

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013718.D
 Acq On : 11 May 2023 16:11
 Operator : KP/MD
 Sample : 02724-01
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: May 12 04:44:20 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)

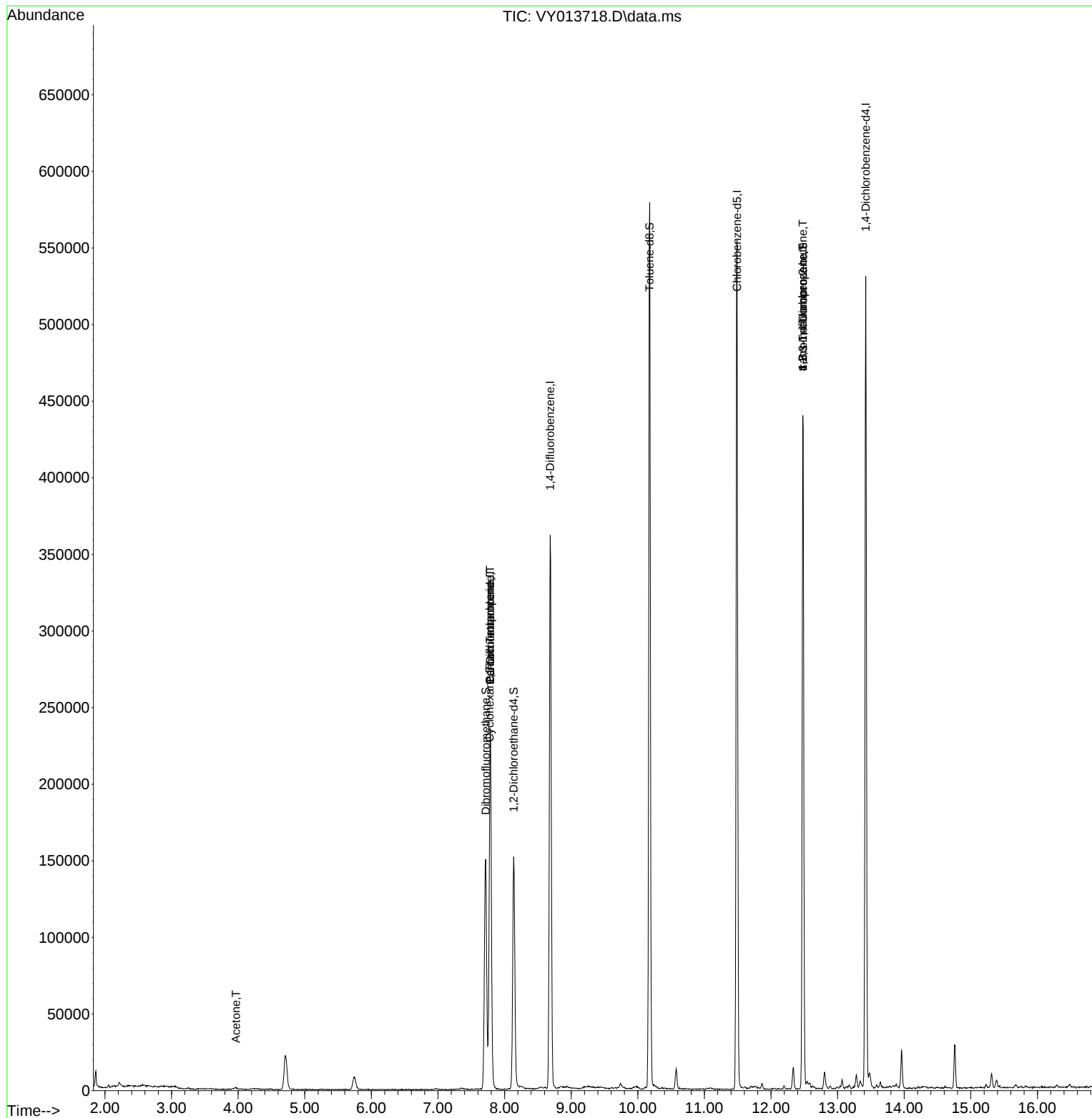
Internal Standards						
1) Pentafluorobenzene	7.783	168	181799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	304447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	296227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123586	62.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.020%	
35) Dibromofluoromethane	7.716	113	105059	54.866	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.740%	
50) Toluene-d8	10.179	98	374682	55.004	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.000%	
62) 4-Bromofluorobenzene	12.477	95	117541	51.184	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.360%	
Target Compounds						Qvalue
16) Acetone	3.967	43	2258	2.877	ug/l	93
20) Methylene Chloride	4.716	84	16433	Below Cal		96
31) Cyclohexane	7.777	56	4323	1.212	ug/l #	48
36) 1,1-Dichloropropene	7.783	75	14157	4.455	ug/l #	49
38) Carbon Tetrachloride	7.783	117	17784	5.339	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	64813	36.141	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64813	73.929	ug/l #	13

