

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
 Data File : VY020488.D
 Acq On : 02 Dec 2024 16:21
 Operator : SY/MD
 Sample : P5026-04
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-1-HAM-GRAB

Quant Time: Dec 02 21:58:09 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)

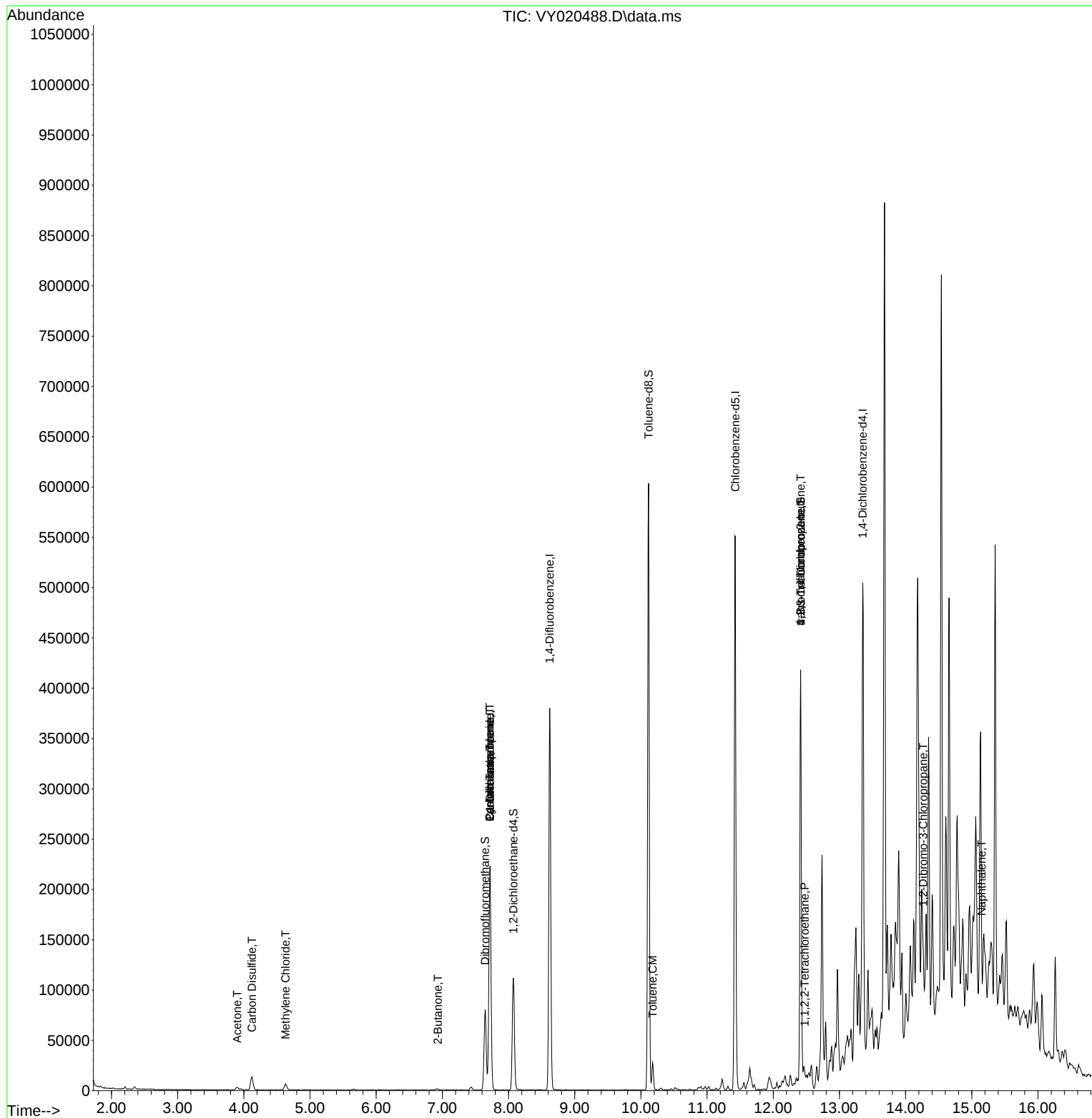
Internal Standards						
1) Pentafluorobenzene	7.719	168	162960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	318573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	289732	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.352	152	105689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	94036	56.739	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.480%	
35) Dibromofluoromethane	7.646	113	55593	27.719	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 55.440%	
50) Toluene-d8	10.115	98	384370	50.331	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.660%	
62) 4-Bromofluorobenzene	12.414	95	119499	44.740	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	= 89.480%	
Target Compounds						
					Qvalue	
16) Acetone	3.897	43	5671	13.761	ug/l #	88
17) Carbon Disulfide	4.122	76	26927	5.562	ug/l	96
20) Methylene Chloride	4.628	84	4228	2.412	ug/l	86
25) 2-Butanone	6.933	43	935	1.797	ug/l #	84
31) Cyclohexane	7.719	56	3576	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.719	75	13523	3.993	ug/l #	52
38) Carbon Tetrachloride	7.719	117	17043	4.216	ug/l #	17
52) Toluene	10.176	92	10761	1.727	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.475	83	1485	1.010	ug/l #	25
76) 1,2,3-Trichloropropane	12.414	75	66723	61.973	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	66723	127.160	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.267	75	275	1.235	ug/l #	3
95) Naphthalene	15.151	128	8305	2.635	ug/l #	82

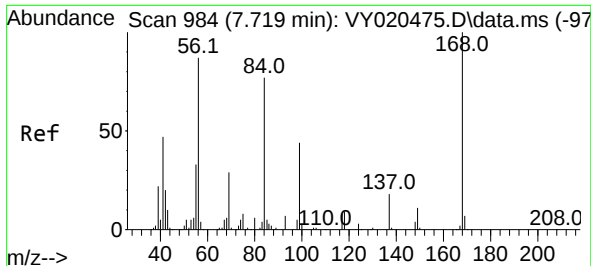
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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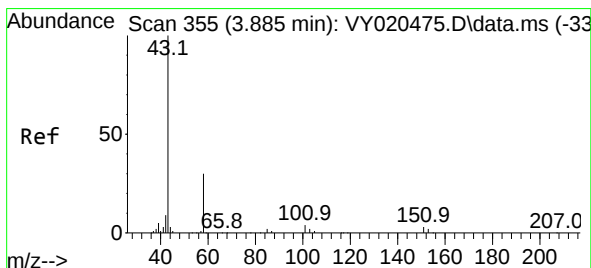
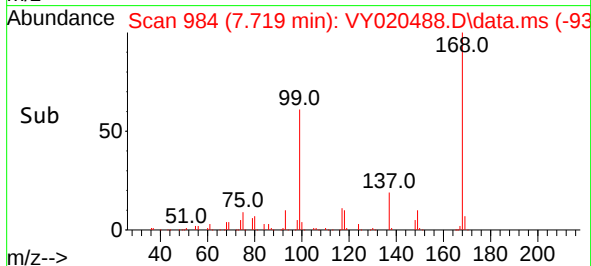
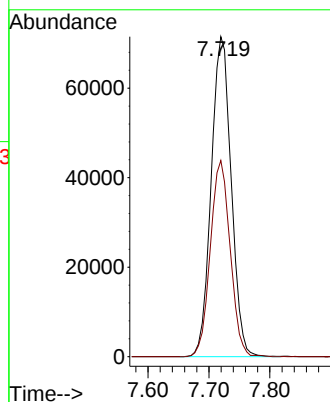
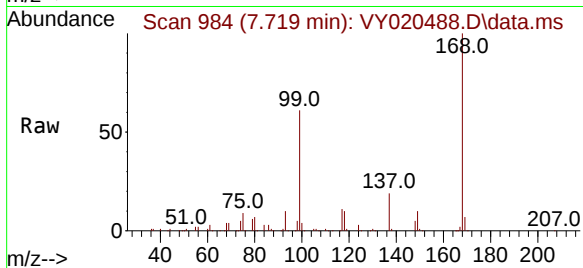




