

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
 Data File : VY020490.D
 Acq On : 02 Dec 2024 17:08
 Operator : SY/MD
 Sample : P5025-04
 Misc : 6.87g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-WEST-GRAB

Quant Time: Dec 02 21:58:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 02 14:47:59 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

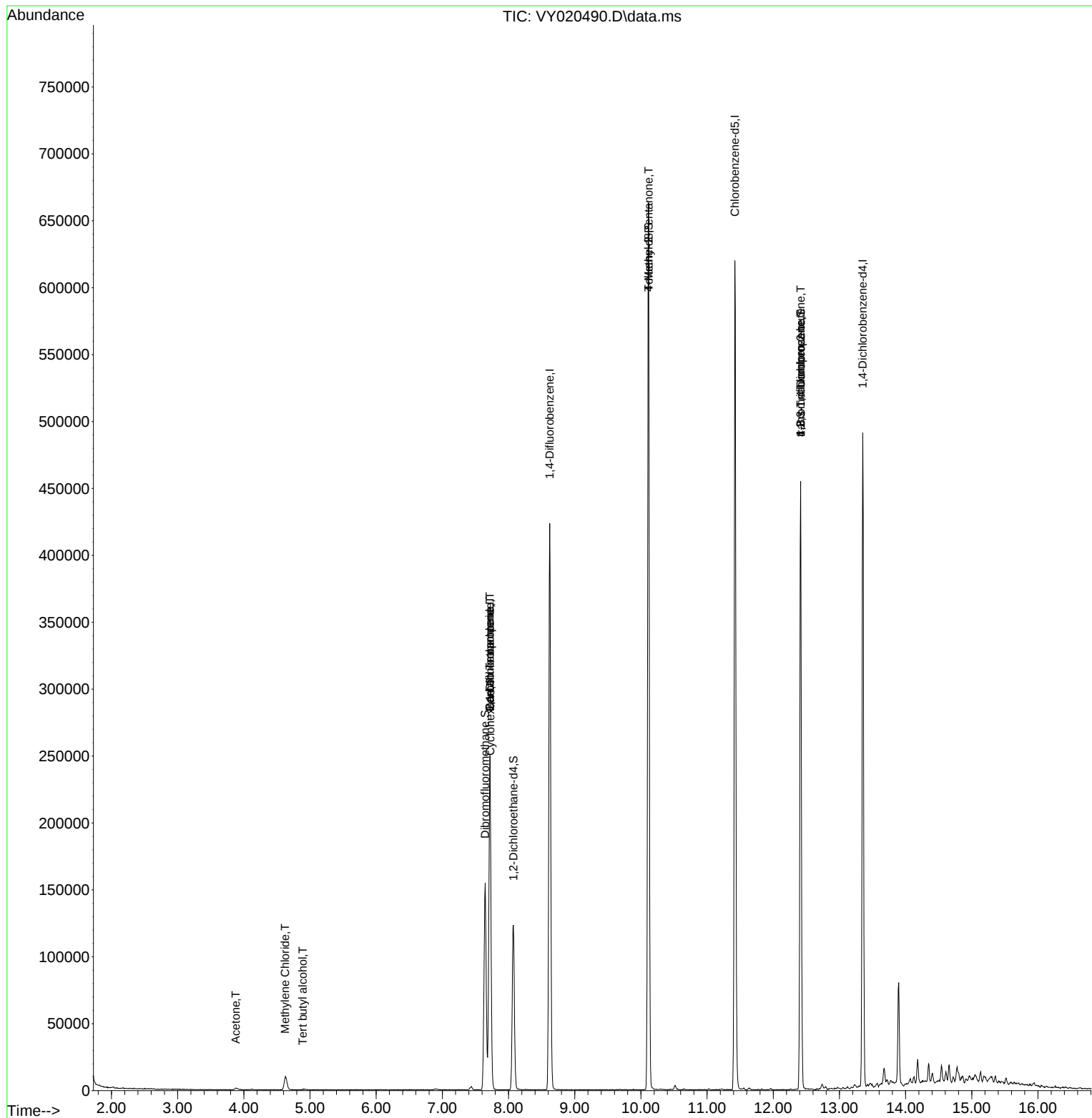
Internal Standards						
1) Pentafluorobenzene	7.719	168	181590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	354018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	326035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	117513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	103483	56.034	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.060%	
35) Dibromofluoromethane	7.646	113	106262	47.679	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.360%	
50) Toluene-d8	10.115	98	426074	50.206	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.420%	
62) 4-Bromofluorobenzene	12.414	95	135363	45.605	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	= 91.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.891	59	130	1.085	ug/l #	73
16) Acetone	3.879	43	2573	5.603	ug/l	96
20) Methylene Chloride	4.622	84	7383	3.780	ug/l	86
31) Cyclohexane	7.725	56	3987	1.096	ug/l #	23
36) 1,1-Dichloropropene	7.719	75	14621	3.885	ug/l #	53
38) Carbon Tetrachloride	7.719	117	19290	4.294	ug/l #	15
51) 4-Methyl-2-Pentanone	10.115	43	1980	1.332	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	74373	62.128	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	74373	127.478	ug/l #	9