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

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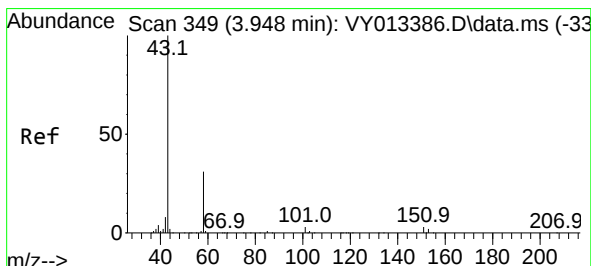
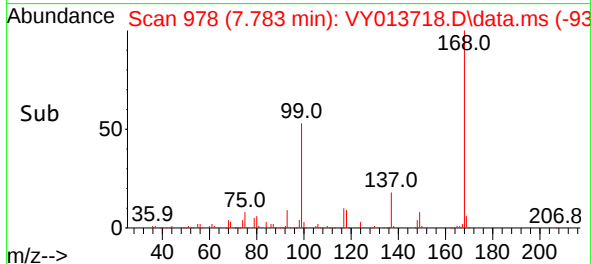
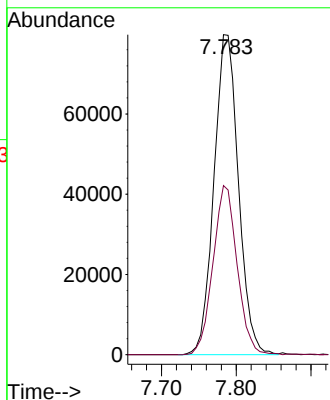
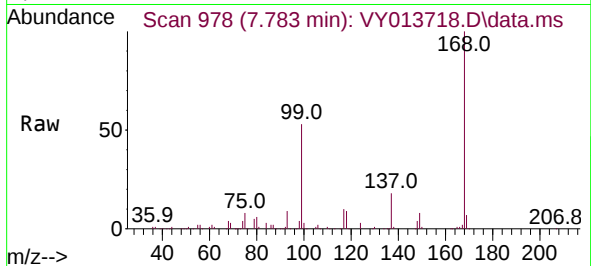




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013718.D
Acq: 11 May 2023 16:11

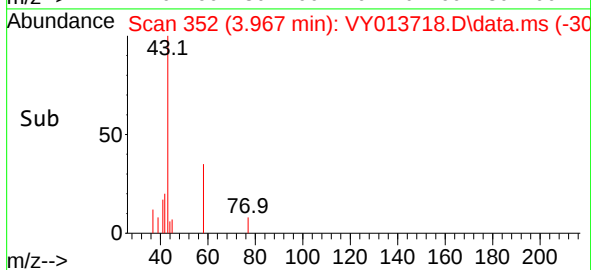
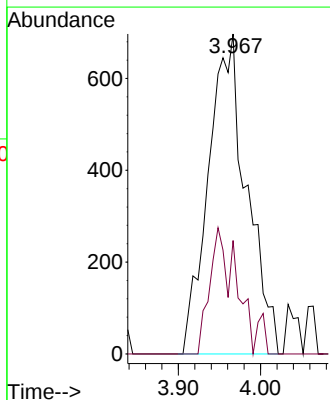
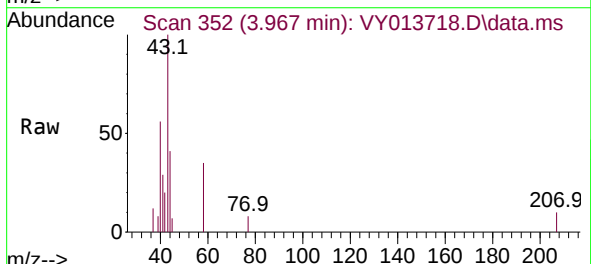
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

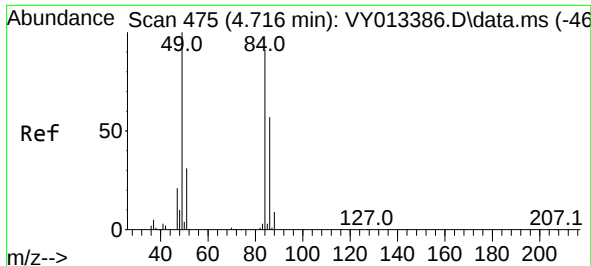
Tgt Ion:168 Resp: 181799
Ion Ratio Lower Upper
168 100
99 52.9 41.8 62.6



#16
Acetone
Concen: 2.877 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.019 min
Lab File: VY013718.D
Acq: 11 May 2023 16:11

