

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013730.D
 Acq On : 15 May 2023 12:32
 Operator : KP/MD
 Sample : 02724-01
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-OU3-GRILLO-1

Quant Time: May 16 01:29:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

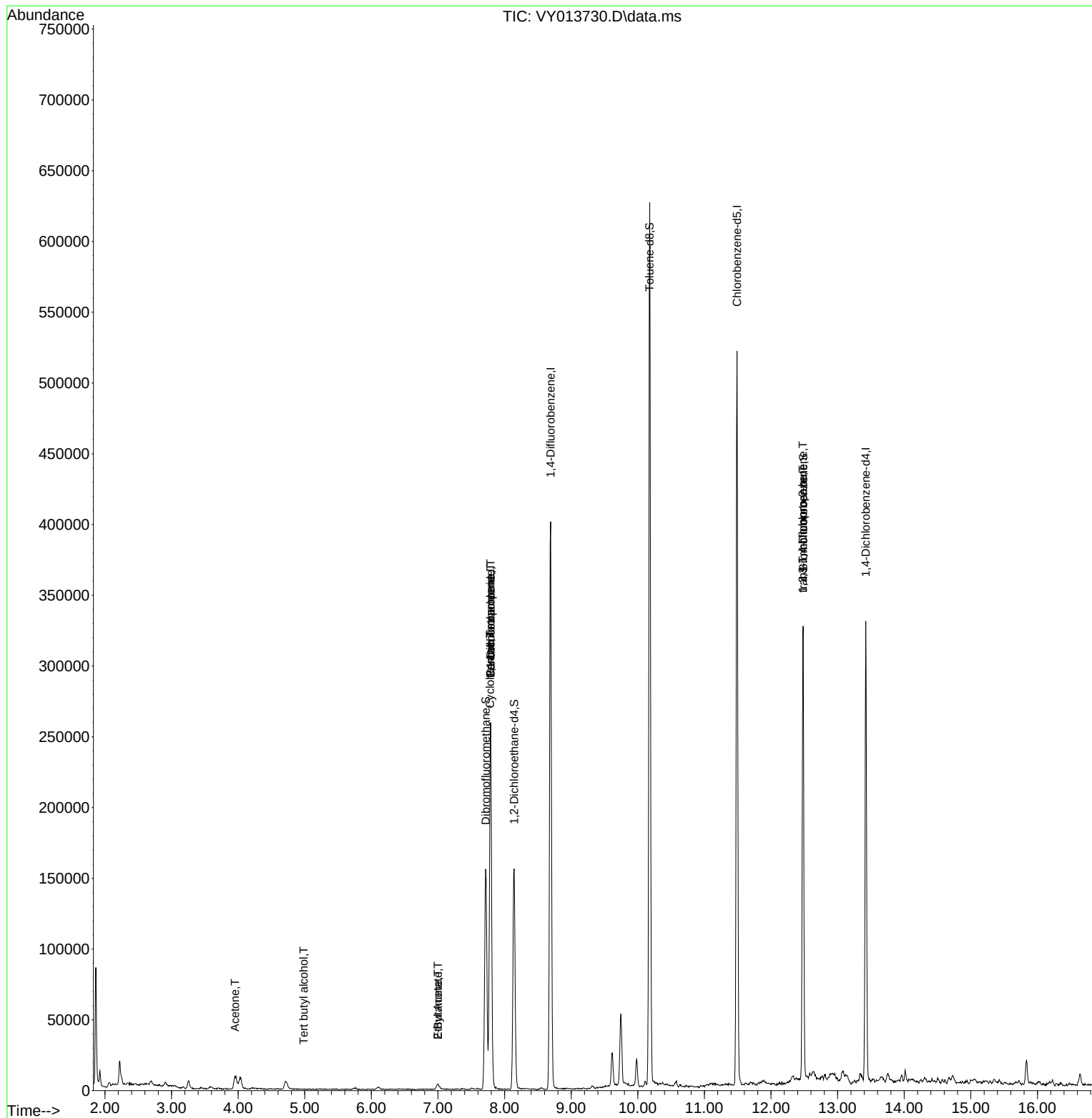
Internal Standards						
1) Pentafluorobenzene	7.789	168	197024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	330033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	269664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	80689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	128800	59.635	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.260%			
35) Dibromofluoromethane	7.716	113	110057	53.020	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.040%			
50) Toluene-d8	10.179	98	402380	54.491	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.980%			
62) 4-Bromofluorobenzene	12.483	95	95409	38.326	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.660%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.984	59	103	1.072	ug/l #	89
13) Acrolein	3.759	56	19	Below Cal	#	1
16) Acetone	3.954	43	20859	24.524	ug/l	89
20) Methylene Chloride	4.710	84	4206	Below Cal	#	89
25) 2-Butanone	6.996	43	6885	6.383	ug/l	98
31) Cyclohexane	7.783	56	4450	1.151	ug/l #	36
36) 1,1-Dichloropropene	7.789	75	15373	4.462	ug/l #	49
37) Ethyl Acetate	6.996	43	6885	2.656	ug/l #	69
38) Carbon Tetrachloride	7.789	117	18855	5.222	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	51342	47.181	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51342	96.512	ug/l #	13

