

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070120\
 Data File : VY003064.D
 Acq On : 01 Jul 2020 17:24
 Operator : SY/MD
 Sample : L3192-02
 Misc : 7.38G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-SOIL-604-608

Quant Time: Jul 02 03:18:57 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	306363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	490550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	470614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	242846	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	169917	55.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.68%	
35) Dibromofluoromethane	7.72	113	164192	53.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.32%	
50) Toluene-d8	10.18	98	592430	51.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.48	95	211417	52.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.36%	

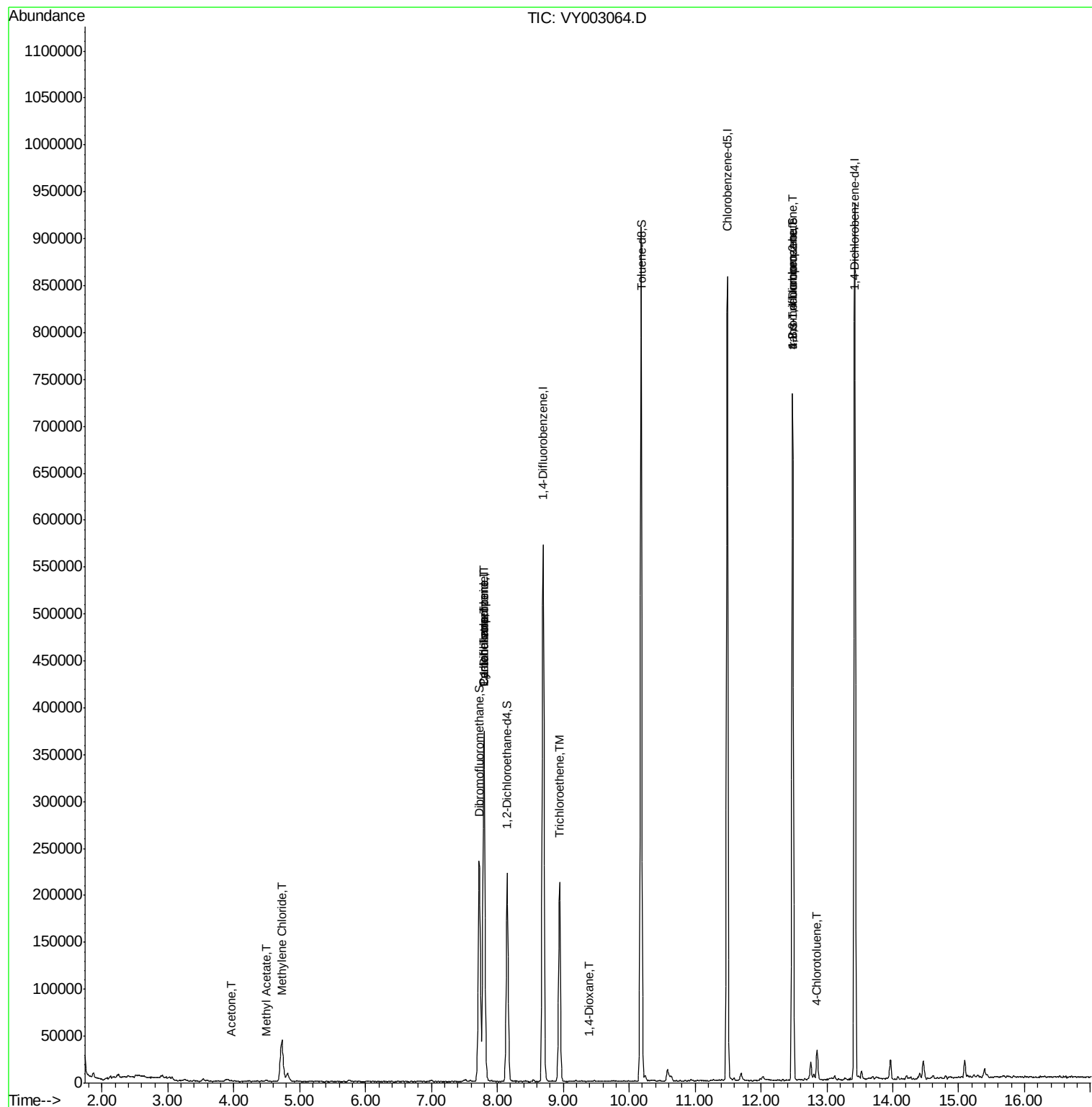
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	1942	2.706	ug/l	96
18) Methyl Acetate	4.50	43	2072	1.072	ug/l #	77
20) Methylene Chloride	4.73	84	33741	4.143	ug/l	91
31) Cyclohexane	7.79	56	5381	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20958	4.435	ug/l #	50
38) Carbon Tetrachloride	7.80	117	26545	5.399	ug/l #	18
44) Trichloroethene	8.94	130	76934	20.461	ug/l	99
49) 1,4-Dioxane	9.38	88	25	1.054	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	108780	45.260	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	108780	88.058	ug/l #	12
82) 4-Chlorotoluene	12.85	91	16986	1.529	ug/l	91

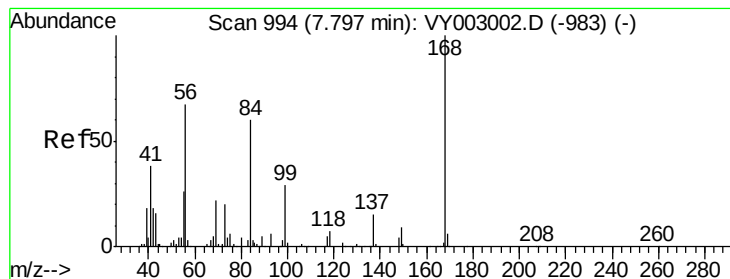
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 03:18:57 2020
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: VY003064.D

