

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030222\
 Data File : VY007689.D
 Acq On : 02 Mar 2022 15:06
 Operator : SY/MD
 Sample : N1731-02
 Misc : 4.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VACLOT-TOPSOIL-GRILLO-01A

Quant Time: Mar 03 00:34:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

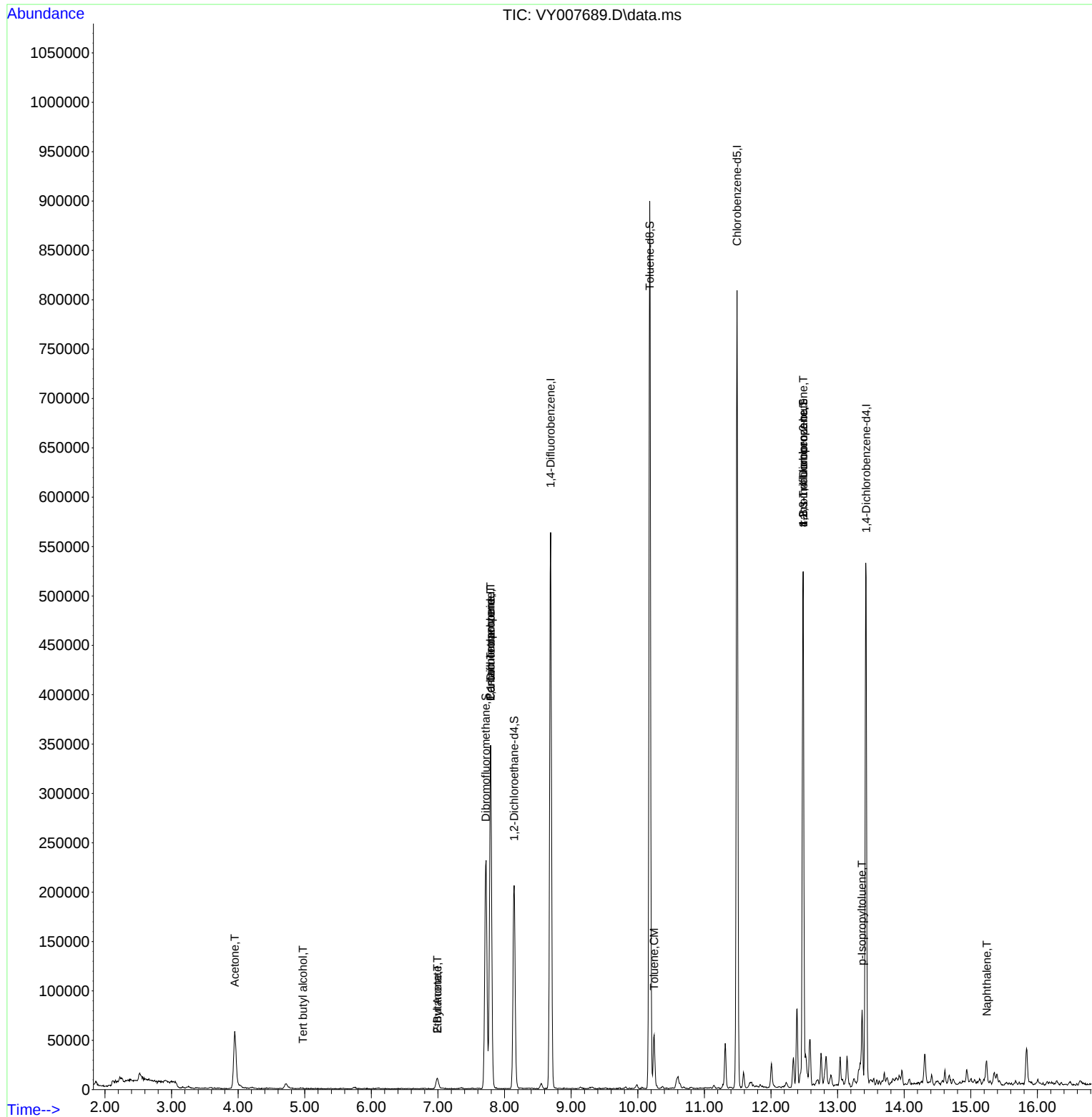
Internal Standards						
1) Pentafluorobenzene	7.789	168	266979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	479298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	421585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	162005	57.962	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.920%	
35) Dibromofluoromethane	7.716	113	161105	52.575	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.140%	
50) Toluene-d8	10.179	98	582441	51.635	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.280%	
62) 4-Bromofluorobenzene	12.483	95	147187	40.481	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.960%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	2670	Below Cal		99
11) Tert butyl alcohol	4.972	59	859	3.550 ug/l #		77
13) Acrolein	3.753	56	72	Below Cal #		14
16) Acetone	3.948	43	99858	175.625 ug/l #		89
17) Carbon Disulfide	4.192	76	345	Below Cal #		75
18) Methyl Acetate	4.473	43	661	Below Cal #		56
20) Methylene Chloride	4.729	84	3526	Below Cal #		67
25) 2-Butanone	6.990	43	17617	18.470 ug/l #		76
31) Cyclohexane	7.795	56	5996	Below Cal #		29
36) 1,1-Dichloropropene	7.789	75	20445	4.241 ug/l #		51
37) Ethyl Acetate	6.990	43	17617	6.617 ug/l #		72
38) Carbon Tetrachloride	7.789	117	26514	5.156 ug/l #		16
52) Toluene	10.246	92	22232	2.563 ug/l		98
76) 1,2,3-Trichloropropane	12.483	75	83021	56.911 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.483	75	83021	116.347 ug/l #		7
86) p-Isopropyltoluene	13.367	119	37812	4.135 ug/l		97
95) Naphthalene	15.239	128	18954	3.553 ug/l		98

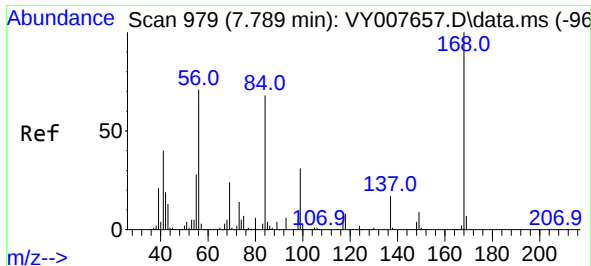
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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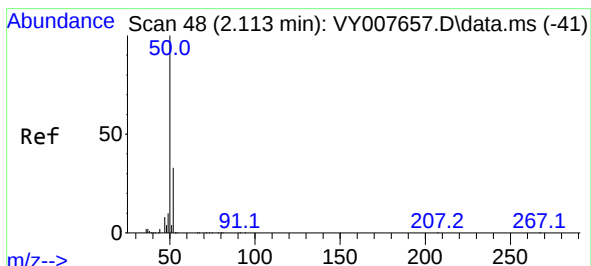
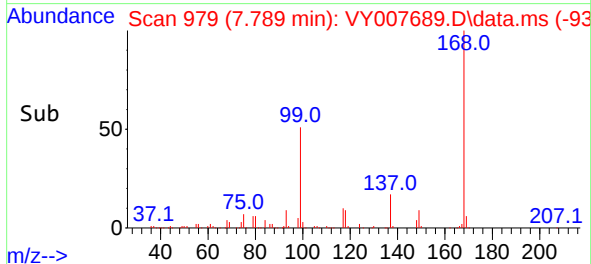
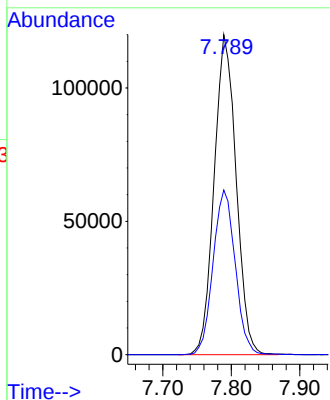
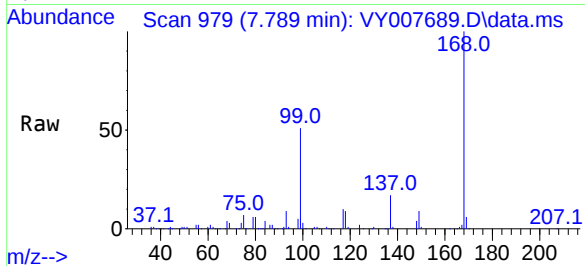




