

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003047.D
 Acq On : 30 Jun 2020 20:02
 Operator : SY/MD
 Sample : L3151-01RE
 Misc : 7.67G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-SOIL-580-582

Quant Time: Jul 01 05:18:17 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	343293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	558052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	530762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	260972	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	191065	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	
35) Dibromofluoromethane	7.72	113	183473	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
50) Toluene-d8	10.18	98	669665	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.48	95	237467	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	

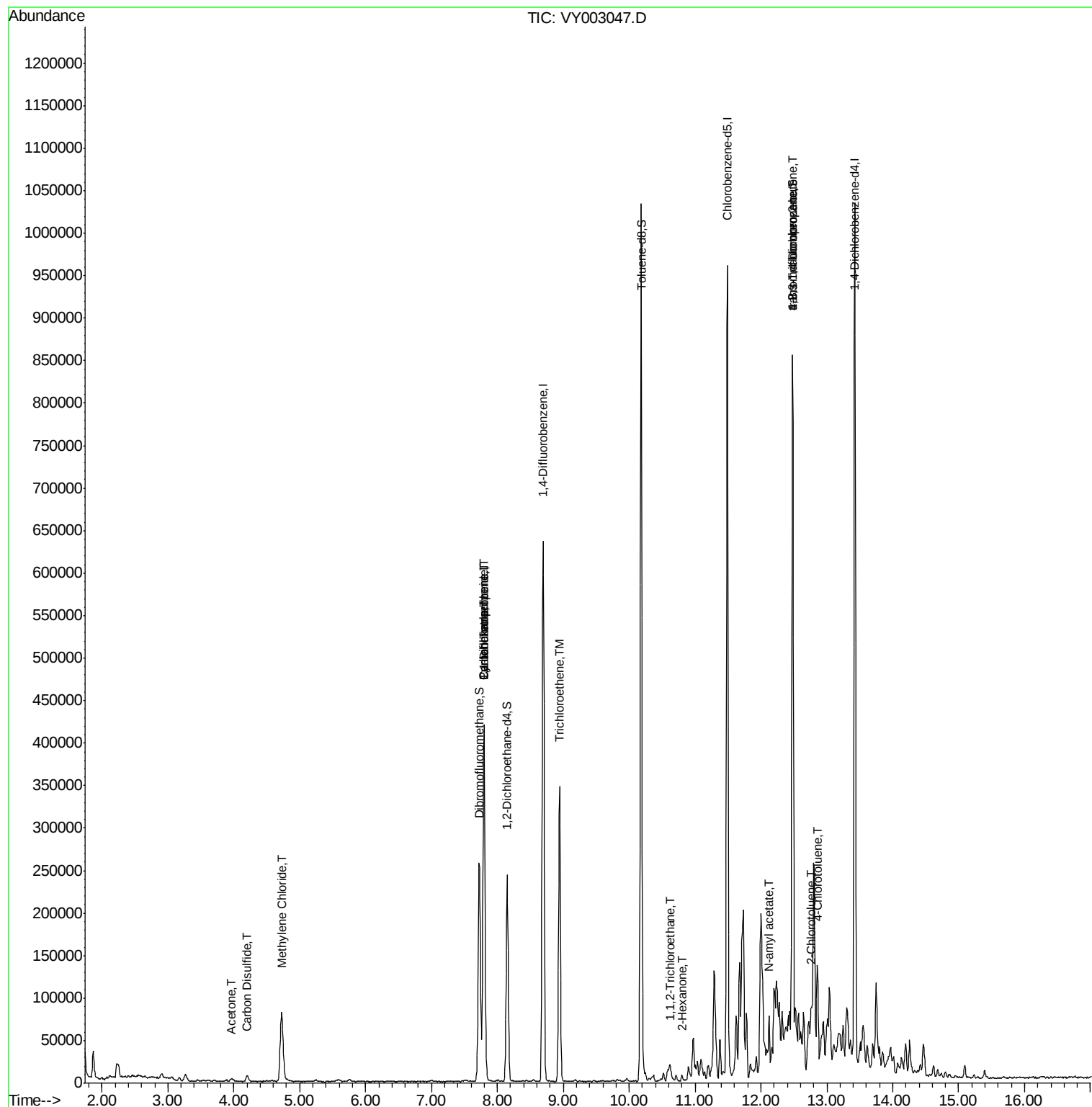
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	5126	6.374	ug/l	97
17) Carbon Disulfide	4.21	76	14825	1.558	ug/l	98
20) Methylene Chloride	4.72	84	63617	12.501	ug/l	92
31) Cyclohexane	7.80	56	6615	1.103	ug/l #	11
36) 1,1-Dichloropropene	7.80	75	23344	4.343	ug/l #	51
38) Carbon Tetrachloride	7.80	117	30737	5.496	ug/l #	16
44) Trichloroethene	8.94	130	123808	28.945	ug/l	100
55) 1,1,2-Trichloroethane	10.62	97	5515	1.795	ug/l #	20
59) 2-Hexanone	10.80	43	3064	1.380	ug/l #	27
74) N-amyl acetate	12.12	43	12052	2.168	ug/l #	56
76) 1,2,3-Trichloropropane	12.48	75	121111	46.891	ug/l #	100
79) 2-Chlorotoluene	12.75	91	16969	1.480	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.48	75	121111	91.230	ug/l #	13
82) 4-Chlorotoluene	12.85	91	32633	2.734	ug/l	98

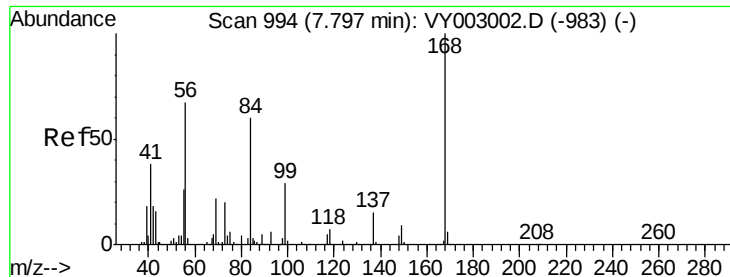
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 01 05:18:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003047.D

Acq: 30 Jun 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

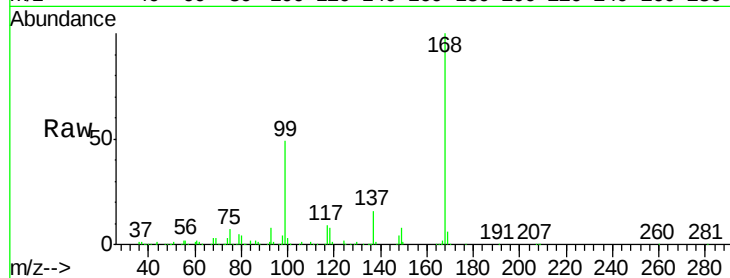
BP-MW180-SOIL-580-582

Tot Ion:168 Resp: 343293

Ion Ratio Lower Upper

168 100

99 49.3 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

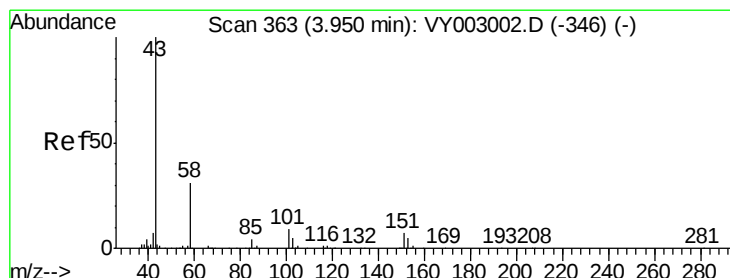
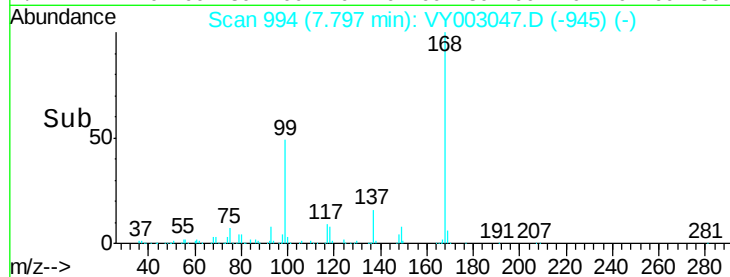
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.374 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY003047.D