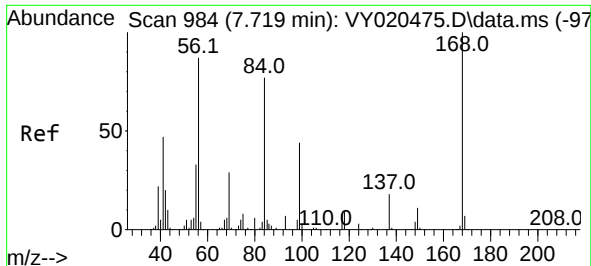
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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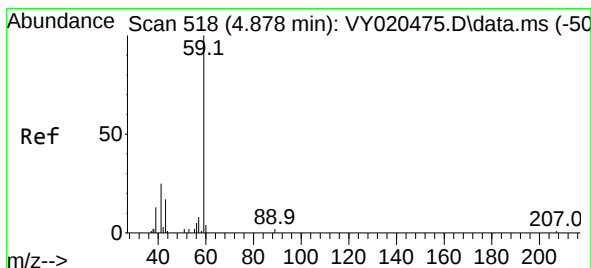
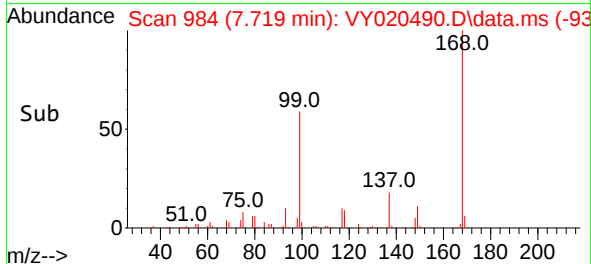
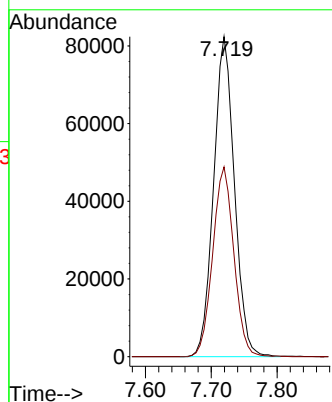
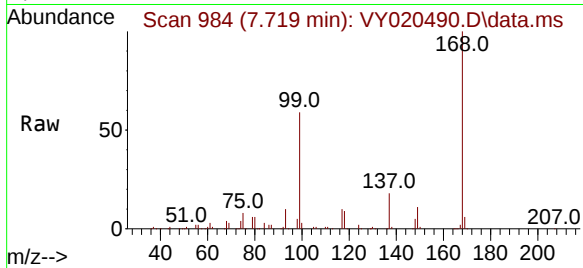




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020490.D
Acq: 02 Dec 2024 17:08

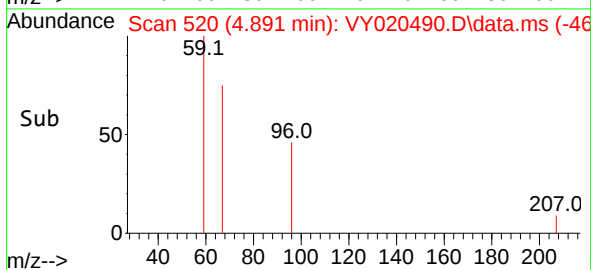
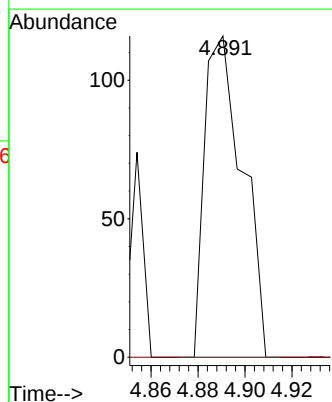
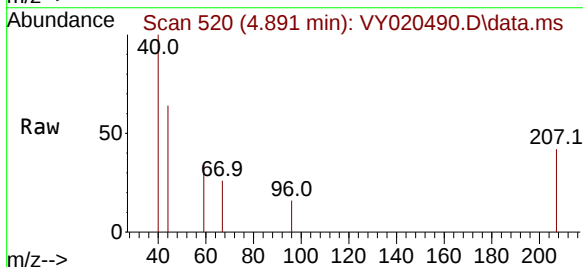
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-WEST-GRAB

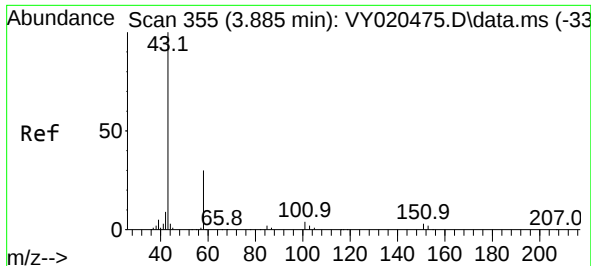
Tgt Ion:168 Resp: 181590
Ion Ratio Lower Upper
168 100
99 59.3 46.6 69.8



#11
Tert butyl alcohol
Concen: 1.085 ug/l
RT: 4.891 min Scan# 520
Delta R.T. 0.012 min
Lab File: VY020490.D
Acq: 02 Dec 2024 17:08

Tgt Ion: 59 Resp: 130
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 5.603 ug/l

RT: 3.879 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY020490.D

Acq: 02 Dec 2024 17:08

Instrument :

MSVOA_Y

ClientSampleId :