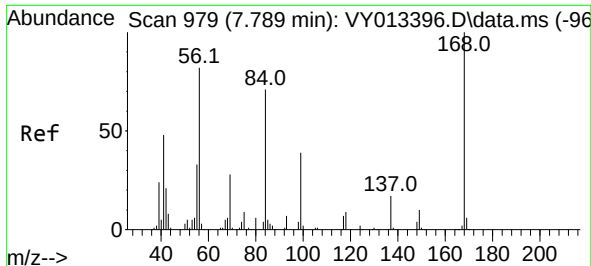
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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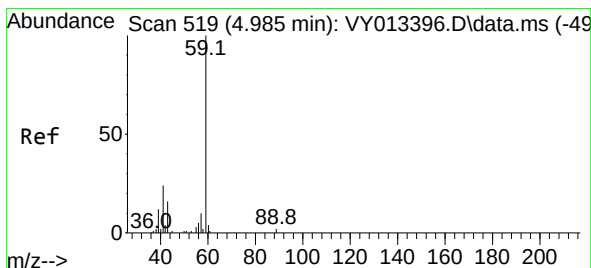
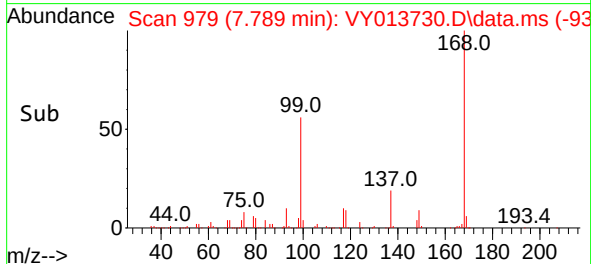
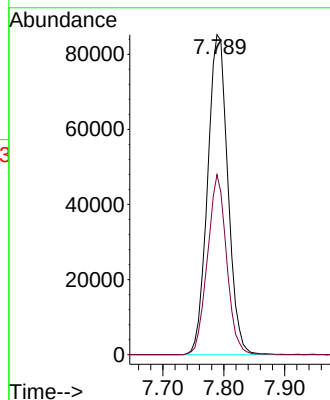
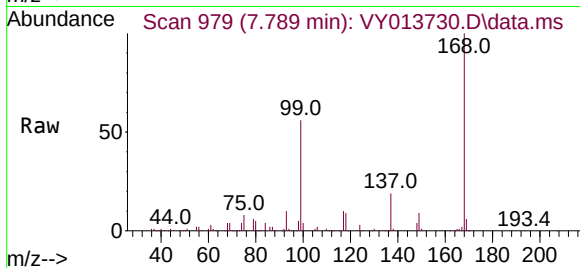




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013730.D
Acq: 15 May 2023 12:32

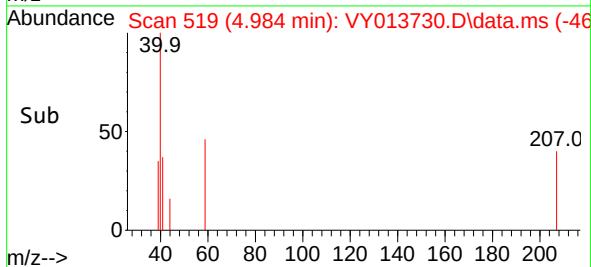
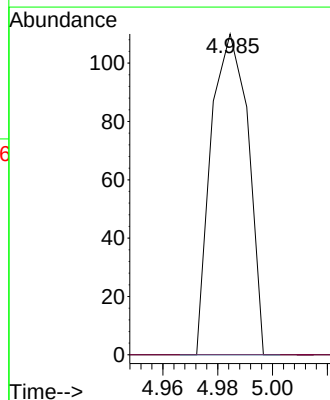
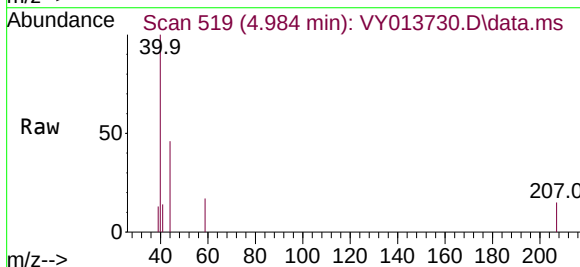
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

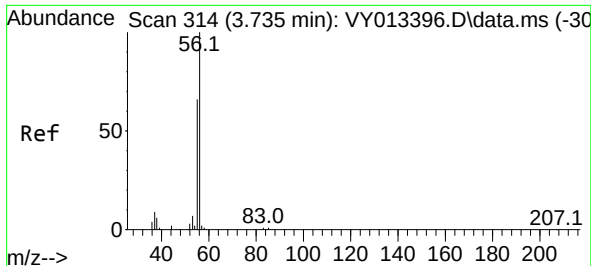
Tgt Ion:168 Resp: 197024
Ion Ratio Lower Upper
168 100
99 56.2 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.072 ug/l
RT: 4.984 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY013730.D
Acq: 15 May 2023 12:32

Tgt Ion: 59 Resp: 103
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

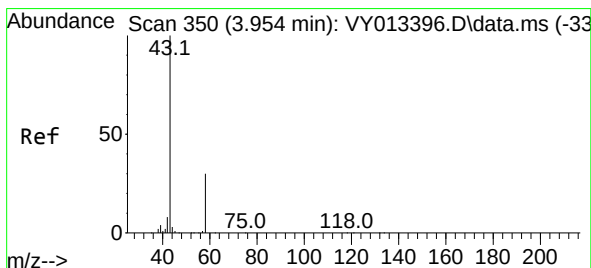
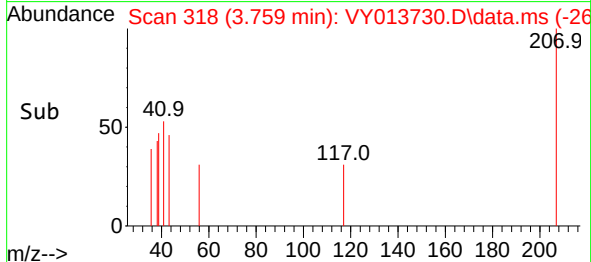
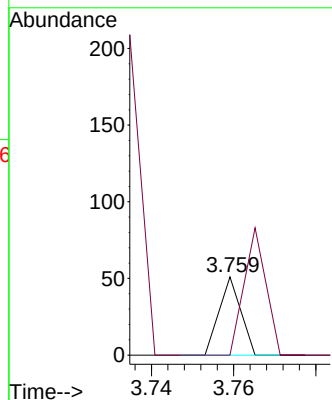
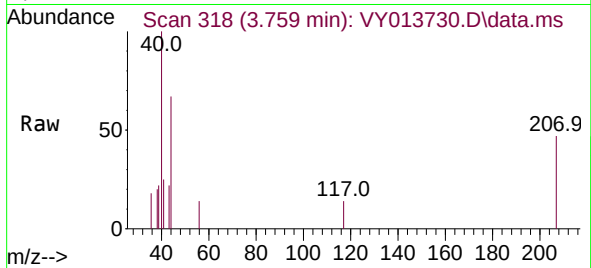




