

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030222\
 Data File : VY007688.D
 Acq On : 02 Mar 2022 14:43
 Operator : SY/MD
 Sample : N1731-01
 Misc : 4.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Mar 03 00:34:12 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)

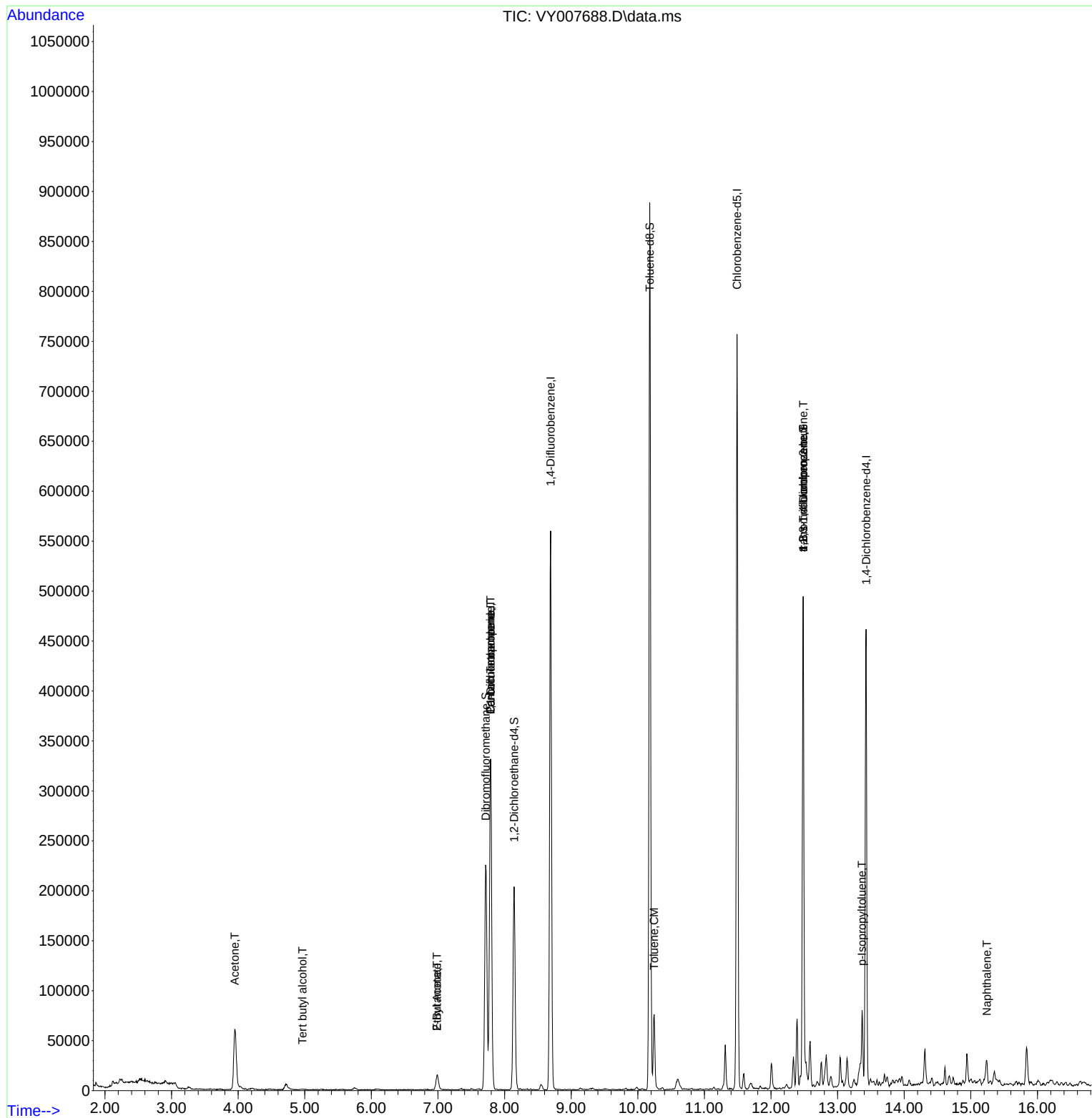
Internal Standards						
1) Pentafluorobenzene	7.789	168	266645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	476007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	392264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	153553	55.007	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.020%			
35) Dibromofluoromethane	7.716	113	156137	51.306	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.620%			
50) Toluene-d8	10.179	98	566172	50.540	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.483	95	134577	37.268	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 74.540%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	2366	Below Cal	#	86
11) Tert butyl alcohol	4.966	59	986	4.080	ug/l #	77
13) Acrolein	3.735	56	37	Below Cal	#	1
16) Acetone	3.948	43	108575	191.196	ug/l	94
17) Carbon Disulfide	4.192	76	500	Below Cal	#	75
18) Methyl Acetate	4.485	43	903	Below Cal	#	76
20) Methylene Chloride	4.716	84	3663	Below Cal	#	78
25) 2-Butanone	6.984	43	24175	25.377	ug/l	92
31) Cyclohexane	7.795	56	6363	Below Cal	#	44
36) 1,1-Dichloropropene	7.789	75	21290	4.447	ug/l #	53
37) Ethyl Acetate	6.984	43	24175	9.143	ug/l #	72
38) Carbon Tetrachloride	7.789	117	25874	5.067	ug/l #	16
52) Toluene	10.246	92	30504	3.541	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	77439	58.951	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	77439	120.517	ug/l #	7
86) p-Isopropyltoluene	13.367	119	37979	4.612	ug/l	94
95) Naphthalene	15.239	128	20062	4.177	ug/l	98