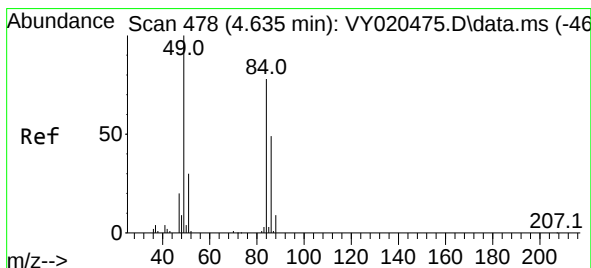
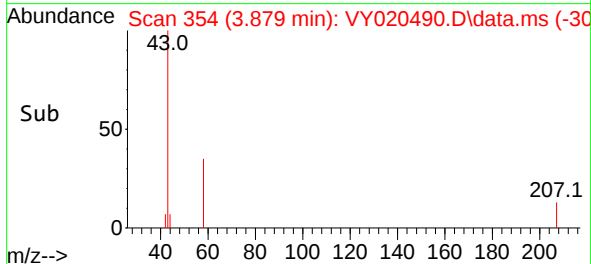
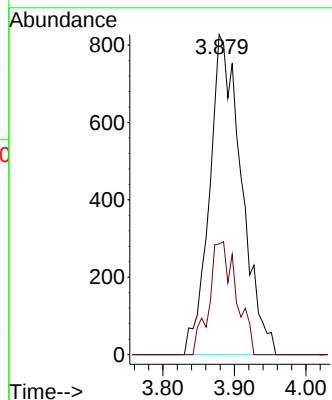
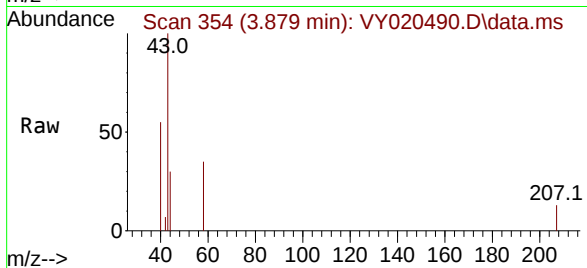
SOIL-WEST-GRAB

Tgt Ion: 43 Resp: 2573

Ion Ratio Lower Upper

43 100

58 34.6 25.7 38.5



#20

Methylene Chloride

Concen: 3.780 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY020490.D

Acq: 02 Dec 2024 17:08

Tgt Ion: 84 Resp: 7383

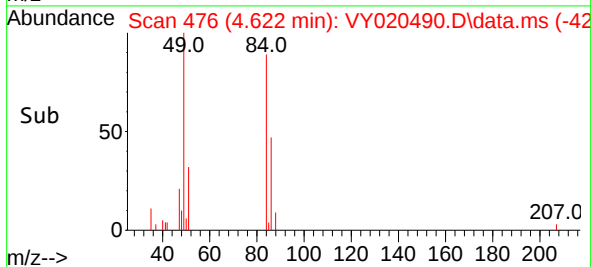
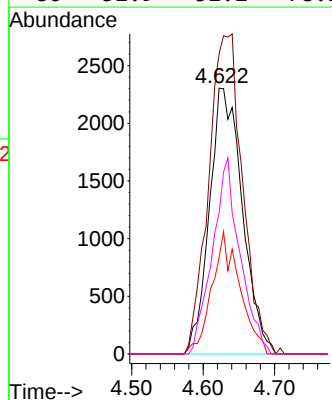
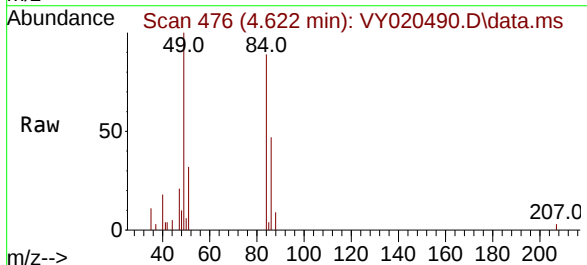
Ion Ratio Lower Upper

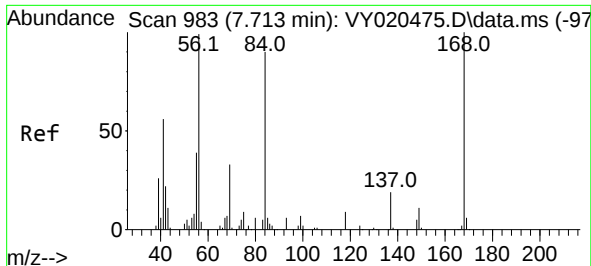
84 100

49 112.9 104.7 157.1

51 36.2 33.4 50.0

86 52.9 52.2 78.2

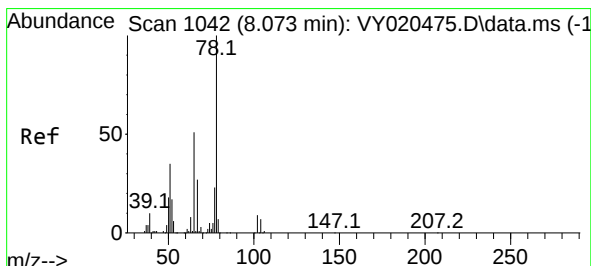
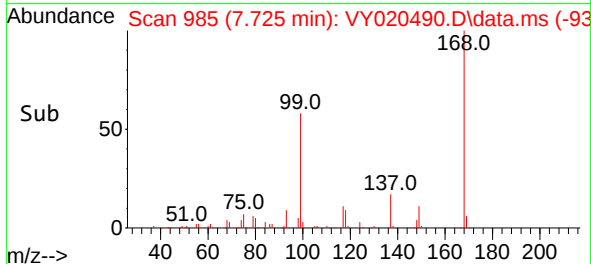
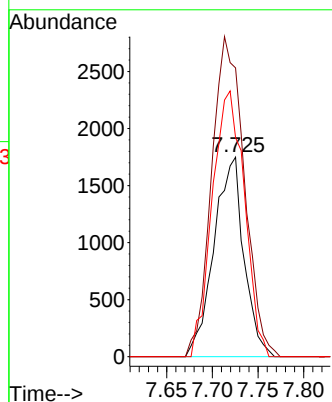
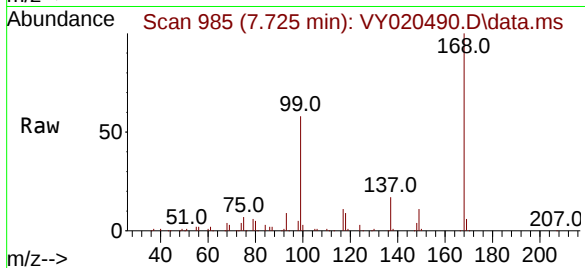