#13
Acrolein
Concen: Below Cal
RT: 3.759 min Scan# 314
Delta R.T. 0.030 min
Lab File: VY013730.D
Acq: 15 May 2023 12:32

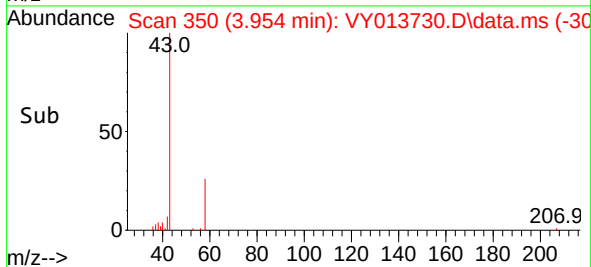
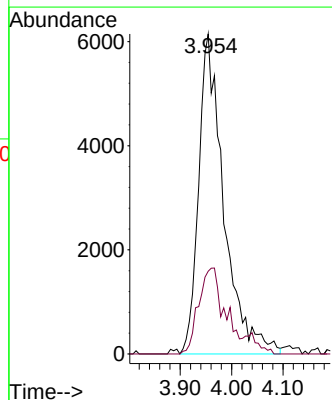
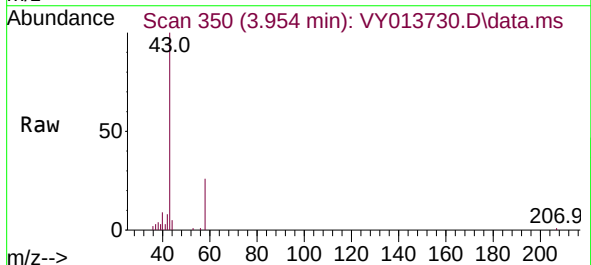
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

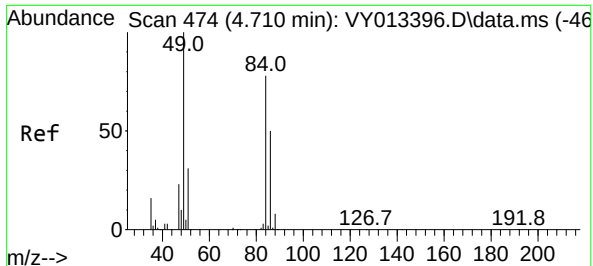
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 157.9 54.1 81.1#



#16
Acetone
Concen: 24.524 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013730.D
Acq: 15 May 2023 12:32

Tgt Ion: 43 Resp: 20859
Ion Ratio Lower Upper
43 100
58 25.9 25.4 38.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY013730.D

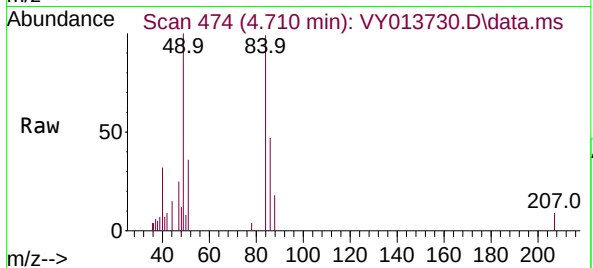
Acq: 15 May 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-GRILLO-1



Tgt Ion: 84 Resp: 4206

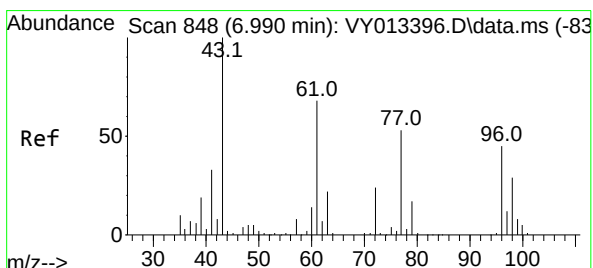
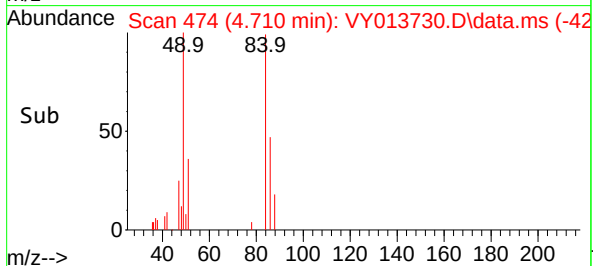
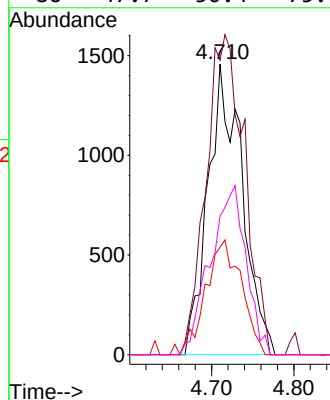
Ion Ratio Lower Upper