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

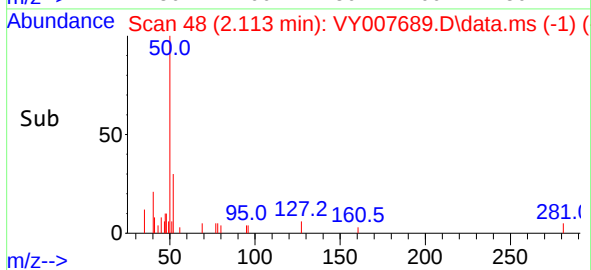
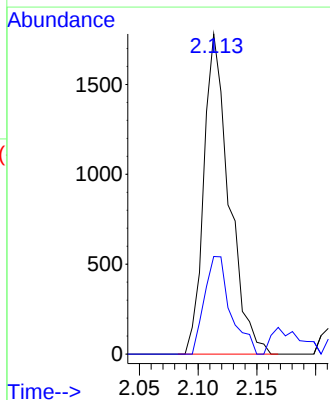
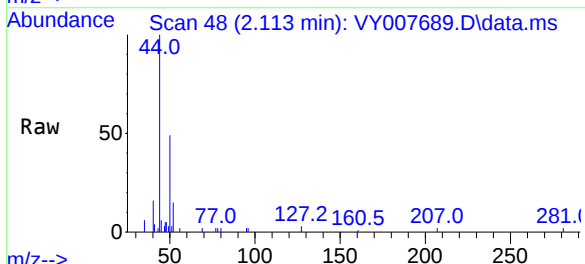
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01A

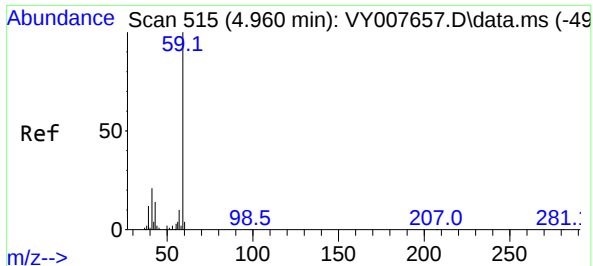
Tgt Ion:168 Resp: 266979
Ion Ratio Lower Upper
168 100
99 51.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

Tgt Ion: 50 Resp: 2670
Ion Ratio Lower Upper
50 100
52 30.5 24.6 37.0





#11

Tert butyl alcohol

Concen: 3.550 ug/l

RT: 4.972 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY007689.D

Acq: 02 Mar 2022 15:06

Instrument :

MSVOA_Y

ClientSampleId :

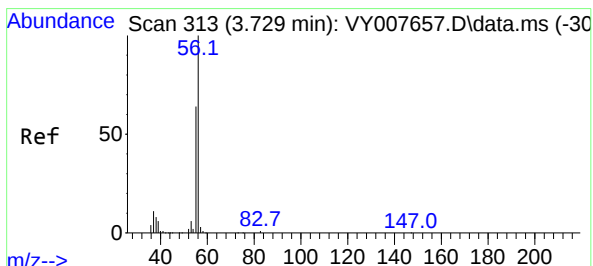
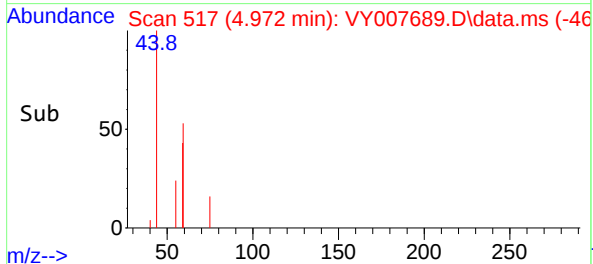
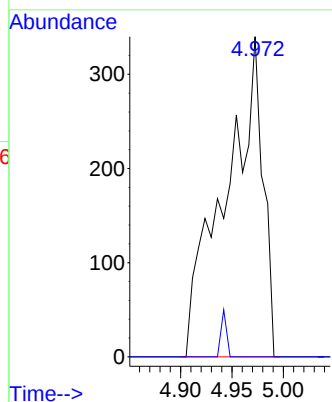
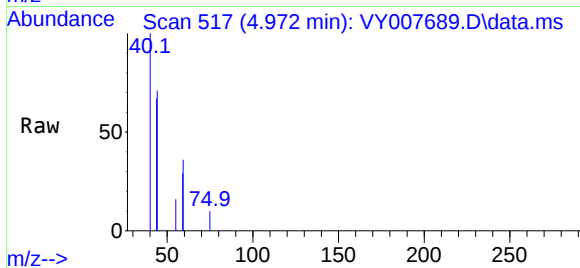
VACLOT-TOPSOIL-GRILLO-01A

Tgt Ion: 59 Resp: 859

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: Below Cal

RT: 3.753 min Scan# 317

Delta R.T. 0.024 min

Lab File: VY007689.D

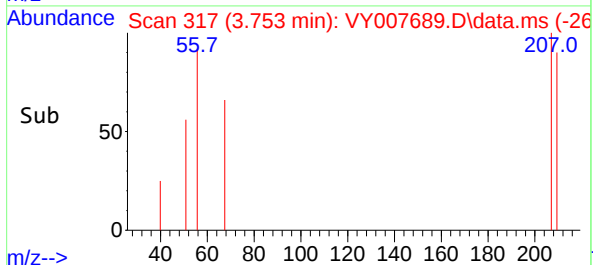
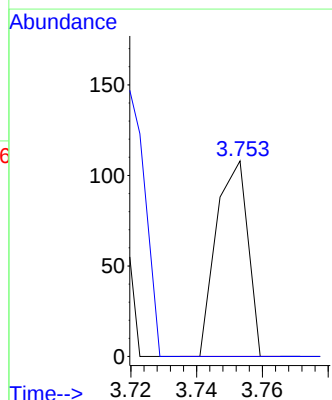
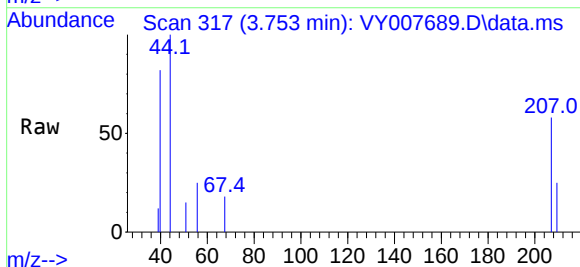
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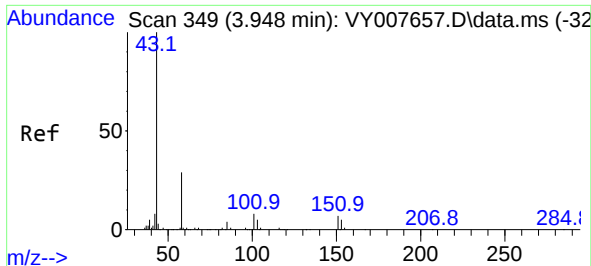
Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#