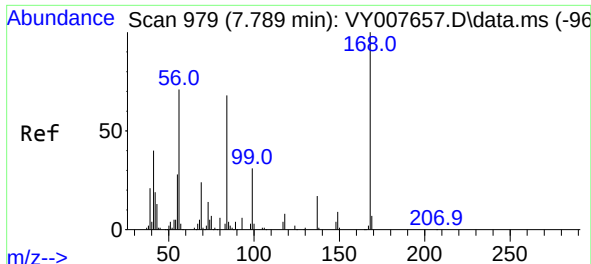
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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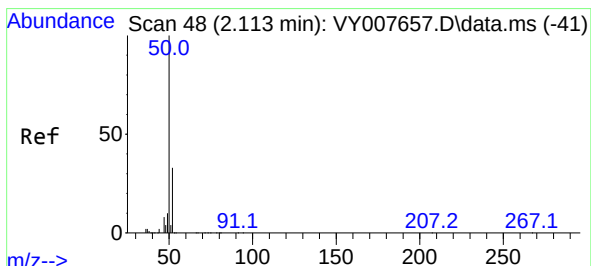
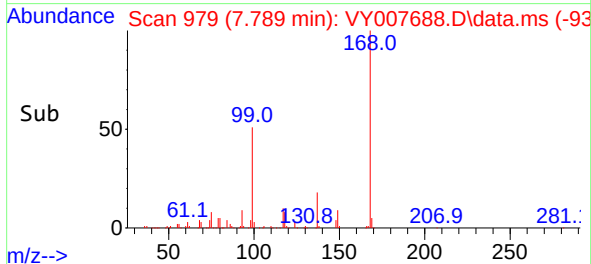
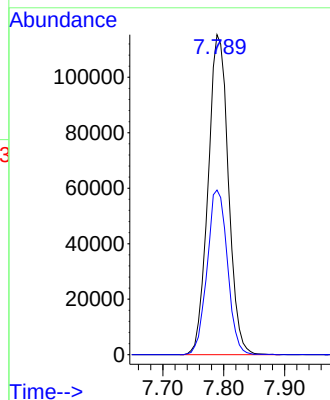
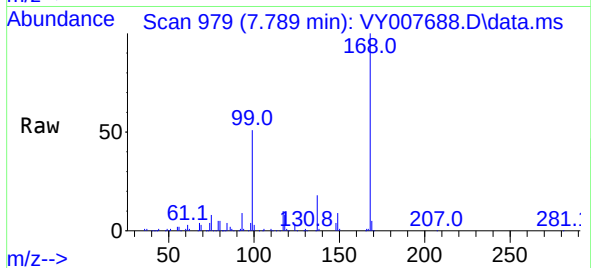




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

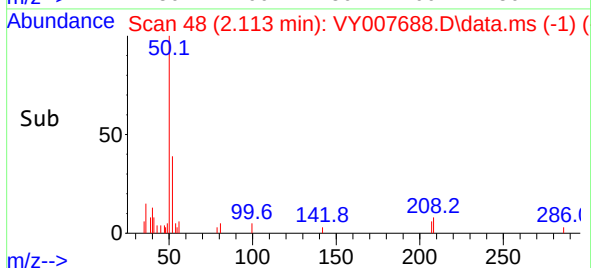
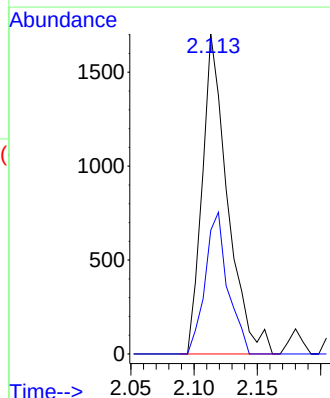
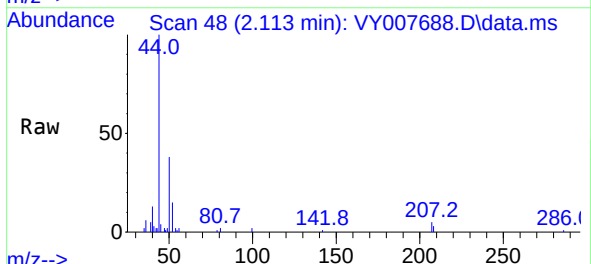
Instrument :
MSVOA_Y
ClientSampleId :
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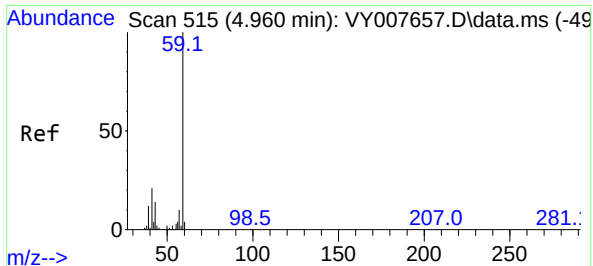
Tgt Ion:168 Resp: 266645
Ion Ratio Lower Upper
168 100
99 51.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

Tgt Ion: 50 Resp: 2366
Ion Ratio Lower Upper
50 100
52 38.7 24.6 37.0#





#11

Tert butyl alcohol

Concen: 4.080 ug/l

RT: 4.966 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY007688.D

Acq: 02 Mar 2022 14:43

Instrument :

MSVOA_Y

ClientSampleId :

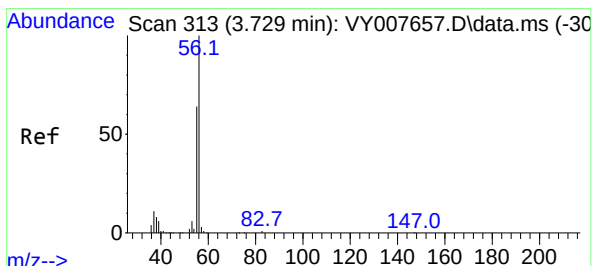
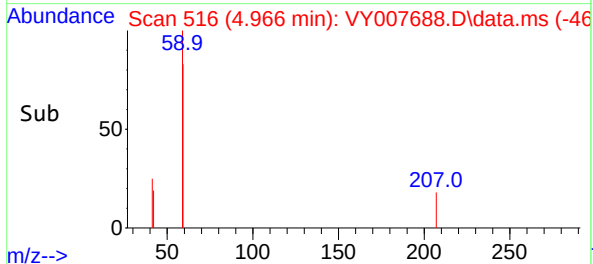
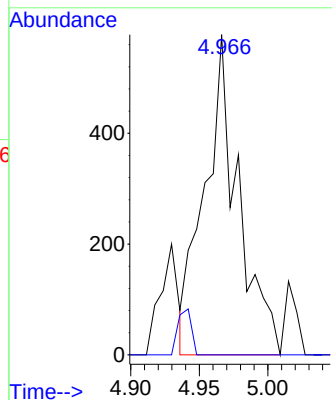
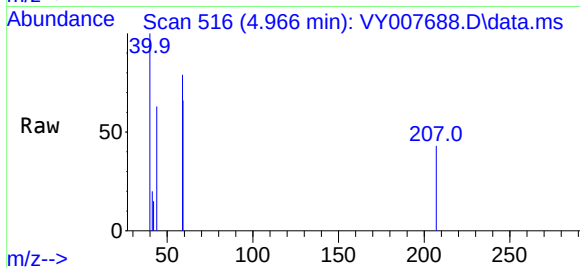
VACLOT-TOPSOIL-GRILLO-01