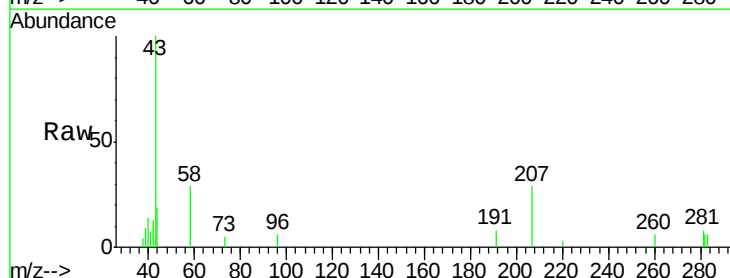
Acq: 30 Jun 2020 20:02

Tgt Ion: 43 Resp: 5126

Ion Ratio Lower Upper

43 100

58 29.2 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

2000

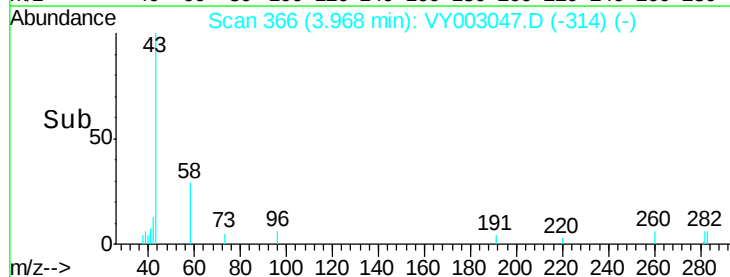
1500

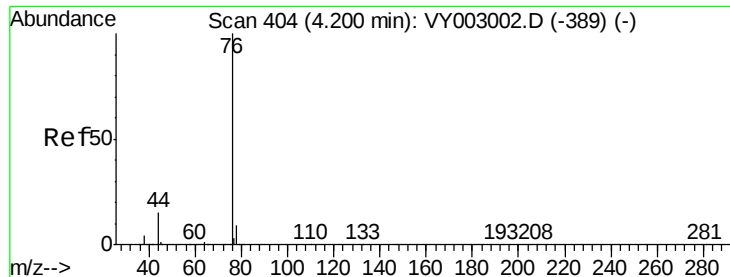
1000

500

0

Time-->





#17

Carbon Disulfide

Concen: 1.558 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY003047.D

Acq: 30 Jun 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

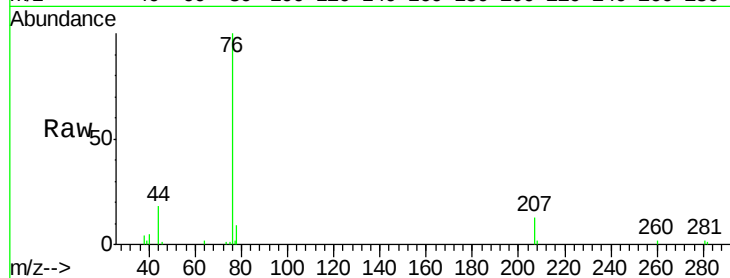
BP-MW180-SOIL-580-582

Tot Ion: 76 Resp: 14825

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.21

6000

5000

4000

3000

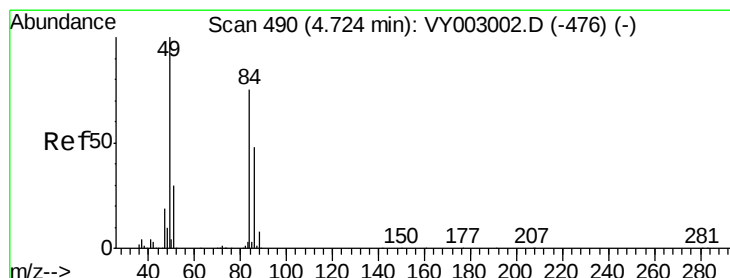
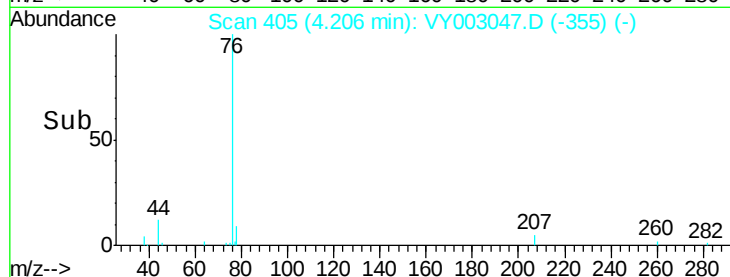
2000