Acq: 01 Jul 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

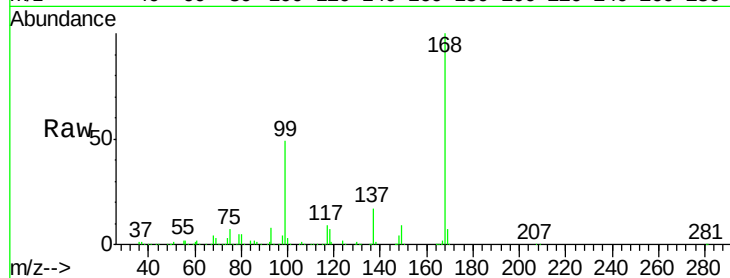
BP-MW180-SOIL-604-608

Tot Ion:168 Resp: 306363

Ion Ratio Lower Upper

168 100

99 49.4 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

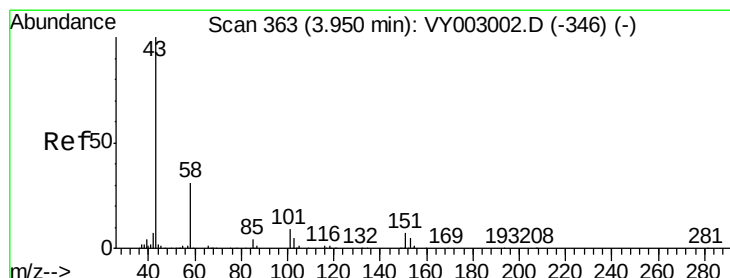
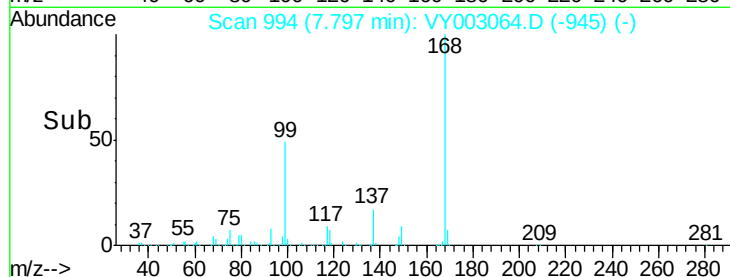
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.706 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003064.D

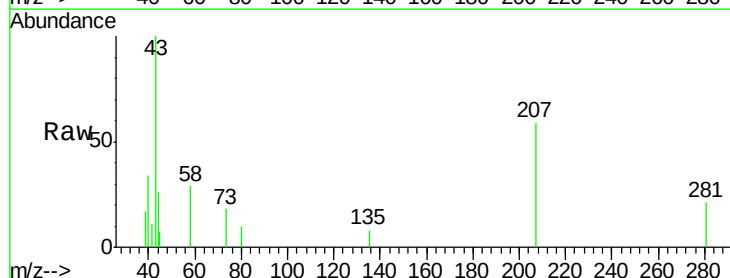
Acq: 01 Jul 2020 17:24

Tgt Ion: 43 Resp: 1942

Ion Ratio Lower Upper

43 100

58 28.6 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) (-)

3.96

800

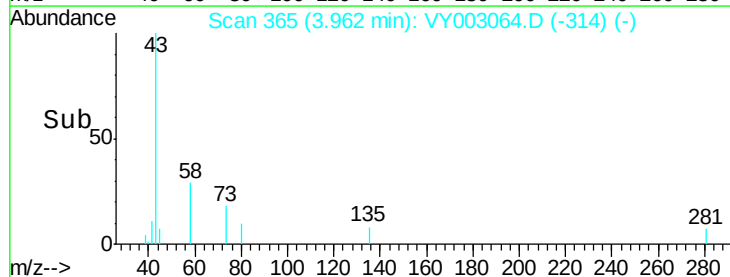
600

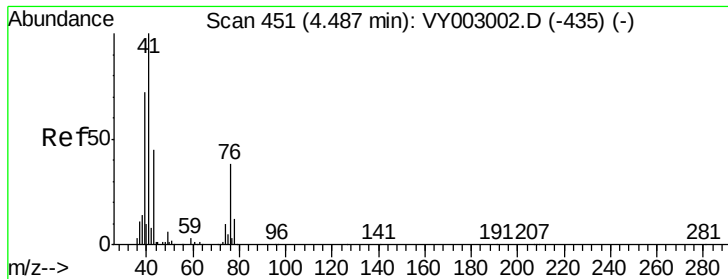
400

200

0

Time-->

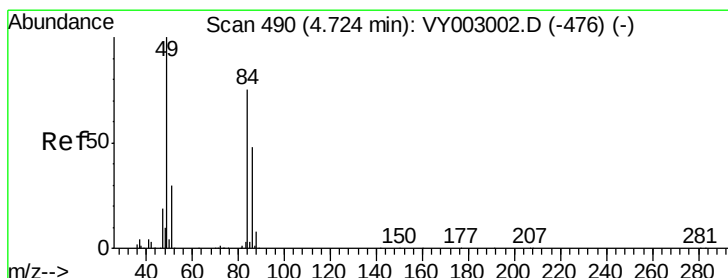
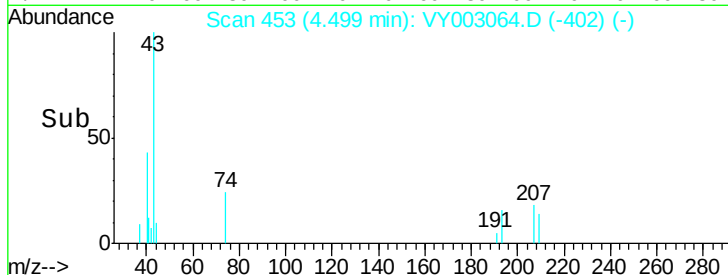
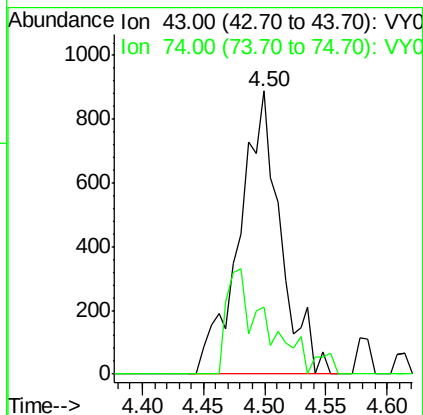
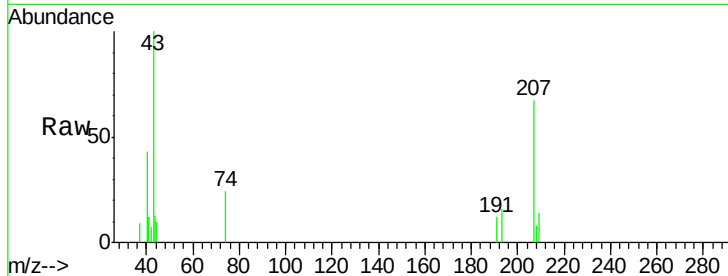




#18
Methvl Acetate
Concen: 1.072 ug/l
RT: 4.50 min Scan# 453
Delta R.T. 0.01 min
Lab File: VY003064.D
Acq: 01 Jul 2020 17:24