Tgt Ion: 59 Resp: 986

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: Below Cal

RT: 3.735 min Scan# 314

Delta R.T. 0.006 min

Lab File: VY007688.D

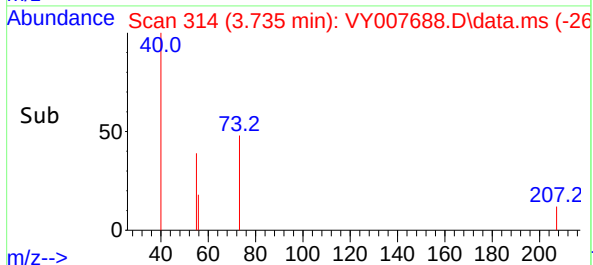
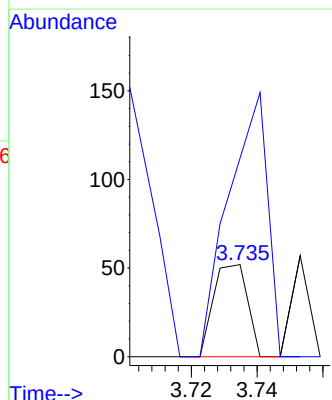
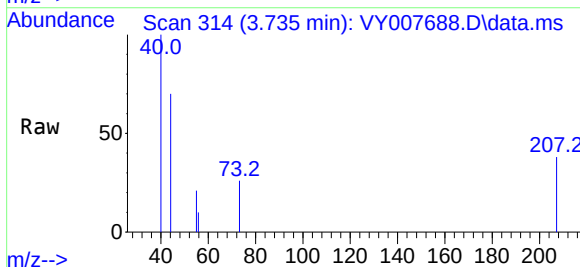
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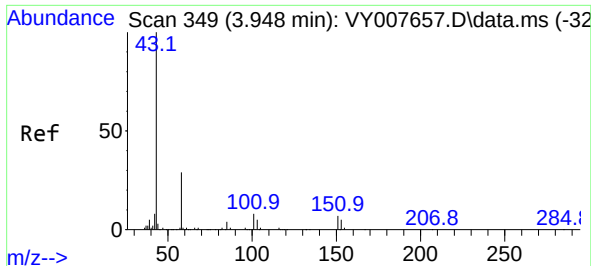
Tgt Ion: 56 Resp: 37

Ion Ratio Lower Upper

56 100

55 332.4 57.6 86.4#

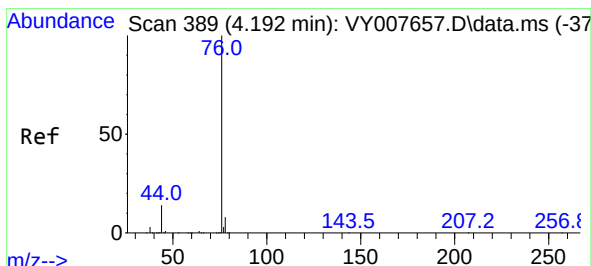
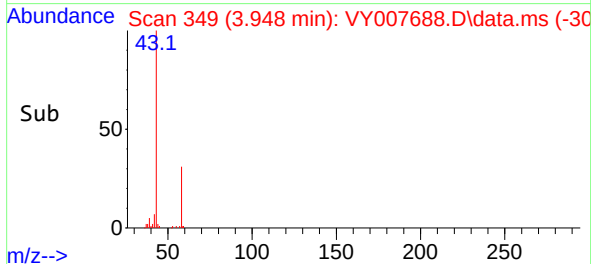
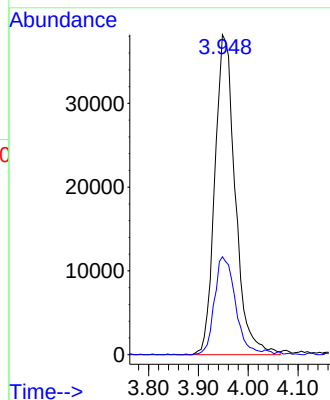
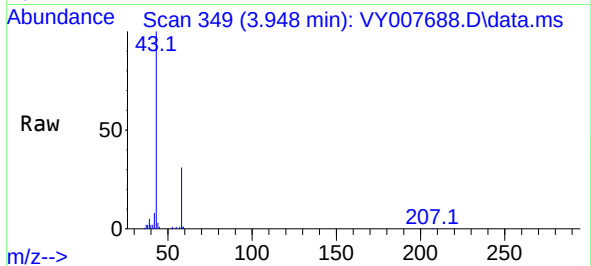




#16
Acetone
Concen: 191.196 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

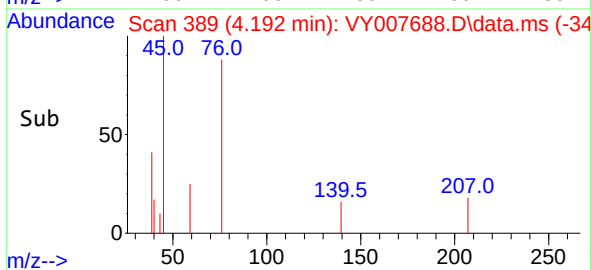
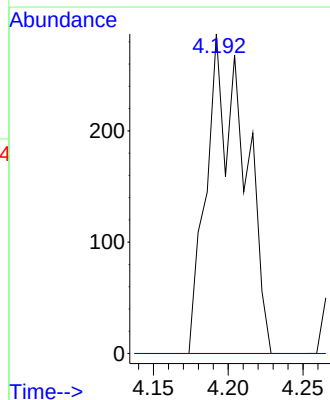
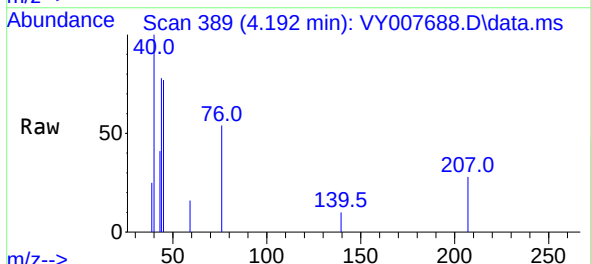
Instrument :
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VACLOT-TOPSOIL-GRILLO-01

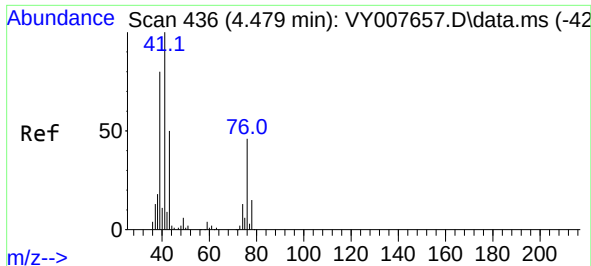
Tgt Ion: 43 Resp: 108575
Ion Ratio Lower Upper
43 100
58 30.6 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