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020488.D
Acq: 02 Dec 2024 16:21

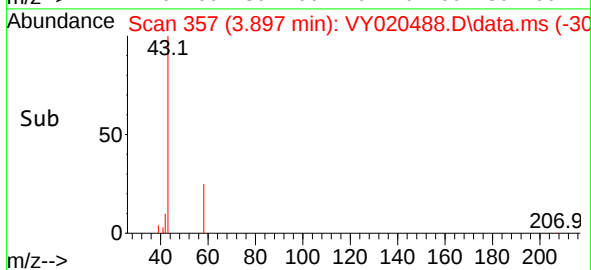
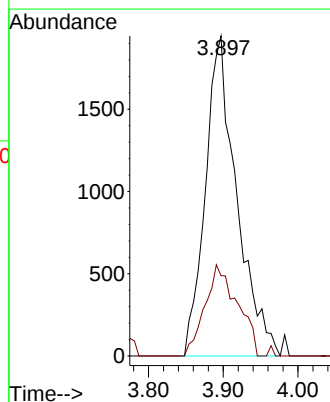
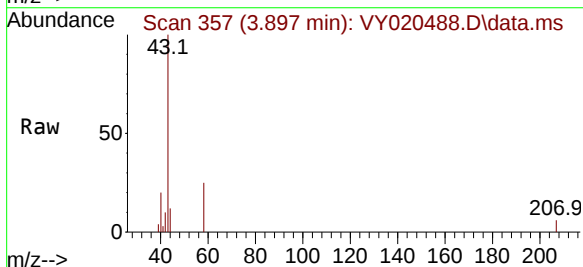
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1-HAM-GRAB

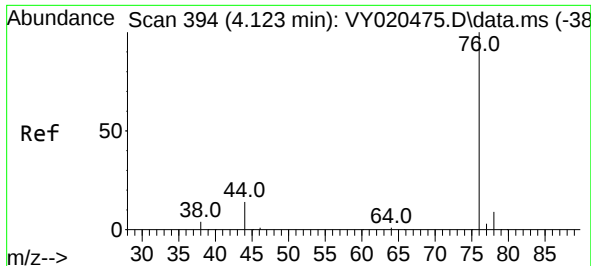
Tgt Ion:168 Resp: 162960
Ion Ratio Lower Upper
168 100
99 61.3 46.6 69.8



#16
Acetone
Concen: 13.761 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.024 min
Lab File: VY020488.D
Acq: 02 Dec 2024 16:21

Tgt Ion: 43 Resp: 5671
Ion Ratio Lower Upper
43 100
58 25.1 25.7 38.5#

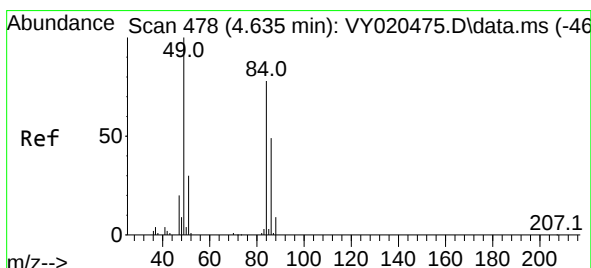
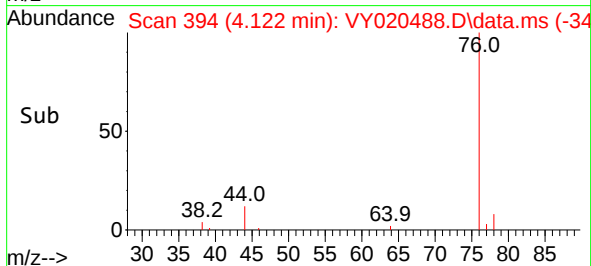
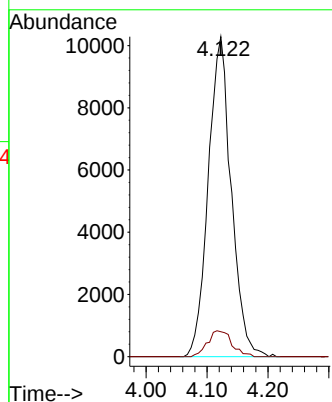
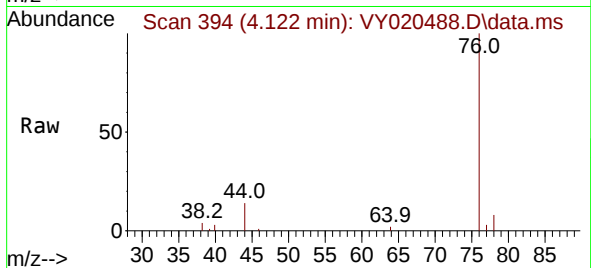




#17
Carbon Disulfide
Concen: 5.562 ug/l
RT: 4.122 min Scan# 394
Delta R.T. 0.012 min
Lab File: VY020488.D
Acq: 02 Dec 2024 16:21