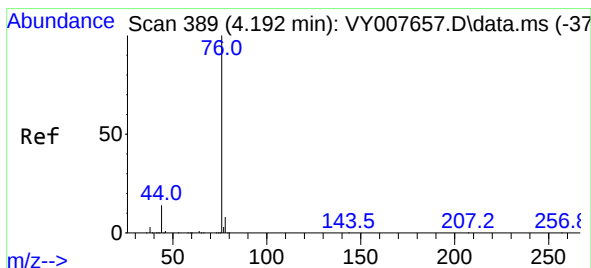
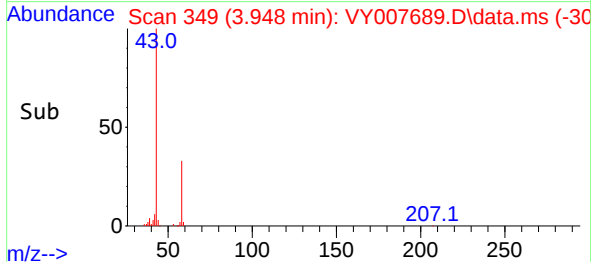
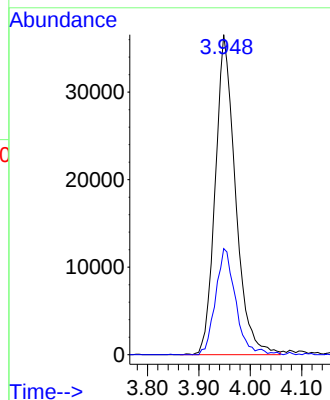
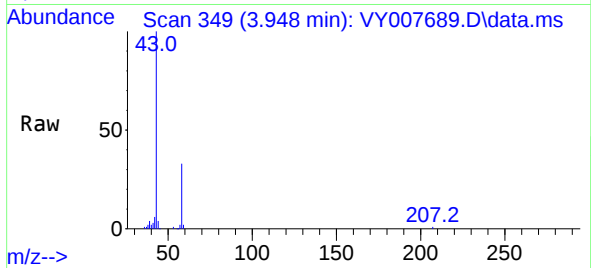




#16
Acetone
Concen: 175.625 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

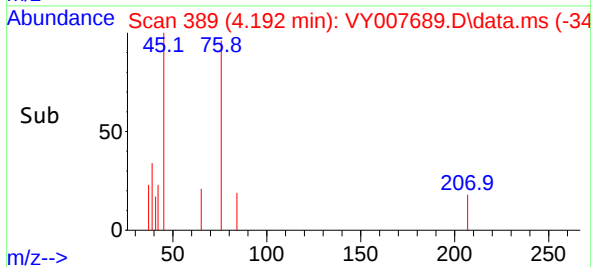
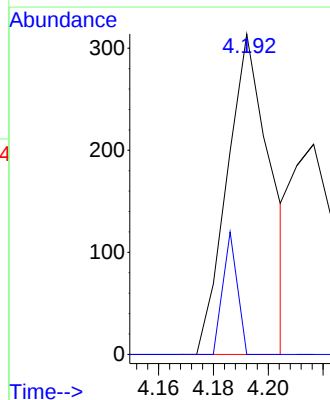
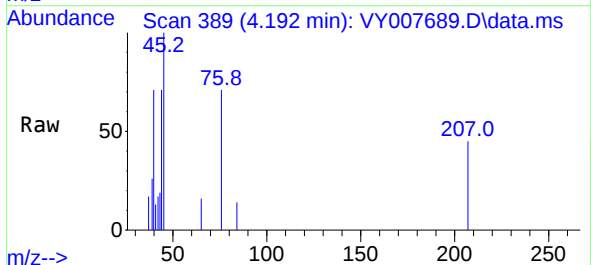
Instrument :
MSVOA_Y
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VACLOT-TOPSOIL-GRILLO-01A

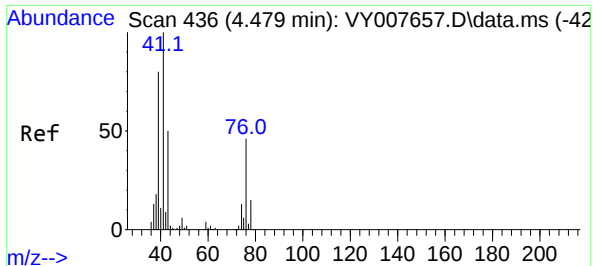
Tgt Ion: 43 Resp: 99858
Ion Ratio Lower Upper
43 100
58 33.1 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

Tgt Ion: 76 Resp: 345
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

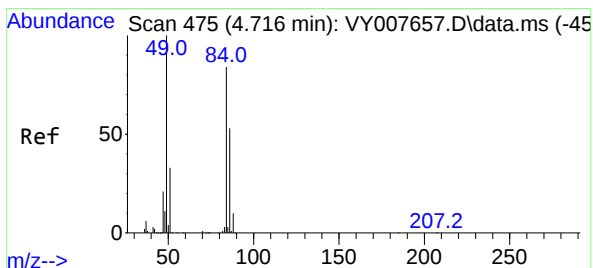
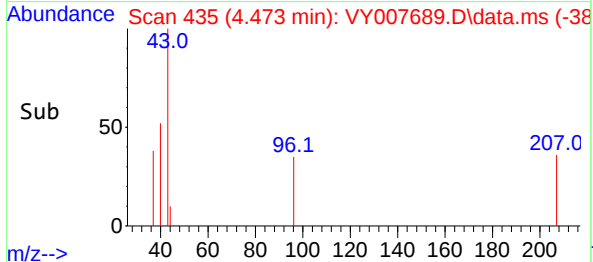
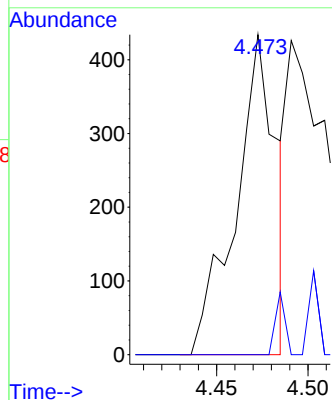
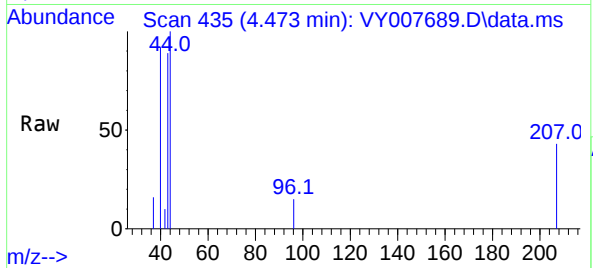




#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

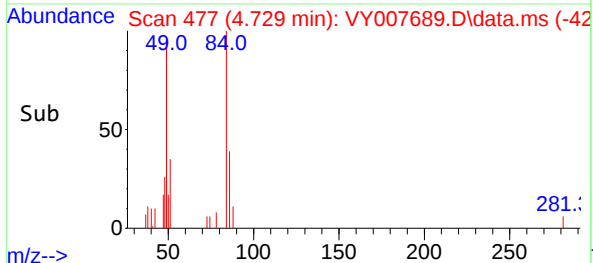
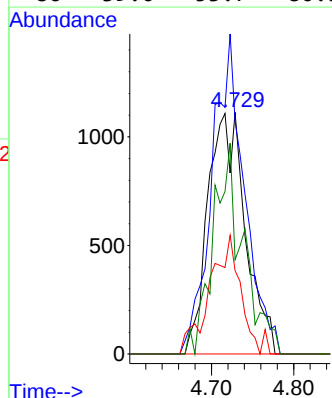
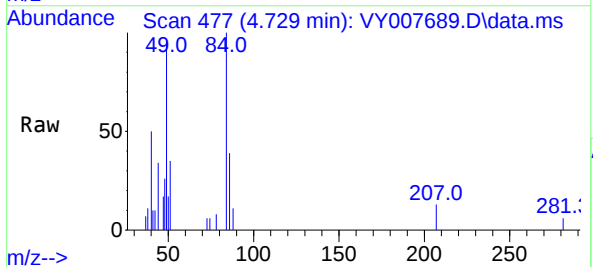
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01A