Tgt Ion: 76 Resp: 500
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

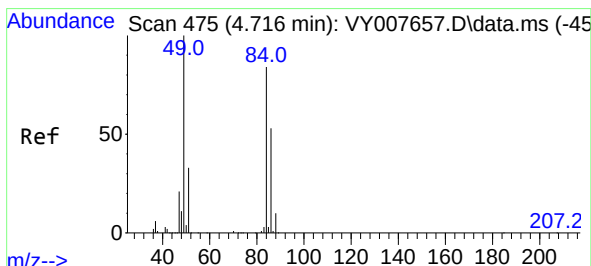
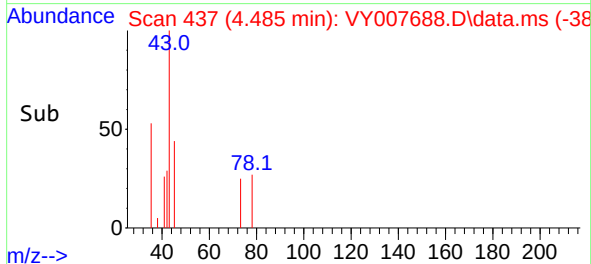
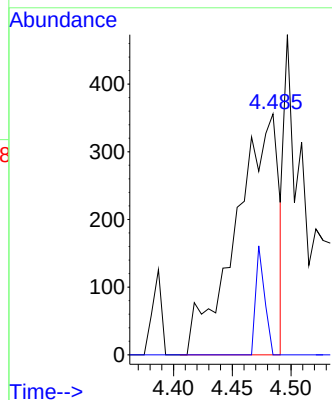
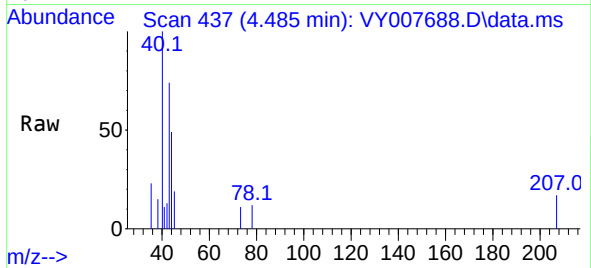




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

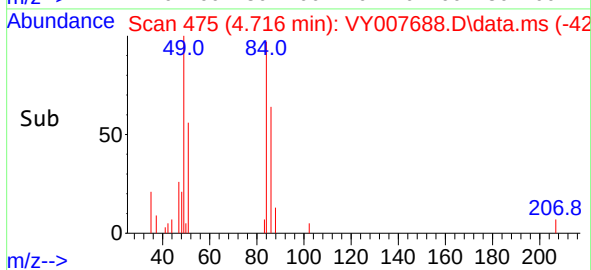
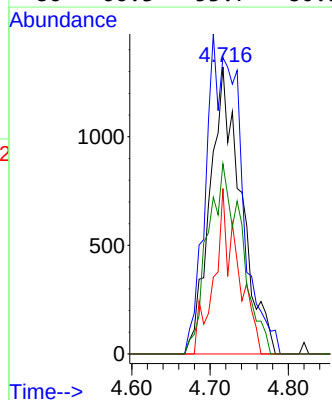
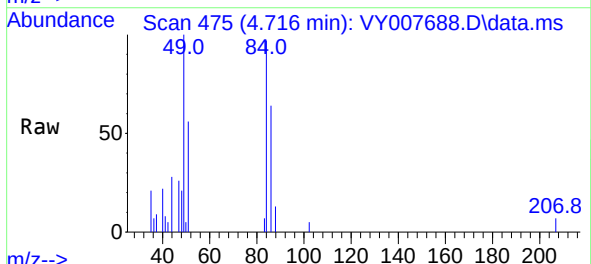
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01

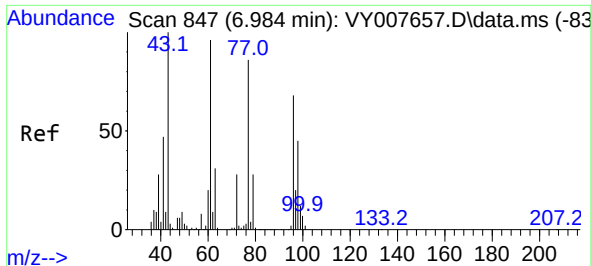
Tgt Ion: 43 Resp: 903
Ion Ratio Lower Upper
43 100
74 9.4 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

Tgt Ion: 84 Resp: 3663
Ion Ratio Lower Upper
84 100
49 103.3 114.4 171.6#
51 57.7 35.3 52.9#
86 66.3 53.7 80.5

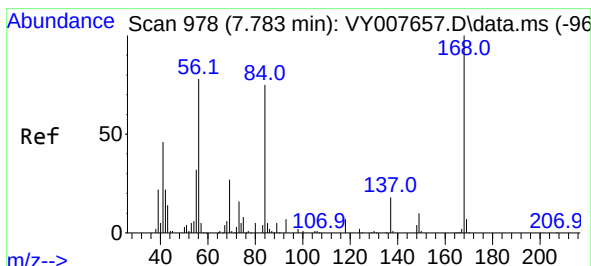
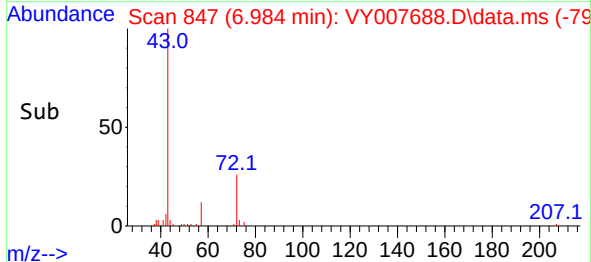
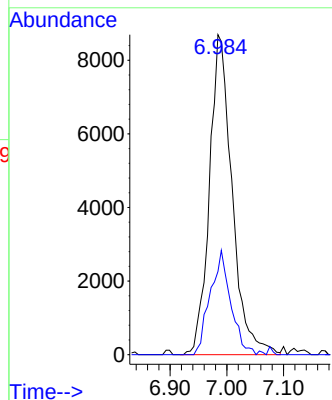
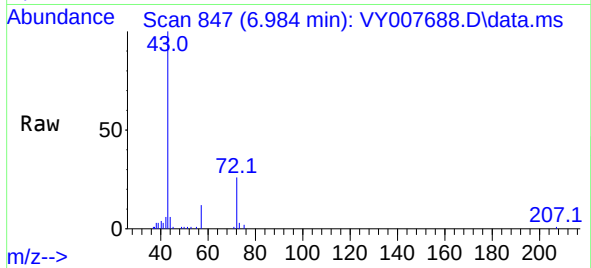




#25
2-Butanone
Concen: 25.377 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