#31
Cyclohexane
Concen: 1.096 ug/l
RT: 7.725 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY020490.D
Acq: 02 Dec 2024 17:08

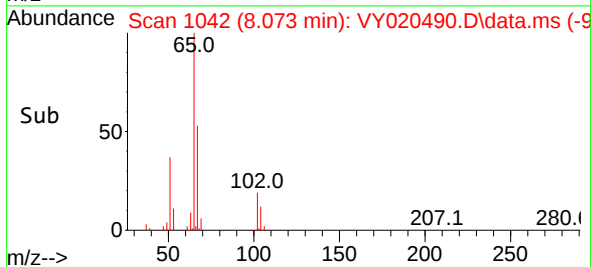
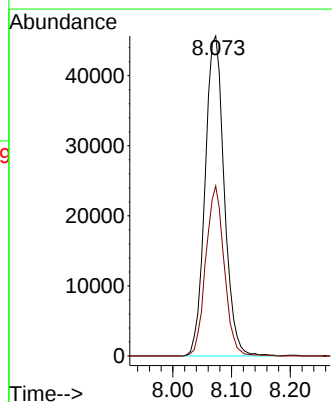
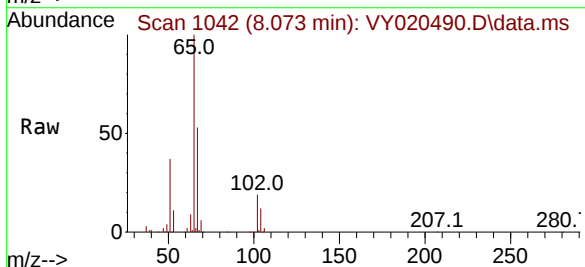
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-WEST-GRAB

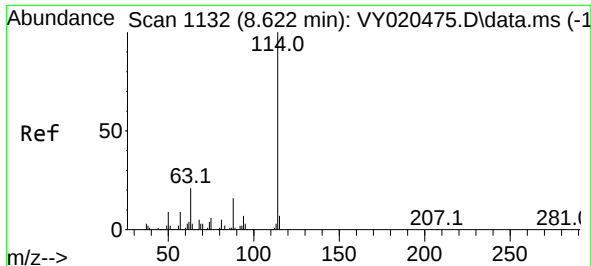
Tgt Ion: 56 Resp: 3987
Ion Ratio Lower Upper
56 100
69 144.7 25.3 37.9#
84 109.8 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 56.034 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY020490.D
Acq: 02 Dec 2024 17:08

Tgt Ion: 65 Resp: 103483
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY020490.D

Acq: 02 Dec 2024 17:08

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-WEST-GRAB

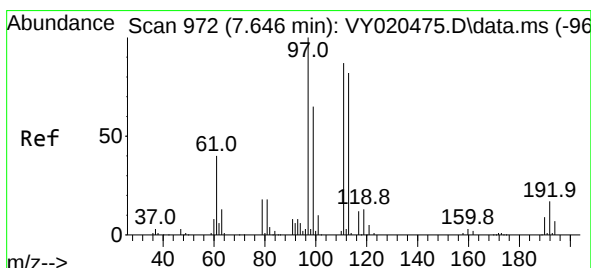
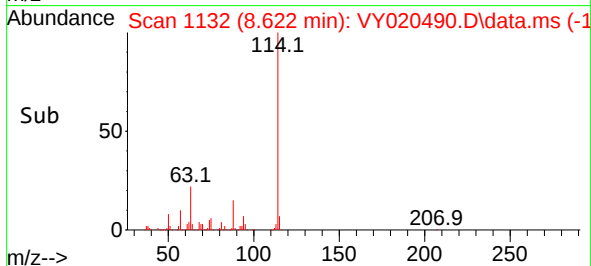
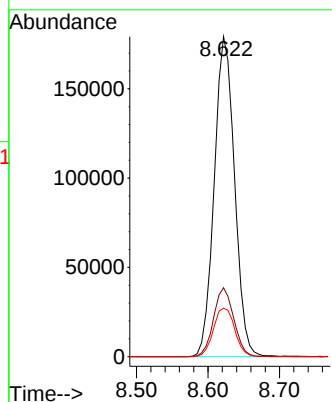
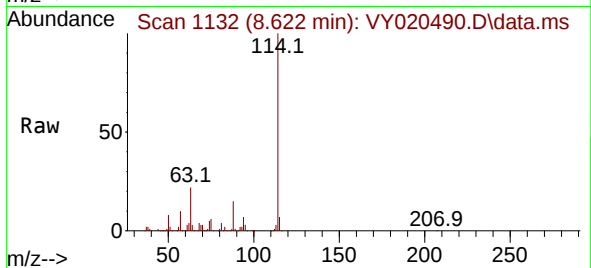
Tgt Ion:114 Resp: 354018