84 100

49 101.4 88.0 132.0

51 37.0 27.4 41.0

86 47.7 50.4 75.6#



#25

2-Butanone

Concen: 6.383 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY013730.D

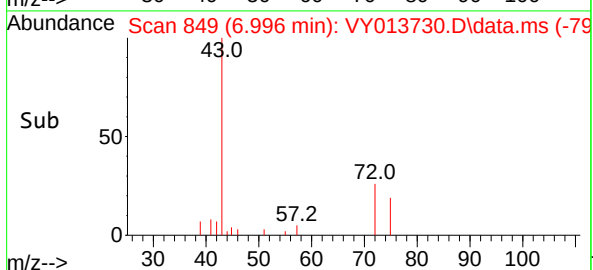
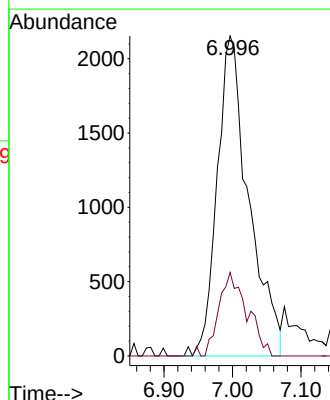
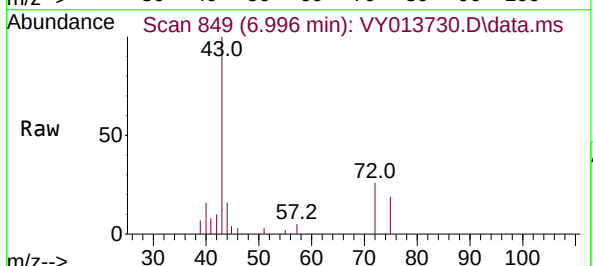
Acq: 15 May 2023 12:32

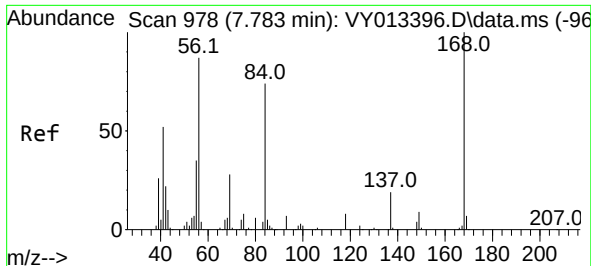
Tgt Ion: 43 Resp: 6885

Ion Ratio Lower Upper

43 100

72 26.1 21.9 32.9

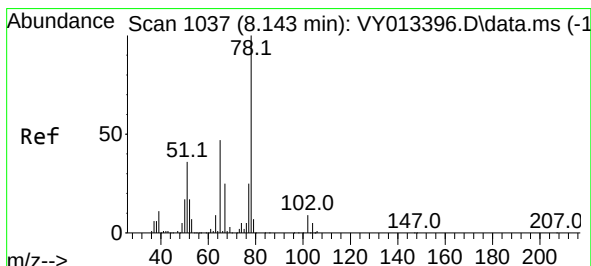
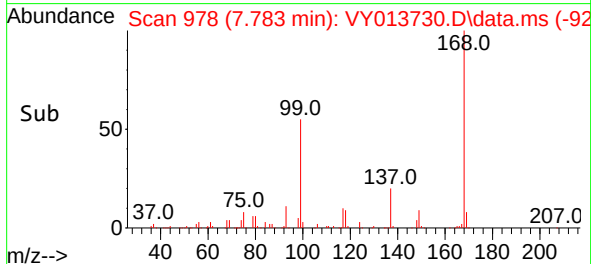
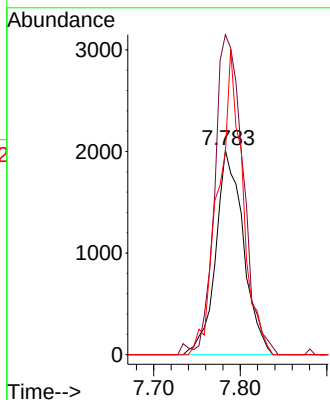
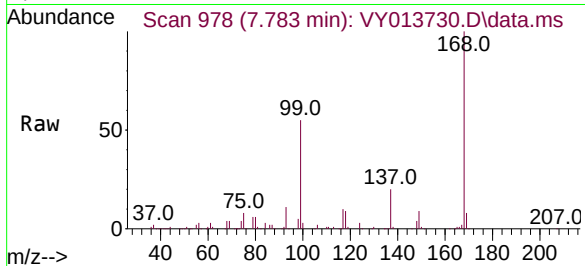




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013730.D
Acq: 15 May 2023 12:32

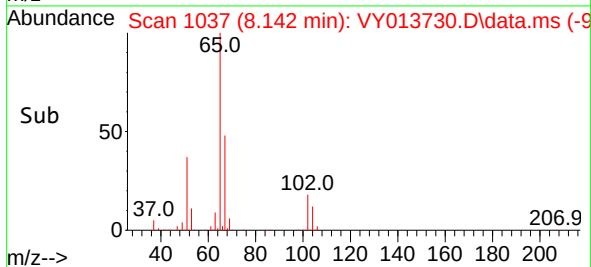
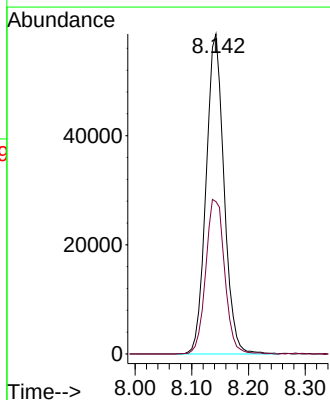
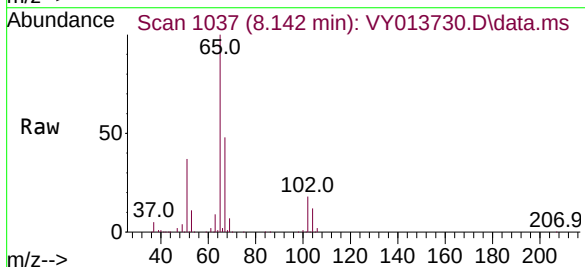
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