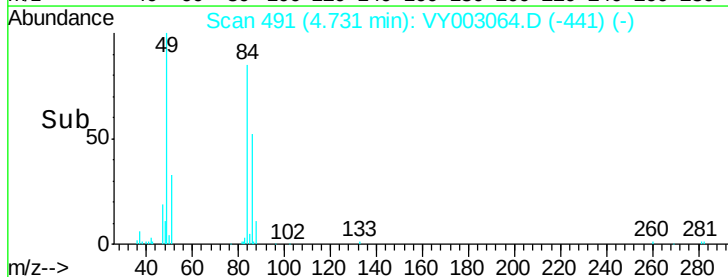
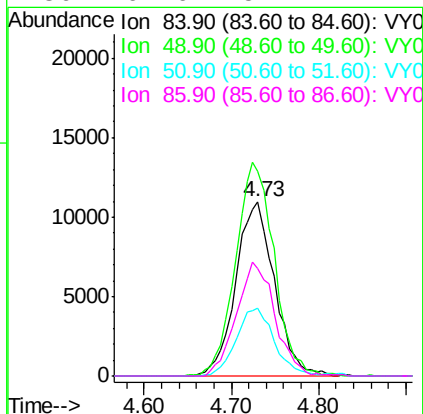
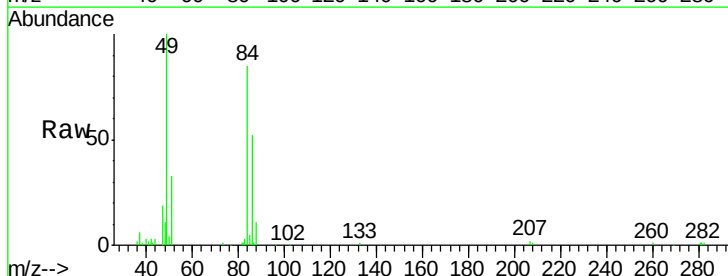
Instrument :
MSVOA_Y
ClientSampleId :
BP-MW180-SOIL-604-608

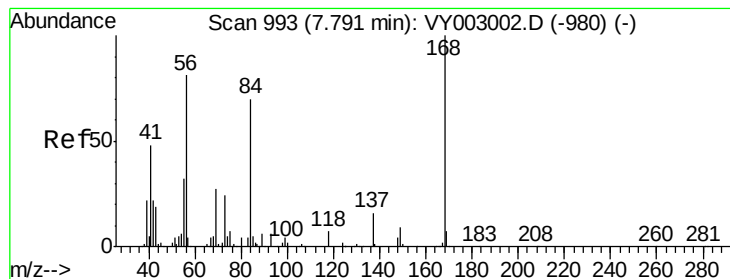
Tot Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
74 34.1 18.2 27.4#



#20
Methylene Chloride
Concen: 4.143 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003064.D
Acq: 01 Jul 2020 17:24

Tgt Ion: 84 Resp: 33741
Ion Ratio Lower Upper
84 100
49 116.9 106.8 160.2
51 38.7 32.0 48.0
86 61.6 51.4 77.2





#31

Cyclohexane

Concen: 1.005 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003064.D

Acq: 01 Jul 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-604-608

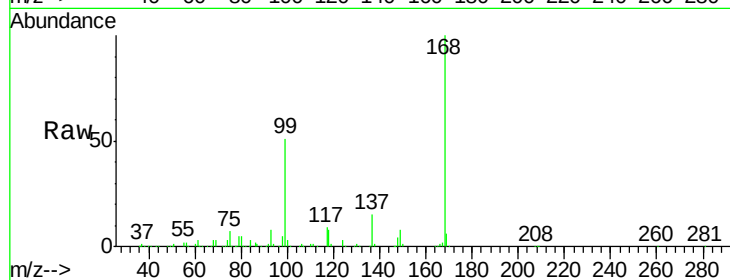
Tot Ion: 56 Resp: 5381

Ion Ratio Lower Upper

56 100

69 182.9 27.0 40.4#

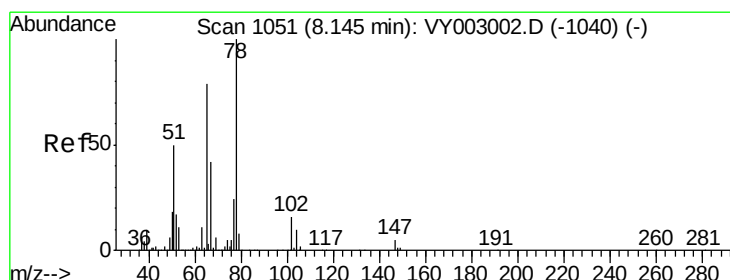
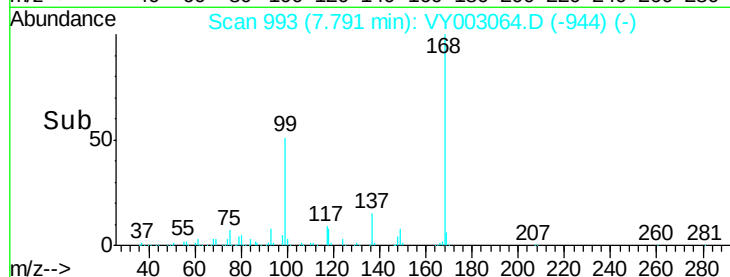
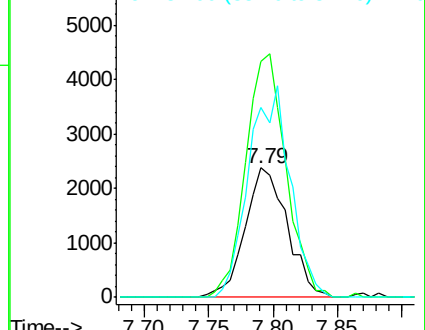
84 146.9 68.1 102.1#



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: 55.842 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003064.D