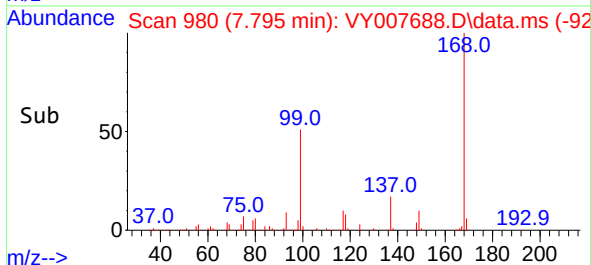
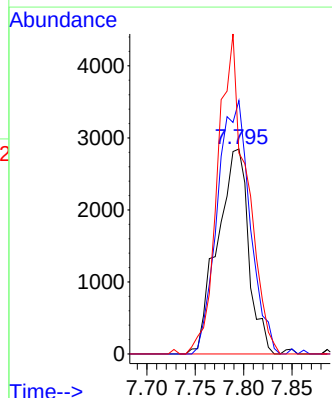
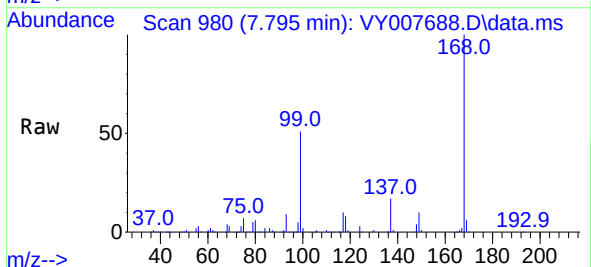
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VACLOT-TOPSOIL-GRILLO-01

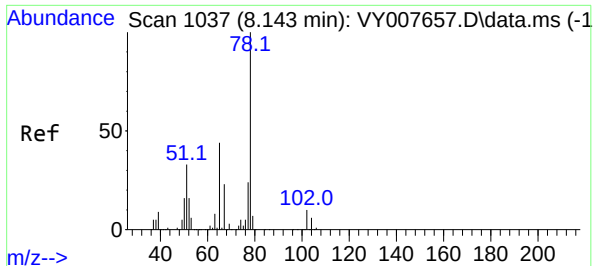
Tgt Ion: 43 Resp: 24175
Ion Ratio Lower Upper
43 100
72 26.0 17.7 26.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

Tgt Ion: 56 Resp: 6363
Ion Ratio Lower Upper
56 100
69 123.6 26.7 40.1#
84 98.0 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 55.007 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY007688.D

Acq: 02 Mar 2022 14:43

Instrument :

MSVOA_Y

ClientSampleId :

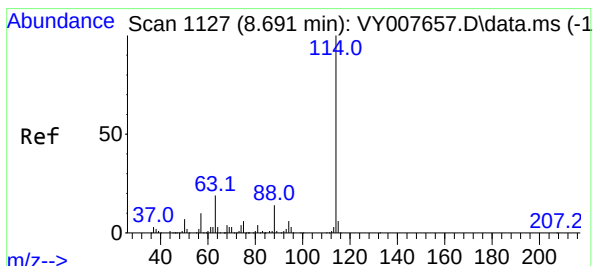
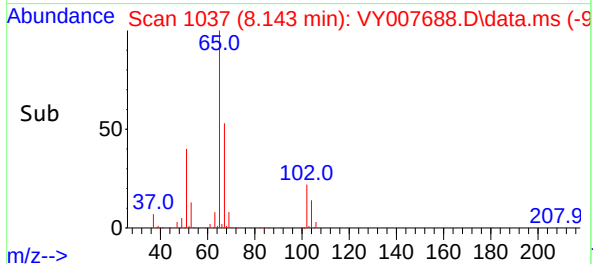
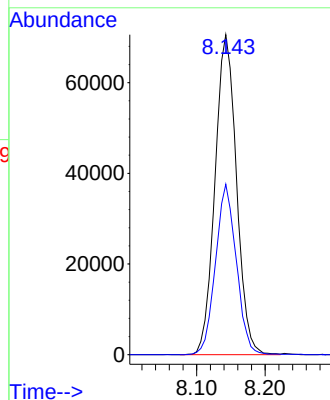
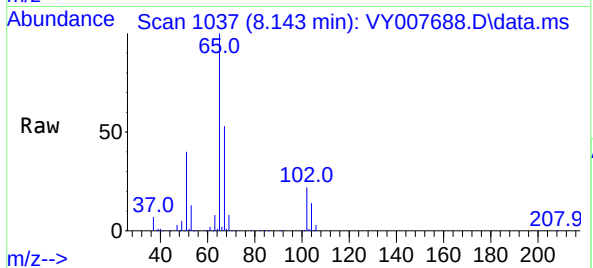
VACLOT-TOPSOIL-GRILLO-01

Tgt Ion: 65 Resp: 153553

Ion Ratio Lower Upper

65 100

67 51.6 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: VY007688.D

Acq: 02 Mar 2022 14:43

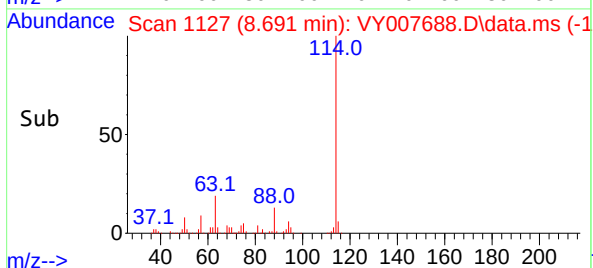
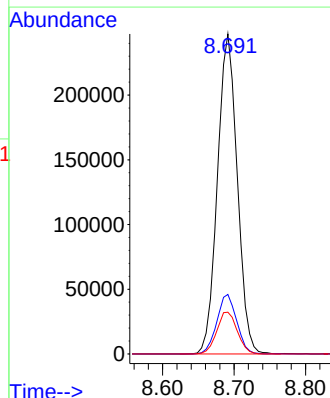
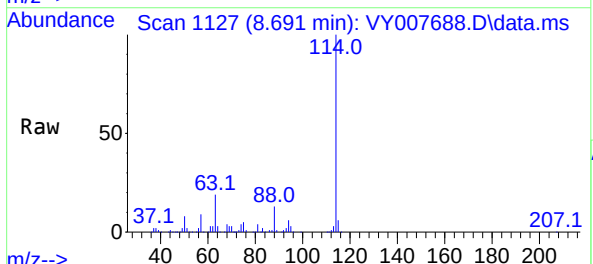
Tgt Ion: 114 Resp: 476007

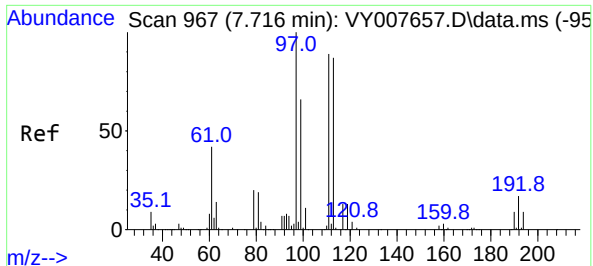
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 13.1 0.0 31.8