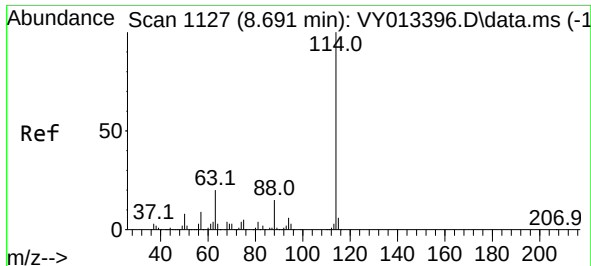
Tgt Ion: 56 Resp: 4450
Ion Ratio Lower Upper
56 100
69 156.4 29.2 43.8#
84 98.9 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 59.635 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013730.D
Acq: 15 May 2023 12:32

Tgt Ion: 65 Resp: 128800
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4

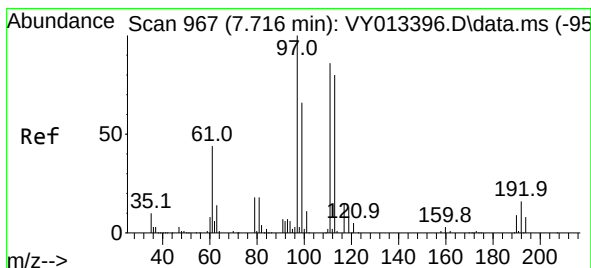
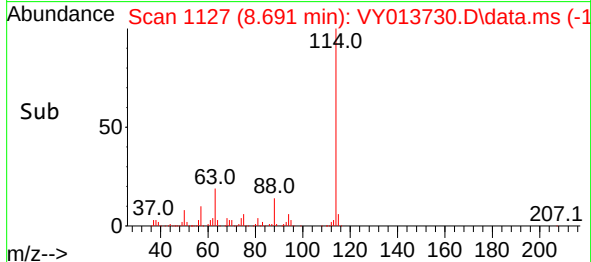
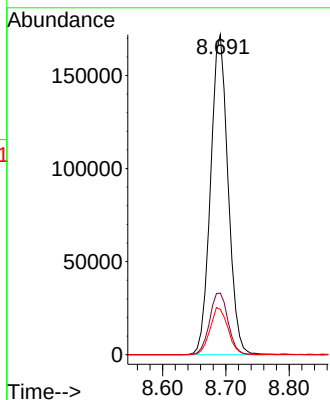
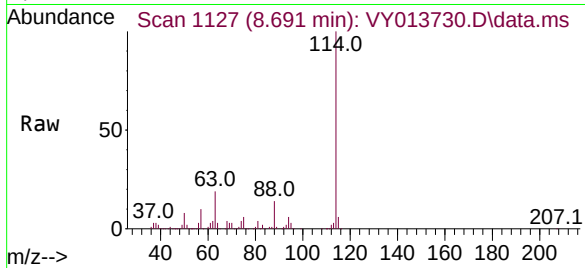




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013730.D
Acq: 15 May 2023 12:32

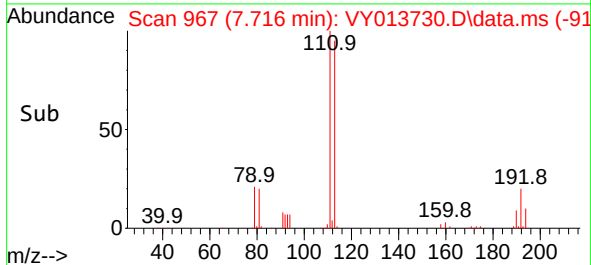
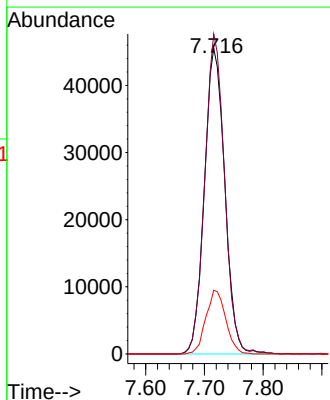
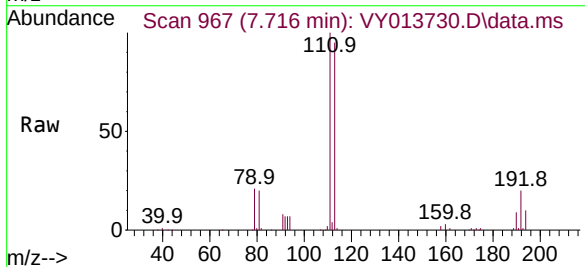
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

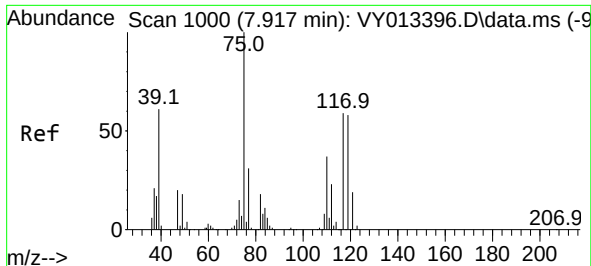
Tgt Ion:114 Resp: 330033
Ion Ratio Lower Upper
114 100
63 19.2 0.0 36.6
88 14.1 0.0 28.8



#35
Dibromofluoromethane
Concen: 53.020 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013730.D
Acq: 15 May 2023 12:32

Tgt Ion:113 Resp: 110057
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 20.2 16.7 25.1