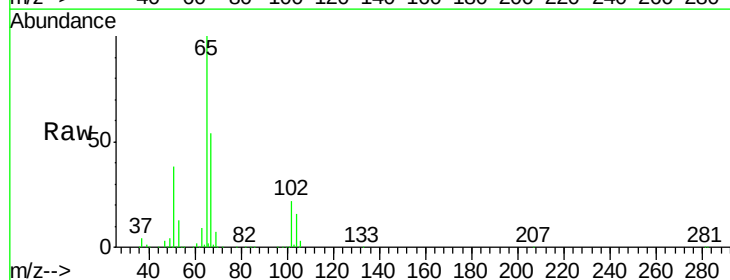
Acq: 01 Jul 2020 17:24

Tgt Ion: 65 Resp: 169917

Ion Ratio Lower Upper

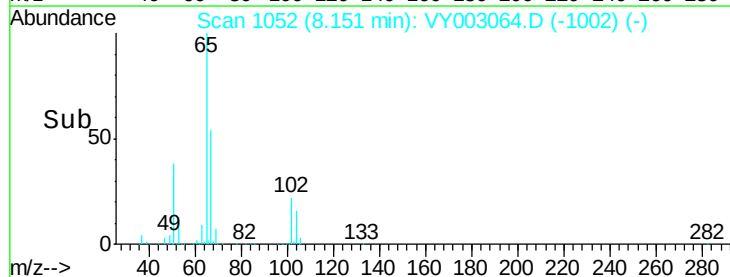
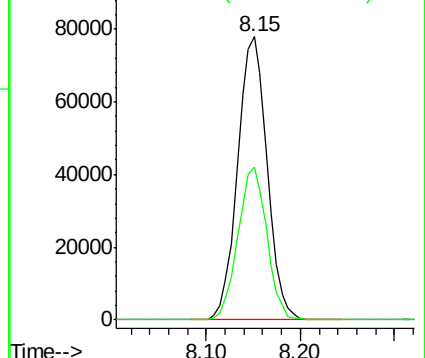
65 100

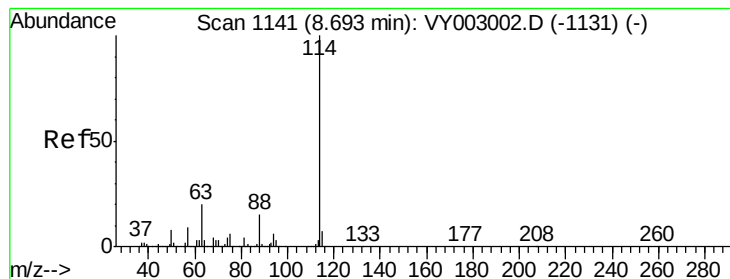
67 53.0 0.0 105.6



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: VY003064.D

Acq: 01 Jul 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-604-608

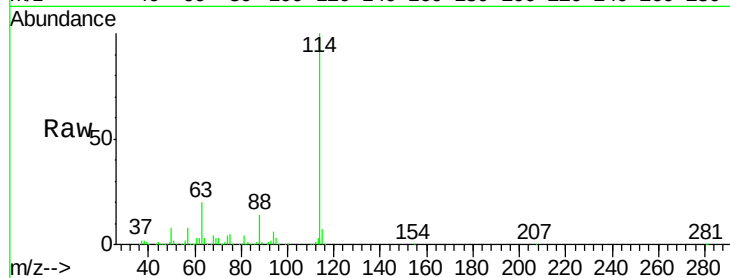
Tot Ion:114 Resp: 490550

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.6

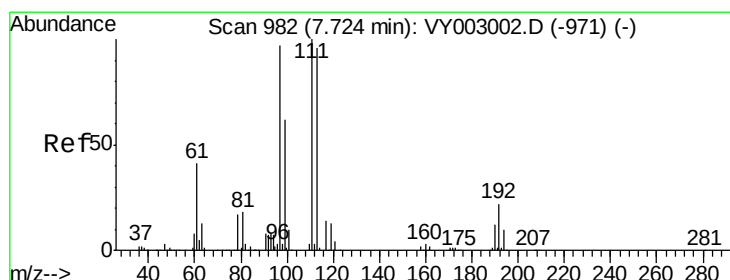
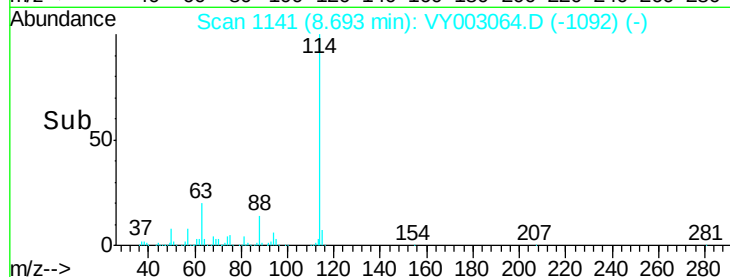
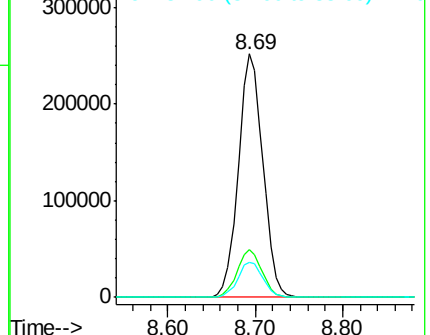
88 14.4 0.0 30.0



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: 53.655 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003064.D

Acq: 01 Jul 2020 17:24

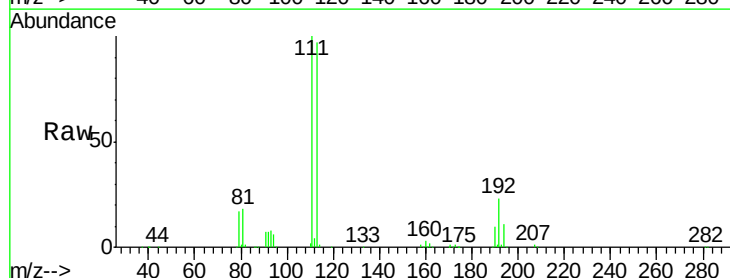
Tgt Ion:113 Resp: 164192

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

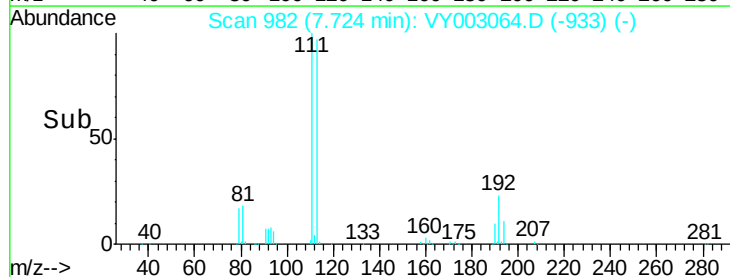
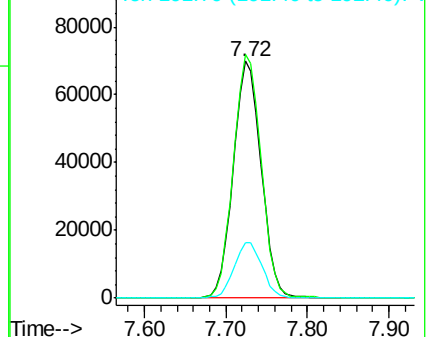
192 23.6 18.1 27.1