Tgt Ion: 43 Resp: 2258
Ion Ratio Lower Upper
43 100
58 35.4 25.4 38.0

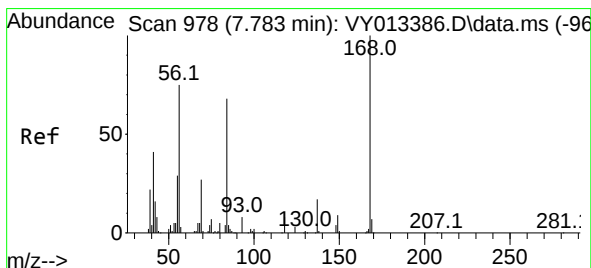
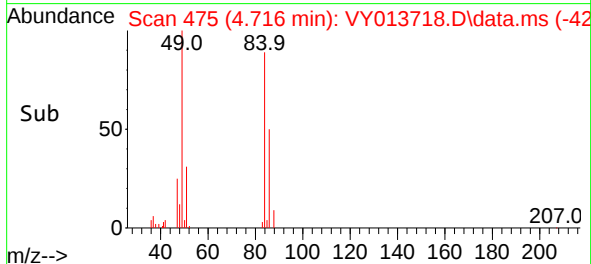
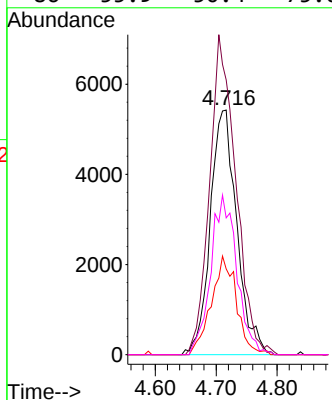
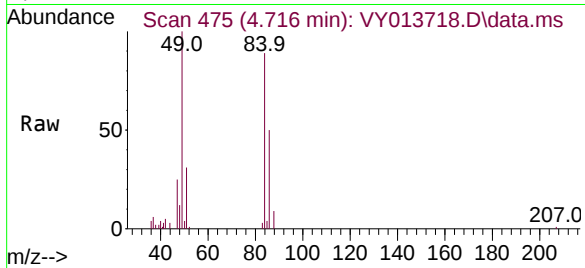




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013718.D
Acq: 11 May 2023 16:11

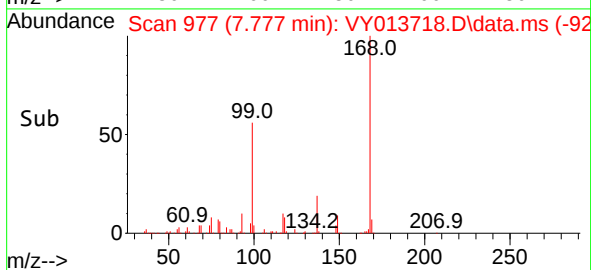
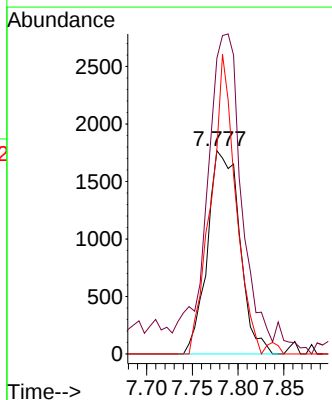
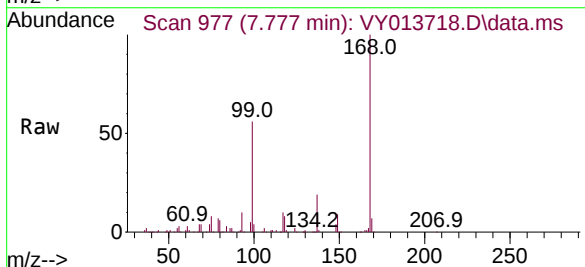
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

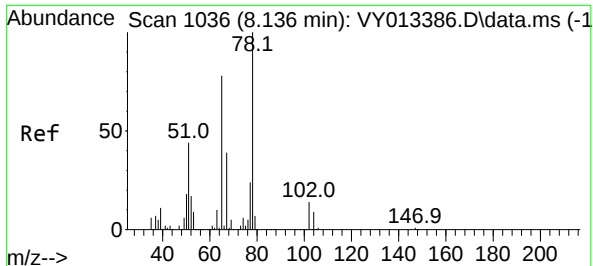
Tgt Ion:	84	Resp:	16433
Ion	Ratio	Lower	Upper
84	100		
49	112.3	88.0	132.0
51	35.1	27.4	41.0
86	55.9	50.4	75.6



#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY013718.D
Acq: 11 May 2023 16:11