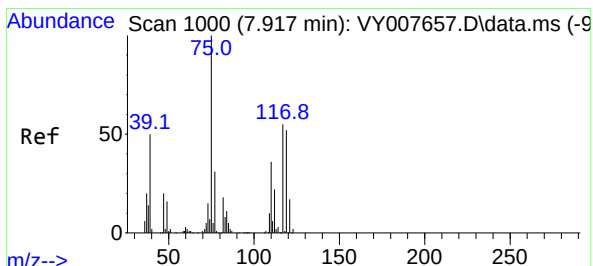
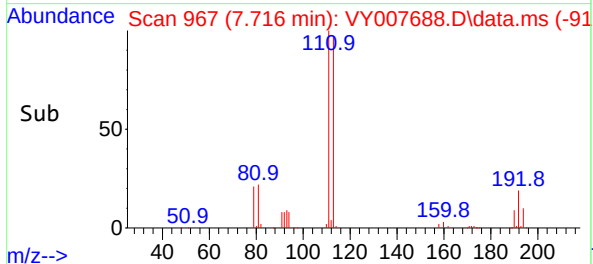
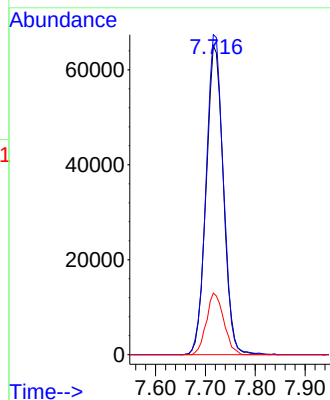
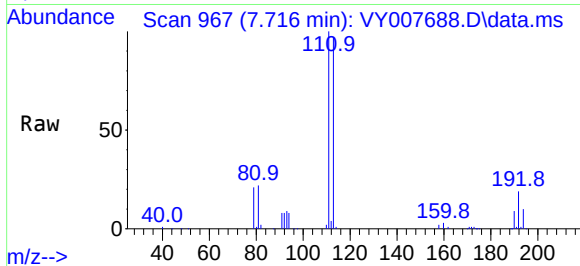




#35
Dibromofluoromethane
Concen: 51.306 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

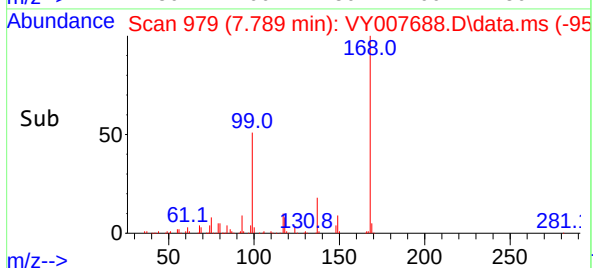
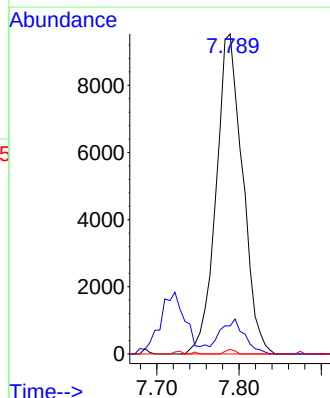
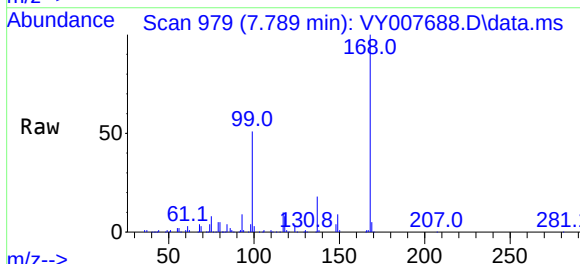
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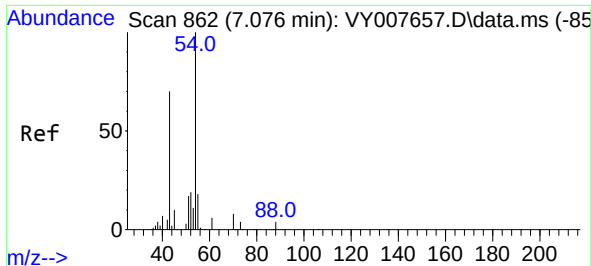
Tgt Ion:113 Resp: 156137
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 20.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.447 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

Tgt Ion: 75 Resp: 21290
Ion Ratio Lower Upper
75 100
110 10.7 17.1 51.2#
77 0.5 24.4 36.6#





#37

Ethyl Acetate

Concen: 9.143 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY007688.D

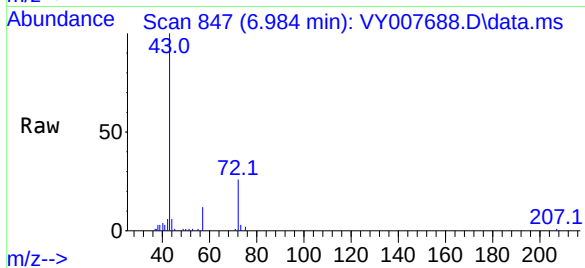
Acq: 02 Mar 2022 14:43

Instrument :

MSVOA_Y

ClientSampleId :

VACLOT-TOPSOIL-GRILLO-01



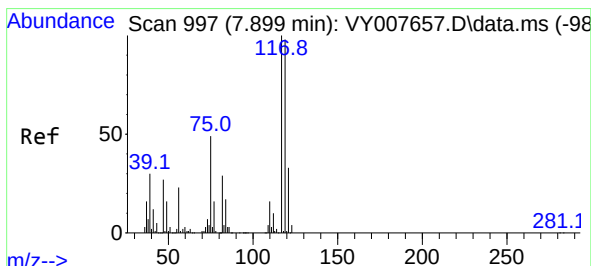
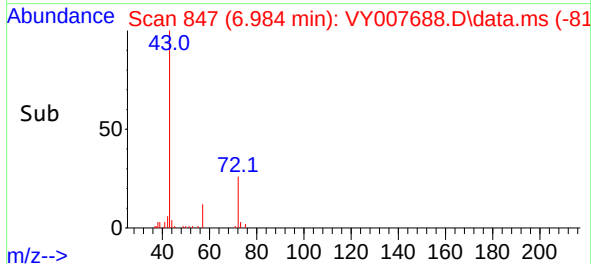
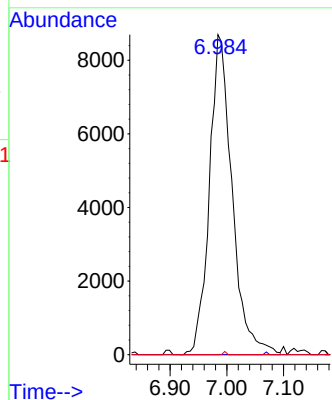
Tgt Ion: 43 Resp: 24175

