

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070120\
 Data File : VY003060.D
 Acq On : 01 Jul 2020 15:48
 Operator : SY/MD
 Sample : L3164-01
 Misc : 7.74G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-SOIL-590-594

Quant Time: Jul 02 03:14:46 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	301034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	483563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	458335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	237132	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	167674	56.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.16%	
35) Dibromofluoromethane	7.72	113	157196	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	10.18	98	582557	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.48	95	207171	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds

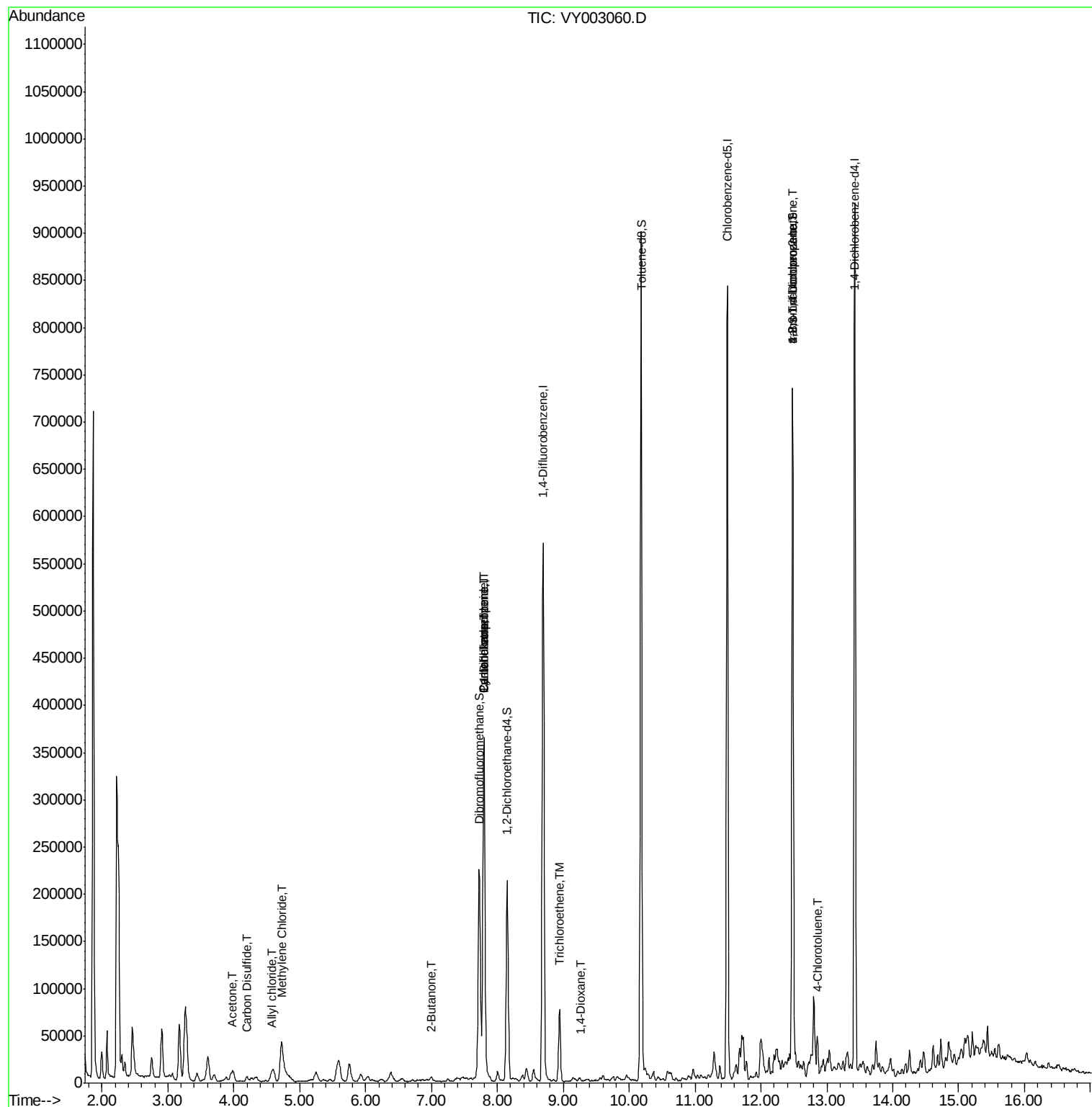
					Qvalue	
14) Allyl chloride	4.57	41	7541	1.654	ug/l #	52
16) Acetone	3.96	43	13093	18.568	ug/l #	87
17) Carbon Disulfide	4.21	76	9681	1.160	ug/l	99
20) Methylene Chloride	4.72	84	30465	3.150	ug/l	96
25) 2-Butanone	7.00	43	5606	5.005	ug/l #	72
31) Cyclohexane	7.79	56	6479	1.232	ug/l #	11
36) 1,1-Dichloropropene	7.79	75	20231	4.343	ug/l #	51
38) Carbon Tetrachloride	7.80	117	27301	5.633	ug/l #	16
44) Trichloroethene	8.94	130	25947	7.001	ug/l	91
49) 1,4-Dioxane	9.27	88	42	1.796	ug/l #	22
76) 1,2,3-Trichloropropane	12.48	75	107073	45.623	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	107073	88.764	ug/l #	12
82) 4-Chlorotoluene	12.85	91	12639	1.165	ug/l	100

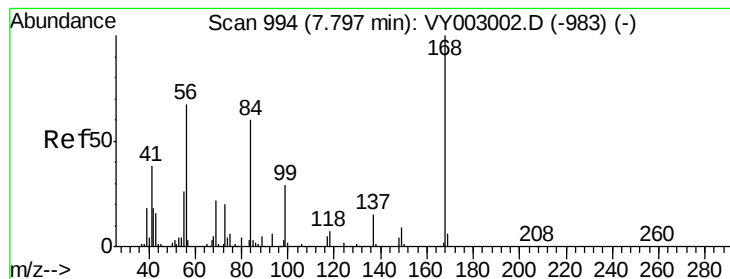
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
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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: VY003060.D

Acq: 01 Jul 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

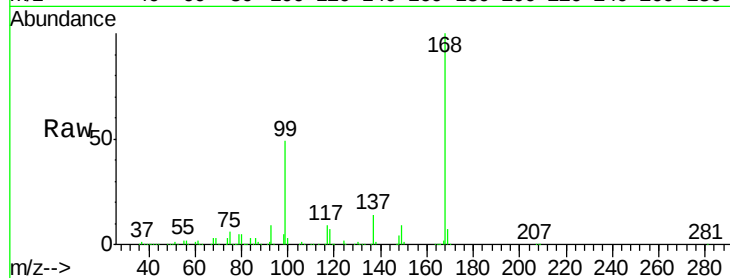
BP-MW180-SOIL-590-594

Tot Ion:168 Resp: 301034

Ion Ratio Lower Upper

168 100

99 49.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003060.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003060.D (-945) (-)