Tgt Ion:	56	Resp:	4323
Ion	Ratio	Lower	Upper
56	100		
69	129.9	29.2	43.8#
84	101.0	73.0	109.6





#33

1,2-Dichloroethane-d4

Concen: 62.013 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY013718.D

Acq: 11 May 2023 16:11

Instrument :

MSVOA_Y

ClientSampleId :

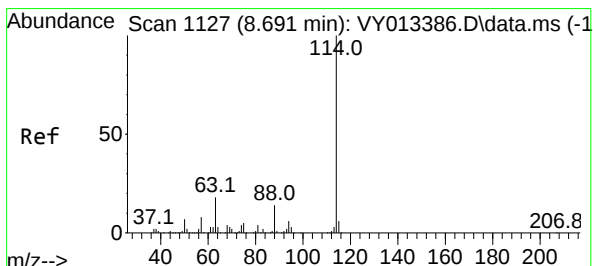
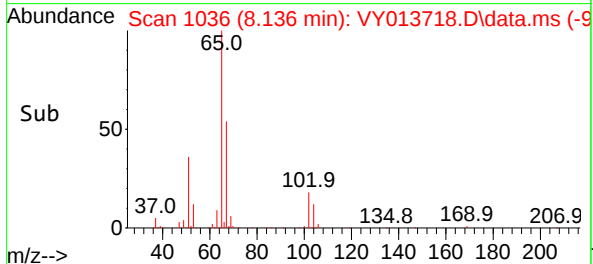
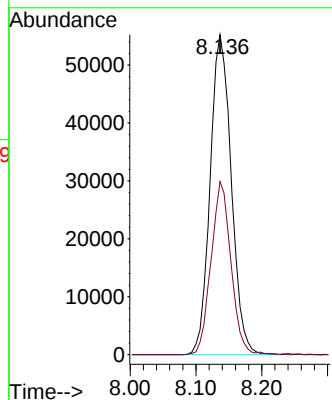
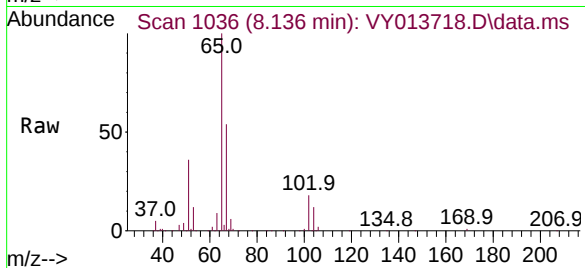
TOPSOIL-OU3-GRILLO-1

Tgt Ion: 65 Resp: 123586

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013718.D

Acq: 11 May 2023 16:11

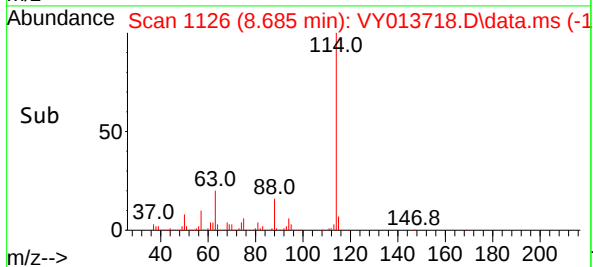
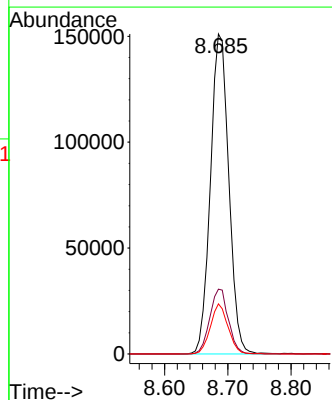
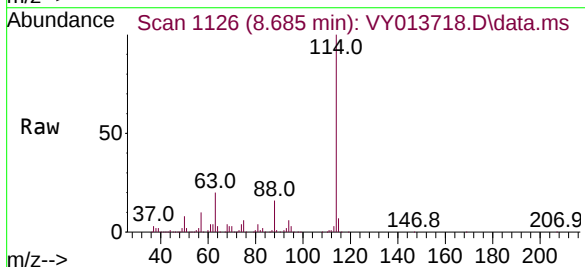
Tgt Ion: 114 Resp: 304447

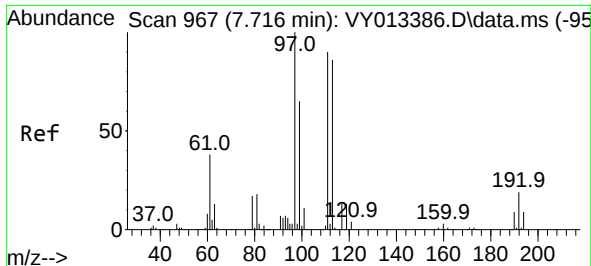
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.6