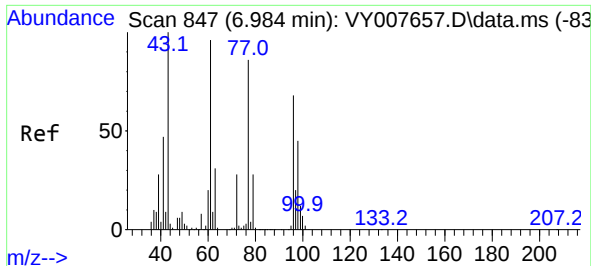
Tgt Ion: 43 Resp: 661
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.013 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

Tgt Ion: 84 Resp: 3526
Ion Ratio Lower Upper
84 100
49 96.2 114.4 171.6#
51 34.5 35.3 52.9#
86 39.0 53.7 80.5#





#25

2-Butanone

Concen: 18.470 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY007689.D

Acq: 02 Mar 2022 15:06

Instrument :

MSVOA_Y

ClientSampleId :

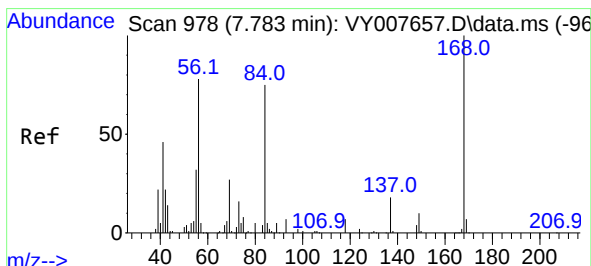
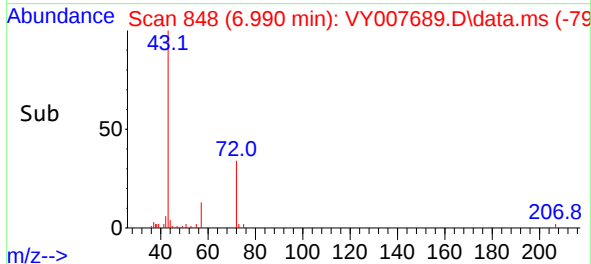
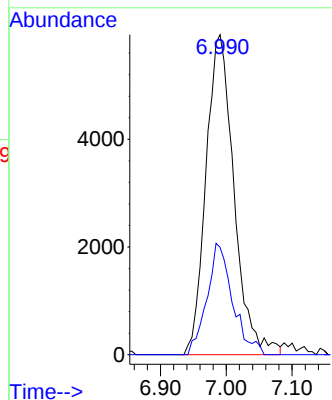
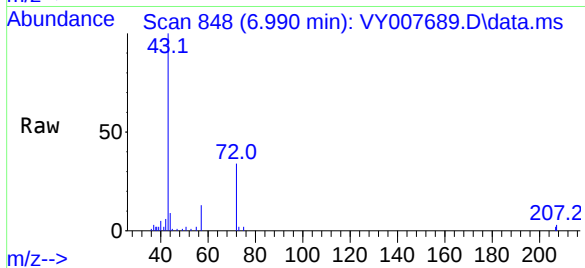
VACLOT-TOPSOIL-GRILLO-01A

Tgt Ion: 43 Resp: 17617

Ion Ratio Lower Upper

43 100

72 33.5 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY007689.D

Acq: 02 Mar 2022 15:06

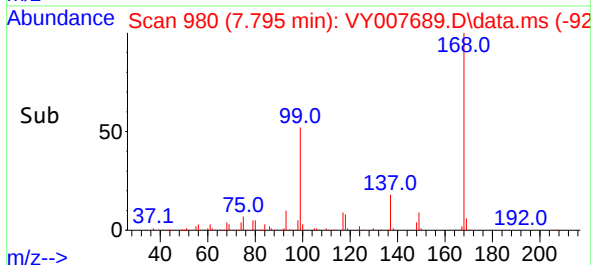
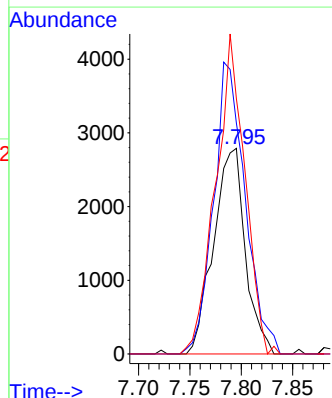
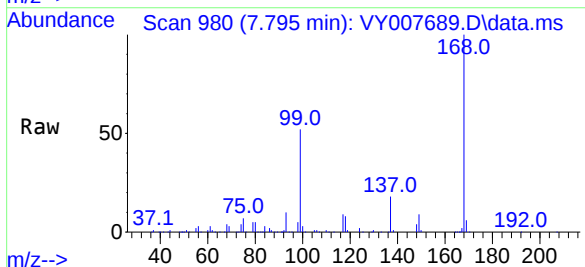
Tgt Ion: 56 Resp: 5996

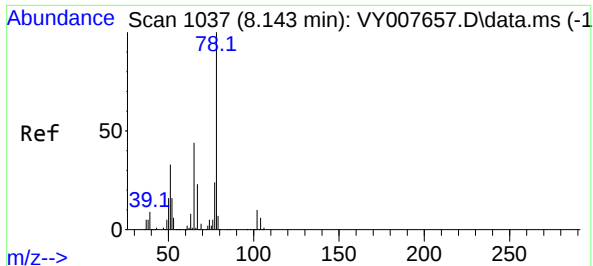
Ion Ratio Lower Upper

56 100

69 112.4 26.7 40.1#

84 124.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.962 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY007689.D

Acq: 02 Mar 2022 15:06

Instrument :

MSVOA_Y

ClientSampleId :

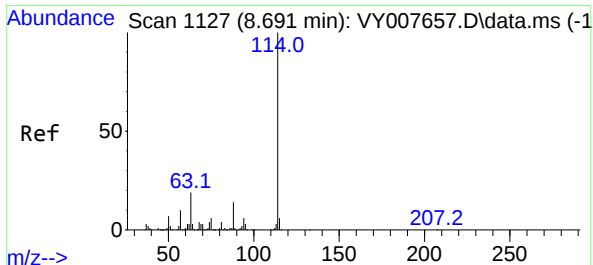
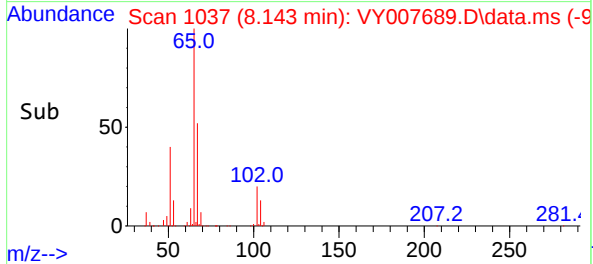
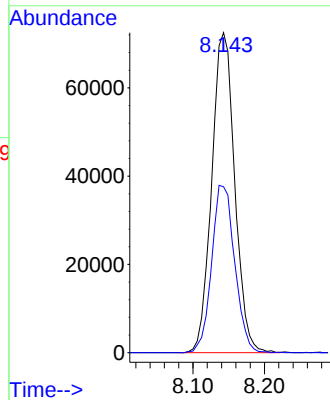
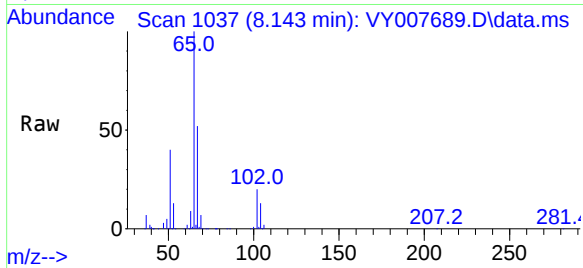
VACLOT-TOPSOIL-GRILLO-01A