7.80

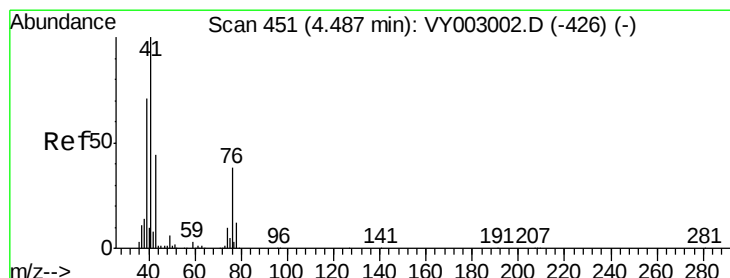
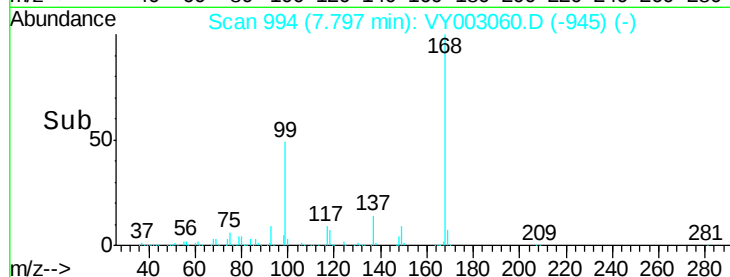
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 1.654 ug/l

RT: 4.57 min Scan# 464

Delta R.T. 0.08 min

Lab File: VY003060.D

Acq: 01 Jul 2020 15:48

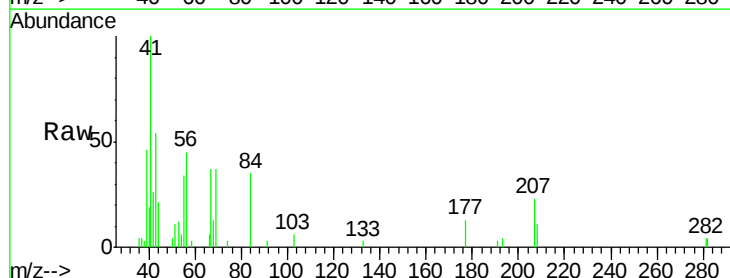
Tgt Ion: 41 Resp: 7541

Ion Ratio Lower Upper

41 100

39 35.2 55.6 83.4#

76 0.0 28.6 43.0#



Abundance Ion 41.00 (40.70 to 41.70): VY003060.D (-402) (-)

Ion 39.00 (38.70 to 39.70): VY003060.D (-402) (-)

Ion 75.90 (75.60 to 76.60): VY003060.D (-402) (-)

4.57

2000

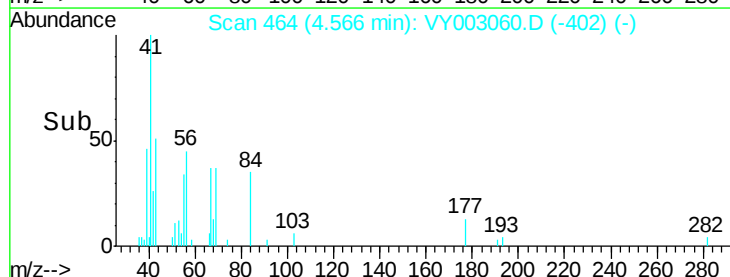
1500

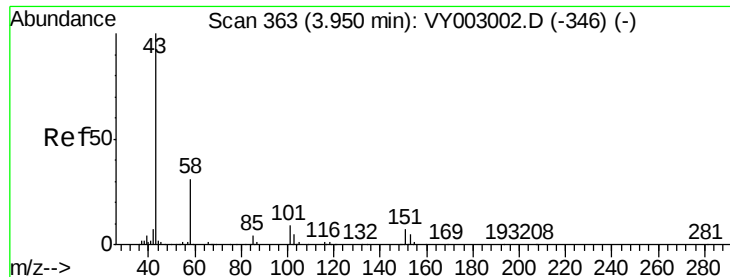
1000

500

0

Time-->





#16

Acetone

Concen: 18.568 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003060.D

Acq: 01 Jul 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

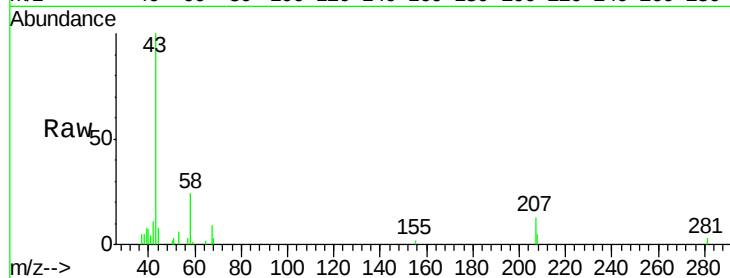
BP-MW180-SOIL-590-594

Tot Ion: 43 Resp: 13093

Ion Ratio Lower Upper

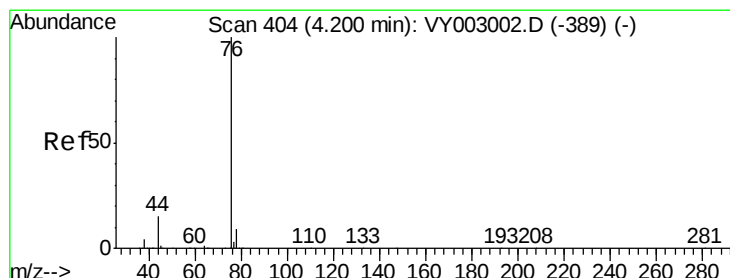
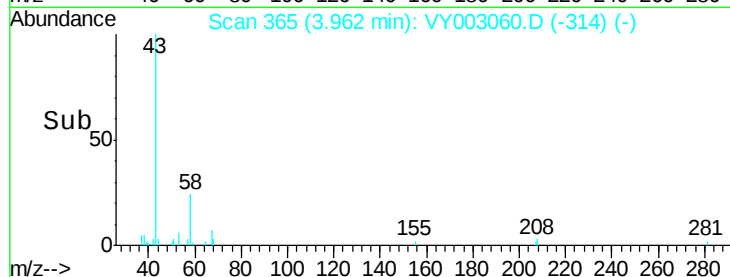
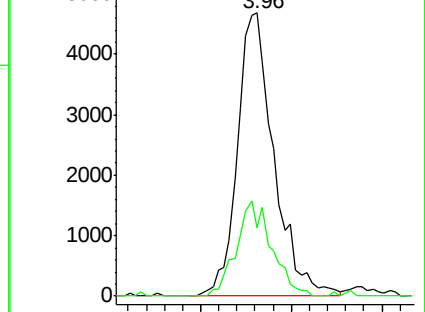
43 100

58 24.0 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) (-)



#17

Carbon Disulfide

Concen: 1.160 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY003060.D

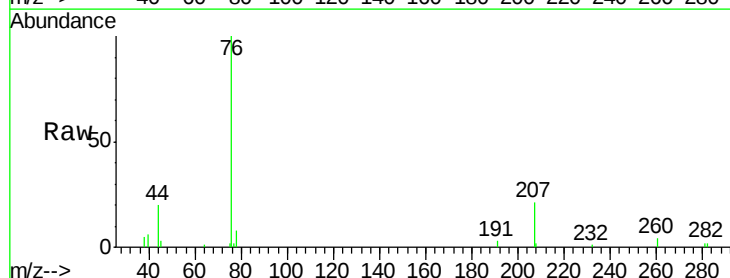
Acq: 01 Jul 2020 15:48

Tgt Ion: 76 Resp: 9681

Ion Ratio Lower Upper

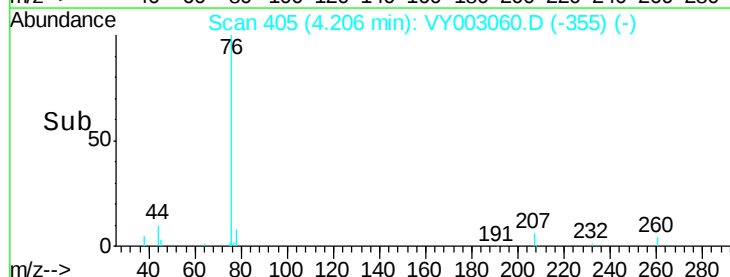
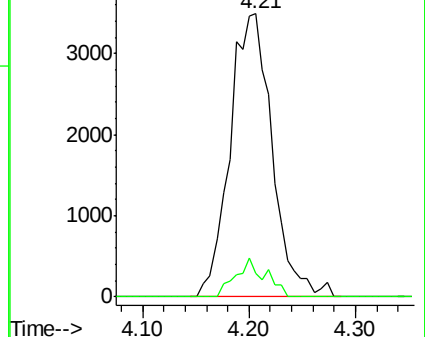
76 100