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.1 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.067 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007688.D

Acq: 02 Mar 2022 14:43

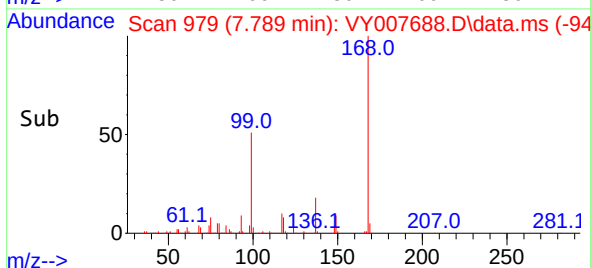
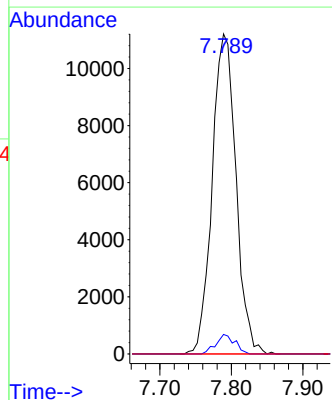
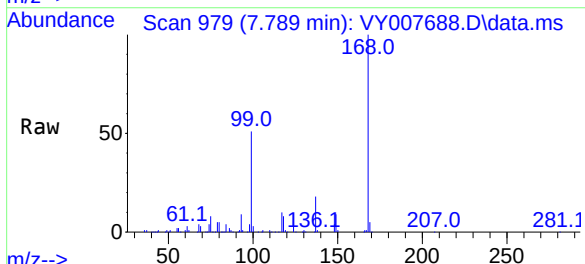
Tgt Ion: 117 Resp: 25874

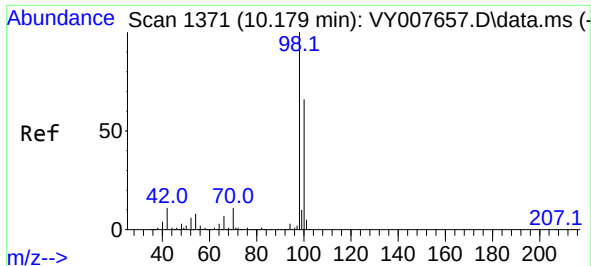
Ion Ratio Lower Upper

117 100

119 6.1 77.9 116.9#

121 0.0 24.8 37.2#

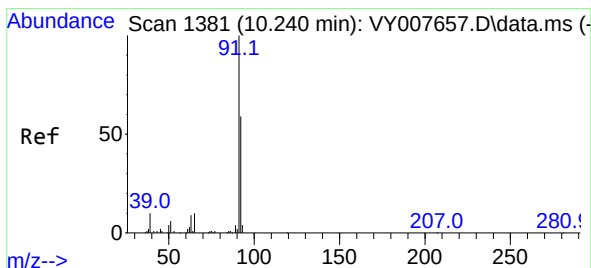
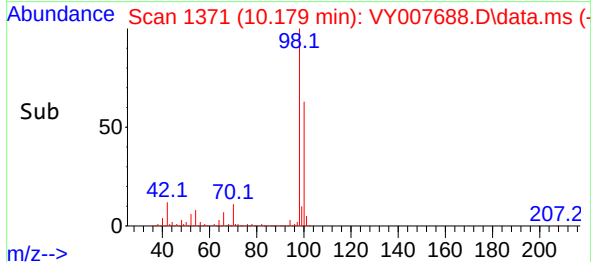
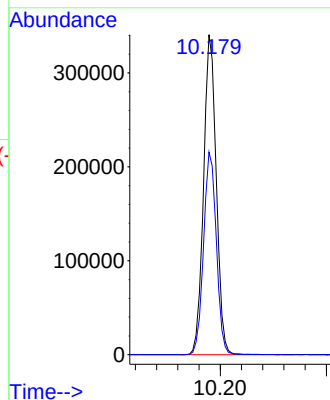
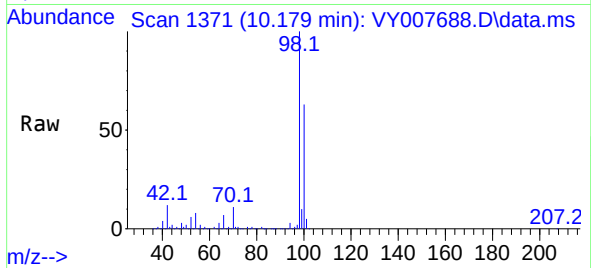




#50
Toluene-d8
Concen: 50.540 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

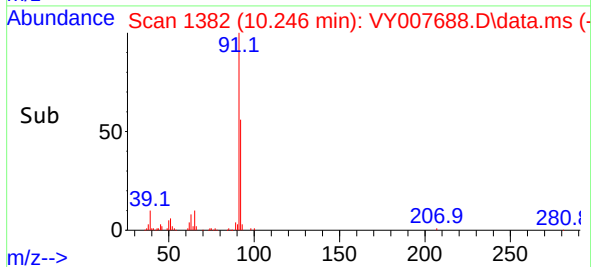
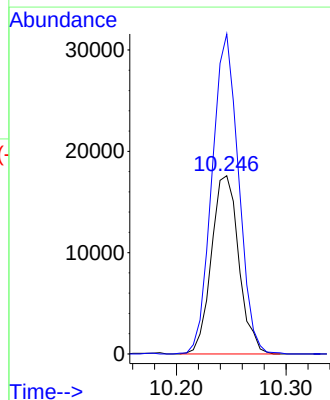
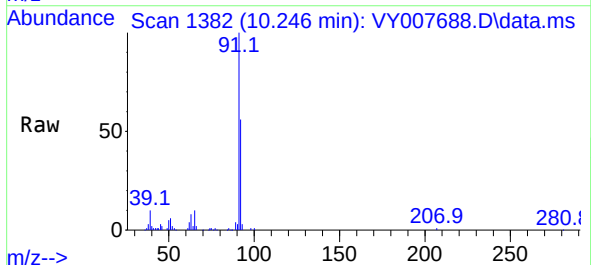
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01

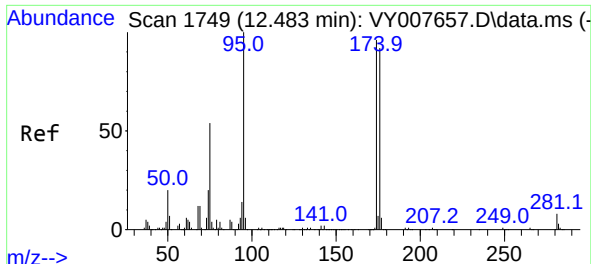
Tgt Ion: 98 Resp: 566172
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2