Tgt Ion: 65 Resp: 162005

Ion Ratio Lower Upper

65 100

67 52.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007689.D

Acq: 02 Mar 2022 15:06

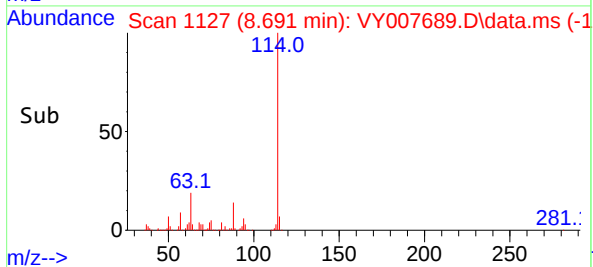
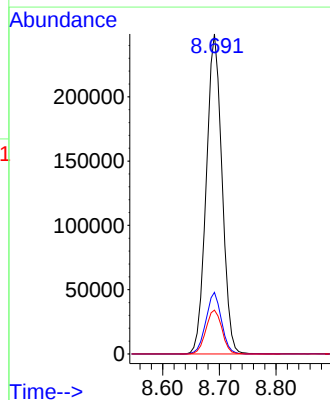
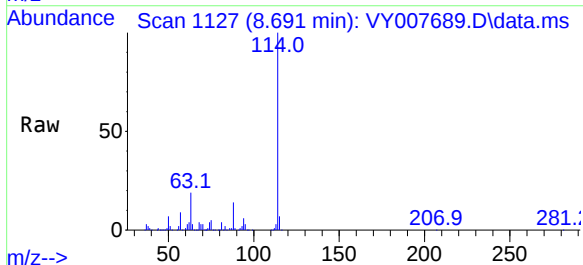
Tgt Ion:114 Resp: 479298

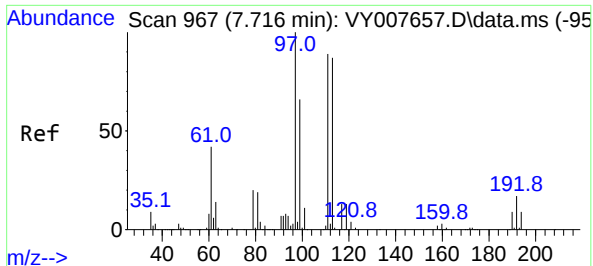
Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 13.7 0.0 31.8

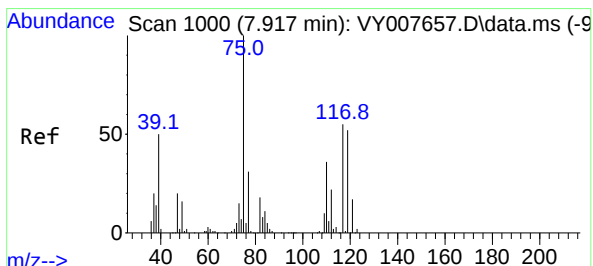
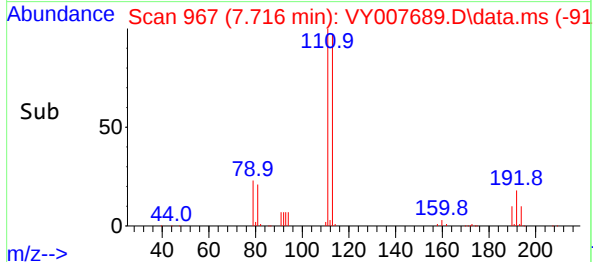
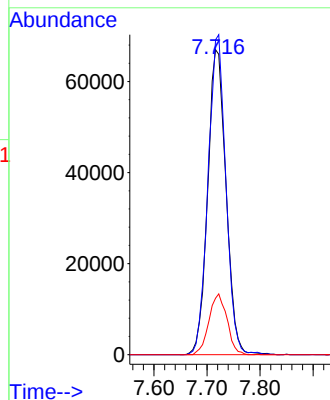
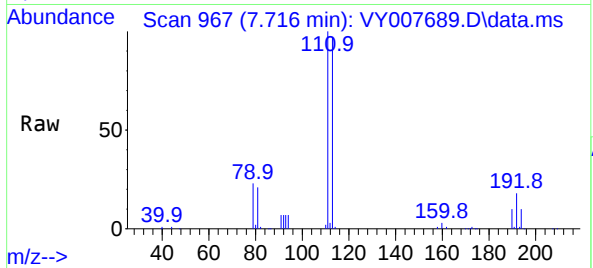




#35
Dibromofluoromethane
Concen: 52.575 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

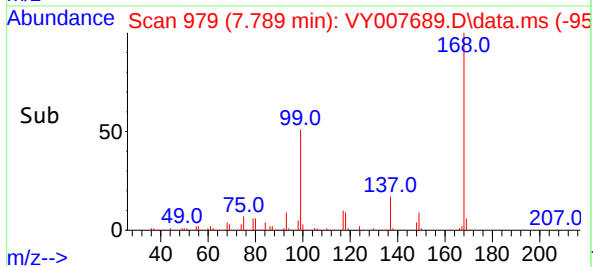
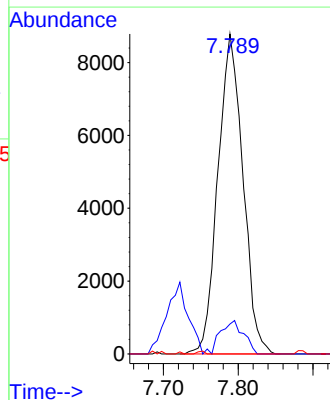
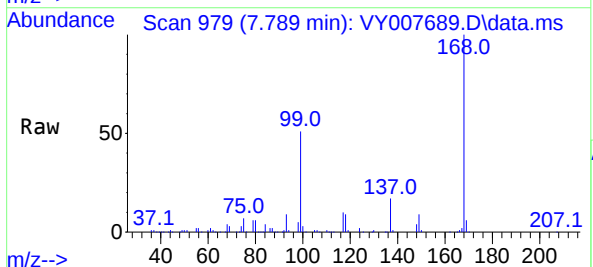
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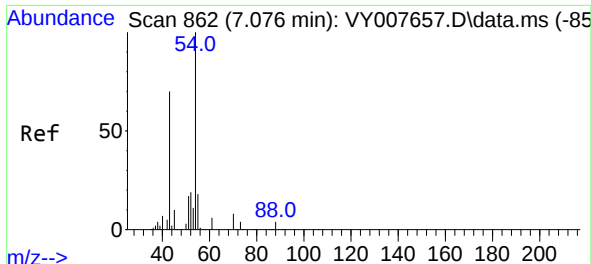
Tgt Ion:113 Resp: 161105
Ion Ratio Lower Upper
113 100
111 101.6 82.6 124.0
192 19.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.241 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