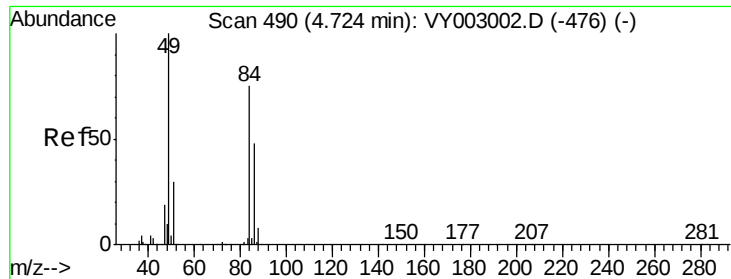
78 8.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY003002.D (-389) (-)

Ion 77.90 (77.60 to 78.60): VY003002.D (-389) (-)

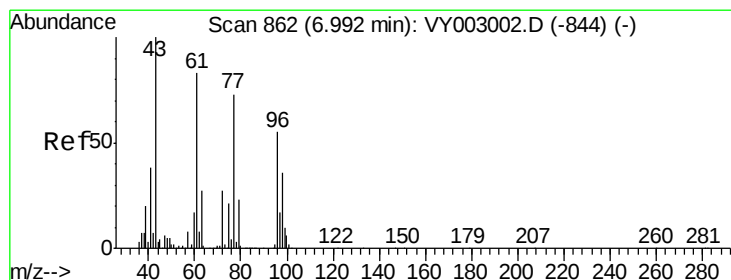
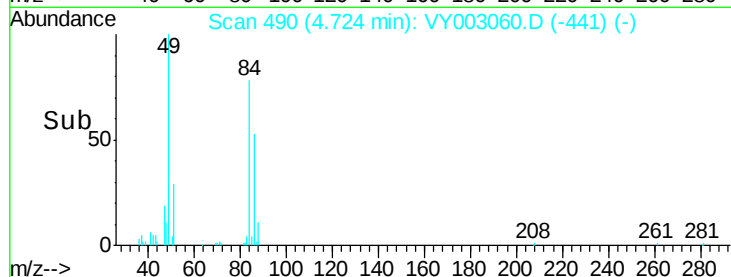
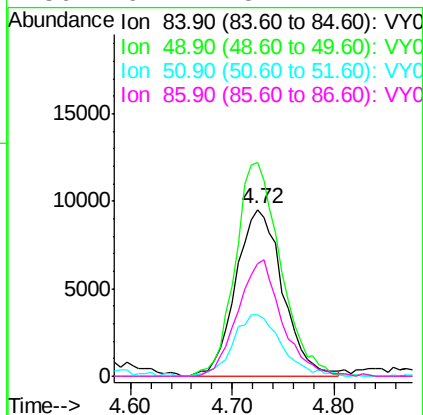
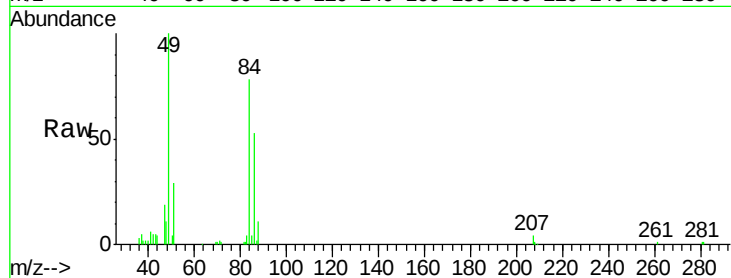




#20
Methvlene Chloride
Concen: 3.150 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003060.D
Acq: 01 Jul 2020 15:48

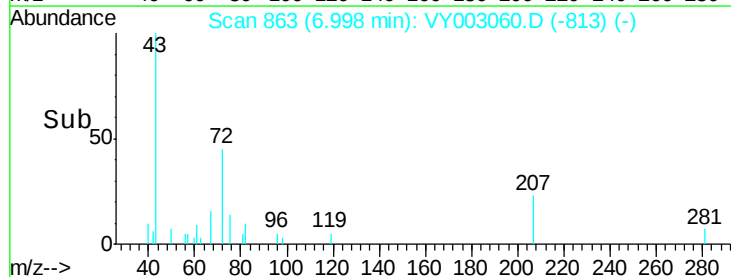
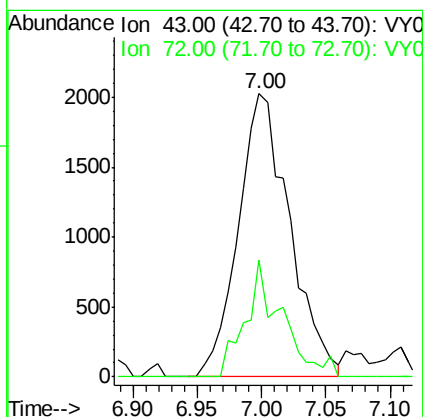
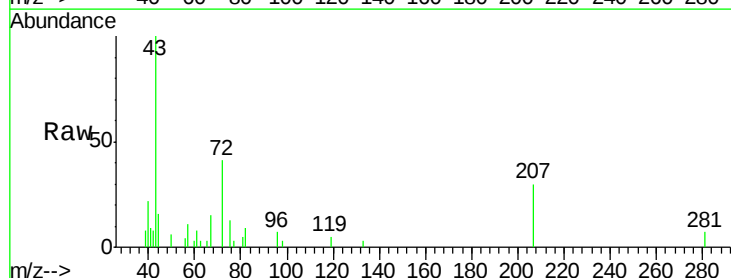
Instrument :
MSVOA_Y
ClientSampleId :
BP-MW180-SOIL-590-594

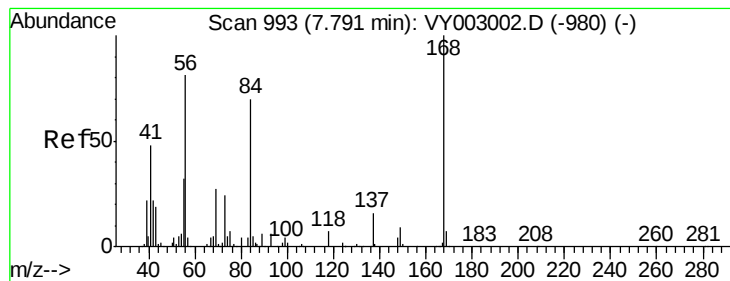
Tot Ion: 84 Resp: 30465
Ion Ratio Lower Upper
84 100
49 128.0 106.8 160.2
51 36.9 32.0 48.0
86 67.2 51.4 77.2



