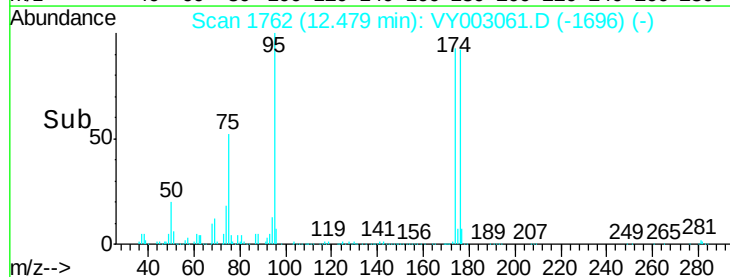
40000

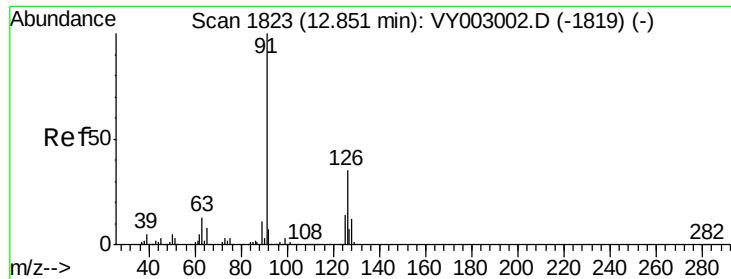
20000

0

12.40 12.50

Time-->





#82
 4-Chlorotoluene
 Concen: 1.924 ug/l
 RT: 12.85 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: VY003061.D
 Acq: 01 Jul 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-SOIL-594-598

Tot Ion: 91 Resp: 20447
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.4 52.3