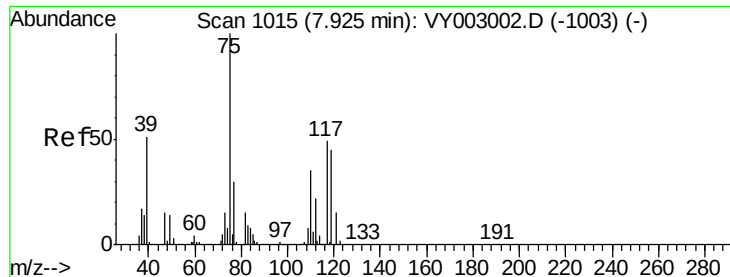


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.435 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003064.D

Acq: 01 Jul 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-604-608

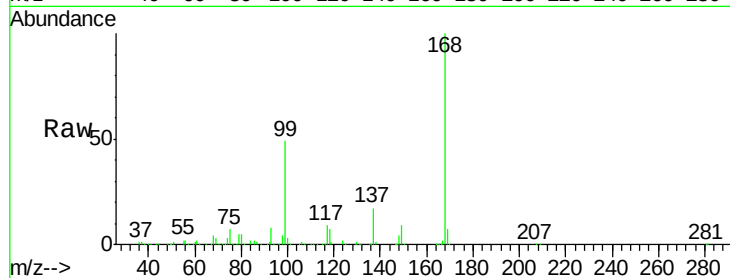
Tot Ion: 75 Resp: 20958

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

77 0.2 24.9 37.3#

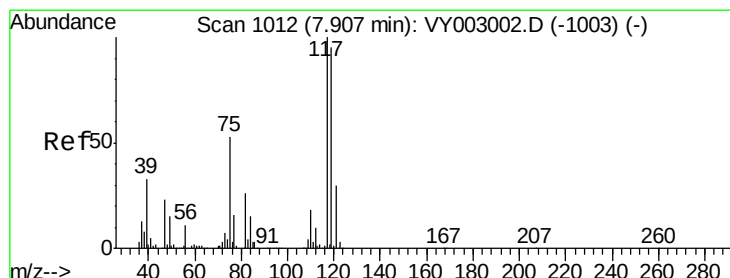
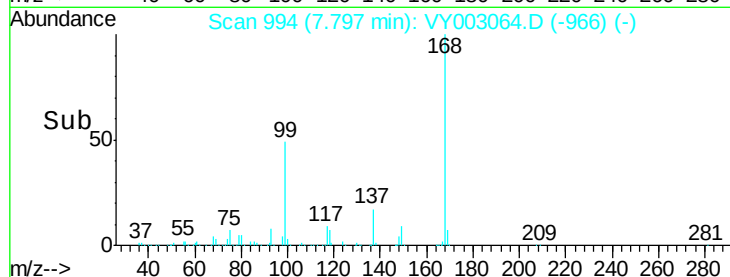


Abundance Ion 74.90 (74.60 to 75.60): VY003002.D (-1003) (-)

Ion 109.90 (109.60 to 110.60): VY003002.D (-1003) (-)

Ion 76.90 (76.60 to 77.60): VY003002.D (-1003) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.399 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003064.D

Acq: 01 Jul 2020 17:24

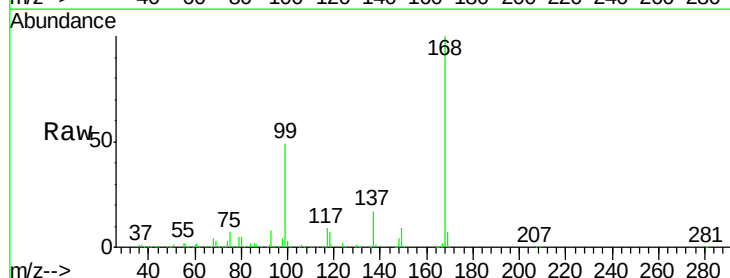
Tgt Ion: 117 Resp: 26545

Ion Ratio Lower Upper

117 100

119 7.0 75.7 113.5#

121 0.0 23.9 35.9#

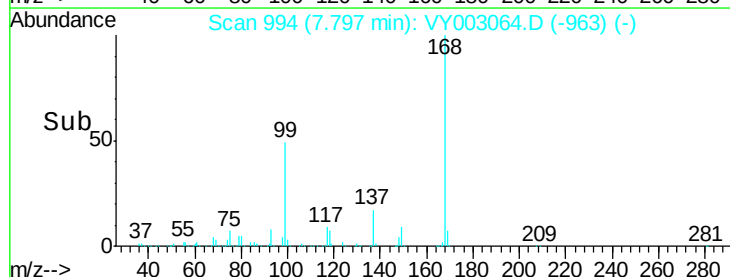


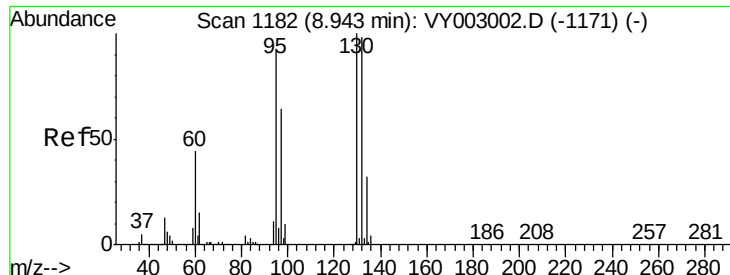
Abundance Ion 116.80 (116.50 to 117.50): VY003002.D (-1003) (-)

Ion 118.80 (118.50 to 119.50): VY003002.D (-1003) (-)

Ion 120.80 (120.50 to 121.50): VY003002.D (-1003) (-)