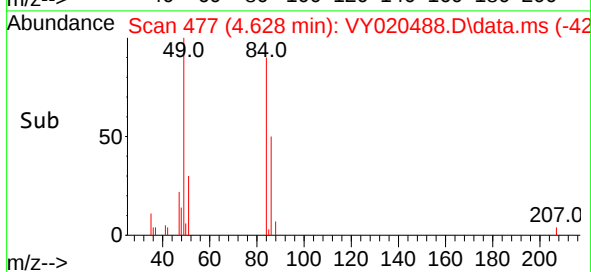
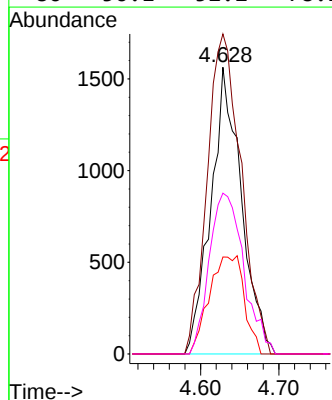
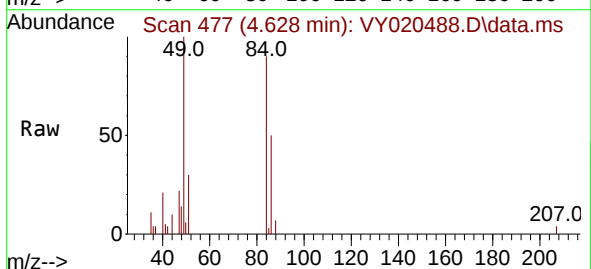
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1-HAM-GRAB

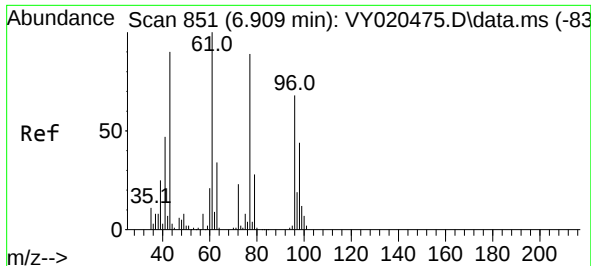
Tgt Ion: 76 Resp: 26927
Ion Ratio Lower Upper
76 100
78 7.8 7.3 10.9



#20
Methylene Chloride
Concen: 2.412 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY020488.D
Acq: 02 Dec 2024 16:21

Tgt Ion: 84 Resp: 4228
Ion Ratio Lower Upper
84 100
49 111.6 104.7 157.1
51 33.8 33.4 50.0
86 56.1 52.2 78.2





#25

2-Butanone

Concen: 1.797 ug/l

RT: 6.933 min Scan# 851

Delta R.T. 0.036 min

Lab File: VY020488.D

Acq: 02 Dec 2024 16:21

Instrument :

MSVOA_Y

ClientSampleId :

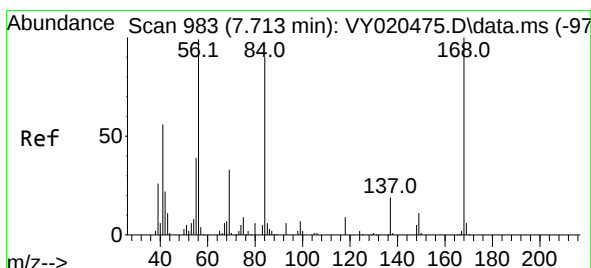
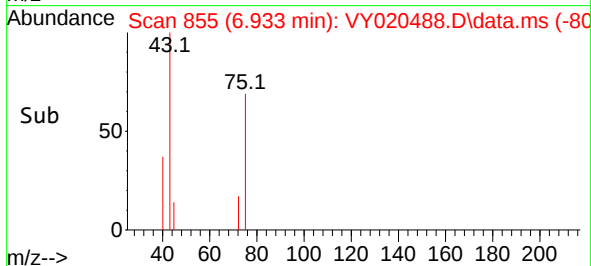
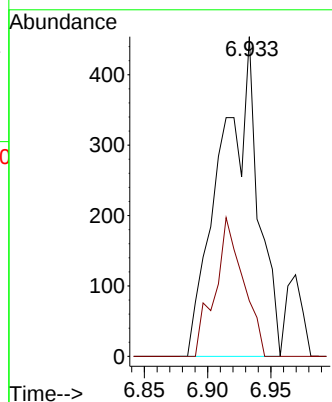
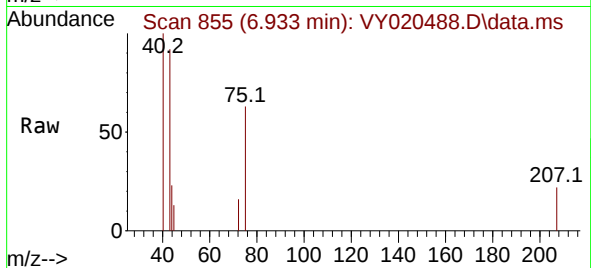
SOIL-1-HAM-GRAB

Tgt Ion: 43 Resp: 935

Ion Ratio Lower Upper

43 100

72 17.4 20.4 30.6#



#31

Cyclohexane

Concen: 1.095 ug/l

RT: 7.719 min Scan# 984

Delta R.T. 0.018 min

Lab File: VY020488.D

Acq: 02 Dec 2024 16:21

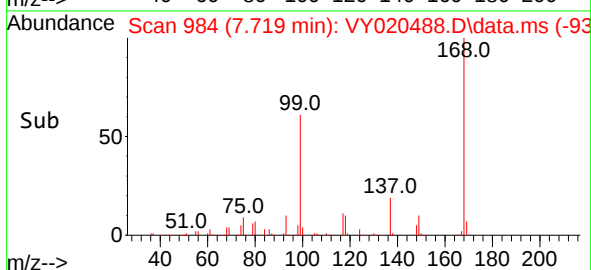
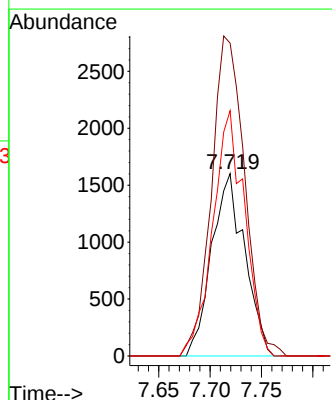
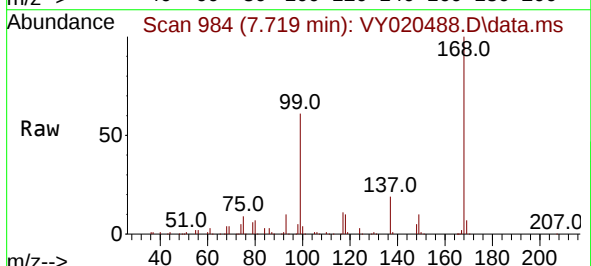
Tgt Ion: 56 Resp: 3576

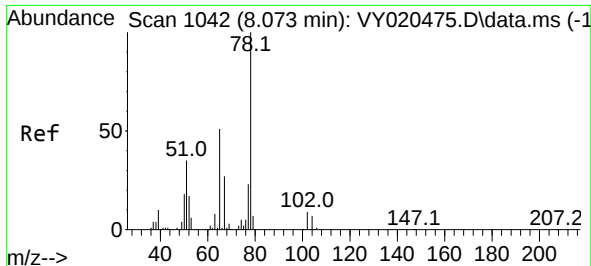
Ion Ratio Lower Upper

56 100

69 171.4 25.3 37.9#

84 134.4 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 56.739 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.012 min