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.8

88 15.2 0.0 32.0



#35

Dibromofluoromethane

Concen: 47.679 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY020490.D

Acq: 02 Dec 2024 17:08

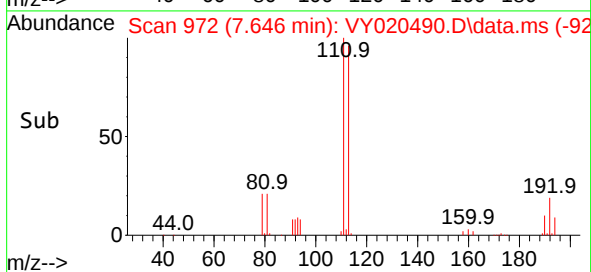
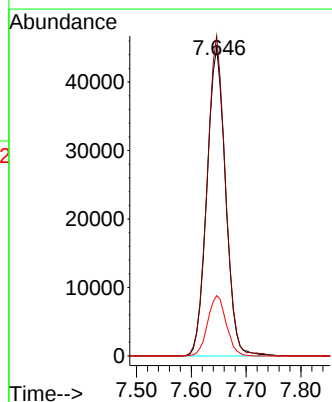
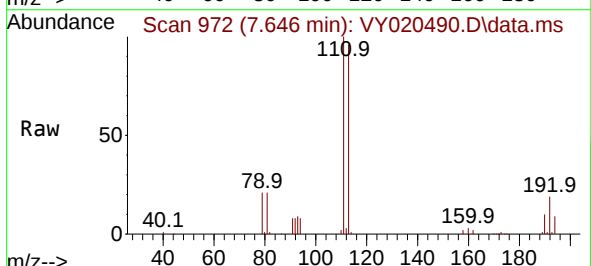
Tgt Ion:113 Resp: 106262

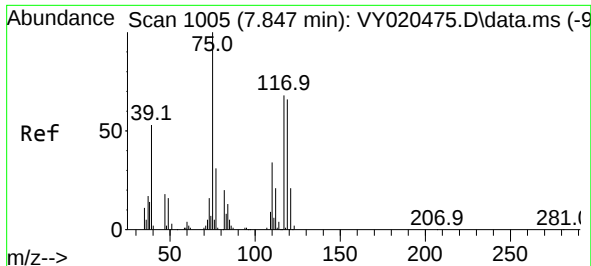
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 19.4 15.1 22.7





#36

1,1-Dichloropropene

Concen: 3.885 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.122 min

Lab File: VY020490.D

Acq: 02 Dec 2024 17:08

Instrument :

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ClientSampleId :

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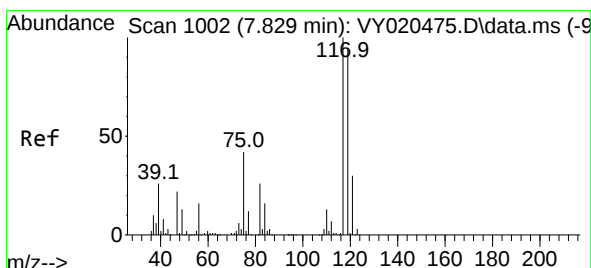
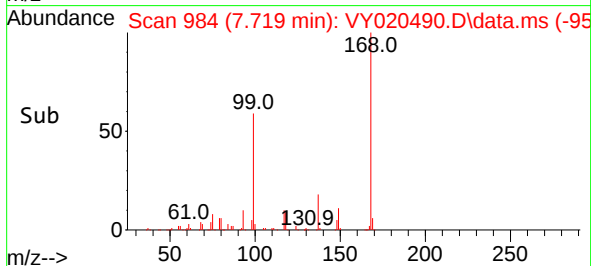
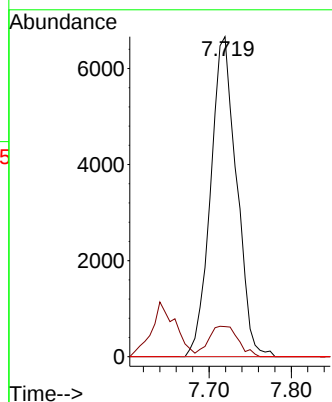
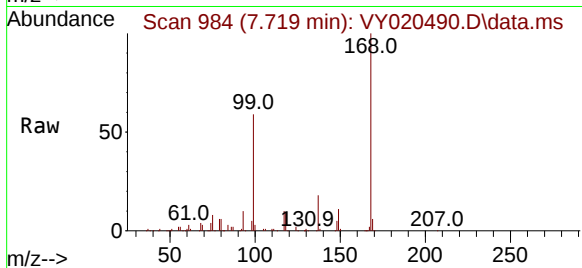
Tgt Ion: 75 Resp: 14621

Ion Ratio Lower Upper

75 100

110 10.8 16.7 50.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 4.294 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.104 min