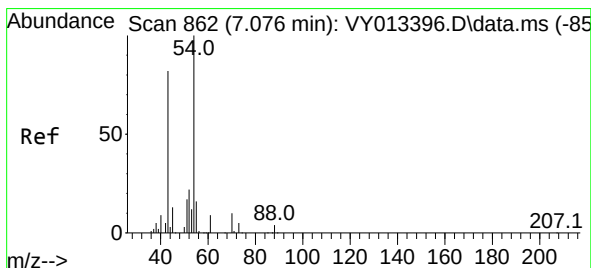
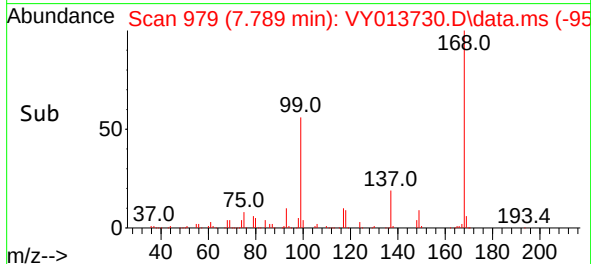
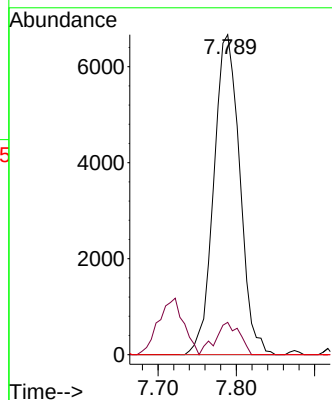
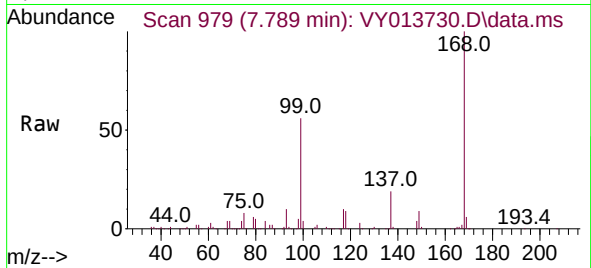




#36
1,1-Dichloropropene
Concen: 4.462 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013730.D
Acq: 15 May 2023 12:32

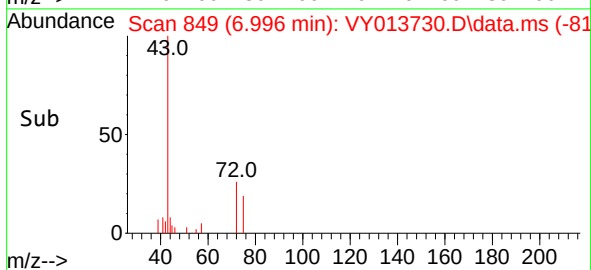
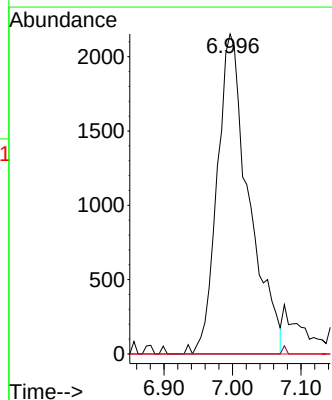
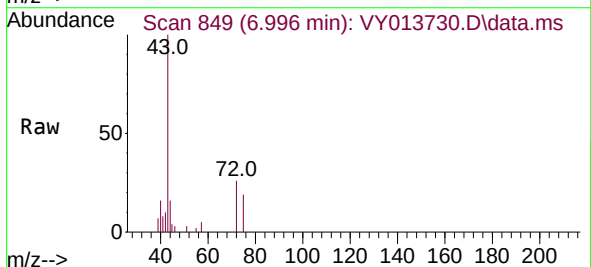
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TOPSOIL-OU3-GRILLO-1

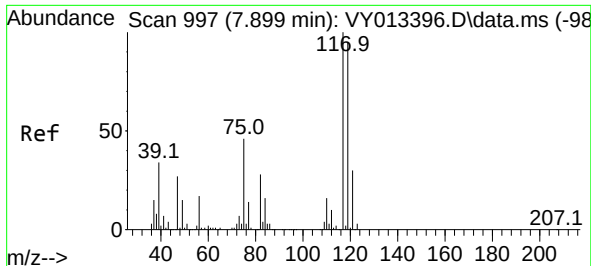
Tgt Ion: 75 Resp: 15373
Ion Ratio Lower Upper
75 100
110 9.3 18.7 56.1#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 2.656 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.073 min
Lab File: VY013730.D
Acq: 15 May 2023 12:32

Tgt Ion: 43 Resp: 6885
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 7.9 11.9#

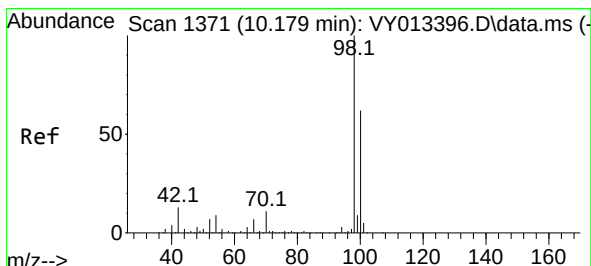
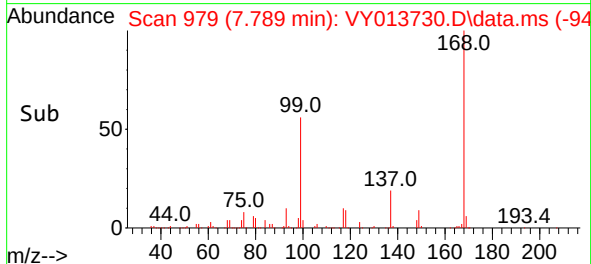
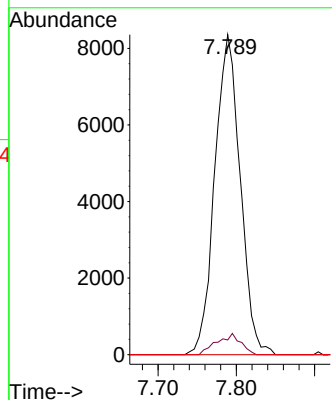
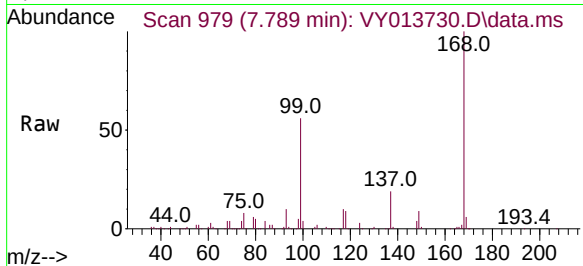