Lab File: VY020488.D

Acq: 02 Dec 2024 16:21

Instrument :

MSVOA_Y

ClientSampleId :

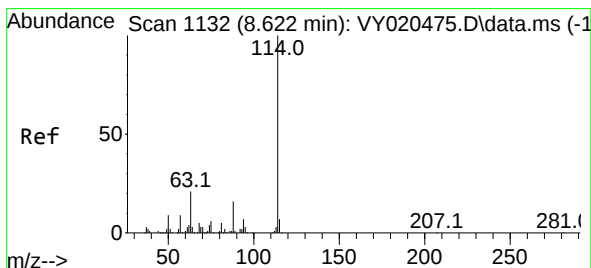
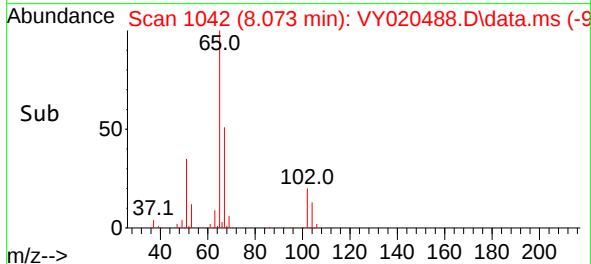
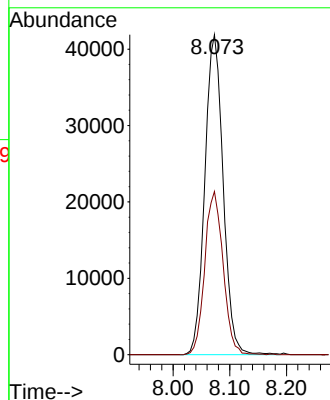
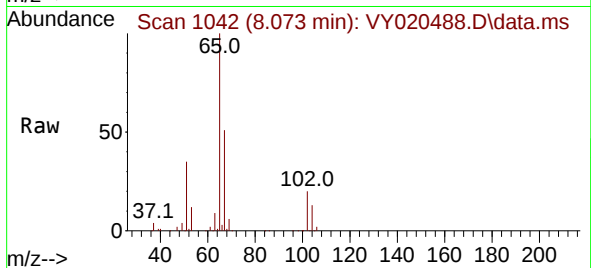
SOIL-1-HAM-GRAB

Tgt Ion: 65 Resp: 94036

Ion Ratio Lower Upper

65 100

67 51.0 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: VY020488.D

Acq: 02 Dec 2024 16:21

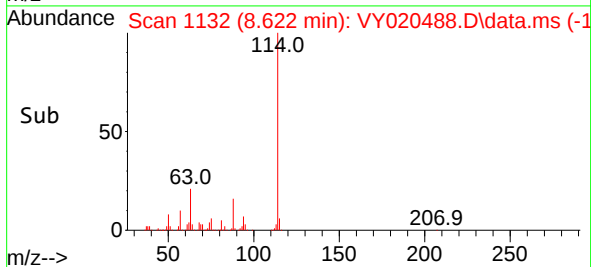
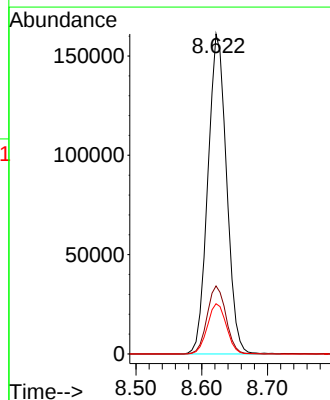
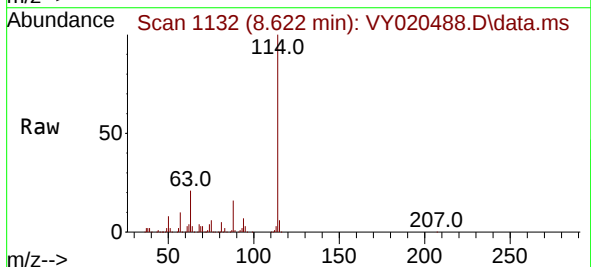
Tgt Ion: 114 Resp: 318573

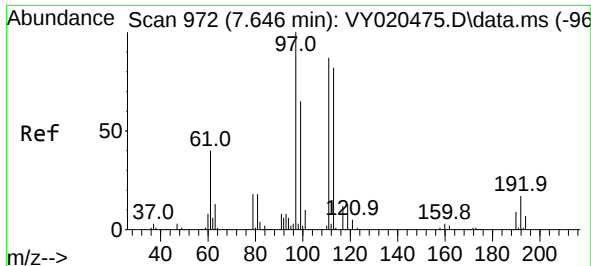
Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.8

88 15.7 0.0 32.0

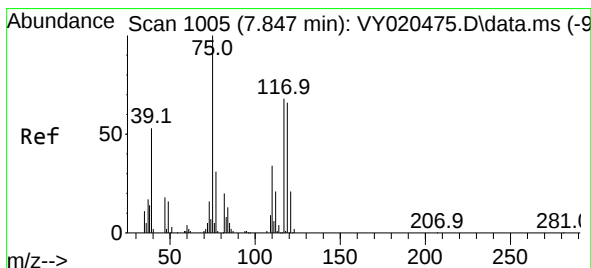
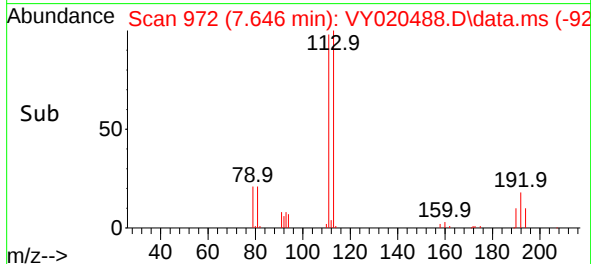
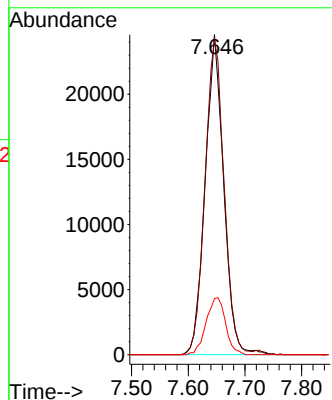
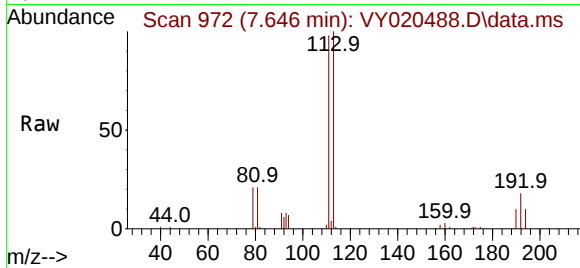