1000

0

4.10 4.20 4.30

Time-->



#20

Methylene Chloride

Concen: 12.501 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003047.D

Acq: 30 Jun 2020 20:02

Tgt Ion: 84 Resp: 63617

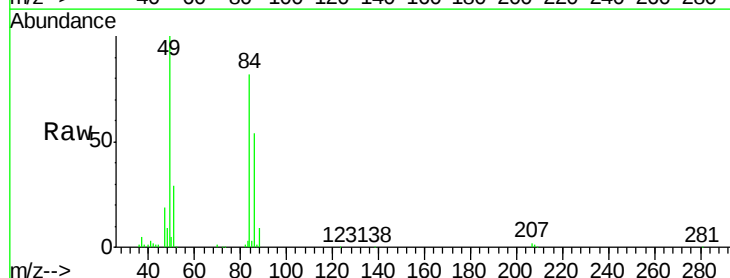
Ion Ratio Lower Upper

84 100

49 121.5 106.8 160.2

51 35.1 32.0 48.0

86 65.9 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

30000

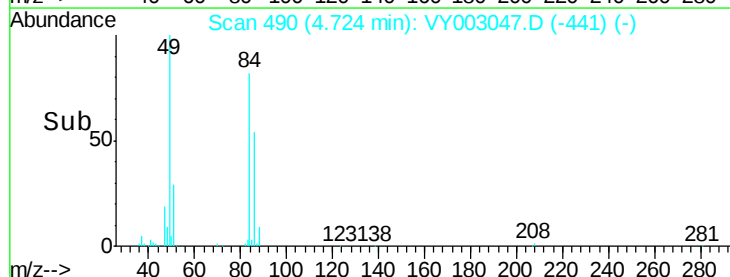
20000

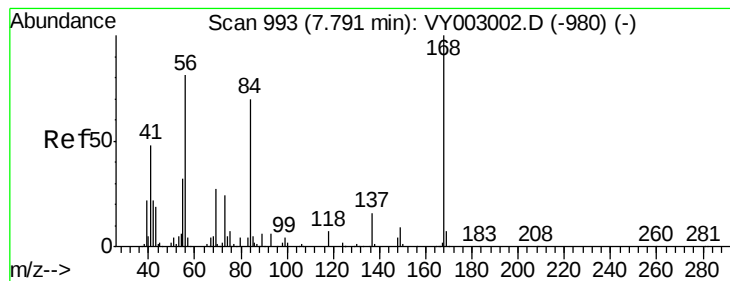
10000

0

4.60 4.70 4.80

Time-->





#31

Cyclohexane

Concen: 1.103 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003047.D

Acq: 30 Jun 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-580-582

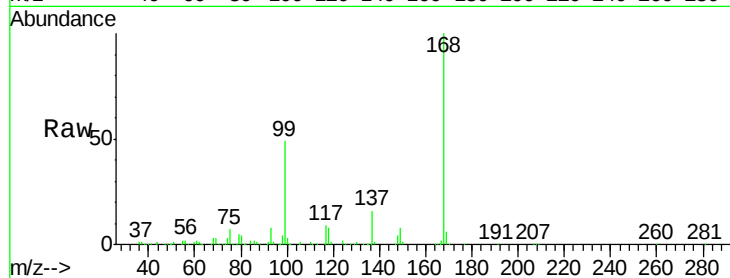
Tot Ion: 56 Resp: 6615

Ion Ratio Lower Upper

56 100

69 156.7 27.0 40.4#

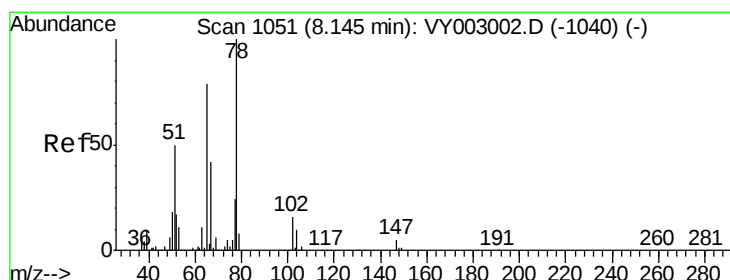
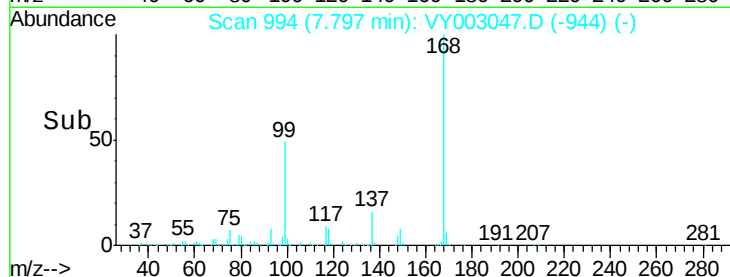
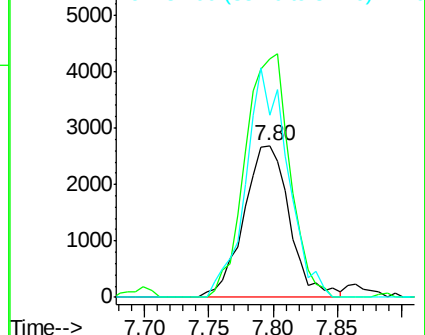
84 120.1 68.1 102.1#



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: 56.038 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003047.D

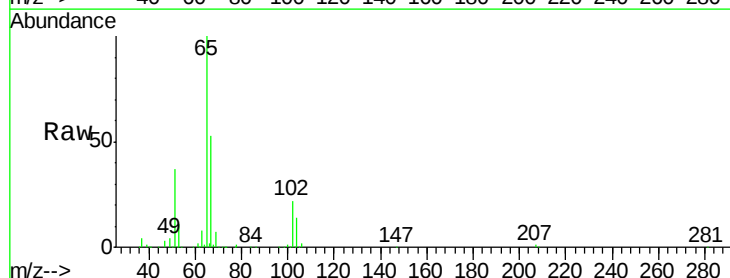
Acq: 30 Jun 2020 20:02

Tgt Ion: 65 Resp: 191065

Ion Ratio Lower Upper

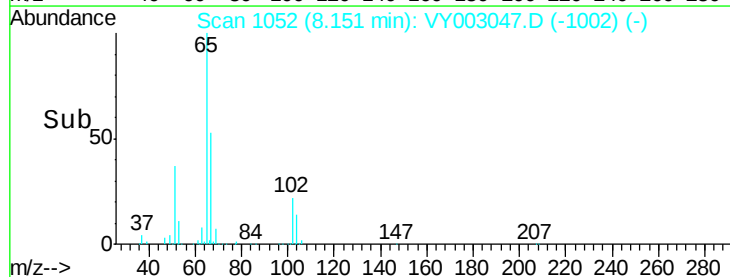
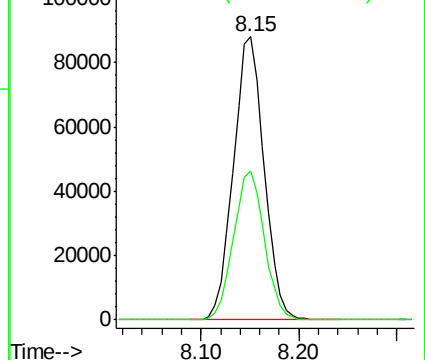
65 100

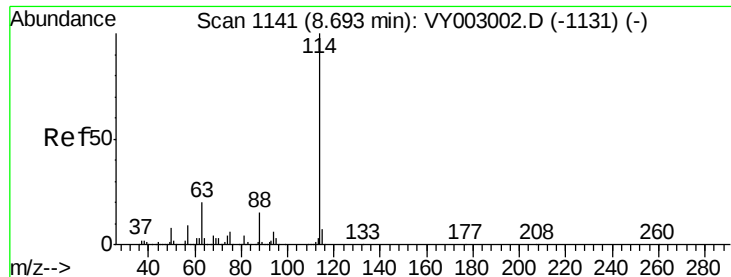
67 52.9 0.0 105.6



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: VY003047.D

Acq: 30 Jun 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-580-582

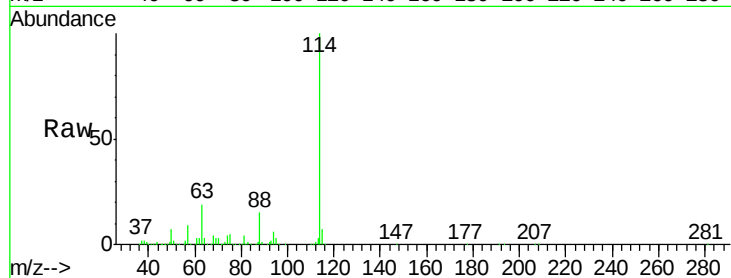
Tot Ion:114 Resp: 558052

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.6

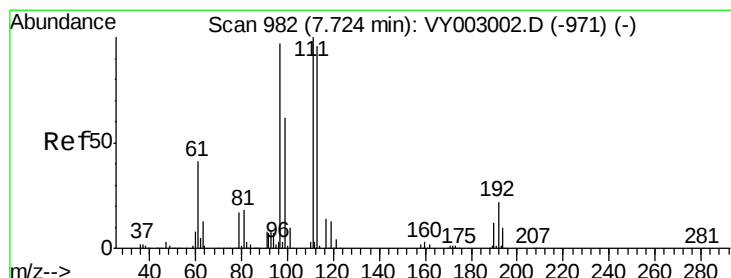
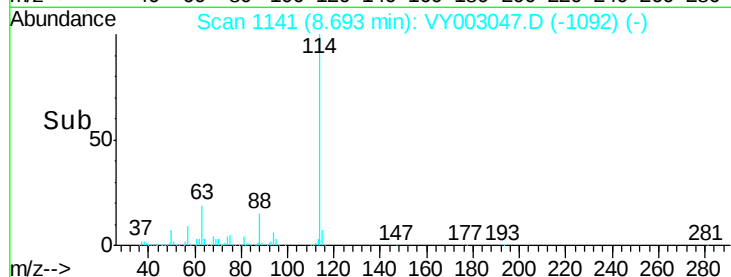
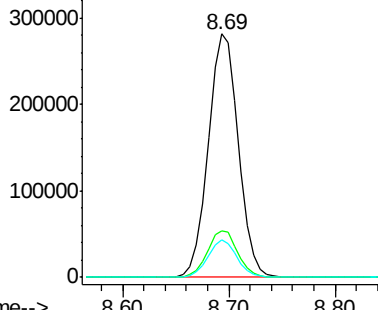
88 15.3 0.0 30.0



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: 52.704 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003047.D