Lab File: VY020490.D

Acq: 02 Dec 2024 17:08

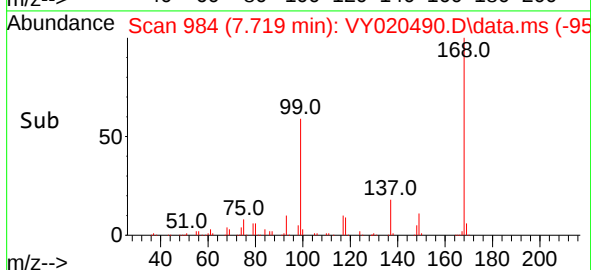
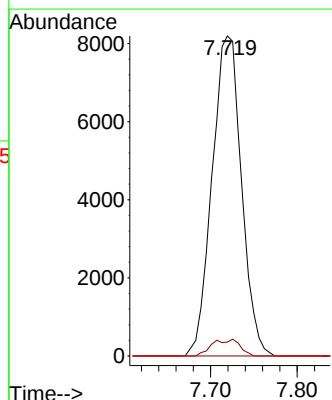
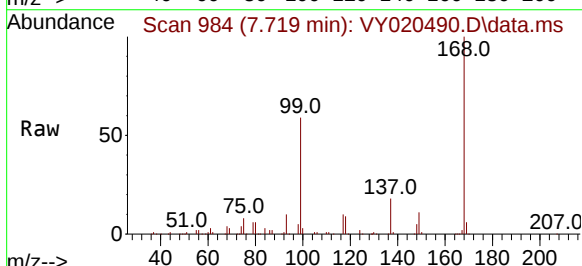
Tgt Ion: 117 Resp: 19290

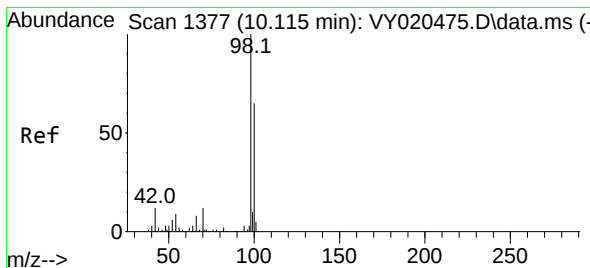
Ion Ratio Lower Upper

117 100

119 4.3 77.8 116.6#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 50.206 ug/l

RT: 10.115 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY020490.D

Acq: 02 Dec 2024 17:08

Instrument :

MSVOA_Y

ClientSampleId :

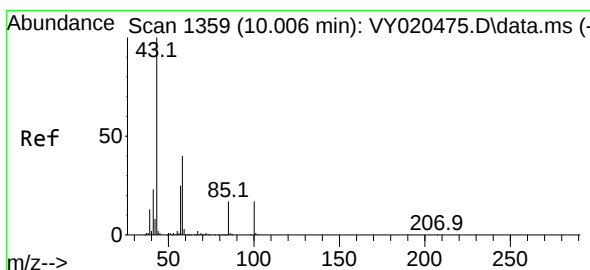
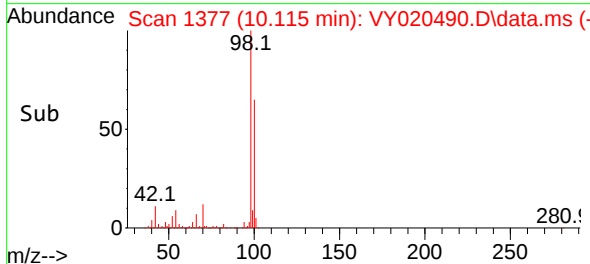
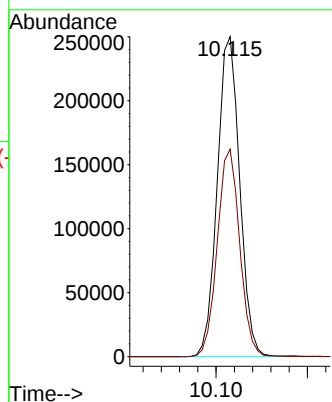
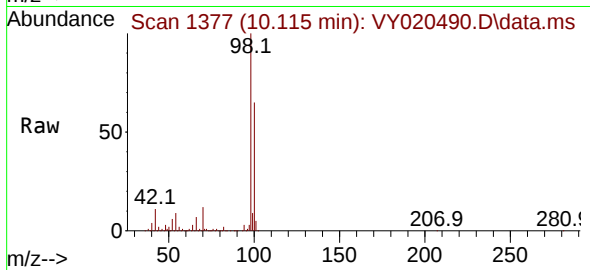
SOIL-WEST-GRAB

Tgt Ion: 98 Resp: 426074

Ion Ratio Lower Upper

98 100

100 64.8 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.332 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.116 min

Lab File: VY020490.D

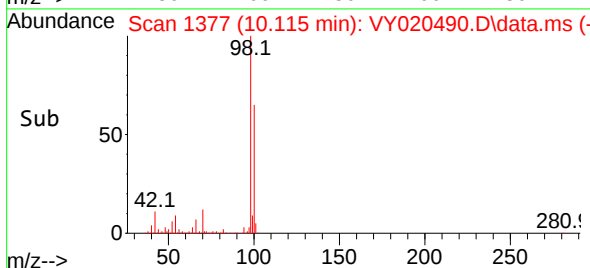
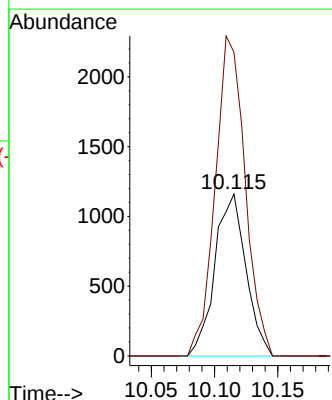
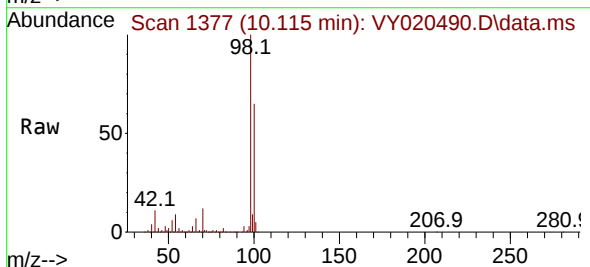
Acq: 02 Dec 2024 17:08