#38
Carbon Tetrachloride
Concen: 5.222 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013730.D
Acq: 15 May 2023 12:32

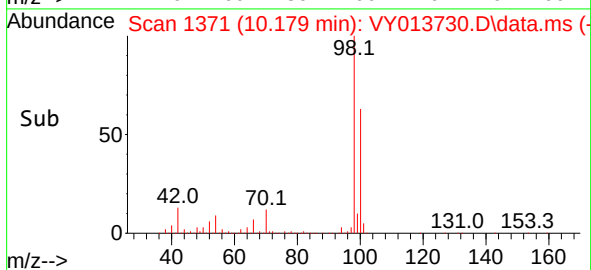
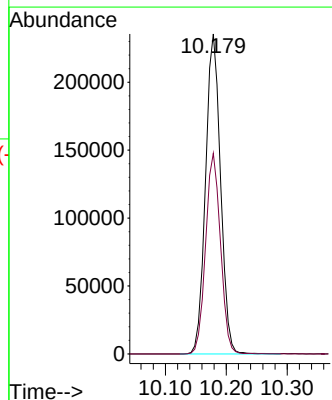
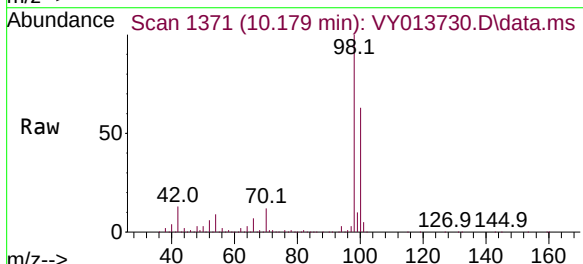
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

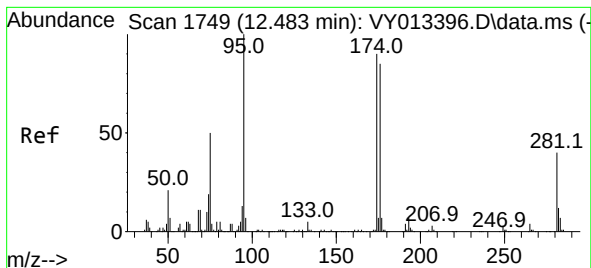
Tgt Ion:117 Resp: 18855
Ion Ratio Lower Upper
117 100
119 4.6 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.491 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013730.D
Acq: 15 May 2023 12:32

Tgt Ion: 98 Resp: 402380
Ion Ratio Lower Upper
98 100
100 62.3 50.5 75.7





#62

4-Bromofluorobenzene

Concen: 38.326 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY013730.D

Acq: 15 May 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-GRILLO-1

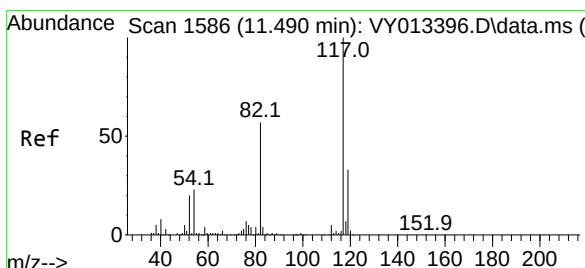
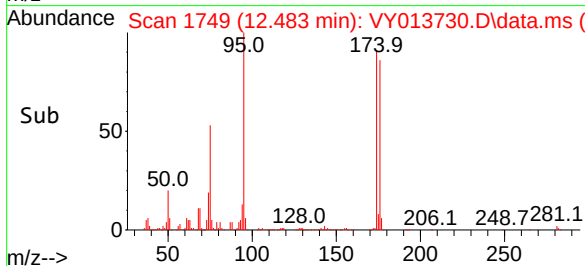
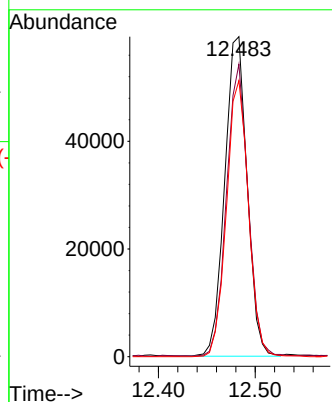
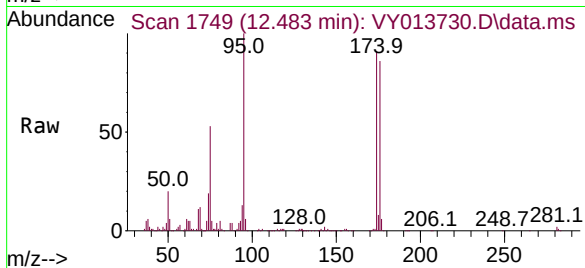
Tgt Ion: 95 Resp: 95409

Ion Ratio Lower Upper

95 100

174 87.6 0.0 182.0

176 84.6 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013730.D

Acq: 15 May 2023 12:32

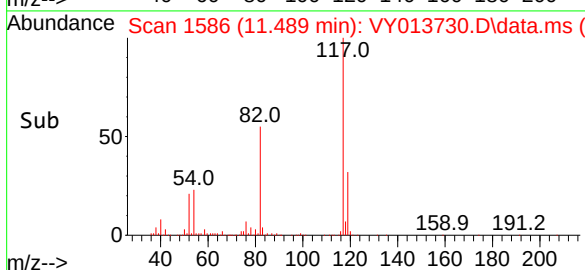
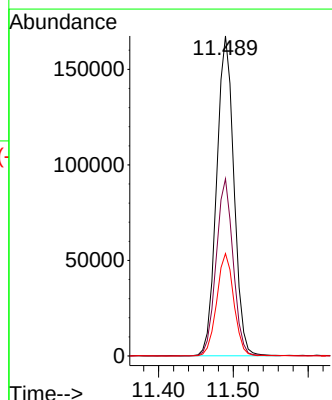
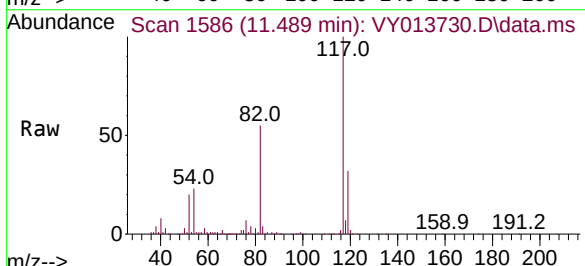
Tgt Ion: 117 Resp: 269664