Acq: 30 Jun 2020 20:02

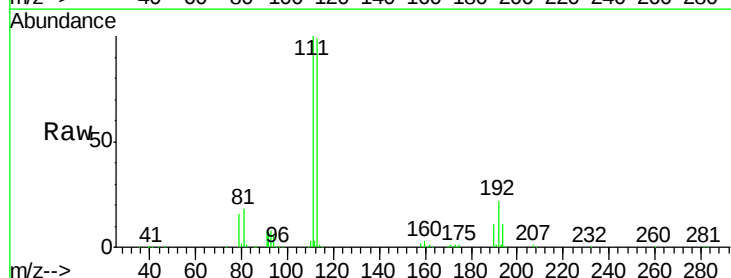
Tgt Ion:113 Resp: 183473

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

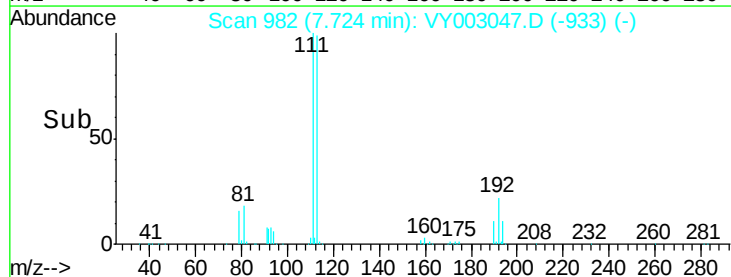
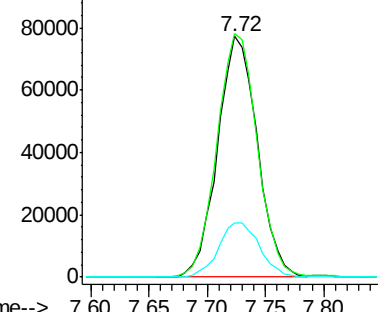
192 23.4 18.1 27.1

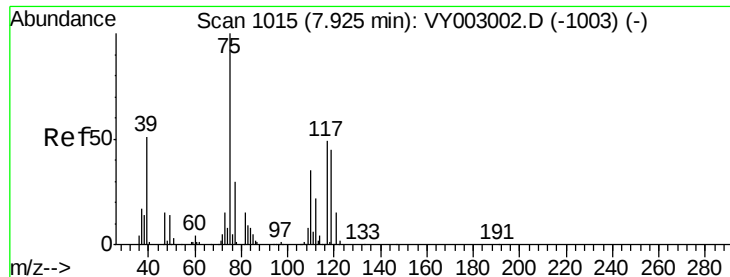


Abundance Ion 112.80 (112.50 to 113.50): V

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: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003047.D

Acq: 30 Jun 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-580-582

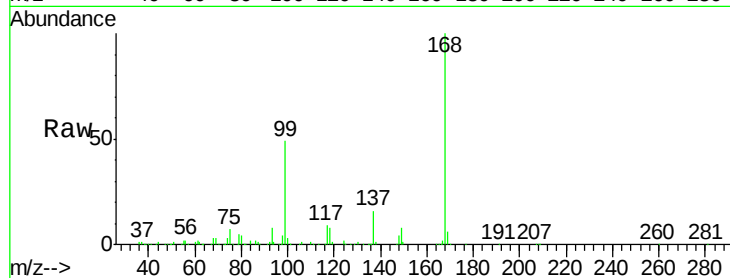
Tot Ion: 75 Resp: 23344

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

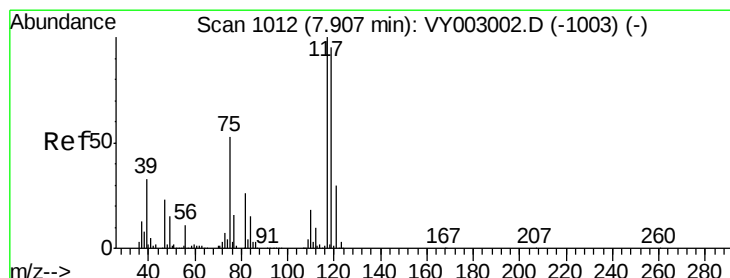
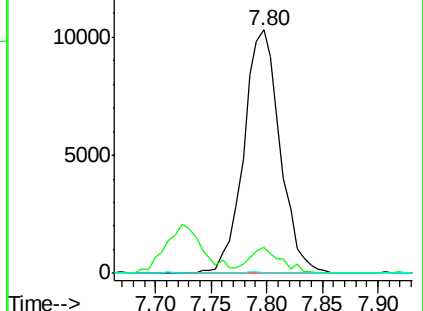
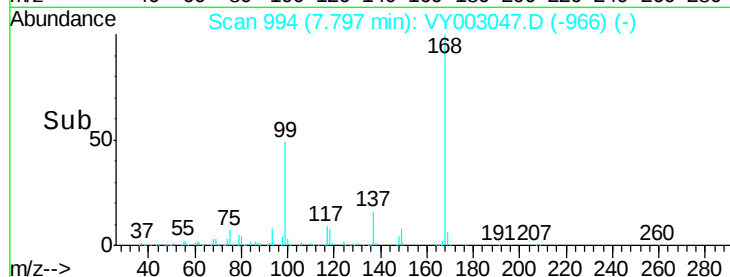
77 0.3 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VY003047.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003047.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003047.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 5.496 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY003047.D

Acq: 30 Jun 2020 20:02

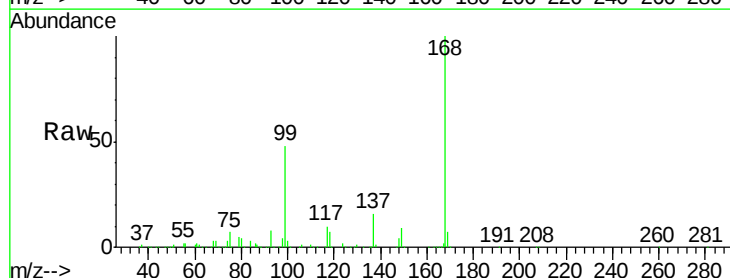
Tgt Ion: 117 Resp: 30737

Ion Ratio Lower Upper

117 100

119 4.4 75.7 113.5#

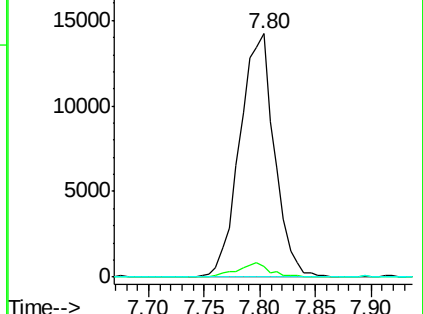
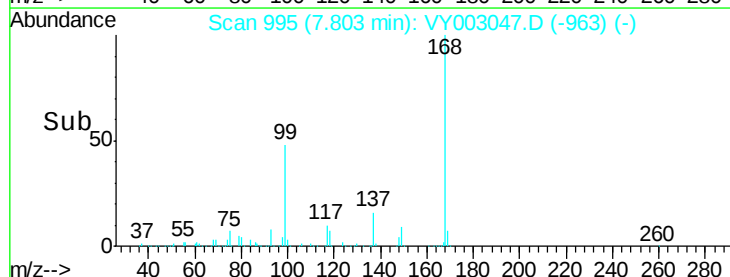
121 0.0 23.9 35.9#

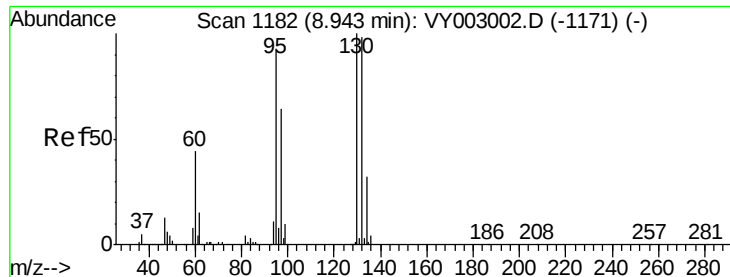


Abundance Ion 116.80 (116.50 to 117.50): VY003047.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003047.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003047.D (-963) (-)