#25
2-Butanone
Concen: 5.005 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003060.D
Acq: 01 Jul 2020 15:48

Tgt Ion: 43 Resp: 5606
Ion Ratio Lower Upper
43 100
72 41.3 21.4 32.0#





#31

Cyclohexane

Concen: 1.232 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003060.D

Acq: 01 Jul 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-590-594

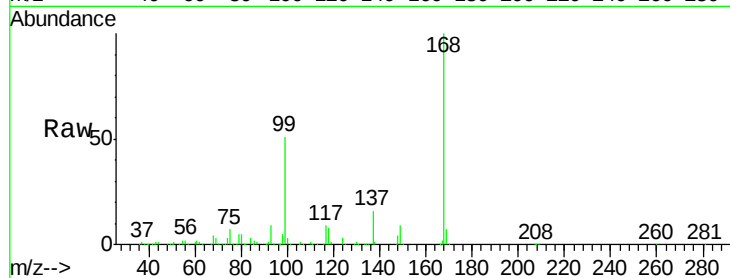
Tot Ion: 56 Resp: 6479

Ion Ratio Lower Upper

56 100

69 143.2 27.0 40.4#

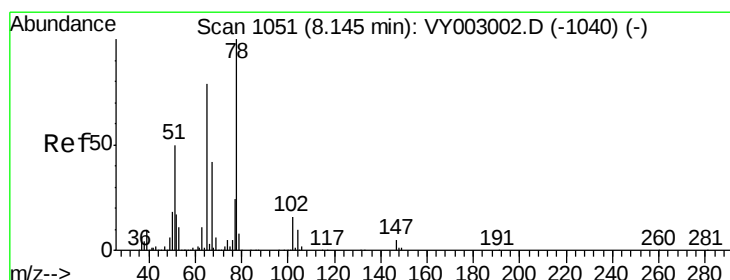
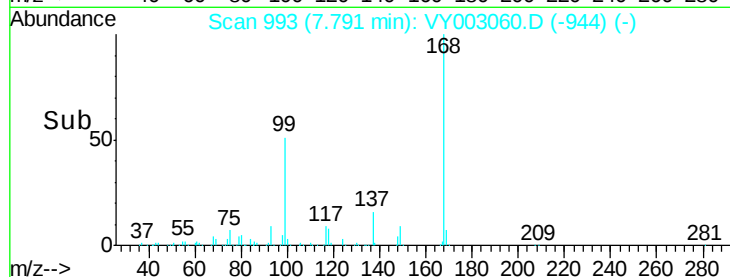
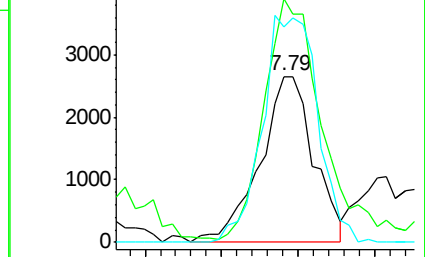
84 129.4 68.1 102.1#



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: 56.081 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003060.D

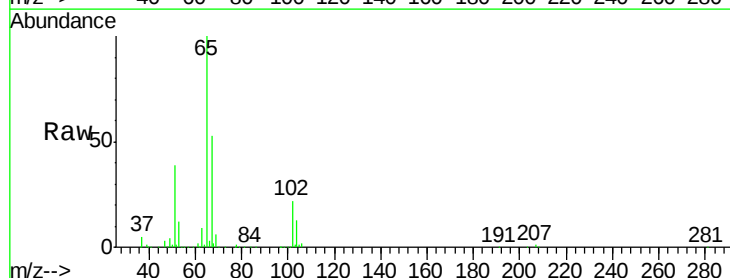
Acq: 01 Jul 2020 15:48

Tgt Ion: 65 Resp: 167674

Ion Ratio Lower Upper

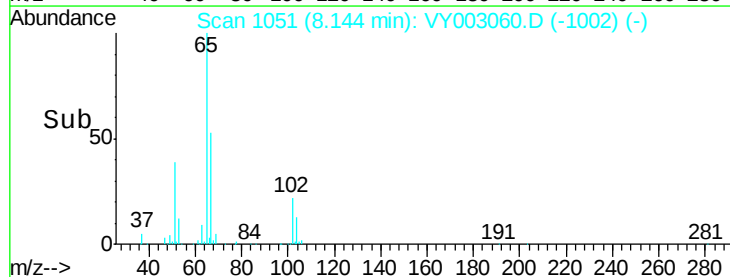
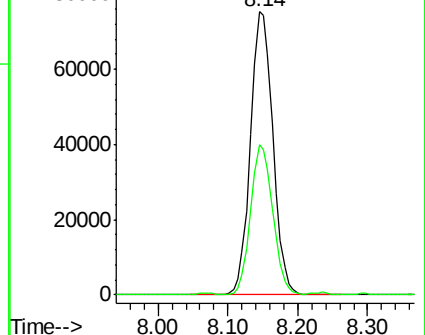
65 100

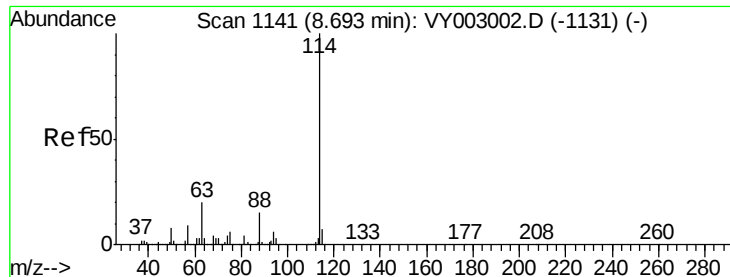
67 51.9 0.0 105.6



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: VY003060.D

Acq: 01 Jul 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-590-594

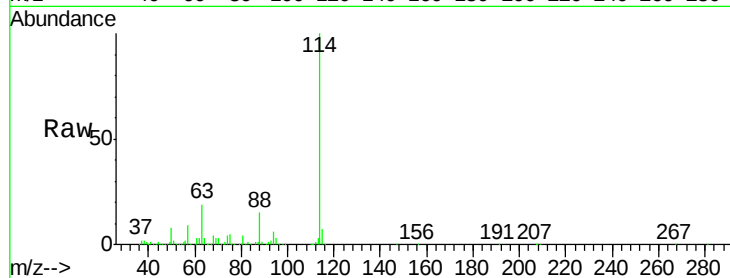
Tot Ion:114 Resp: 483563

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.6

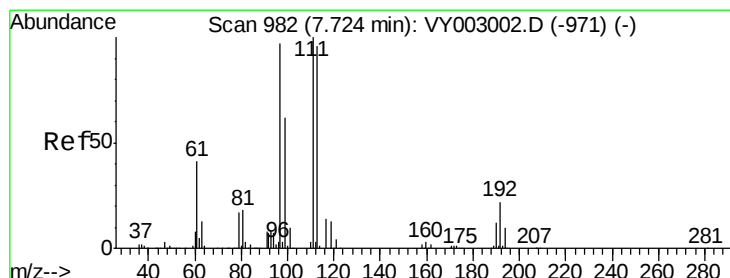
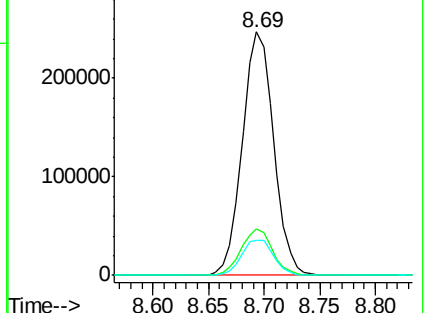
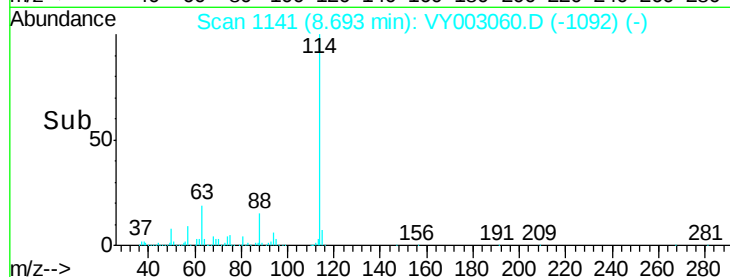
88 14.6 0.0 30.0