#35
Dibromofluoromethane
Concen: 27.719 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY020488.D
Acq: 02 Dec 2024 16:21

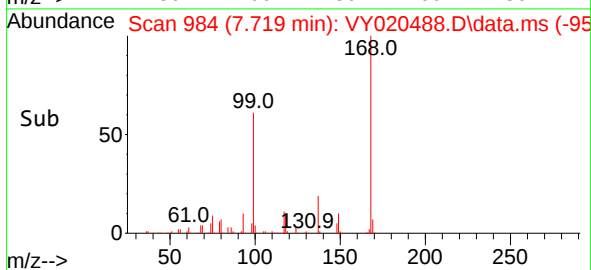
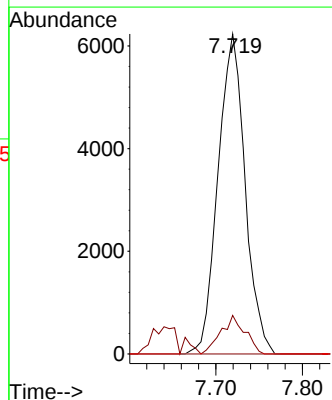
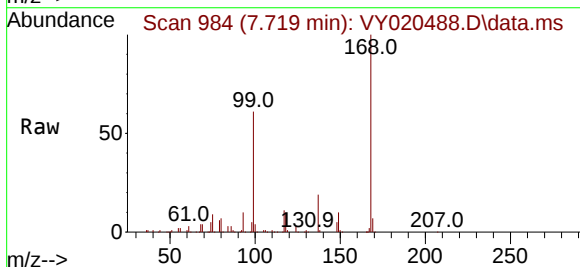
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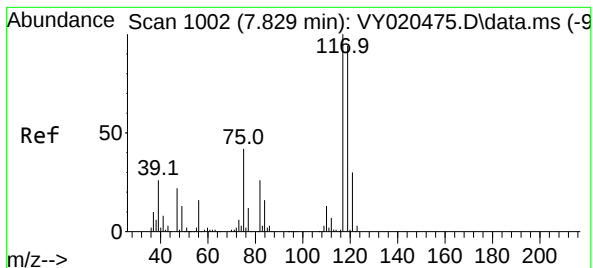
Tgt Ion:113 Resp: 55593
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 18.8 15.1 22.7



#36
1,1-Dichloropropene
Concen: 3.993 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY020488.D
Acq: 02 Dec 2024 16:21

Tgt Ion: 75 Resp: 13523
Ion Ratio Lower Upper
75 100
110 10.8 16.7 50.0#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.216 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY020488.D

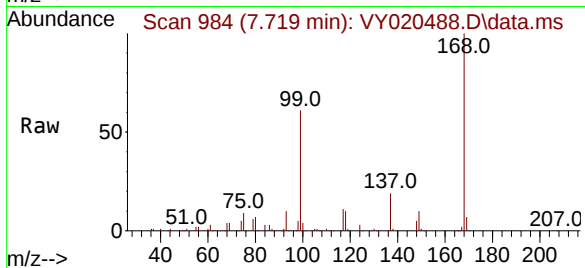
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Instrument :

MSVOA_Y

ClientSampleId :

SOIL-1-HAM-GRAB



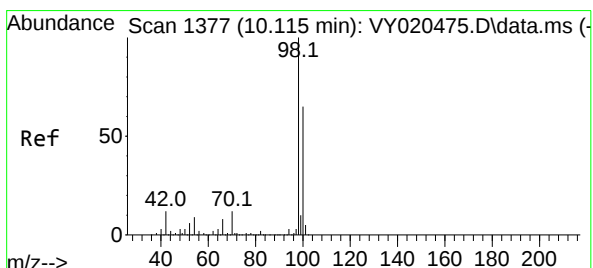
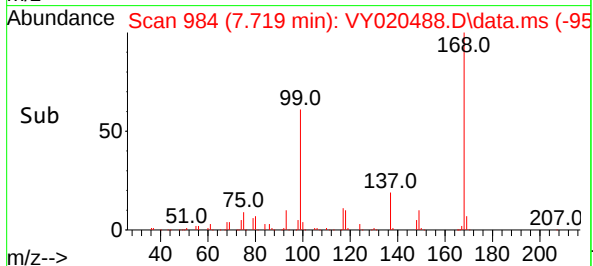
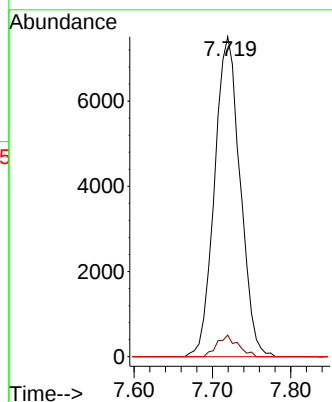
Tgt Ion:117 Resp: 17043

Ion Ratio Lower Upper

117 100

119 6.7 77.8 116.6#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 50.331 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY020488.D

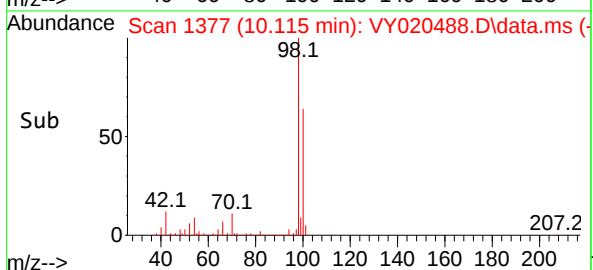
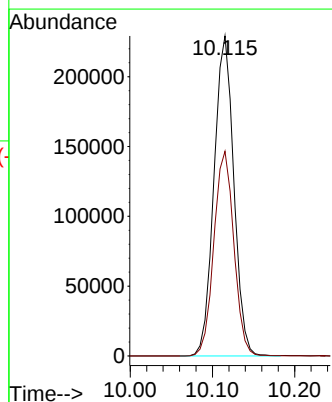
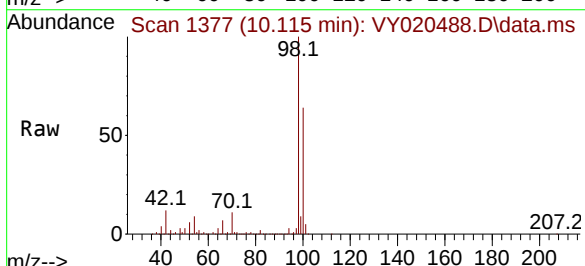
Acq: 02 Dec 2024 16:21