#44

Trichloroethene

Concen: 28.945 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003047.D

Acq: 30 Jun 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

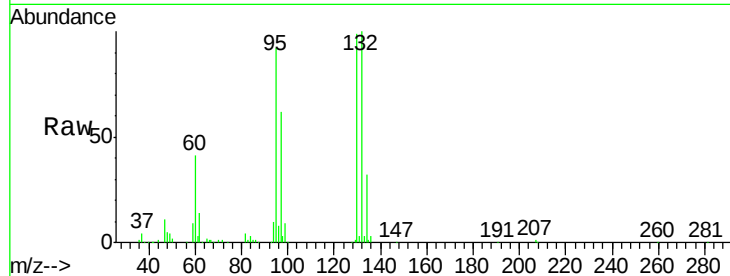
BP-MW180-SOIL-580-582

Tot Ion:130 Resp: 123808

Ion Ratio Lower Upper

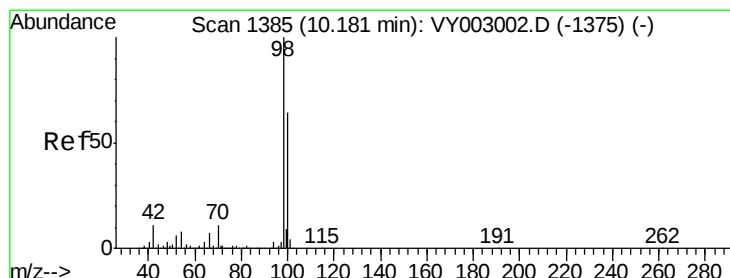
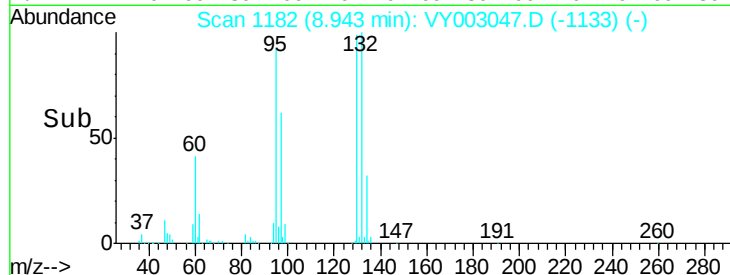
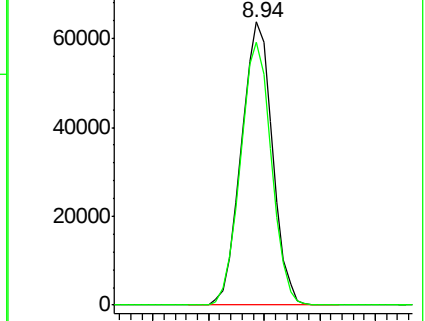
130 100

95 93.1 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VY0



#50

Toluene-d8

Concen: 51.635 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003047.D

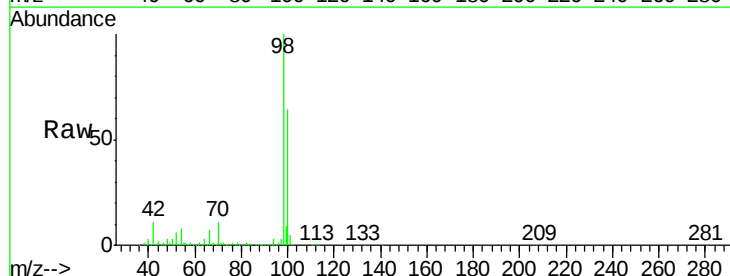
Acq: 30 Jun 2020 20:02

Tgt Ion: 98 Resp: 669665

Ion Ratio Lower Upper

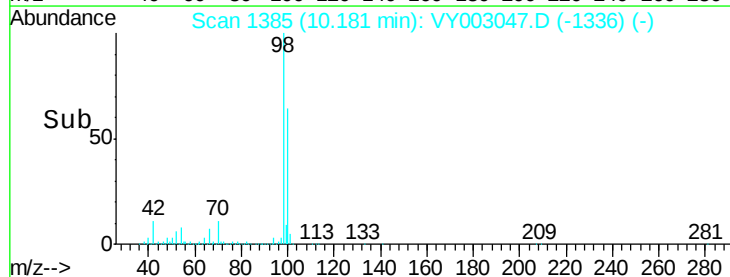
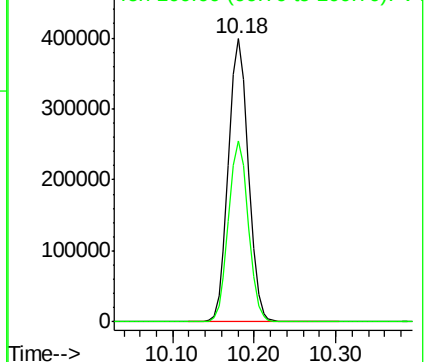
98 100

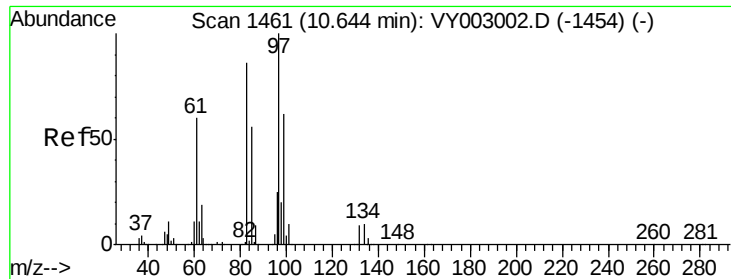
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

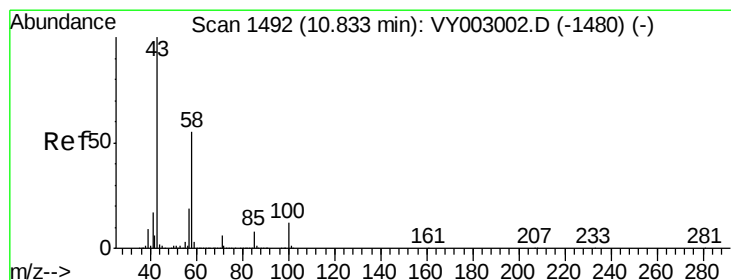
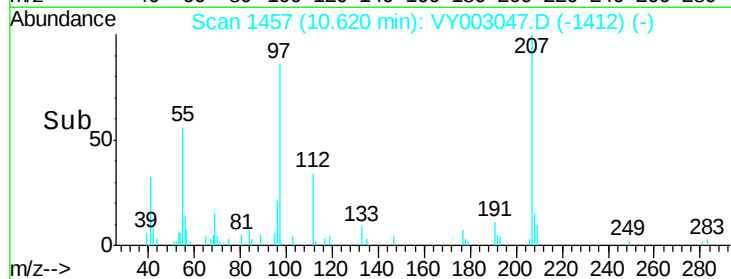
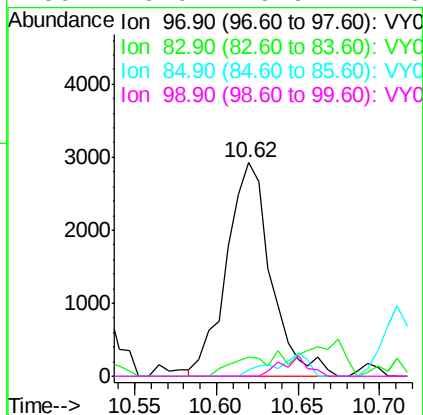
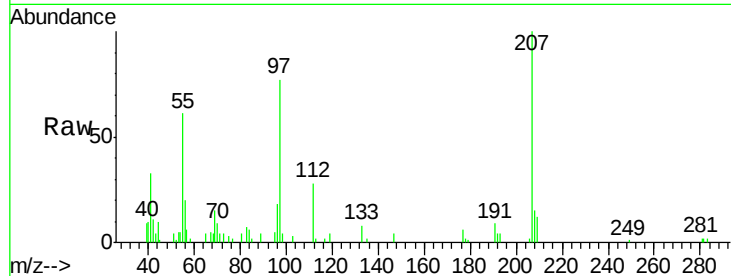