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: 52.111 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003060.D

Acq: 01 Jul 2020 15:48

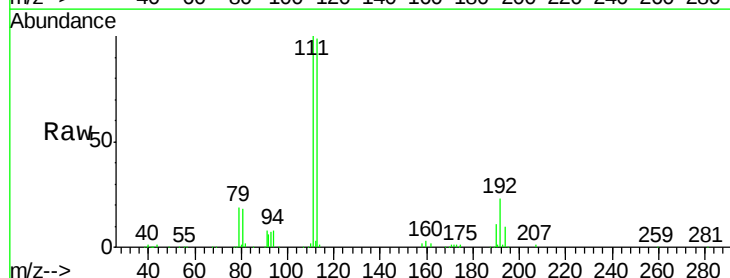
Tgt Ion:113 Resp: 157196

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

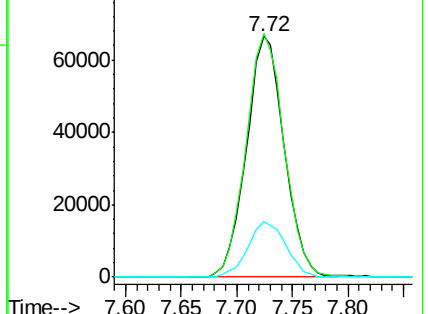
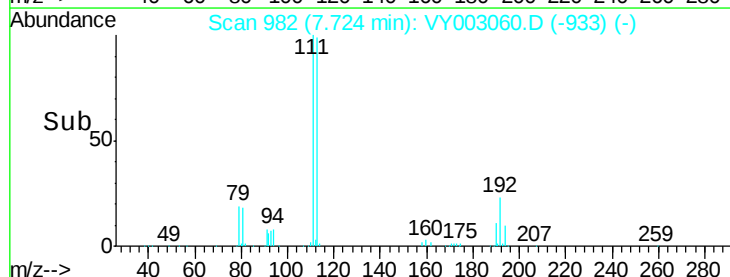
192 23.2 18.1 27.1

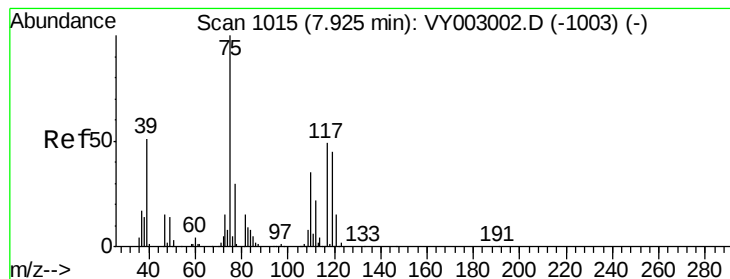


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.343 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003060.D

Acq: 01 Jul 2020 15:48

Instrument :

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BP-MW180-SOIL-590-594

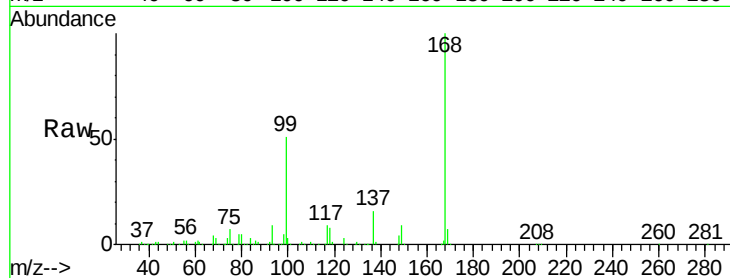
Tot Ion: 75 Resp: 20231

Ion Ratio Lower Upper

75 100

110 10.0 17.1 51.2#

77 0.3 24.9 37.3#

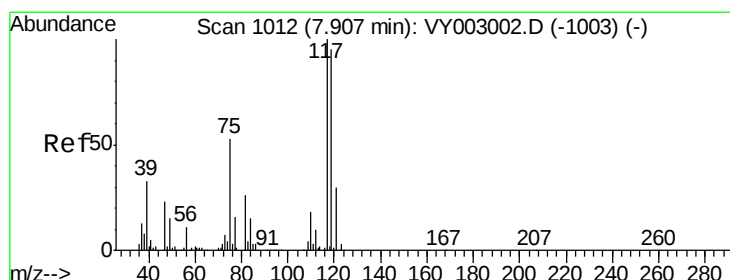
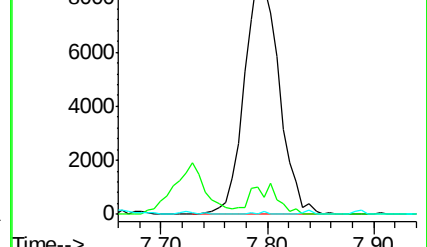
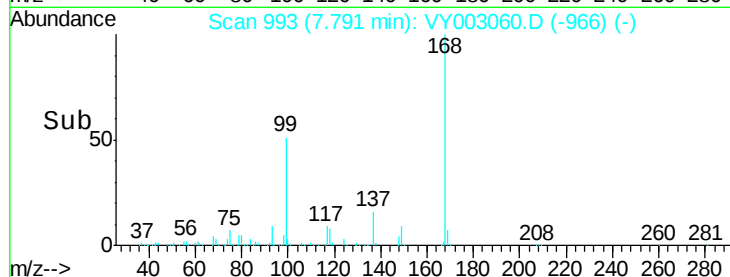


Abundance Ion 74.90 (74.60 to 75.60): VY003060.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003060.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003060.D (-966) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.633 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003060.D