Tgt Ion: 75 Resp: 20445
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.0 24.4 36.6#

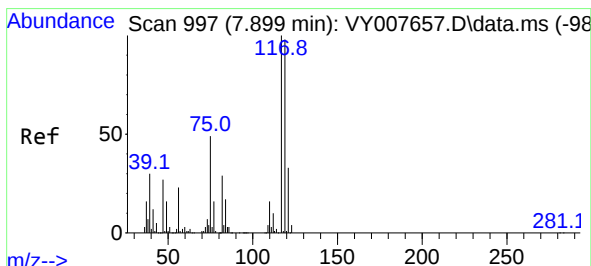
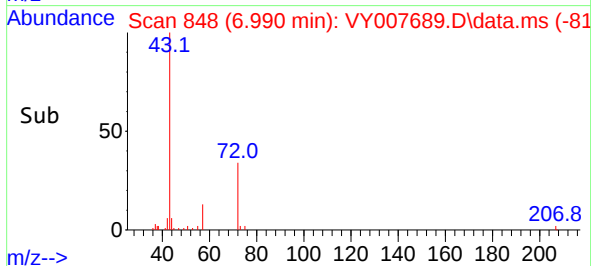
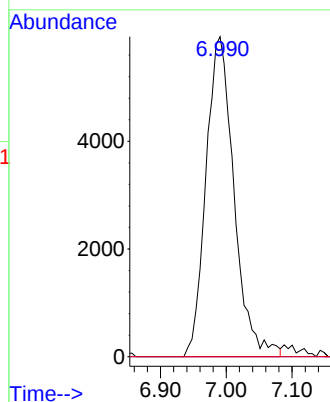
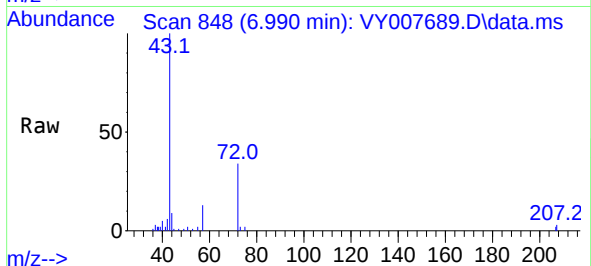




#37
Ethyl Acetate
Concen: 6.617 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.086 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

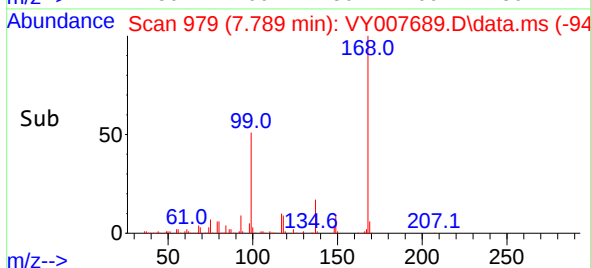
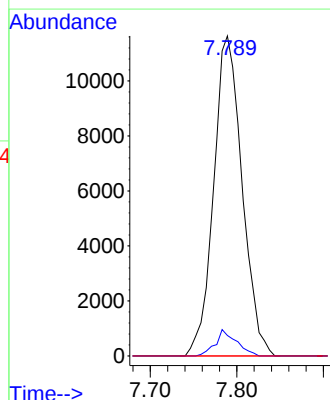
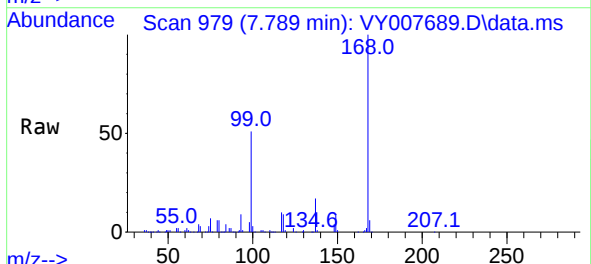
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01A

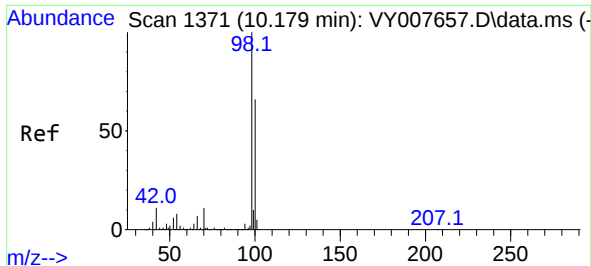
Tgt Ion: 43 Resp: 17617
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.156 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

Tgt Ion: 117 Resp: 26514
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#

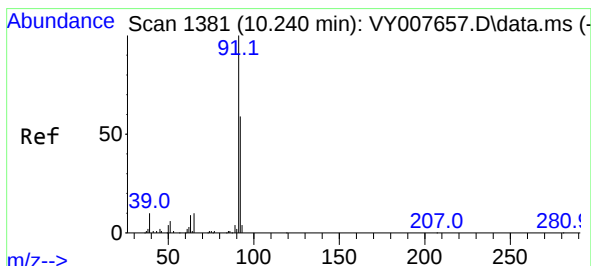
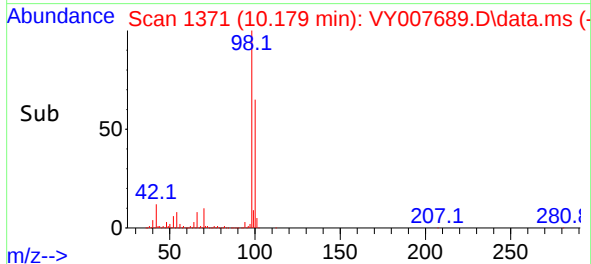
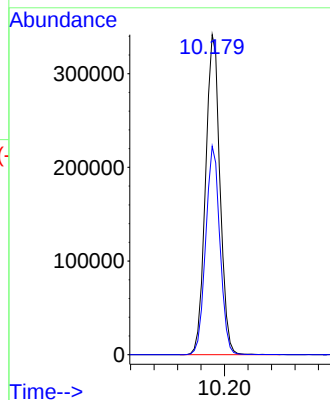
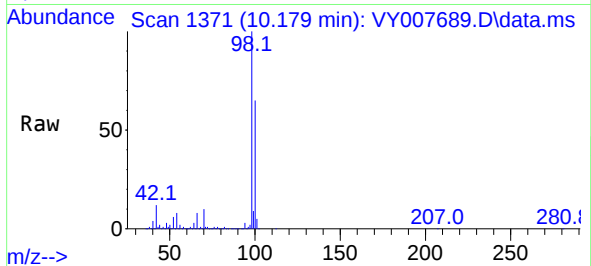




#50
Toluene-d8
Concen: 51.635 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

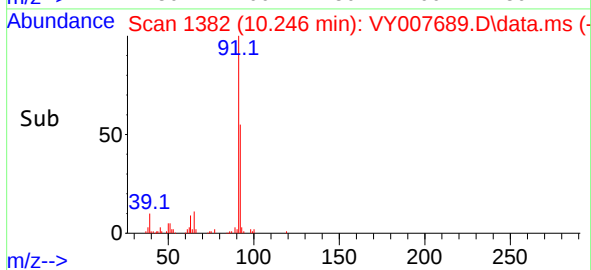
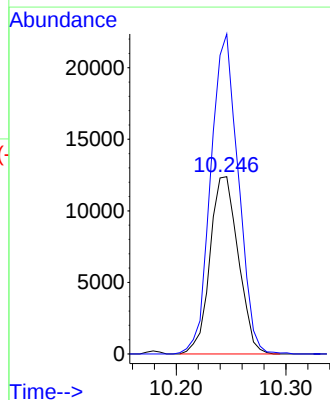
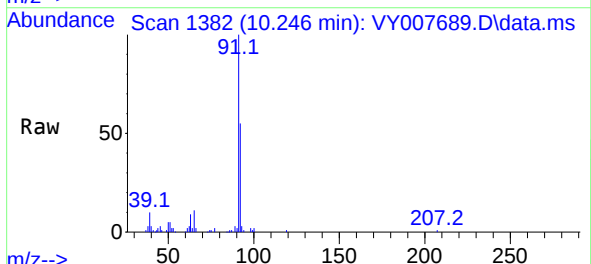
Instrument : MSVOA_Y
ClientSampleId : VACLOT-TOPSOIL-GRILLO-01A