88 15.6 0.0 28.8

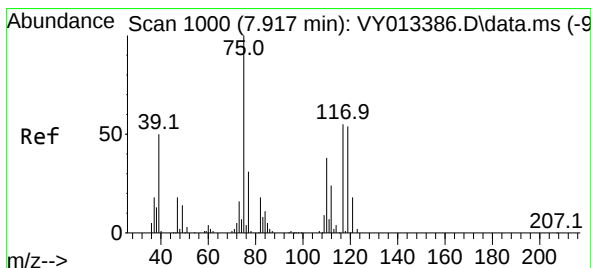
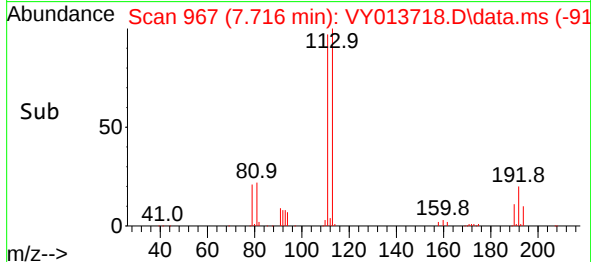
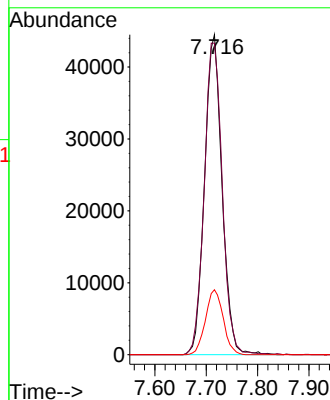
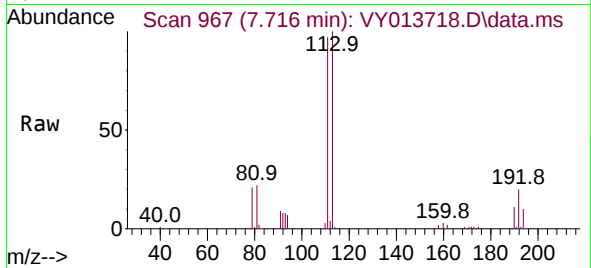




#35
Dibromofluoromethane
Concen: 54.866 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013718.D
Acq: 11 May 2023 16:11

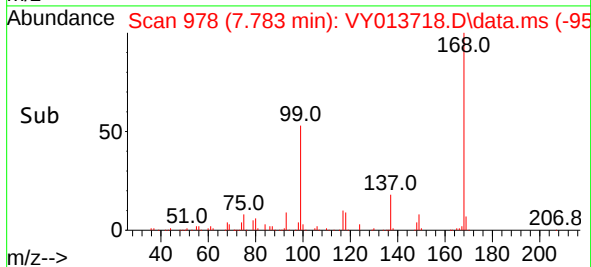
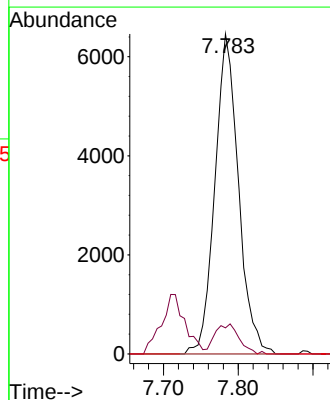
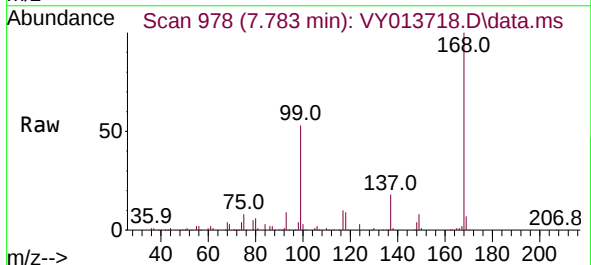
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

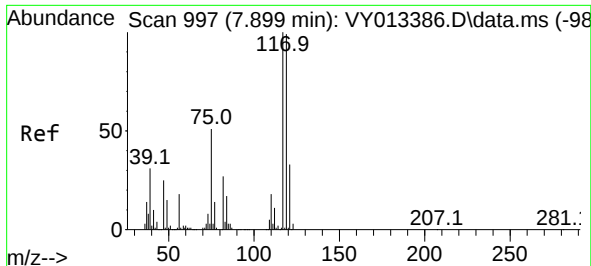
Tgt Ion:113 Resp: 105059
Ion Ratio Lower Upper
113 100
111 100.9 82.2 123.2
192 20.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.455 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013718.D
Acq: 11 May 2023 16:11