#55
 1,1,2-Trichloroethane
 Concen: 1.795 ug/l
 RT: 10.62 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: VY003047.D
 Acq: 30 Jun 2020 20:02

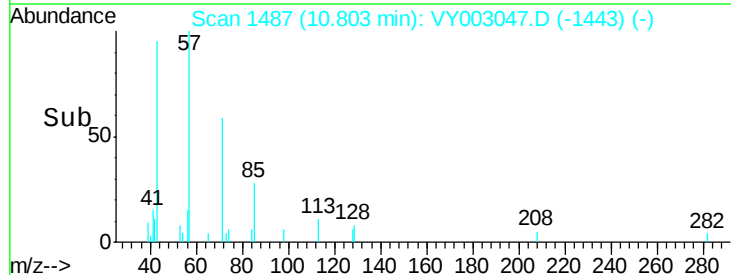
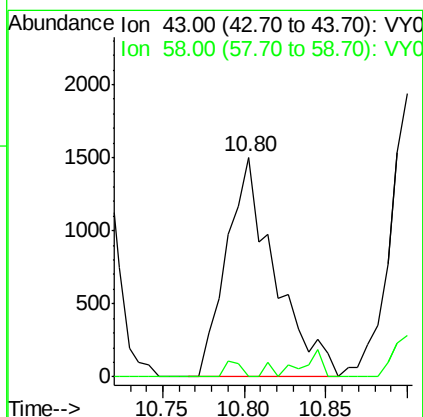
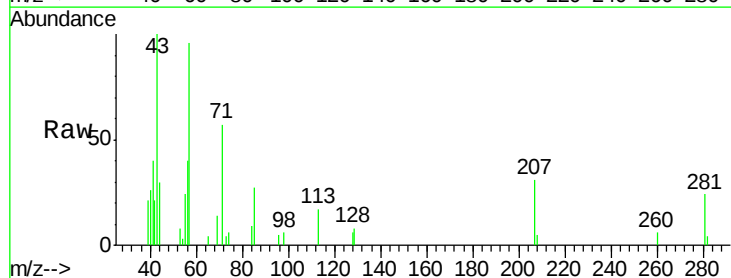
Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-MW180-SOIL-580-582

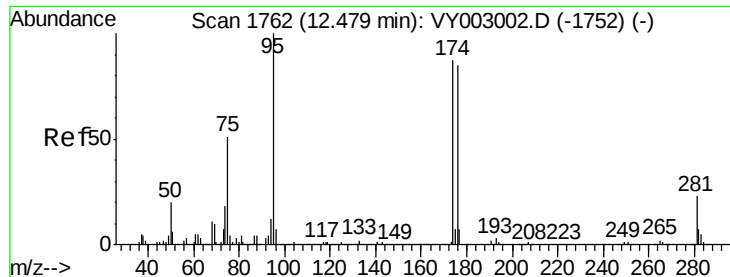
Tot Ion	Ratio	Lower	Upper
97	100		
83	9.2	69.0	103.6#
85	3.1	44.8	67.2#
99	0.0	49.9	74.9#



#59
 2-Hexanone
 Concen: 1.380 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.03 min
 Lab File: VY003047.D
 Acq: 30 Jun 2020 20:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	2.3	27.5	82.4#

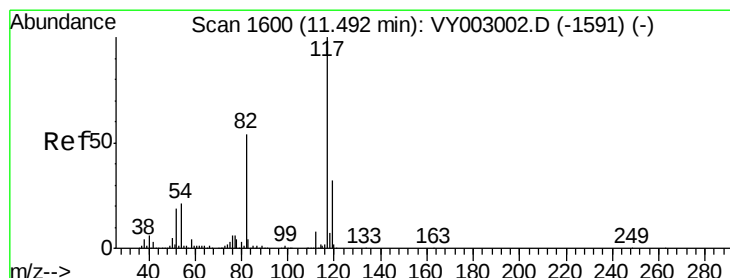
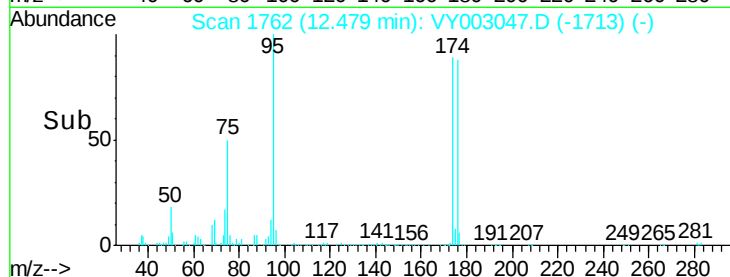
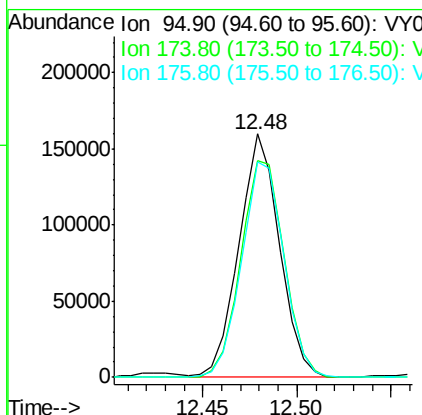
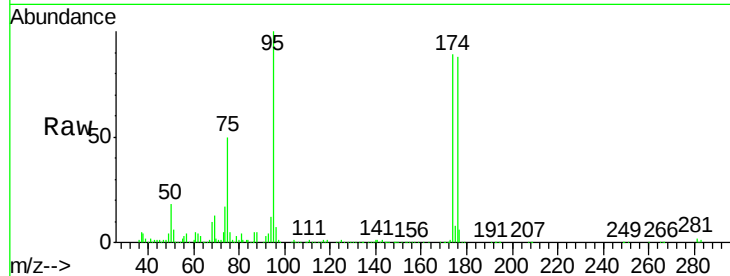




#62
4-Bromofluorobenzene
Concen: 52.017 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003047.D
Acq: 30 Jun 2020 20:02

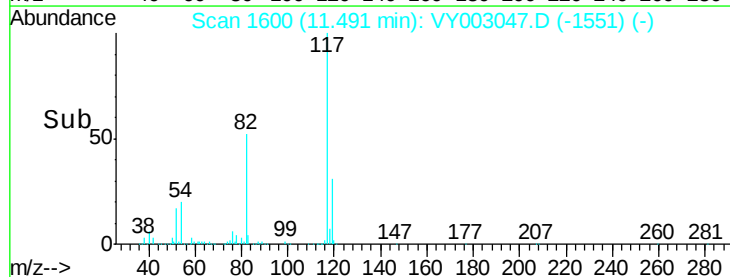
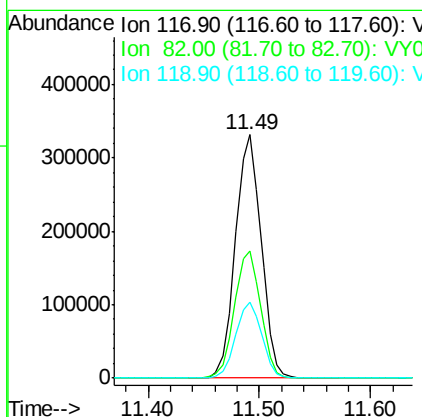
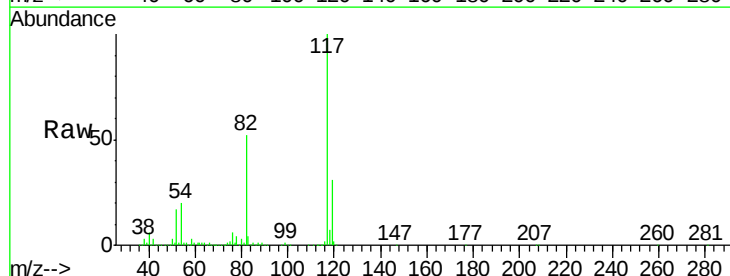
Instrument :
MSVOA_Y
ClientSampleId :
BP-MW180-SOIL-580-582