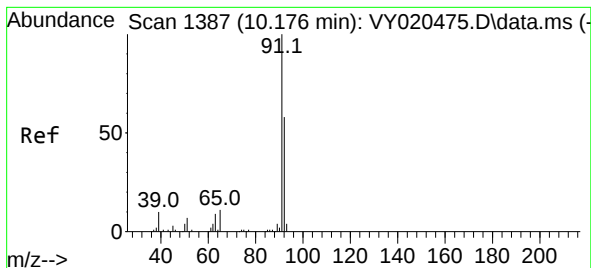
Tgt Ion: 98 Resp: 384370

Ion Ratio Lower Upper

98 100

100 64.4 51.3 76.9





#52

Toluene

Concen: 1.727 ug/l

RT: 10.176 min Scan# 1387

Delta R.T. 0.006 min

Lab File: VY020488.D

Acq: 02 Dec 2024 16:21

Instrument :

MSVOA_Y

ClientSampleId :

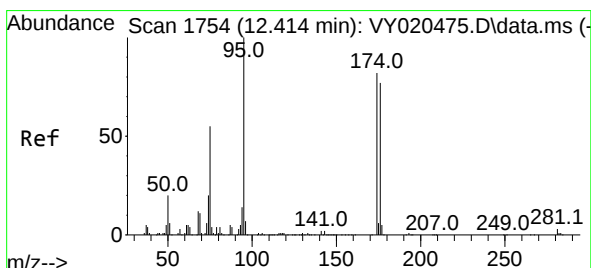
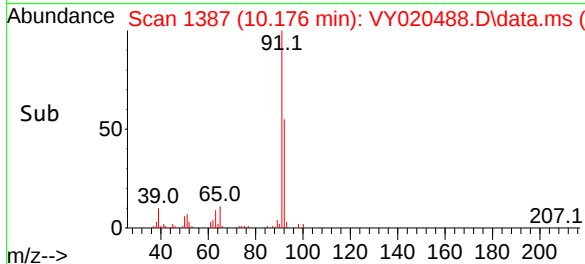
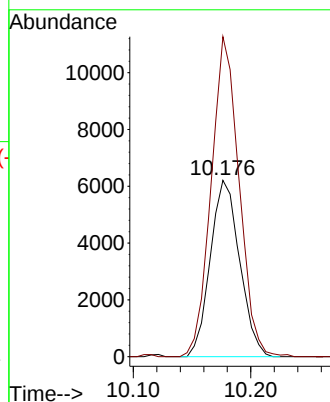
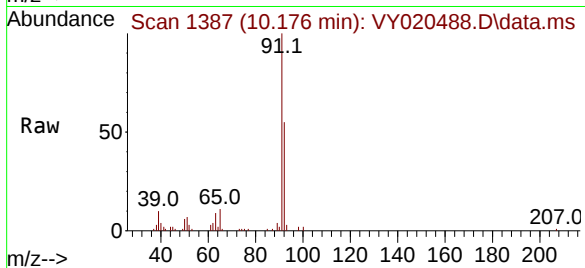
SOIL-1-HAM-GRAB

Tgt Ion: 92 Resp: 10761

Ion Ratio Lower Upper

92 100

91 172.9 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 44.740 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.012 min

Lab File: VY020488.D

Acq: 02 Dec 2024 16:21

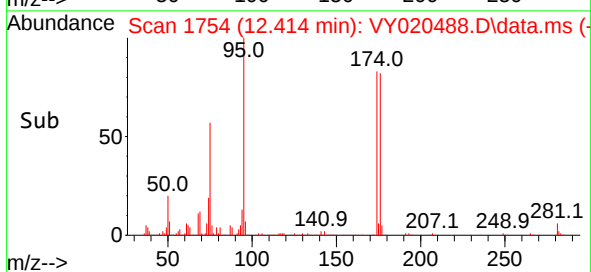
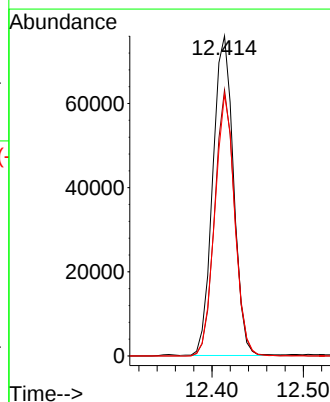
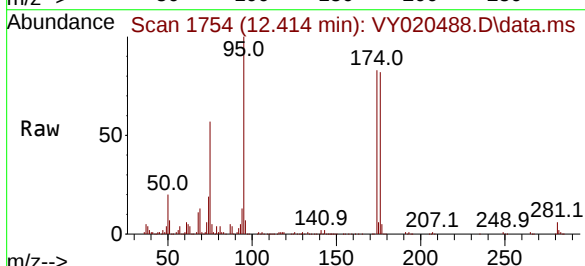
Tgt Ion: 95 Resp: 119499

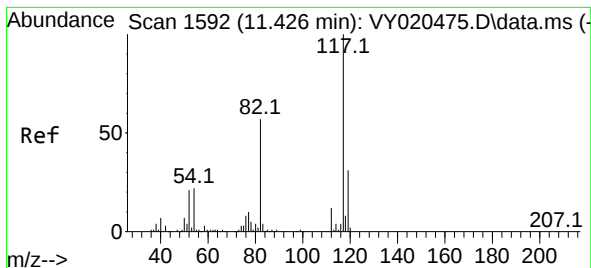
Ion Ratio Lower Upper

95 100

174 80.0 0.0 156.8

176 78.7 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY020488.D

Acq: 02 Dec 2024 16:21

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-1-HAM-GRAB

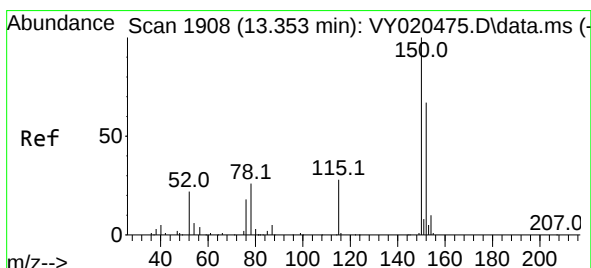
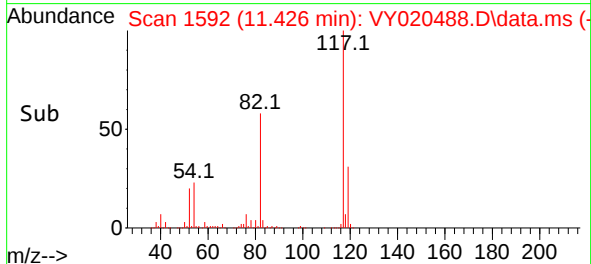
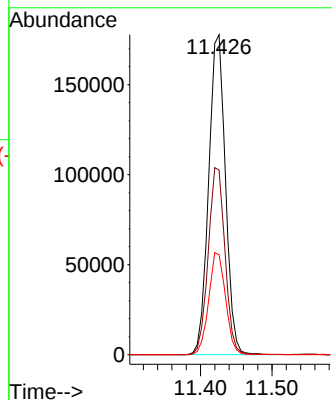
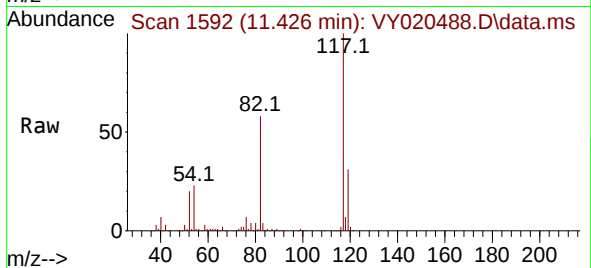
Tgt Ion:117 Resp: 289732