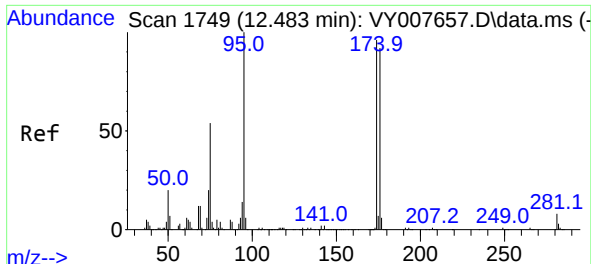
Tgt Ion: 98 Resp: 582441
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2



#52
Toluene
Concen: 2.563 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

Tgt Ion: 92 Resp: 22232
Ion Ratio Lower Upper
92 100
91 175.5 142.6 213.8

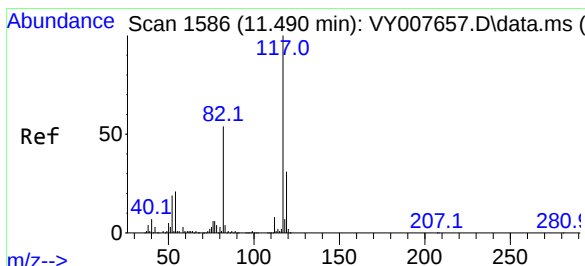
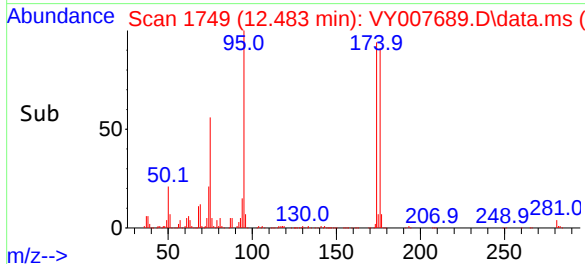
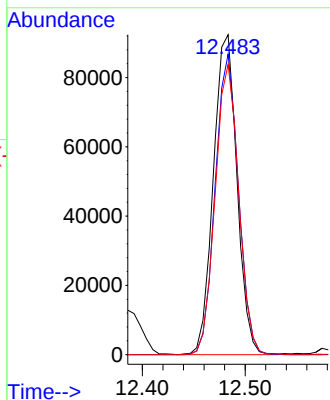
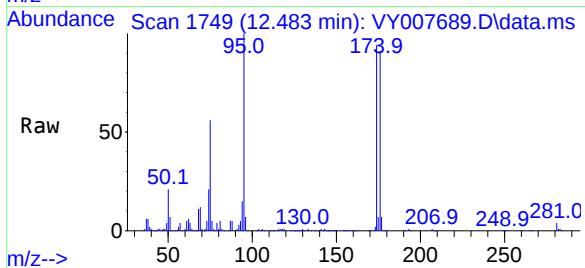




#62
4-Bromofluorobenzene
Concen: 40.481 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

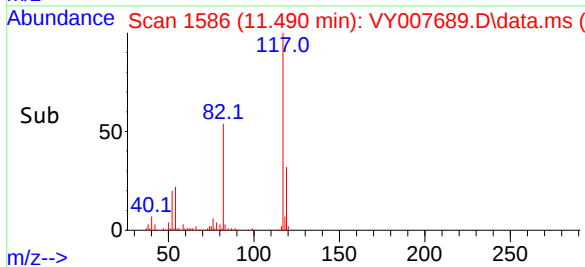
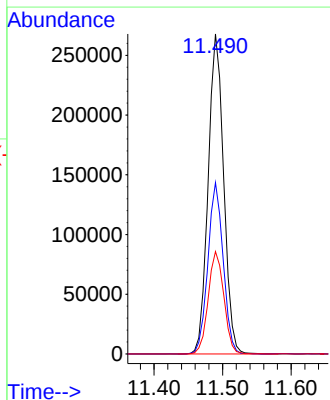
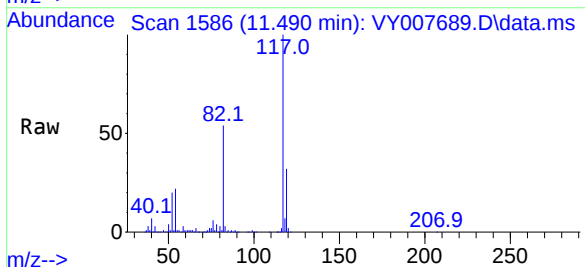
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01A

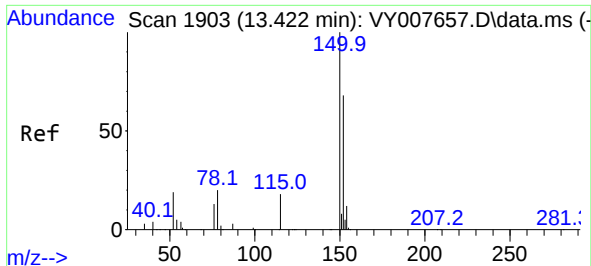
Tgt Ion: 95 Resp: 147187
Ion Ratio Lower Upper
95 100
174 92.2 0.0 177.0
176 90.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

Tgt Ion: 117 Resp: 421585
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 32.0 25.4 38.0

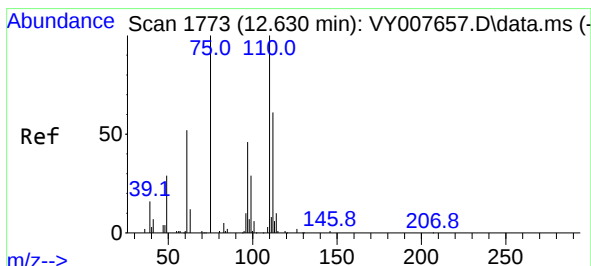
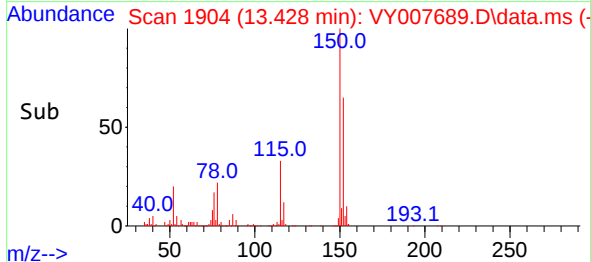
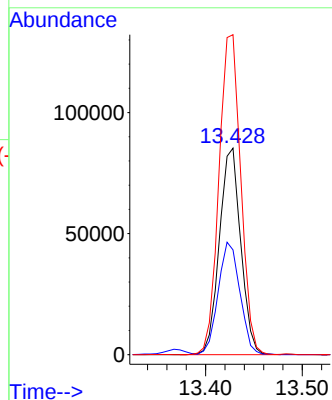
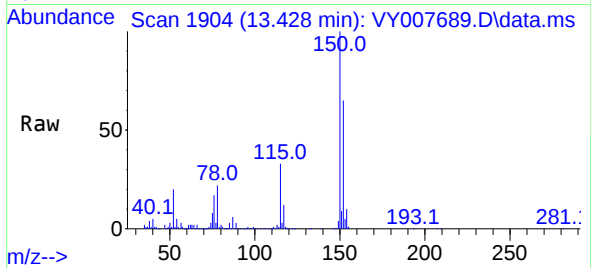