Time-->





#44

Trichloroethene

Concen: 20.461 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003064.D

Acq: 01 Jul 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

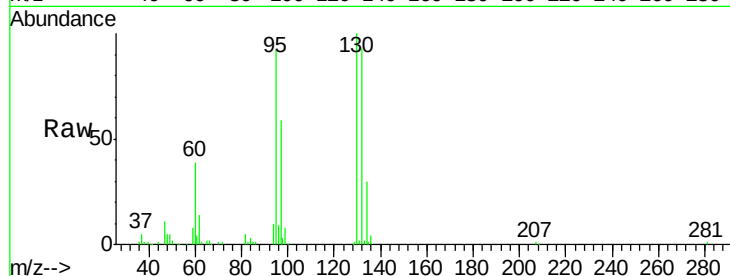
BP-MW180-SOIL-604-608

Tot Ion:130 Resp: 76934

Ion Ratio Lower Upper

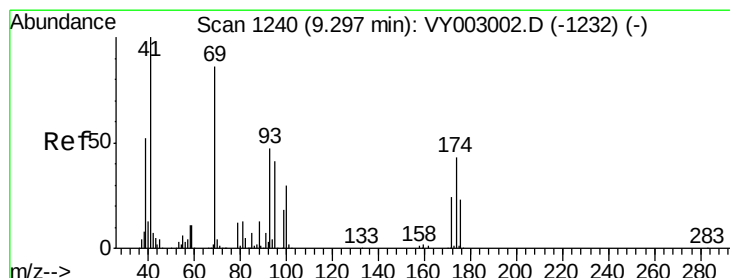
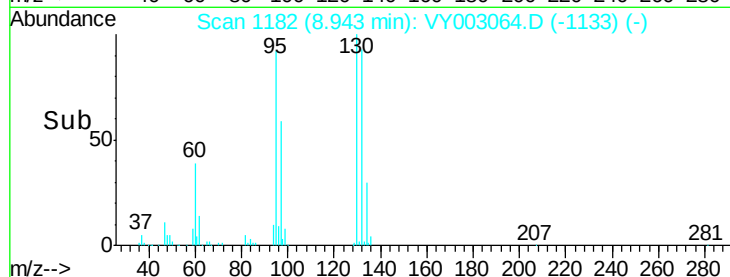
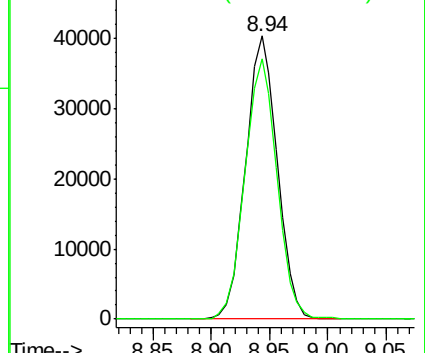
130 100

95 92.0 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: 1.054 ug/l

RT: 9.38 min Scan# 1254

Delta R.T. 0.09 min

Lab File: VY003064.D

Acq: 01 Jul 2020 17:24

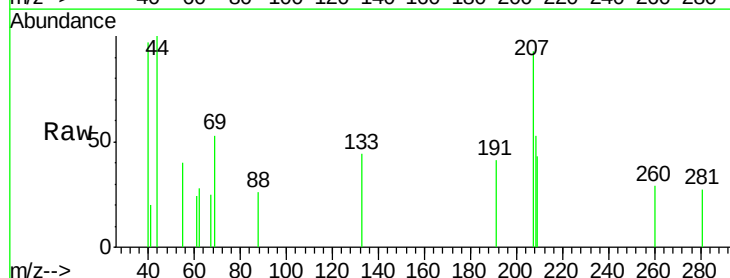
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 196.0 28.6 42.8#

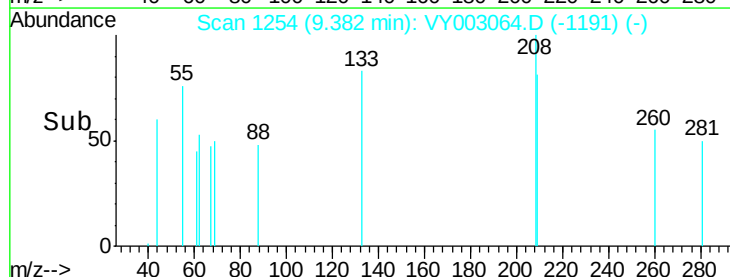
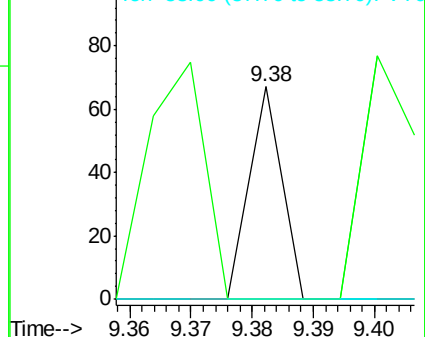
58 0.0 56.7 85.1#

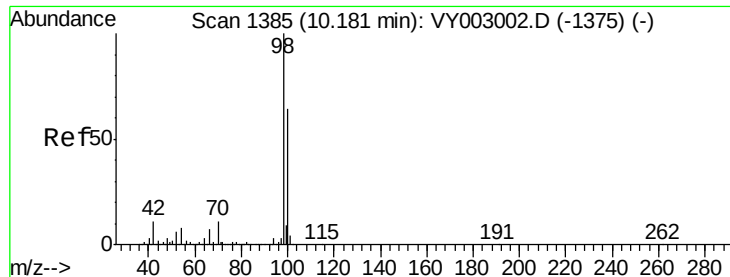


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.966 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003064.D

Acq: 01 Jul 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

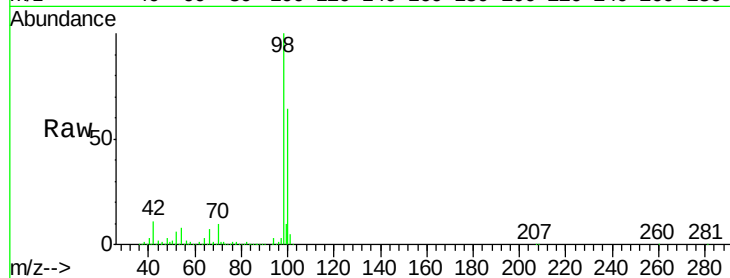
BP-MW180-SOIL-604-608

Tot Ion: 98 Resp: 592430

Ion Ratio Lower Upper

98 100

100 64.4 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

400000

300000

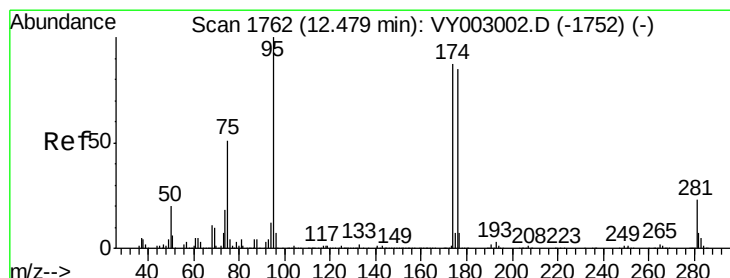
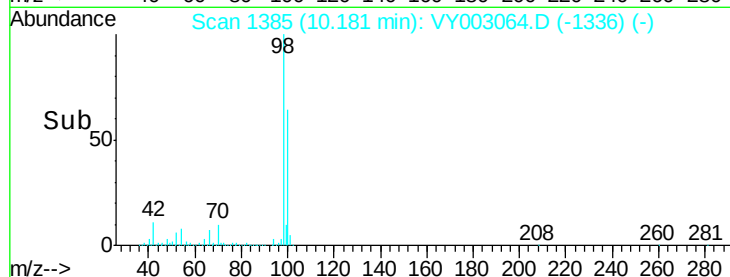
200000