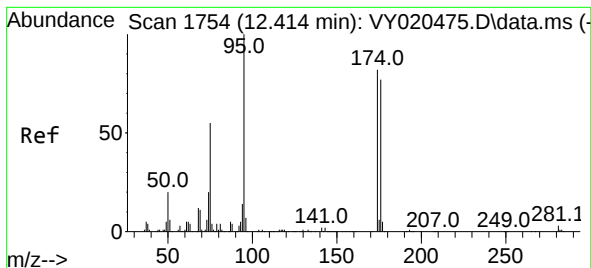
Tgt Ion: 43 Resp: 1980

Ion Ratio Lower Upper

43 100

58 190.4 30.9 46.3#

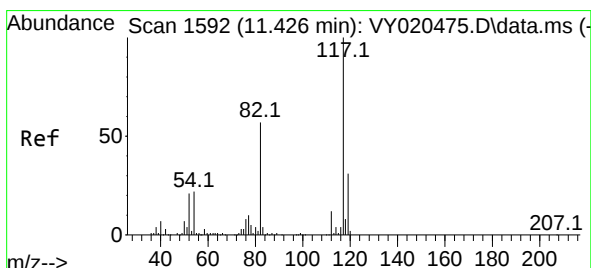
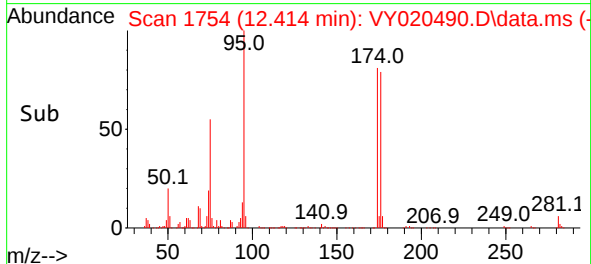
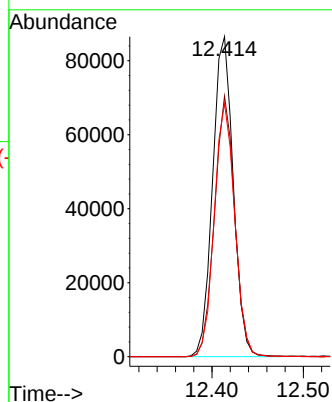
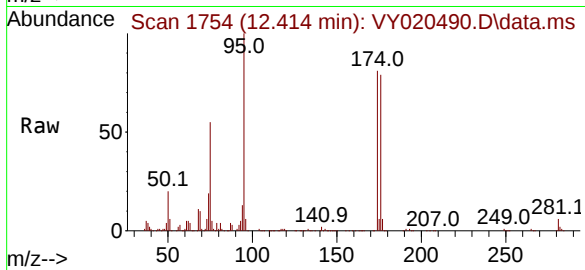




#62
4-Bromofluorobenzene
Concen: 45.605 ug/l
RT: 12.414 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY020490.D
Acq: 02 Dec 2024 17:08

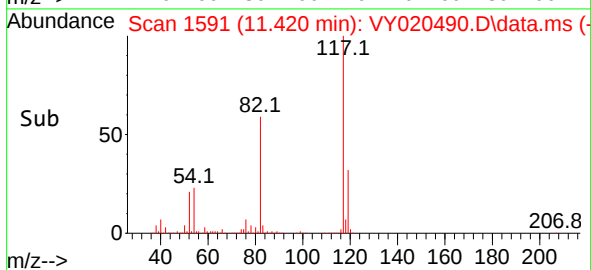
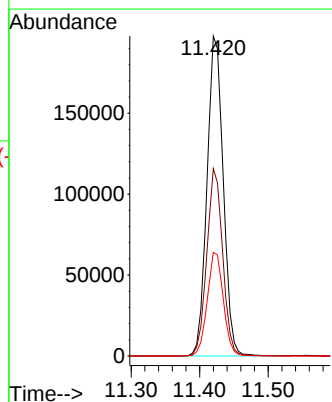
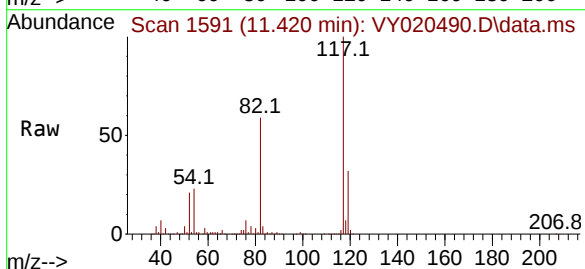
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-WEST-GRAB

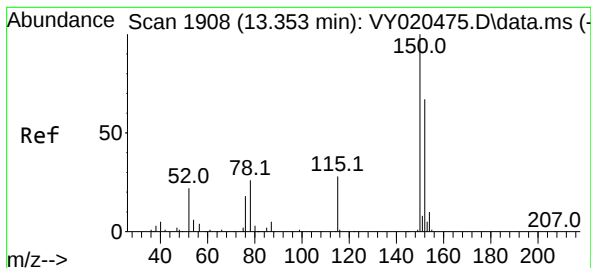
Tgt Ion: 95 Resp: 135363
Ion Ratio Lower Upper
95 100
174 79.9 0.0 156.8
176 78.8 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY020490.D
Acq: 02 Dec 2024 17:08