Acq: 01 Jul 2020 15:48

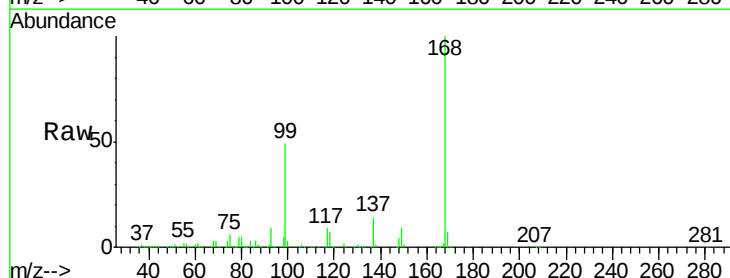
Tgt Ion: 117 Resp: 27301

Ion Ratio Lower Upper

117 100

119 4.8 75.7 113.5#

121 0.0 23.9 35.9#

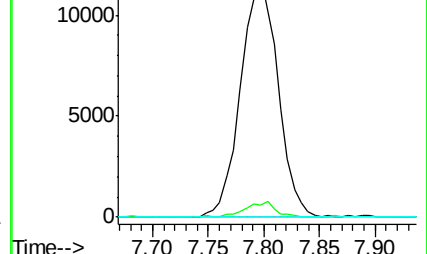
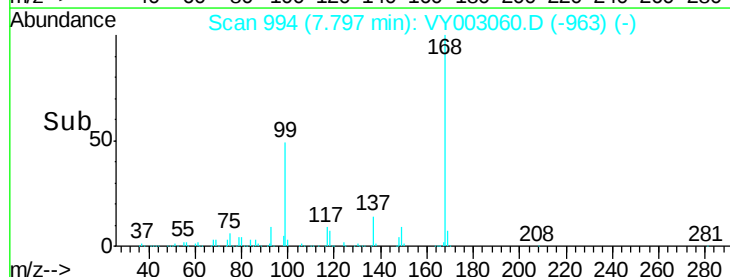


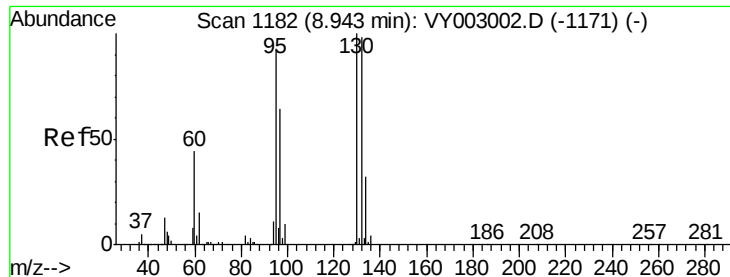
Abundance Ion 116.80 (116.50 to 117.50): VY003060.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003060.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003060.D (-963) (-)

Time-->





#44

Trichloroethene

Concen: 7.001 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003060.D

Acq: 01 Jul 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

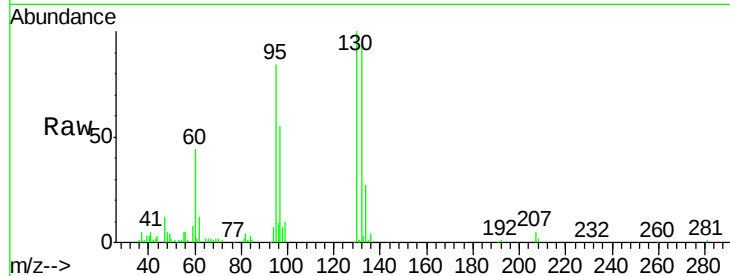
BP-MW180-SOIL-590-594

Tot Ion:130 Resp: 25947

Ion Ratio Lower Upper

130 100

95 84.5 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): VY003060.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY003060.D (-1133) (-)

8.94

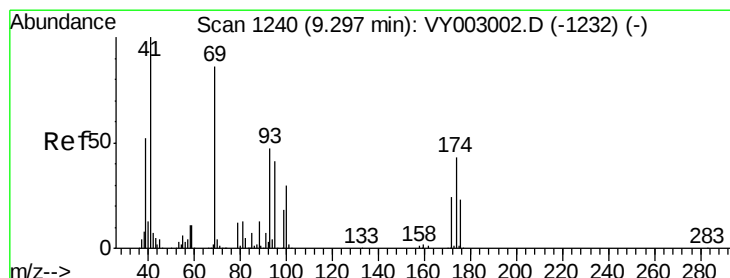
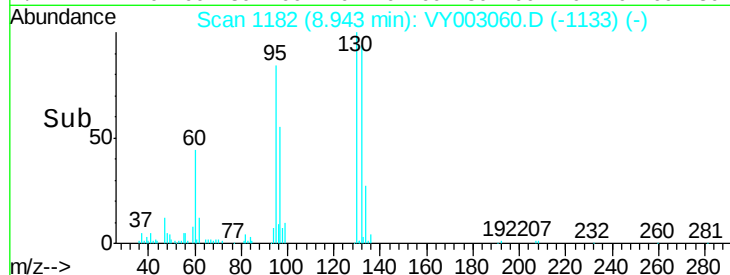
15000

10000

5000

0

Time--> 8.85 8.90 8.95 9.00



#49

1,4-Dioxane

Concen: 1.796 ug/l

RT: 9.27 min Scan# 1235

Delta R.T. -0.03 min

Lab File: VY003060.D

Acq: 01 Jul 2020 15:48

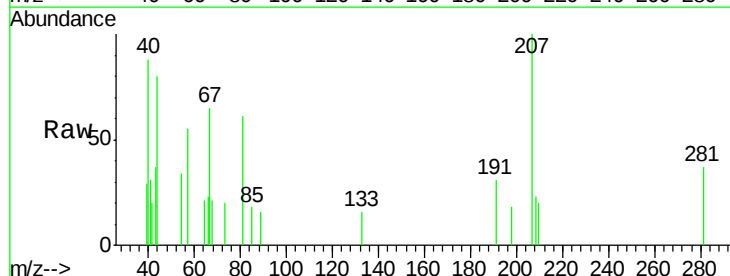
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

58 142.9 56.7 85.1#



Abundance Ion 88.00 (87.70 to 88.70): VY003060.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VY003060.D (-1191) (-)

Ion 58.00 (57.70 to 58.70): VY003060.D (-1191) (-)