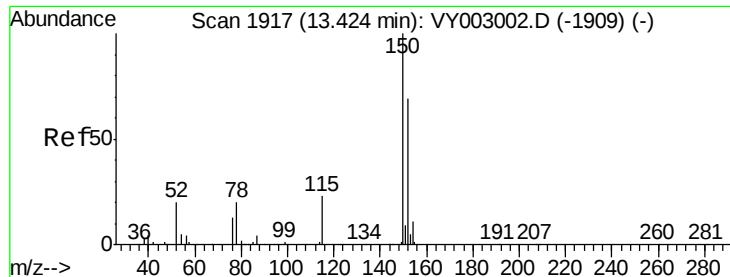
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	184.8
176	92.5	0.0	183.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003047.D
Acq: 30 Jun 2020 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.0	64.6
119	31.4	25.8	38.8



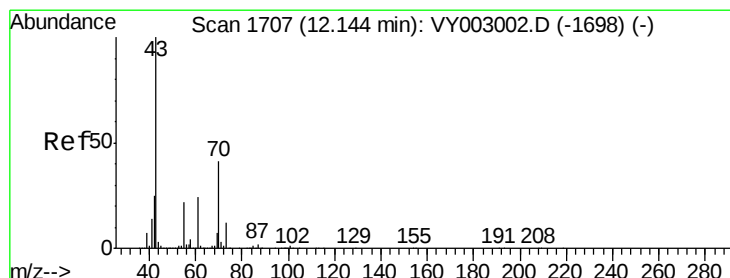
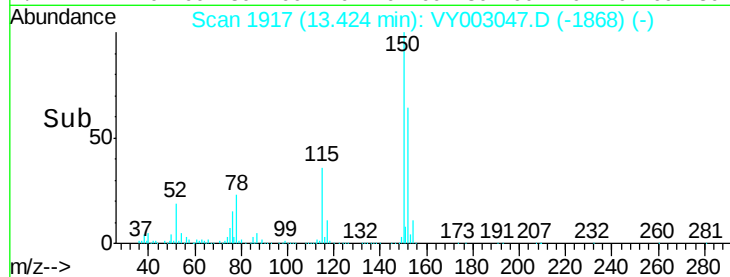
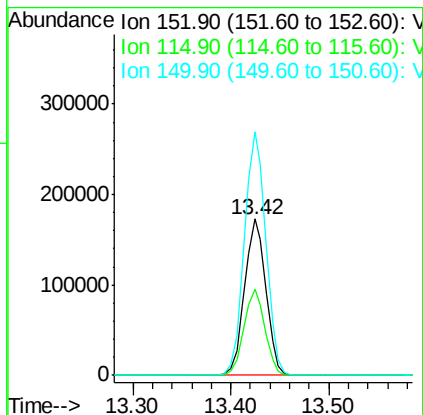
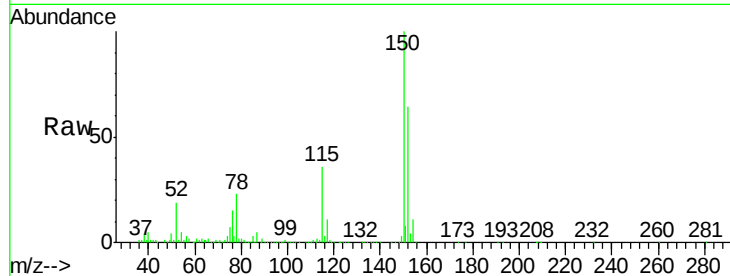


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003047.D
Acq: 30 Jun 2020 20:02

Instrument :
MSVOA_Y
ClientSampleId :
BP-MW180-SOIL-580-582

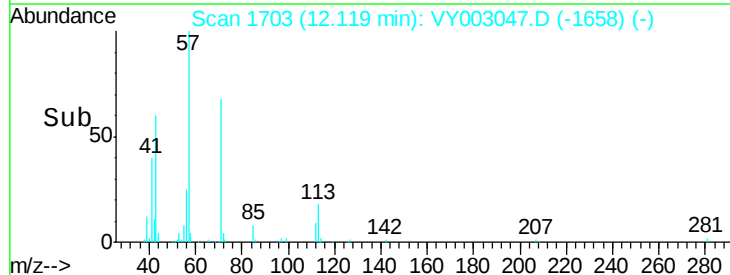
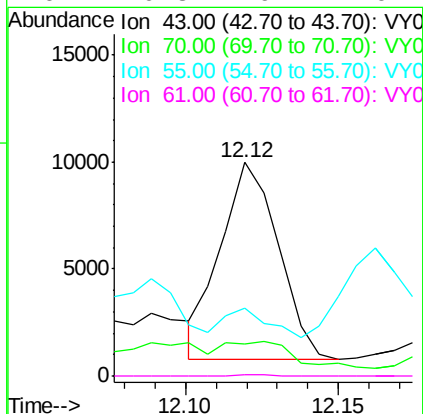
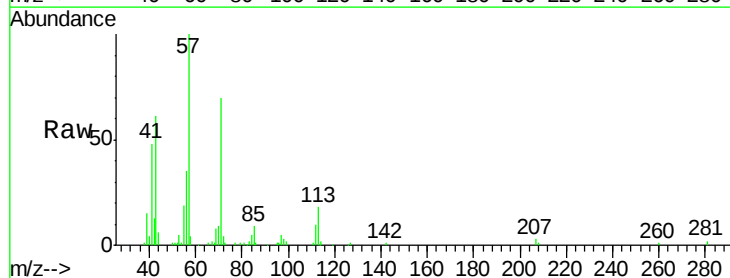
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.3	81.9
150	156.5	0.0	343.4

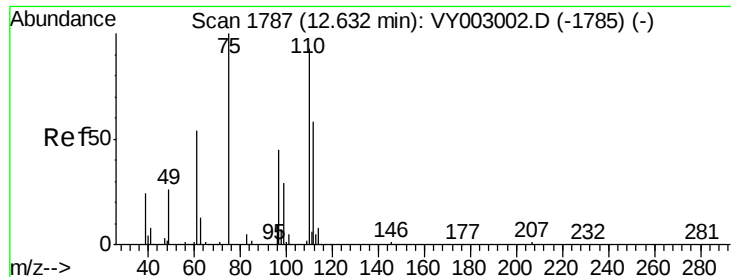


#74

N-ethyl acetate
Concen: 2.168 ug/l
RT: 12.12 min Scan# 1703
Delta R.T. -0.02 min
Lab File: VY003047.D
Acq: 30 Jun 2020 20:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	15.7	33.0	49.4#
55	0.0	18.2	27.2#
61	0.3	19.4	29.2#