Tgt Ion: 75 Resp: 14157
Ion Ratio Lower Upper
75 100
110 9.7 18.7 56.1#
77 0.0 24.6 37.0#

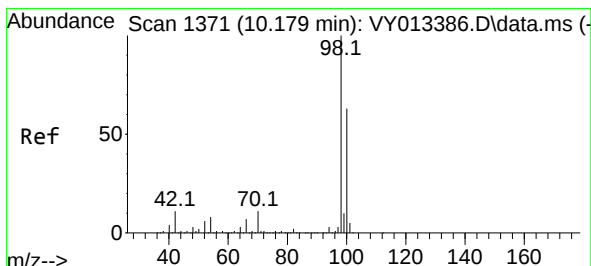
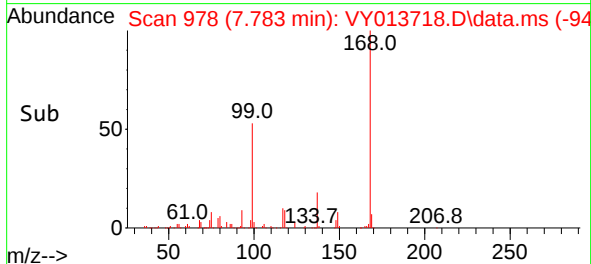
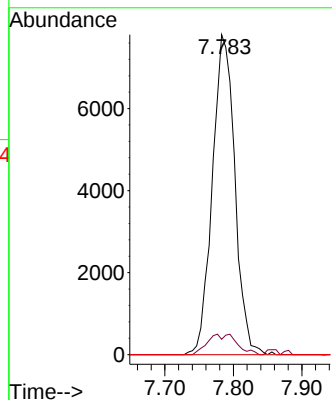
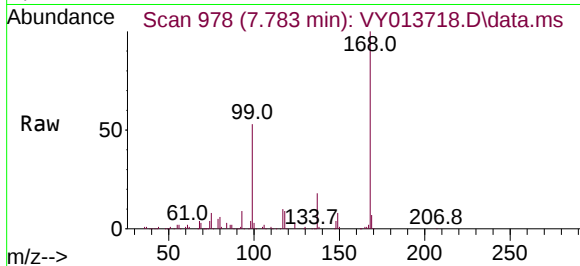




#38
Carbon Tetrachloride
Concen: 5.339 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013718.D
Acq: 11 May 2023 16:11

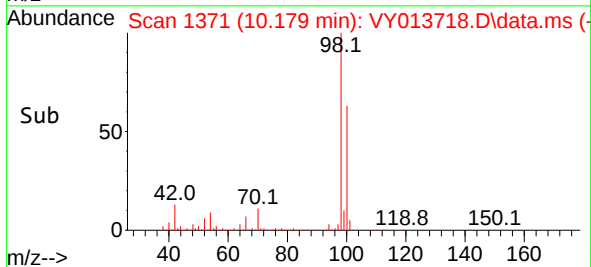
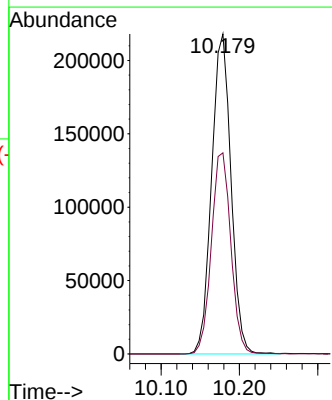
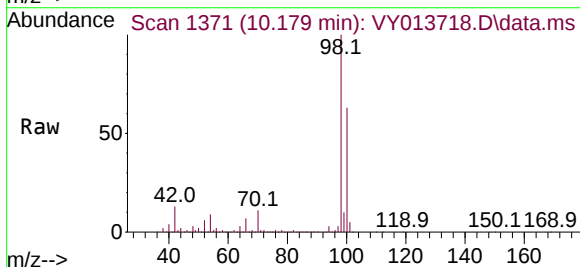
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

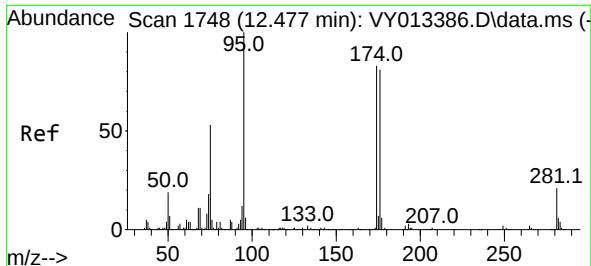
Tgt Ion:117 Resp: 17784
Ion Ratio Lower Upper
117 100
119 4.8 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 55.004 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013718.D
Acq: 11 May 2023 16:11