Tgt Ion: 117 Resp: 326035
Ion Ratio Lower Upper
117 100
82 58.5 48.2 72.4
119 32.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY020490.D

Acq: 02 Dec 2024 17:08

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-WEST-GRAB

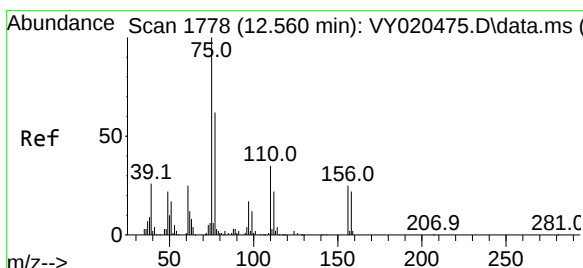
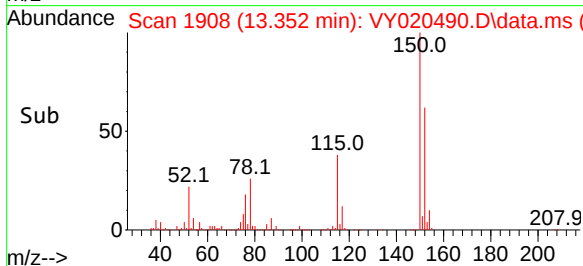
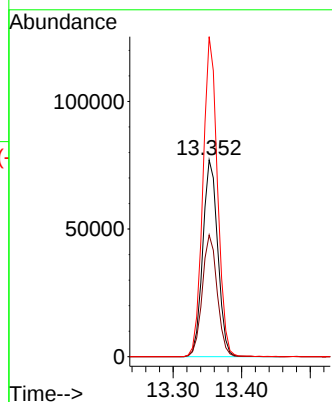
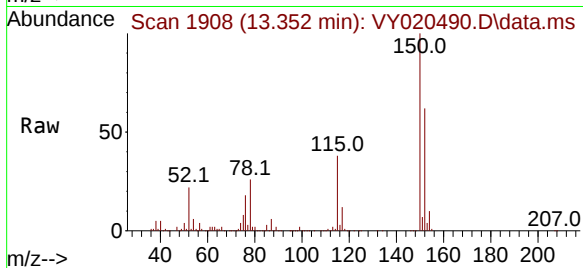
Tgt Ion:152 Resp: 117513

Ion Ratio Lower Upper

152 100

115 61.6 30.0 90.0

150 157.9 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 62.128 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.140 min

Lab File: VY020490.D

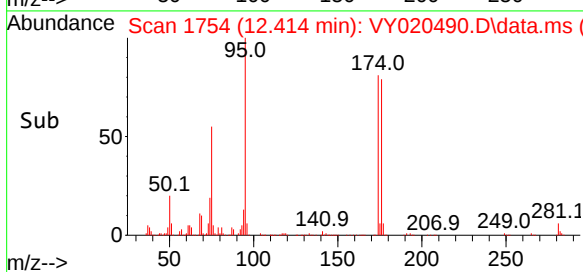
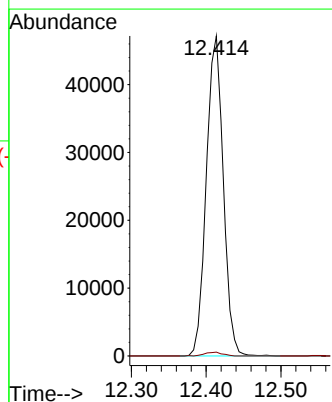
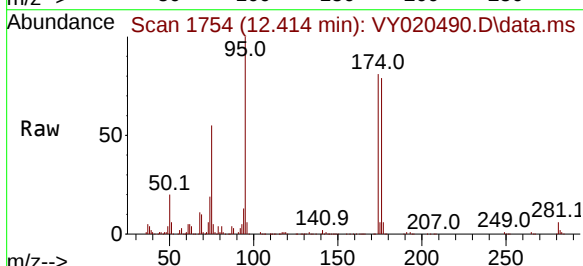
Acq: 02 Dec 2024 17:08

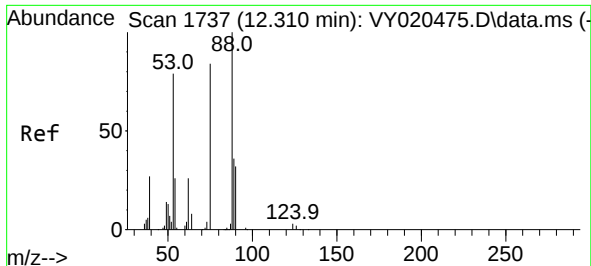
Tgt Ion: 75 Resp: 74373

Ion Ratio Lower Upper

75 100

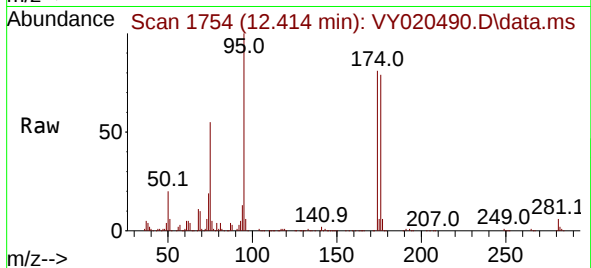
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.478 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY020490.D
 Acq: 02 Dec 2024 17:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-WEST-GRAB



Tgt Ion: 75 Resp: 74373
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.1 121.7#
 89 0.0 35.1 52.7#