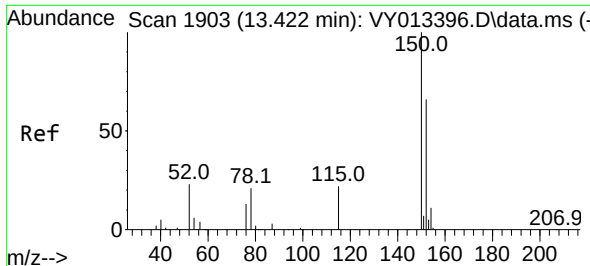
Ion Ratio Lower Upper

117 100

82 55.4 43.0 64.6

119 32.0 25.5 38.3

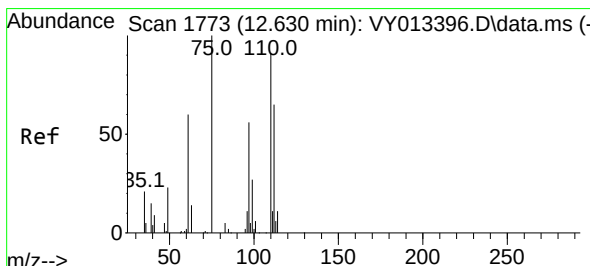
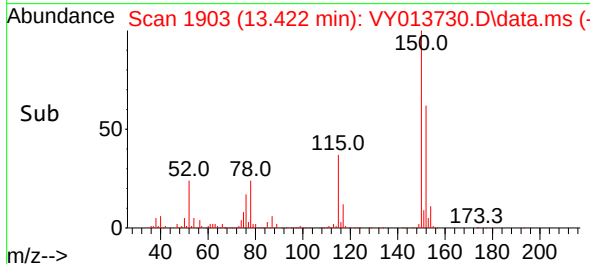
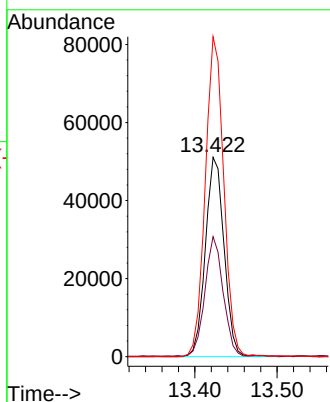
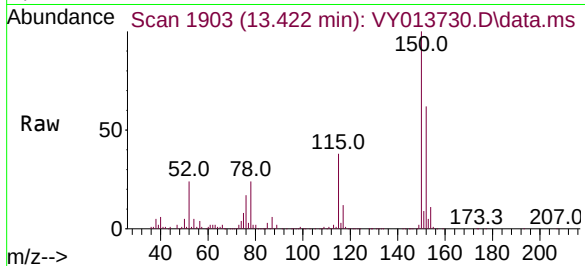




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013730.D
 Acq: 15 May 2023 12:32

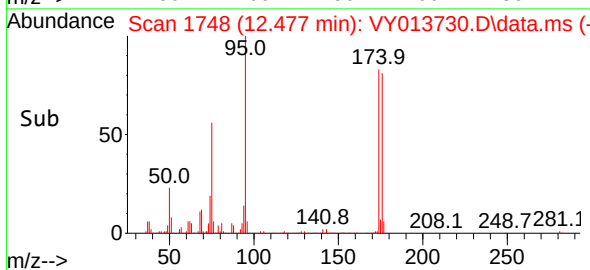
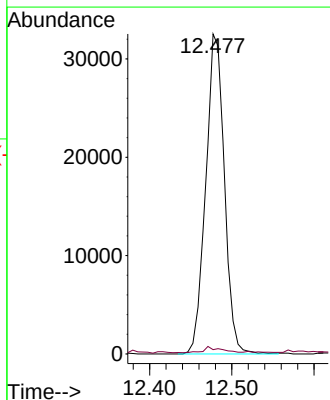
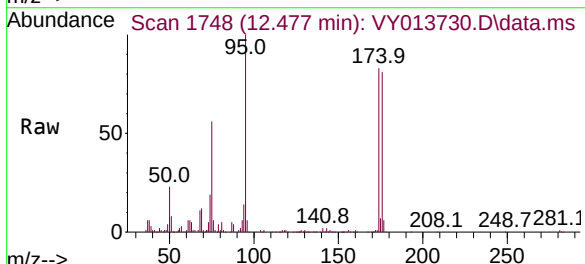
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-OU3-GRILLO-1

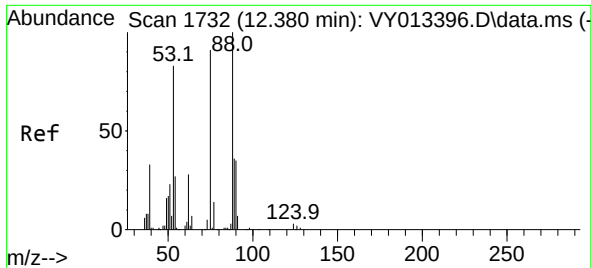
Tgt Ion:152 Resp: 80689
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.1 84.2
 150 158.5 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 47.181 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013730.D
 Acq: 15 May 2023 12:32

Tgt Ion: 75 Resp: 51342
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.512 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013730.D
 Acq: 15 May 2023 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-OU3-GRILLO-1

Tgt Ion: 75 Resp: 51342
 Ion Ratio Lower Upper
 75 100
 53 0.4 73.2 109.8#
 89 0.0 38.0 57.0#