Tgt Ion: 98 Resp: 374682
Ion Ratio Lower Upper
98 100
100 63.3 50.5 75.7





#62

4-Bromofluorobenzene

Concen: 51.184 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013718.D

Acq: 11 May 2023 16:11

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-GRILLO-1

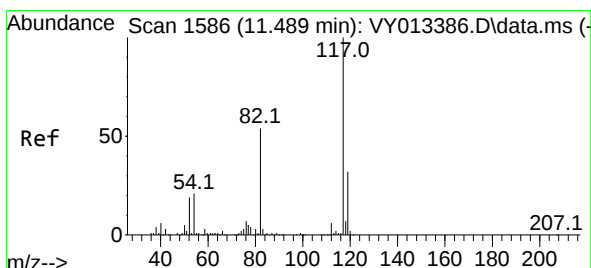
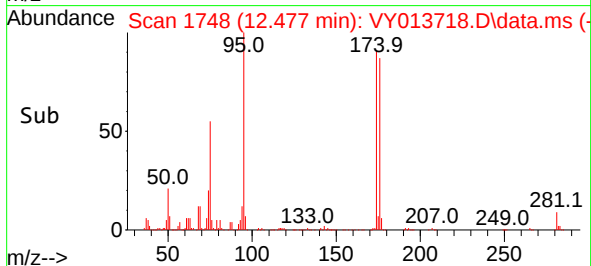
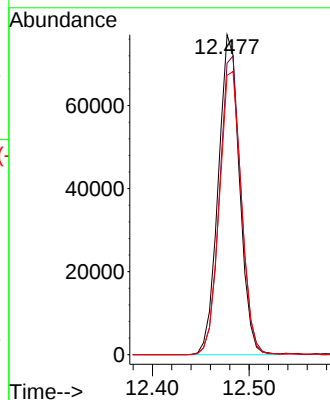
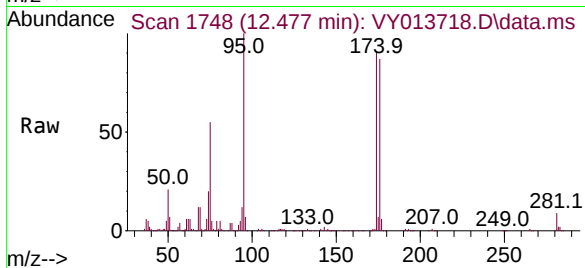
Tgt Ion: 95 Resp: 117541

Ion Ratio Lower Upper

95 100

174 94.3 0.0 182.0

176 91.5 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.001 min

Lab File: VY013718.D

Acq: 11 May 2023 16:11

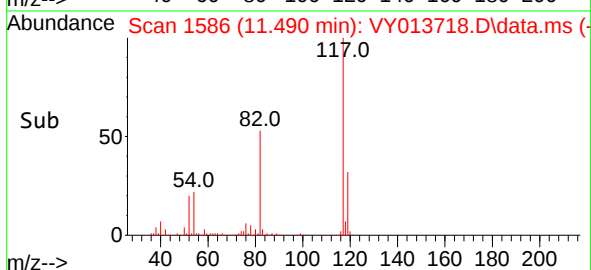
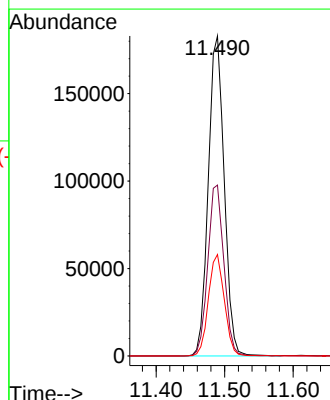
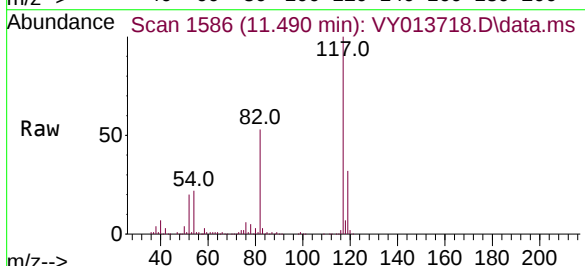
Tgt Ion: 117 Resp: 296227

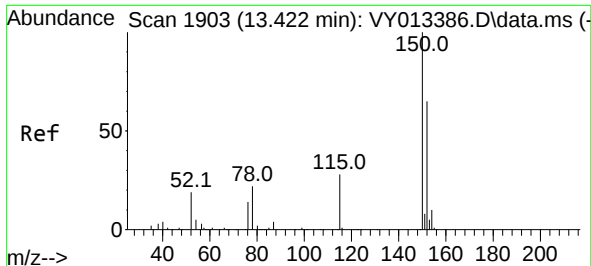
Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.6