100000

0

Time-->

10.10 10.20



#62

4-Bromofluorobenzene

Concen: 52.684 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003064.D

Acq: 01 Jul 2020 17:24

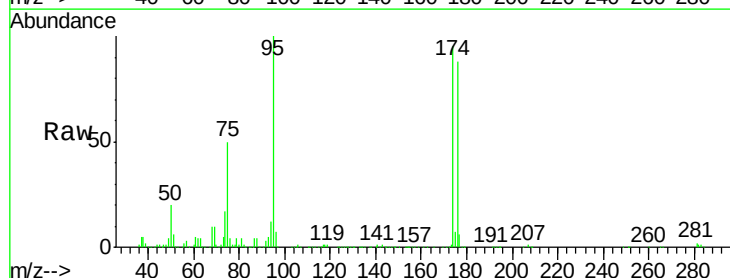
Tgt Ion: 95 Resp: 211417

Ion Ratio Lower Upper

95 100

174 95.8 0.0 184.8

176 92.2 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

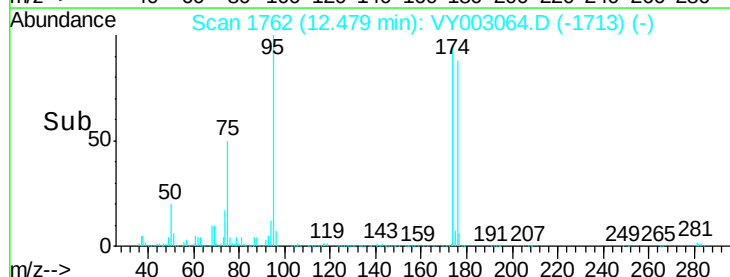
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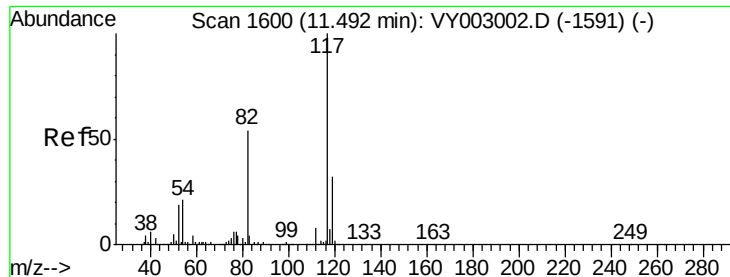
50000

0

Time-->

12.40 12.50

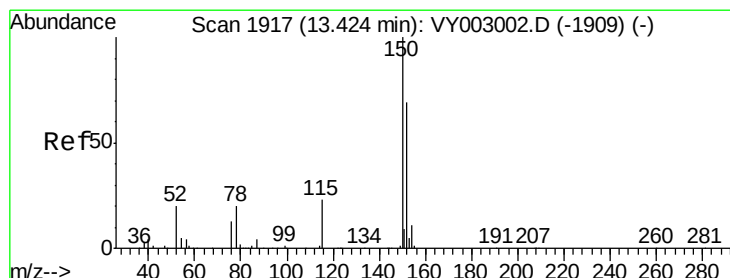
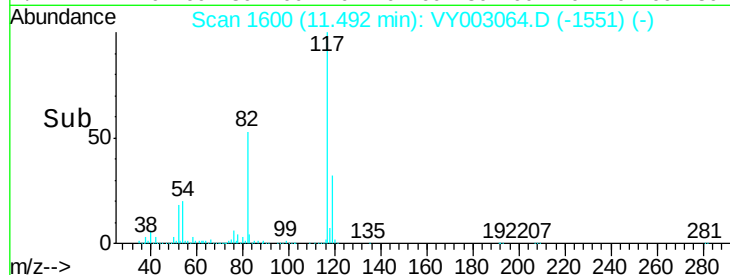
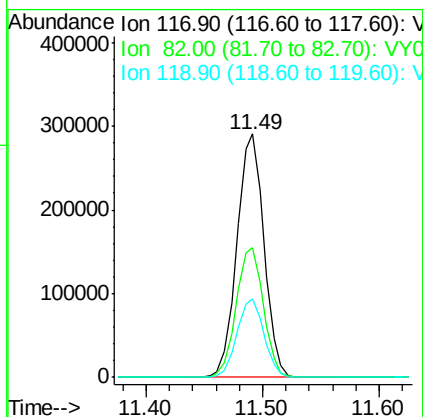
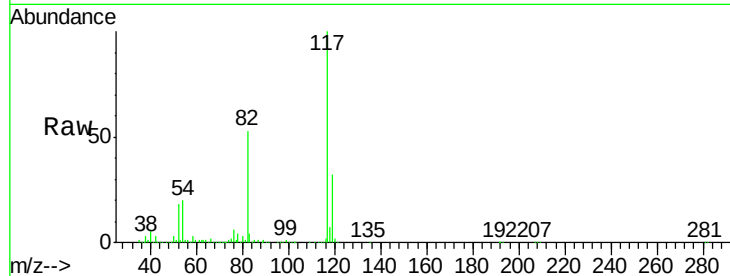




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003064.D
Acq: 01 Jul 2020 17:24

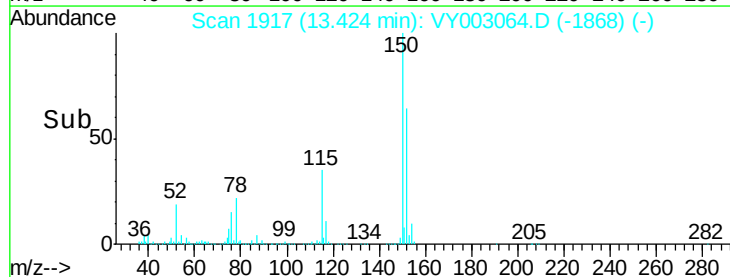
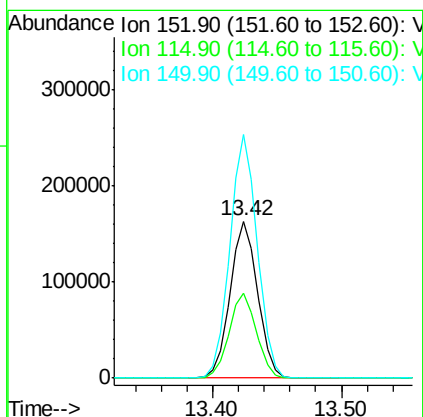
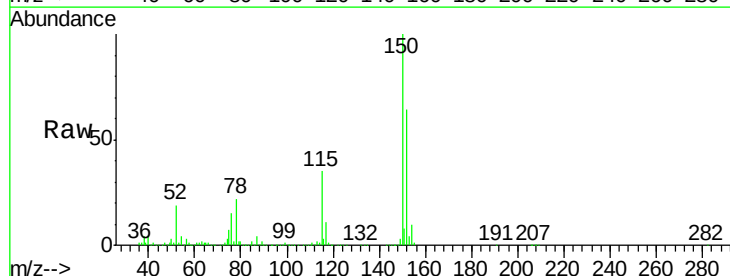
Instrument :
MSVOA_Y
ClientSampleId :
BP-MW180-SOIL-604-608