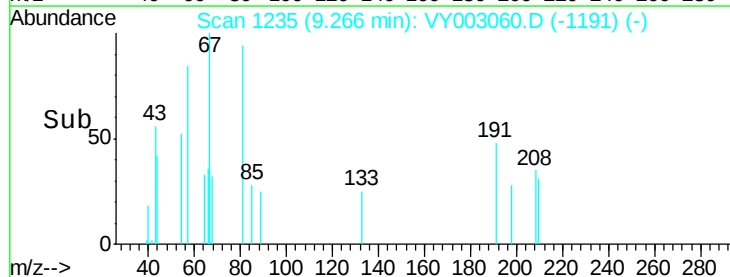
300

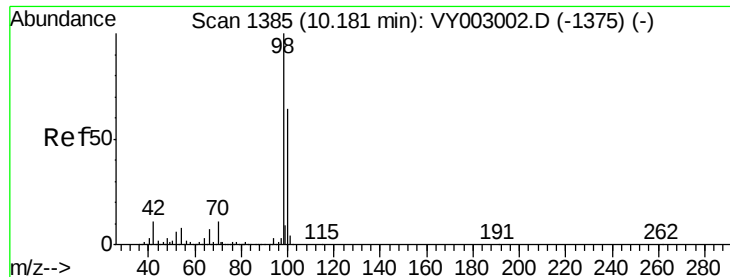
200

100

0

Time--> 9.24 9.26 9.28





#50

Toluene-d8

Concen: 51.838 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003060.D

Acq: 01 Jul 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

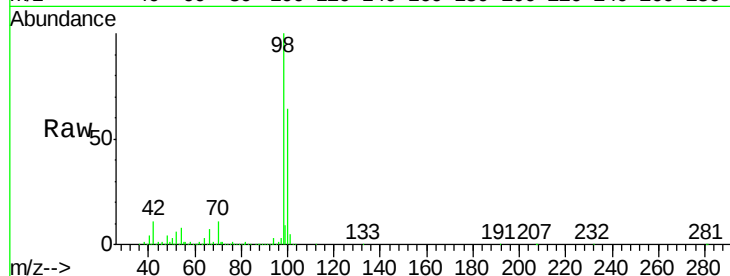
BP-MW180-SOIL-590-594

Tot Ion: 98 Resp: 582557

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

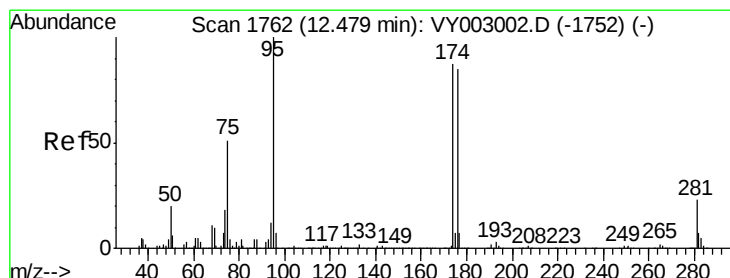
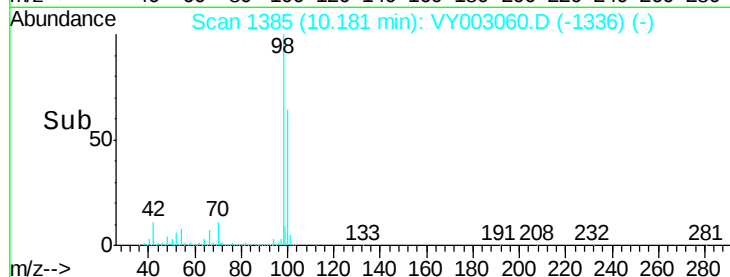
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.372 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003060.D

Acq: 01 Jul 2020 15:48

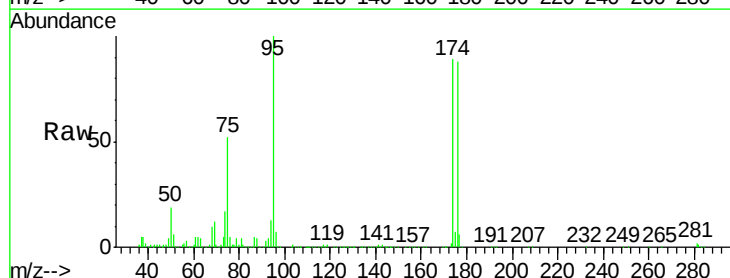
Tgt Ion: 95 Resp: 207171

Ion Ratio Lower Upper

95 100

174 94.1 0.0 184.8

176 91.1 0.0 183.0



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

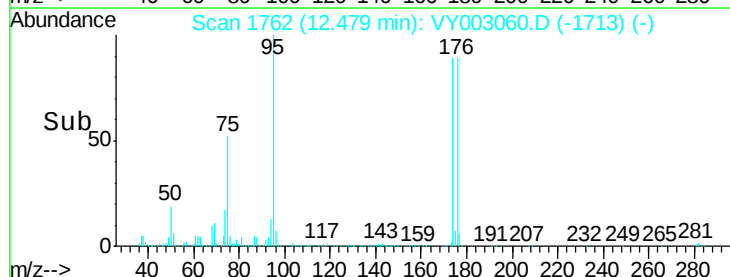
150000

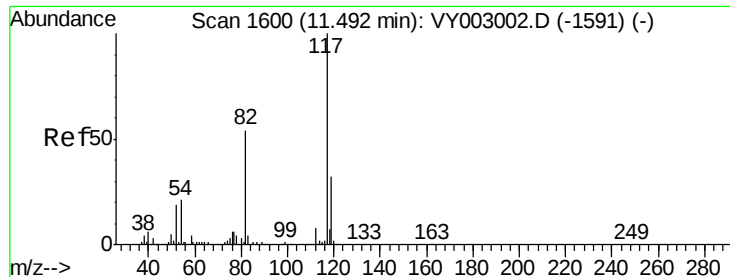
100000

50000

0

Time-->

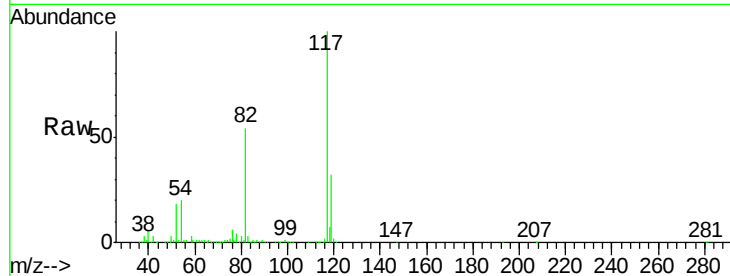




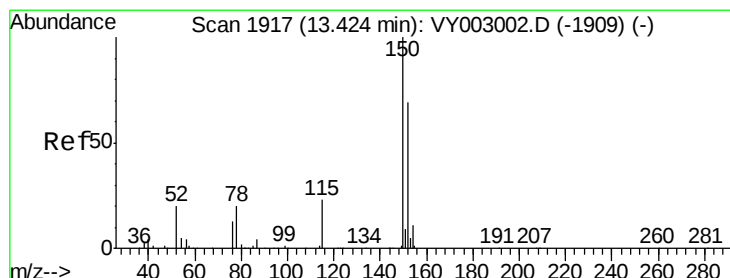
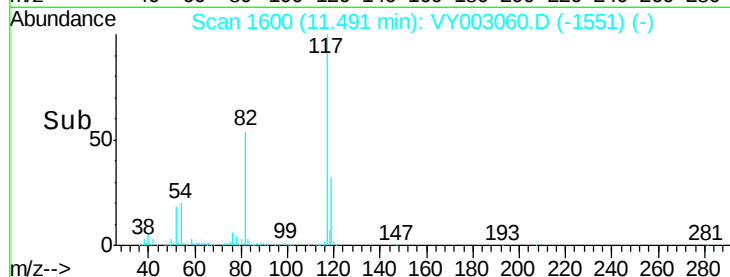
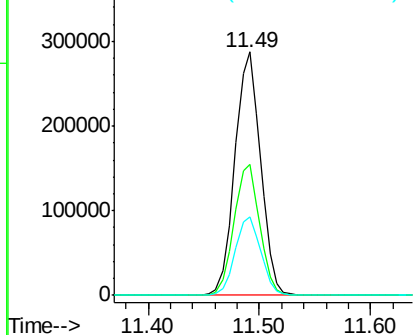
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003060.D
Acq: 01 Jul 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :
BP-MW180-SOIL-590-594