119 31.7 25.5 38.3

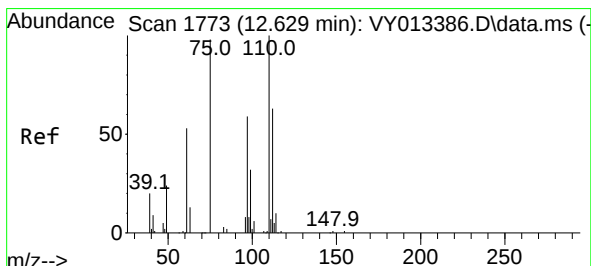
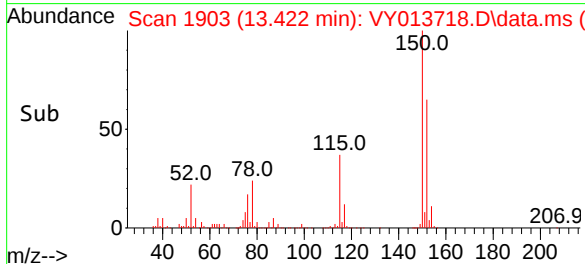
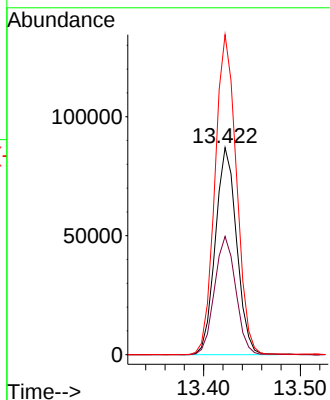
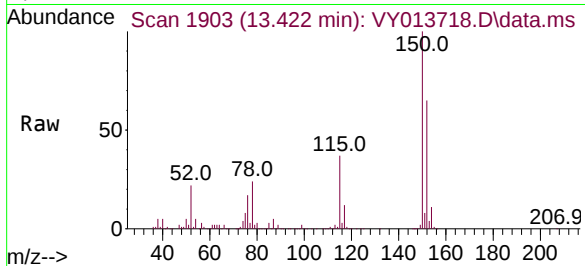




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013718.D
 Acq: 11 May 2023 16:11

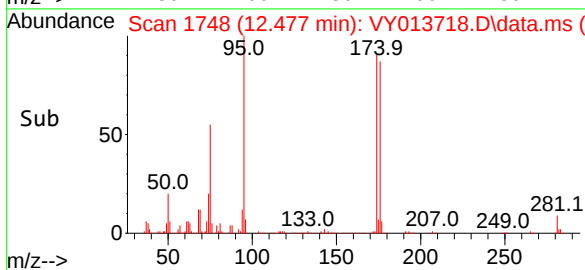
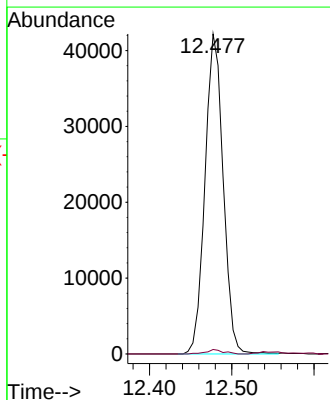
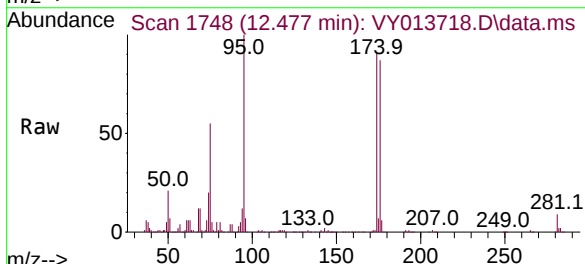
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-OU3-GRILLO-1

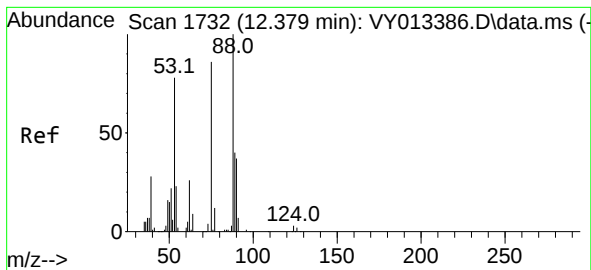
Tgt Ion:152 Resp: 132974
 Ion Ratio Lower Upper
 152 100
 115 56.9 28.1 84.2
 150 155.8 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 36.141 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013718.D
 Acq: 11 May 2023 16:11

Tgt Ion: 75 Resp: 64813
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.929 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013718.D
Acq: 11 May 2023 16:11

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

Tgt Ion: 75 Resp: 64813
Ion Ratio Lower Upper
75 100
53 0.3 73.2 109.8#
89 0.3 38.0 57.0#