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY007689.D
 Acq: 02 Mar 2022 15:06

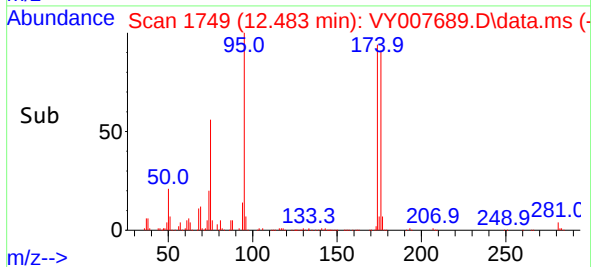
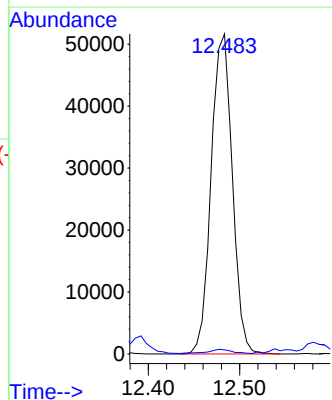
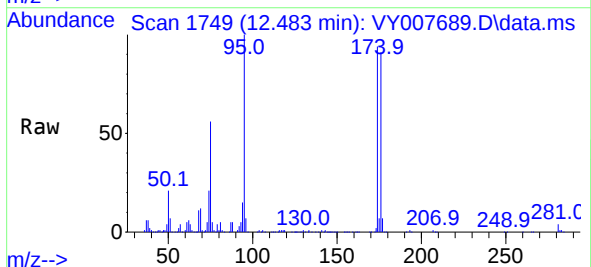
Instrument : MSVOA_Y
 ClientSampleId : VACLOT-TOPSOIL-GRILLO-01A

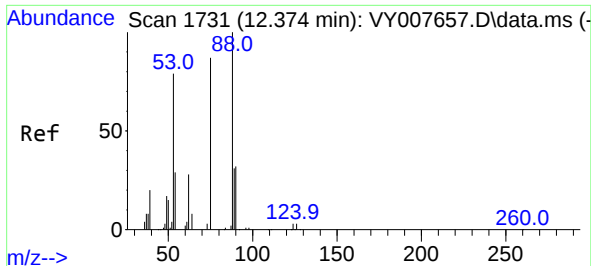
Tgt Ion:152 Resp: 130627
 Ion Ratio Lower Upper
 152 100
 115 55.4 28.2 84.7
 150 158.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 56.911 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY007689.D
 Acq: 02 Mar 2022 15:06

Tgt Ion: 75 Resp: 83021
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

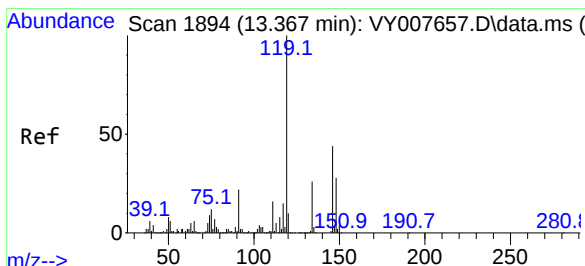
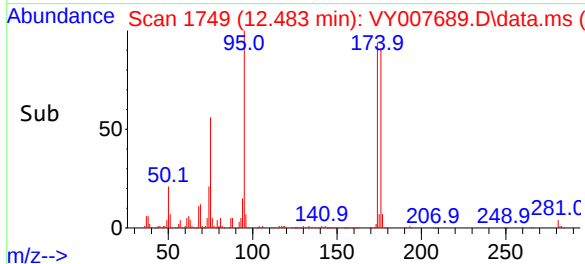
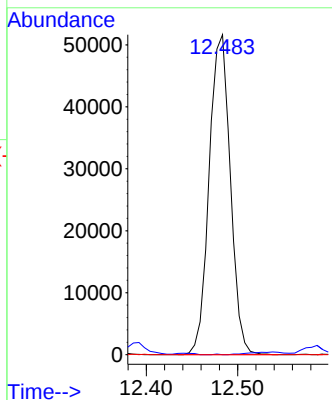
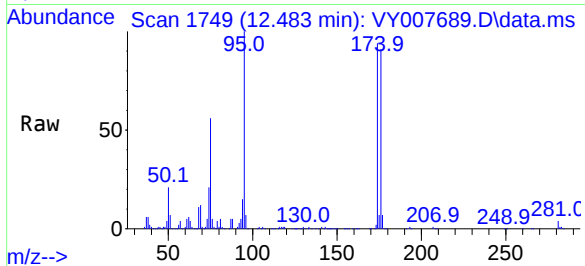




#81
trans-1,4-Dichloro-2-butene
Concen: 116.347 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

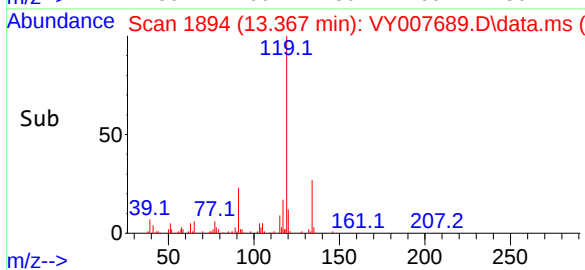
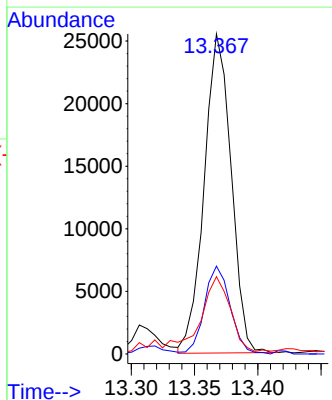
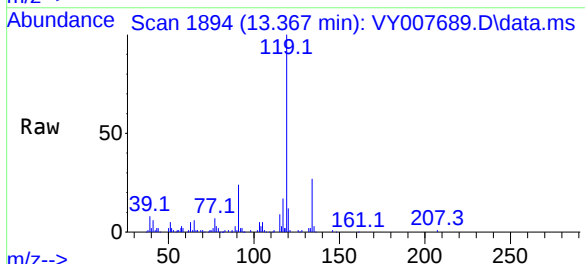
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01A

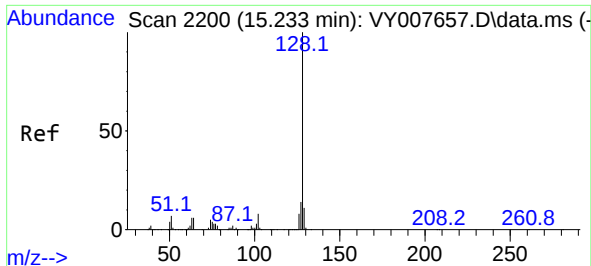
Tgt Ion: 75 Resp: 83021
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#86
p-Isopropyltoluene
Concen: 4.135 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

Tgt Ion: 119 Resp: 37812
Ion Ratio Lower Upper
119 100
134 26.3 13.2 39.5
91 27.6 12.4 37.2





#95
Naphthalene
Concen: 3.553 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY007689.D
Acq: 02 Mar 2022 15:06

Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01A

Tgt Ion:	128	Resp:	18954
Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.4
129	11.7	8.4	12.6