Ion Ratio Lower Upper

117 100

82 57.7 48.2 72.4

119 31.2 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: VY020488.D

Acq: 02 Dec 2024 16:21

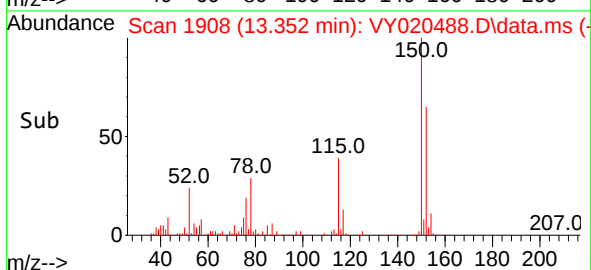
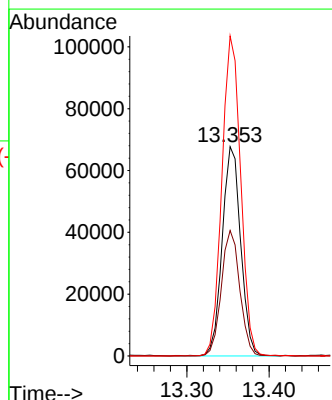
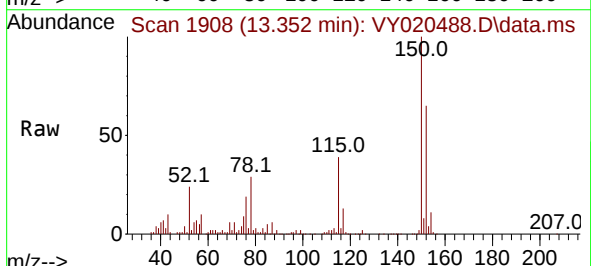
Tgt Ion:152 Resp: 105689

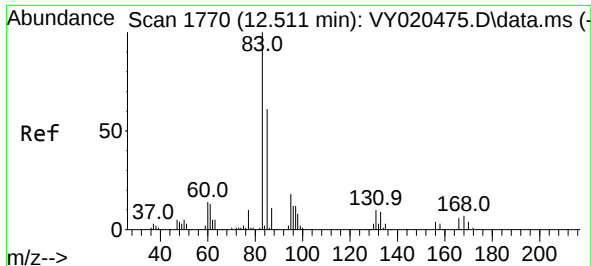
Ion Ratio Lower Upper

152 100

115 59.8 30.0 90.0

150 155.5 0.0 348.2

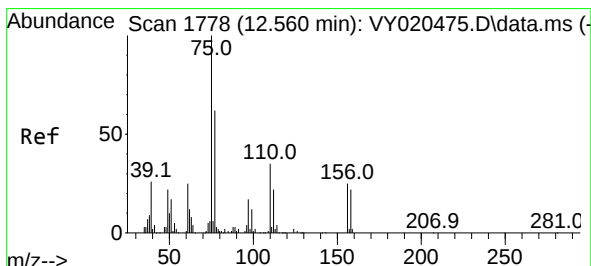
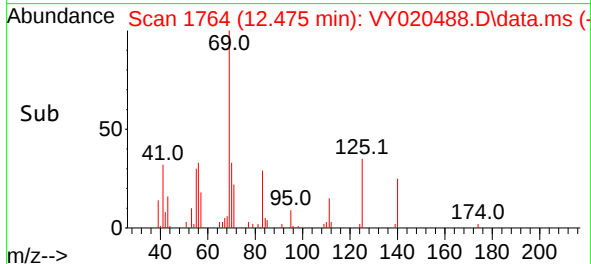
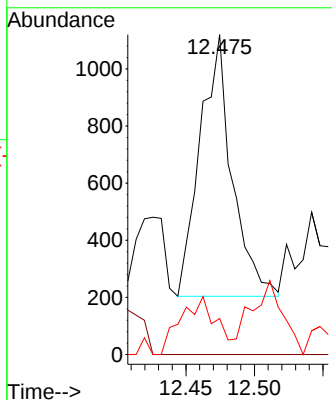
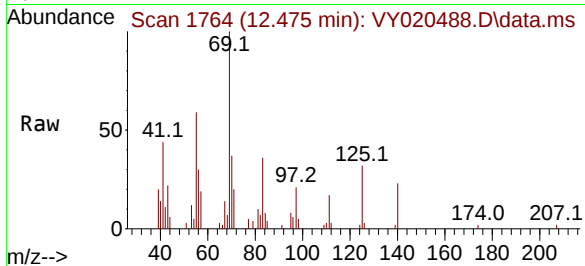




#75
1,1,2,2-Tetrachloroethane
Concen: 1.010 ug/l
RT: 12.475 min Scan# 1754
Delta R.T. -0.031 min
Lab File: VY020488.D
Acq: 02 Dec 2024 16:21

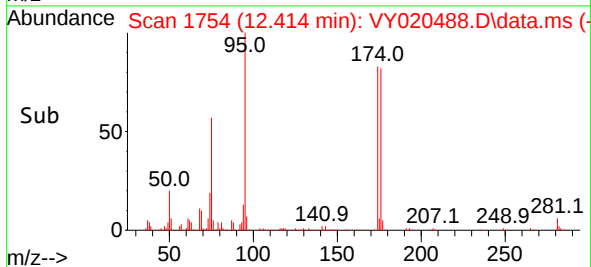
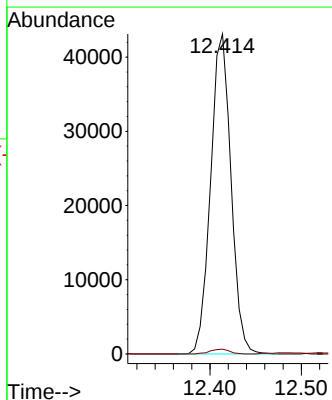
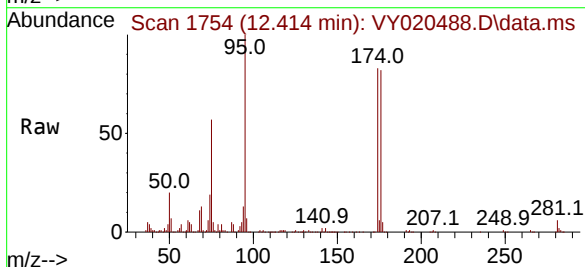
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1-HAM-GRAB