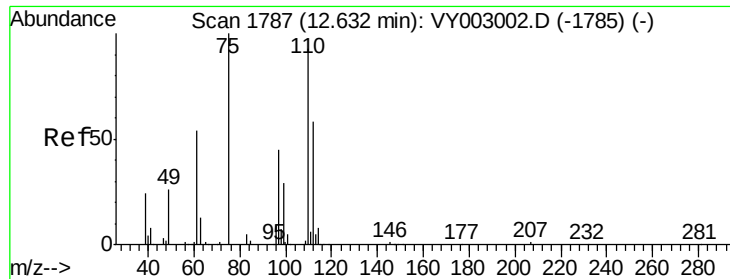
Tot Ion:117 Resp: 470614
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.6
119 32.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003064.D
Acq: 01 Jul 2020 17:24

Tgt Ion:152 Resp: 242846
Ion Ratio Lower Upper
152 100
115 53.9 27.3 81.9
150 155.0 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 45.260 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003064.D

Acq: 01 Jul 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

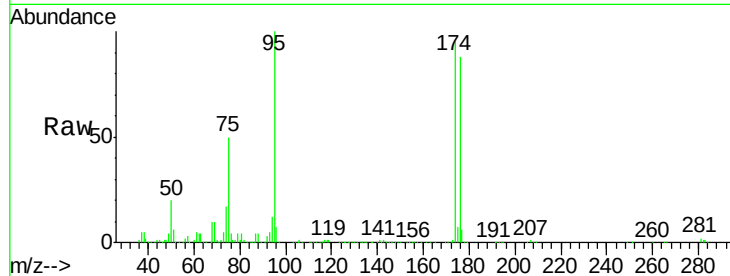
BP-MW180-SOIL-604-608

Tot Ion: 75 Resp: 108780

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.48

80000

60000

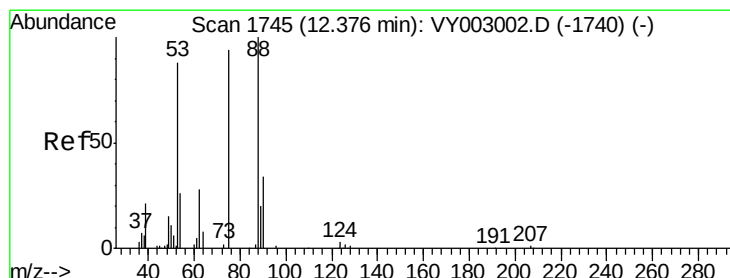
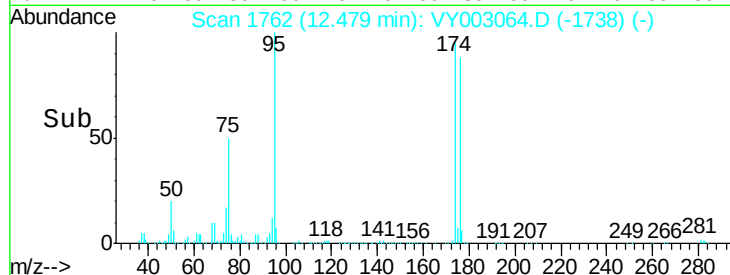
40000

20000

0

Time-->

12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 88.058 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003064.D

Acq: 01 Jul 2020 17:24

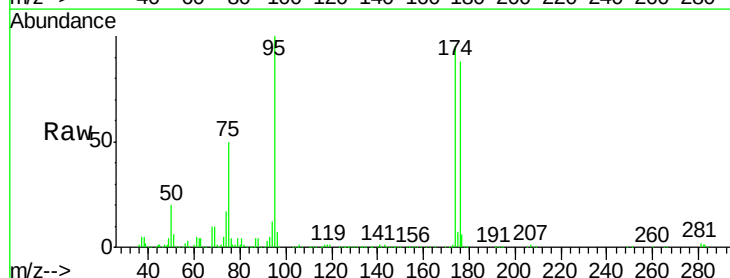
Tgt Ion: 75 Resp: 108780

Ion Ratio Lower Upper

75 100

53 0.2 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

12.48

80000

60000

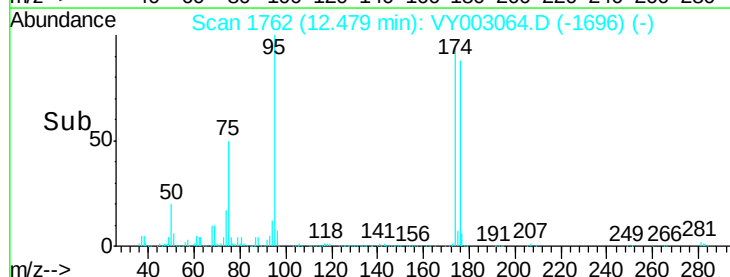
40000

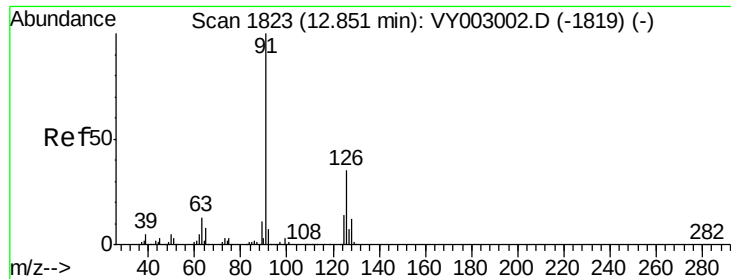
20000

0

Time-->

12.40 12.45 12.50 12.55





#82
 4-Chlorotoluene
 Concen: 1.529 ug/l
 RT: 12.85 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: VY003064.D
 Acq: 01 Jul 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-SOIL-604-608

Tot Ion: 91 Resp: 16986
 Ion Ratio Lower Upper
 91 100
 126 40.2 17.4 52.3