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.0	64.6
119	32.0	25.8	38.8

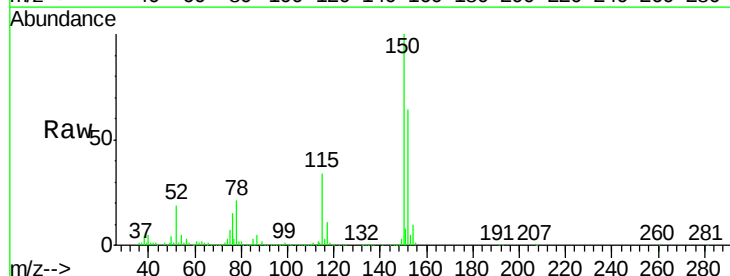


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

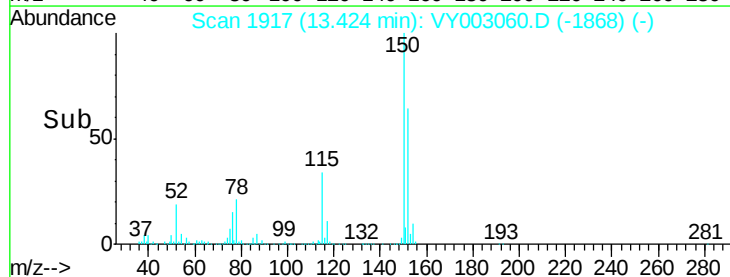
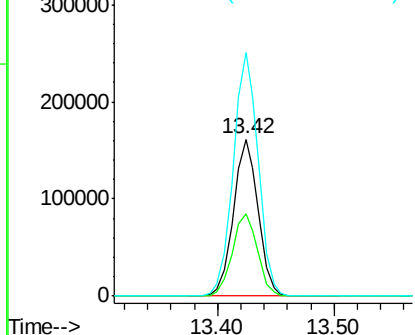


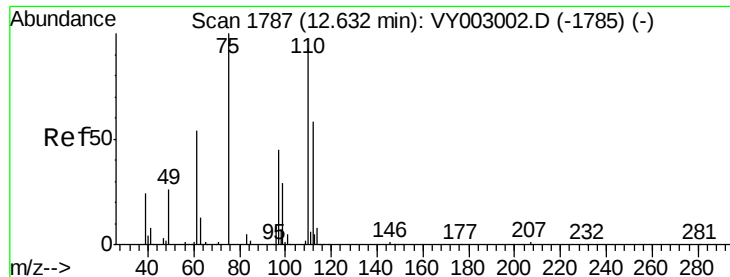
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003060.D
Acq: 01 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.3	81.9
150	156.9	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





#76

1,2,3-Trichloropropane

Concen: 45.623 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003060.D

Acq: 01 Jul 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

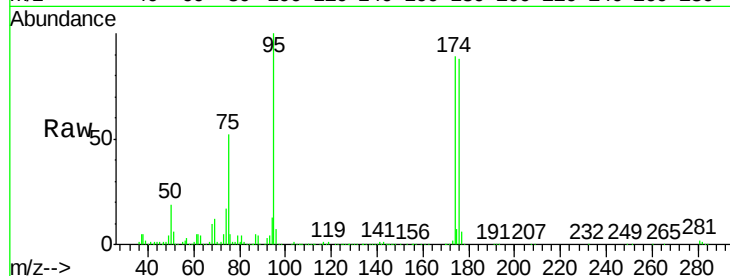
BP-MW180-SOIL-590-594

Tot Ion: 75 Resp: 107073

Ion Ratio Lower Upper

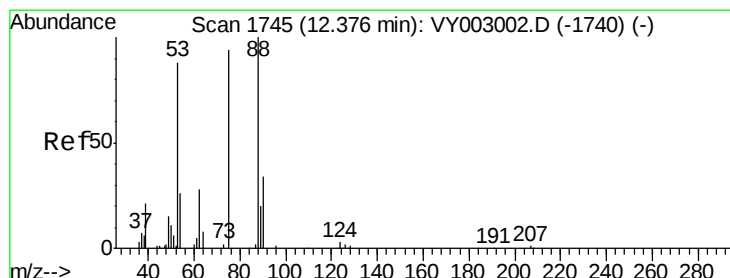
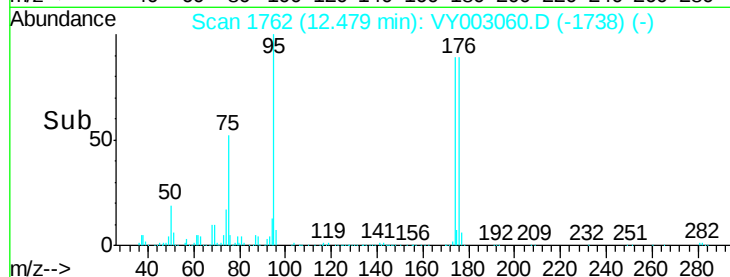
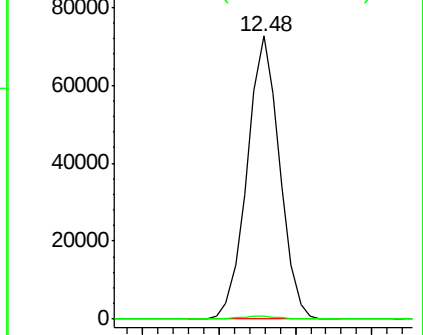
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 88.764 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003060.D

Acq: 01 Jul 2020 15:48

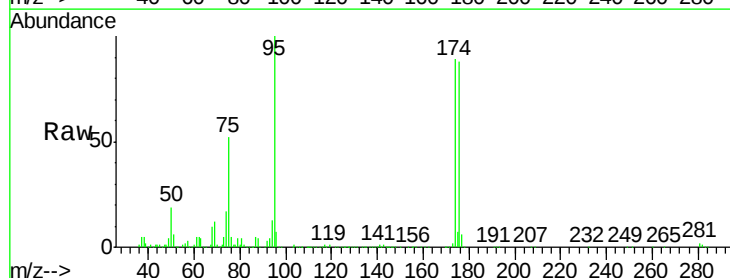
Tgt Ion: 75 Resp: 107073

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

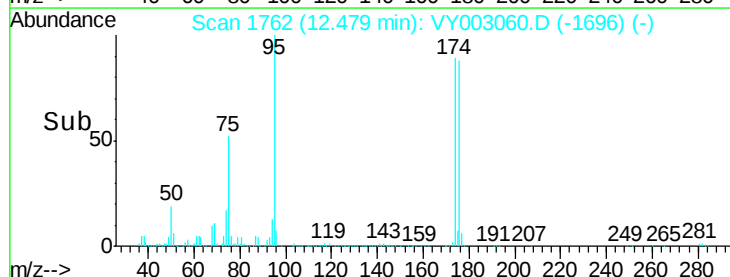
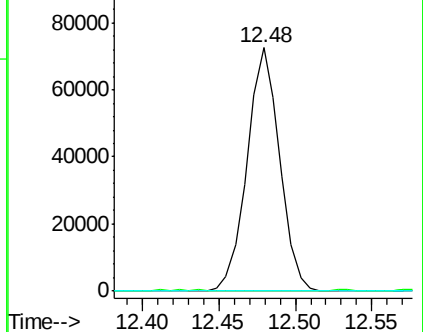
89 0.1 37.5 56.3#

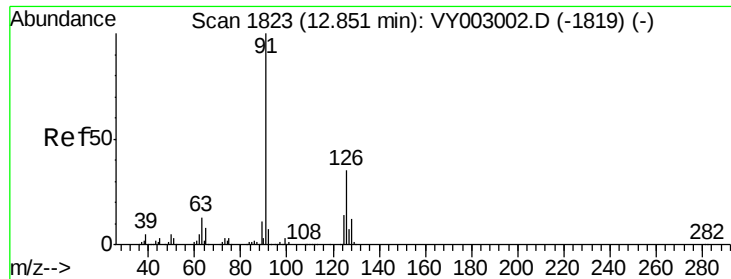


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#82
 4-Chlorotoluene
 Concen: 1.165 ug/l
 RT: 12.85 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: VY003060.D
 Acq: 01 Jul 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-SOIL-590-594

Tot Ion: 91 Resp: 12639
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.4 52.3