#76

1,2,3-Trichloropropane

Concen: 46.891 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003047.D

Acq: 30 Jun 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

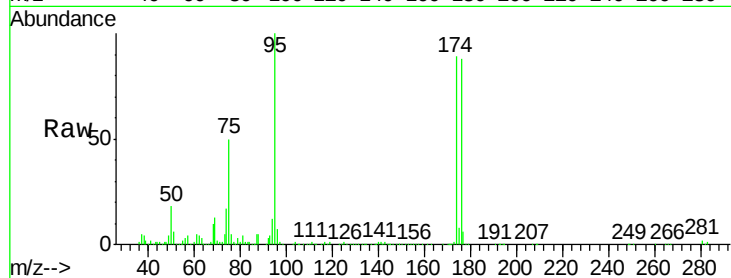
BP-MW180-SOIL-580-582

Tot Ion: 75 Resp: 121111

Ion Ratio Lower Upper

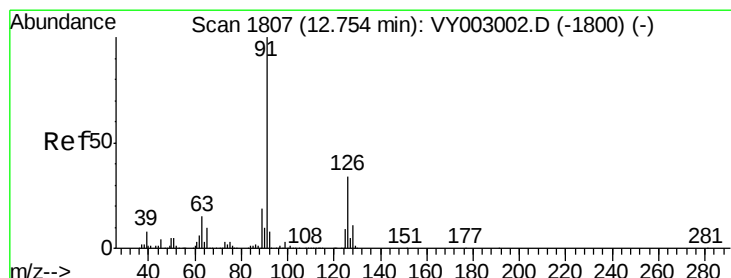
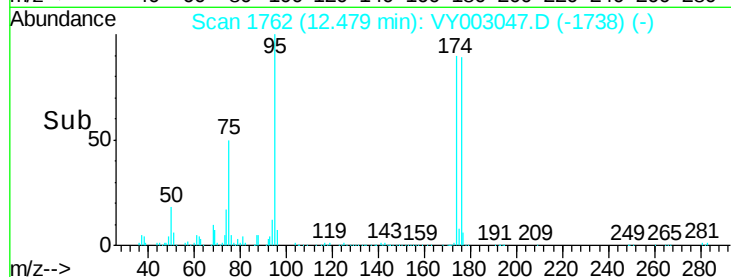
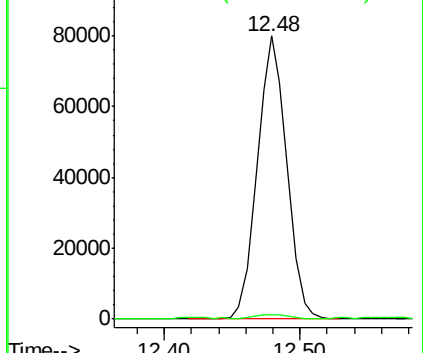
75 100

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: 1.480 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003047.D

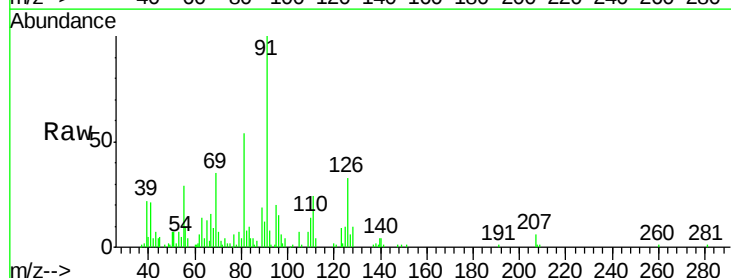
Acq: 30 Jun 2020 20:02

Tgt Ion: 91 Resp: 16969

Ion Ratio Lower Upper

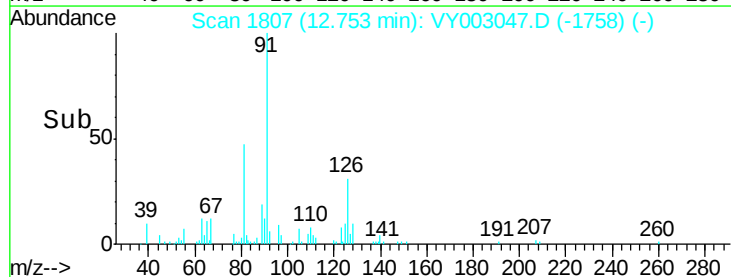
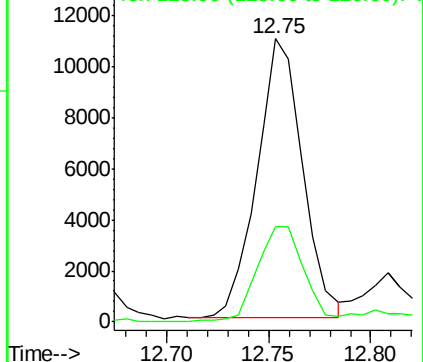
91 100

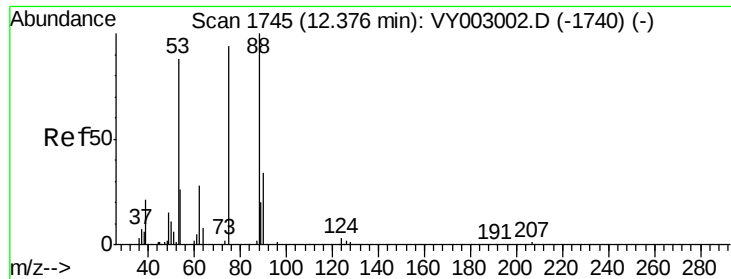
126 35.4 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 91.230 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003047.D

Acq: 30 Jun 2020 20:02

Instrument :

MSVOA_Y

ClientSampleId :

BP-MW180-SOIL-580-582

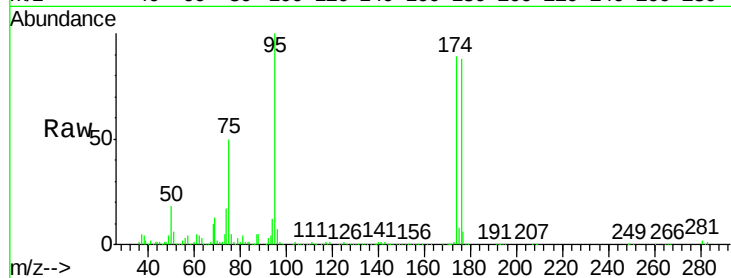
Tot Ion: 75 Resp: 121111

Ion Ratio Lower Upper

75 100

53 0.5 73.9 110.9#

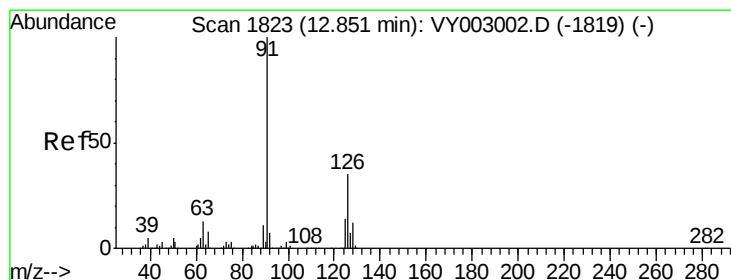
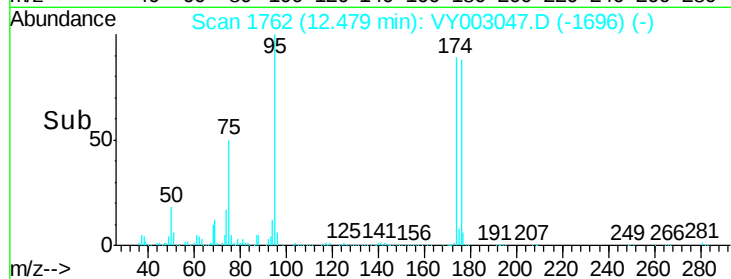
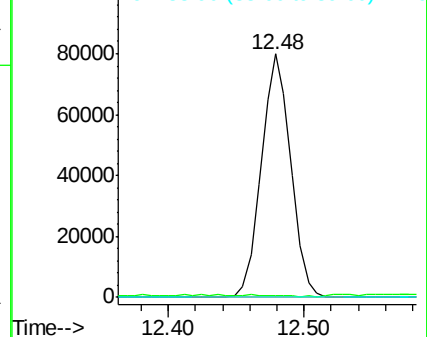
89 0.1 37.5 56.3#



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: 2.734 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003047.D

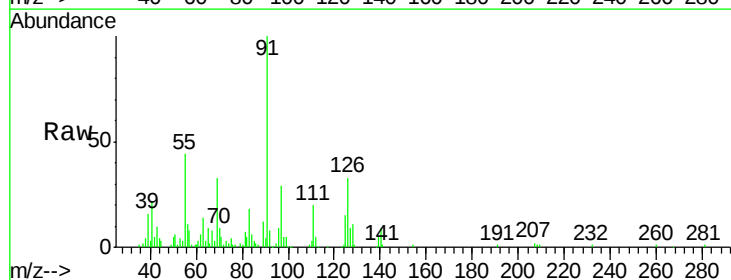
Acq: 30 Jun 2020 20:02

Tgt Ion: 91 Resp: 32633

Ion Ratio Lower Upper

91 100

126 36.1 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