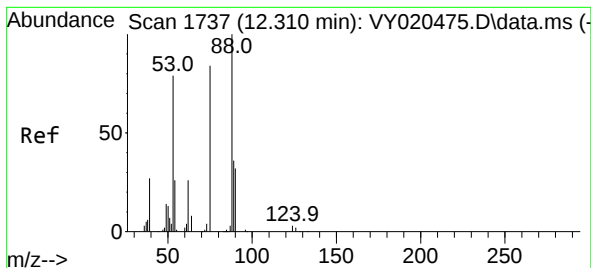
Tgt Ion: 83 Resp: 1485
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 0.0 32.0 96.0#



#76
1,2,3-Trichloropropane
Concen: 61.973 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.140 min
Lab File: VY020488.D
Acq: 02 Dec 2024 16:21

Tgt Ion: 75 Resp: 66723
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

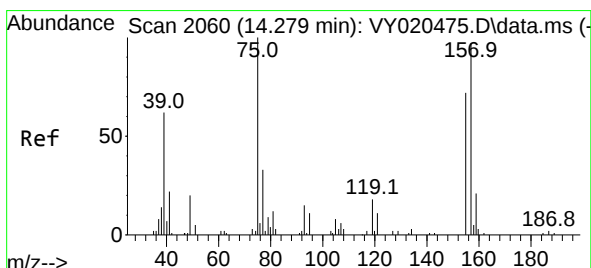
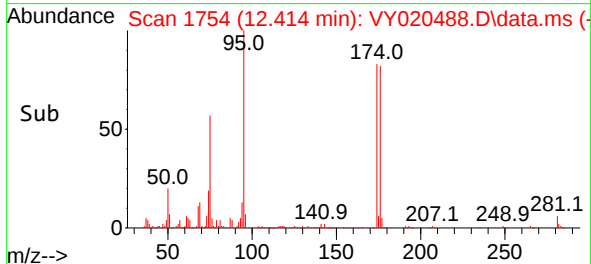
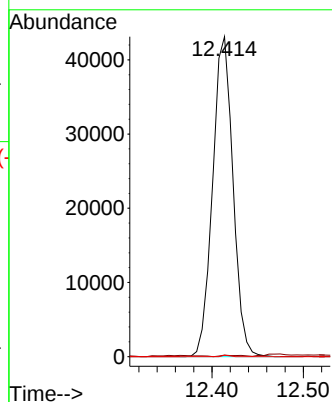
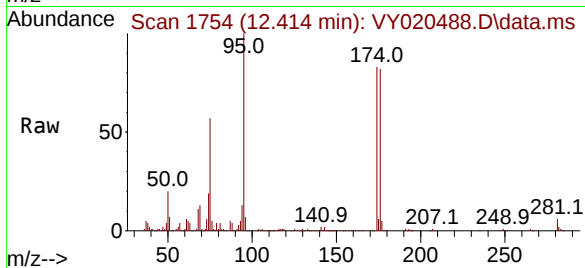




#81
trans-1,4-Dichloro-2-butene
Concen: 127.160 ug/l
RT: 12.414 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY020488.D
Acq: 02 Dec 2024 16:21

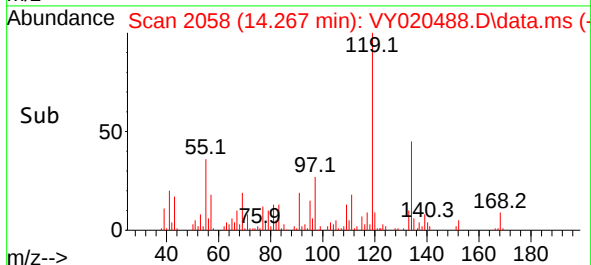
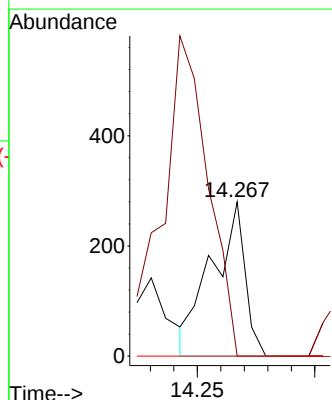
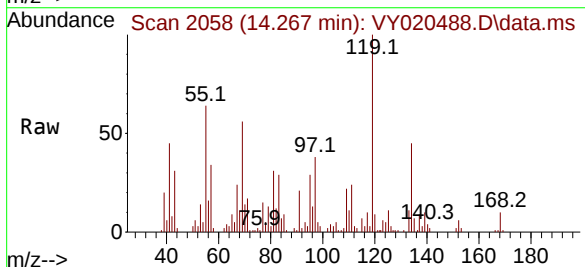
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1-HAM-GRAB

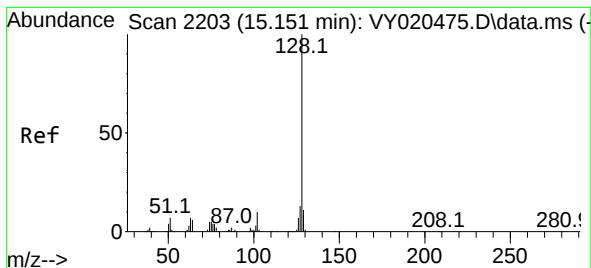
Tgt Ion: 75 Resp: 66723
Ion Ratio Lower Upper
75 100
53 0.5 81.1 121.7#
89 0.2 35.1 52.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.235 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY020488.D
Acq: 02 Dec 2024 16:21

Tgt Ion: 75 Resp: 275
Ion Ratio Lower Upper
75 100
155 0.0 39.7 119.1#
157 0.0 52.6 157.8#





#95

Naphthalene

Concen: 2.635 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY020488.D

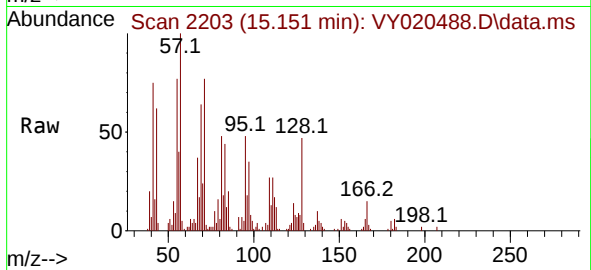
Acq: 02 Dec 2024 16:21

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-1-HAM-GRAB



Tgt Ion:	128	Resp:	8305
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.5	15.7#
129	11.1	8.6	13.0