#52
Toluene
Concen: 3.541 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

Tgt Ion: 92 Resp: 30504
Ion Ratio Lower Upper
92 100
91 174.6 142.6 213.8

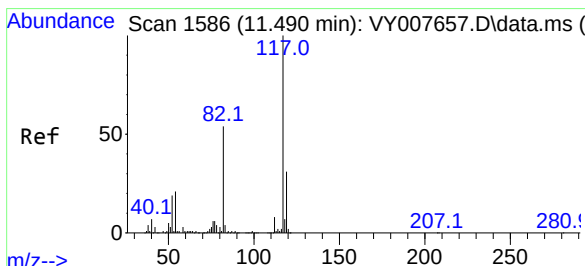
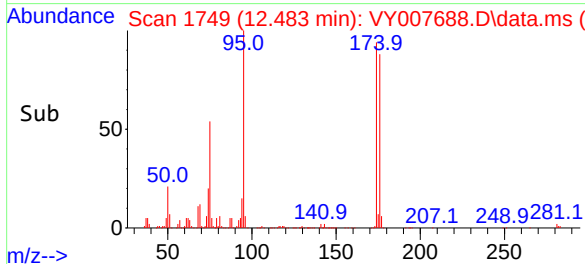
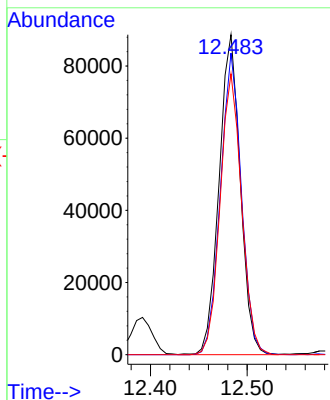
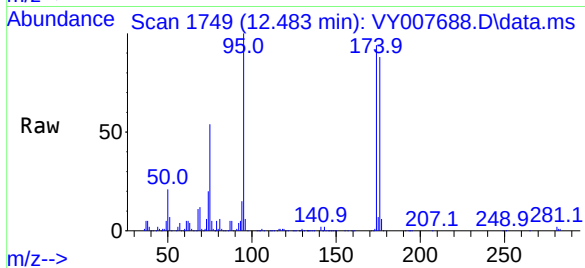




#62
4-Bromofluorobenzene
Concen: 37.268 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

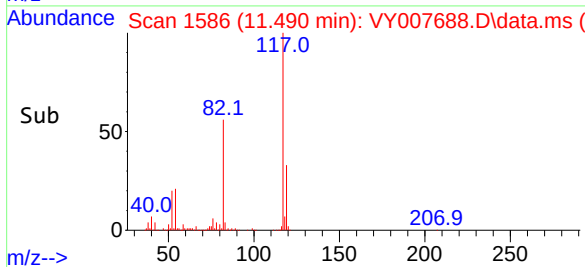
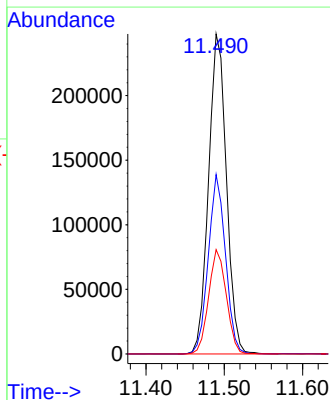
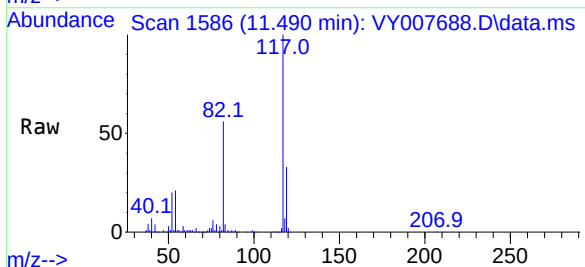
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01

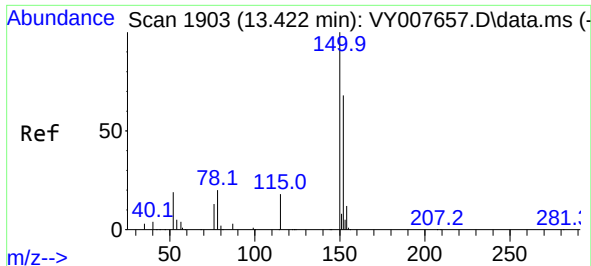
Tgt Ion: 95 Resp: 134577
Ion Ratio Lower Upper
95 100
174 93.2 0.0 177.0
176 88.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

Tgt Ion: 117 Resp: 392264
Ion Ratio Lower Upper
117 100
82 56.0 43.0 64.4
119 32.6 25.4 38.0



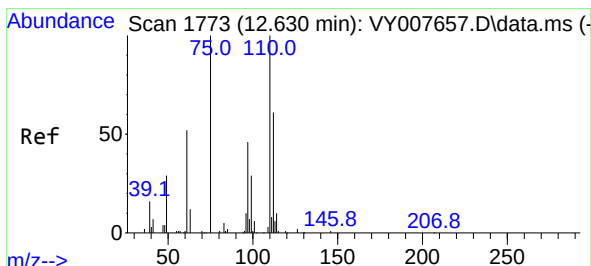
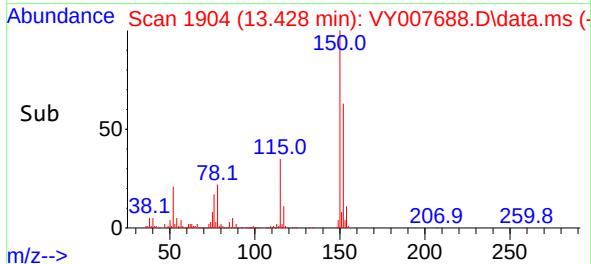
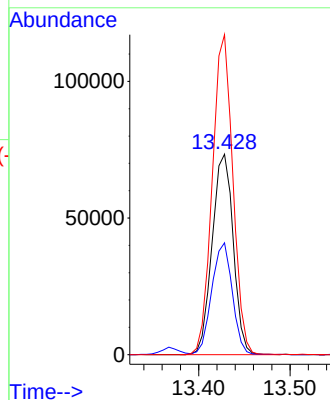
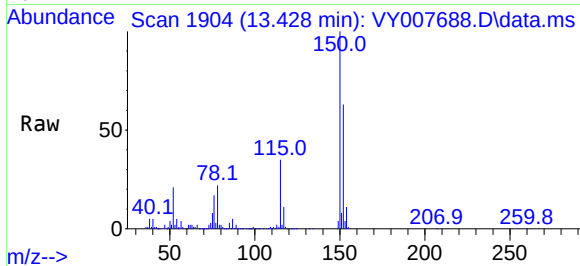


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY007688.D
 Acq: 02 Mar 2022 14:43

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

Tgt Ion:152 Resp: 117628

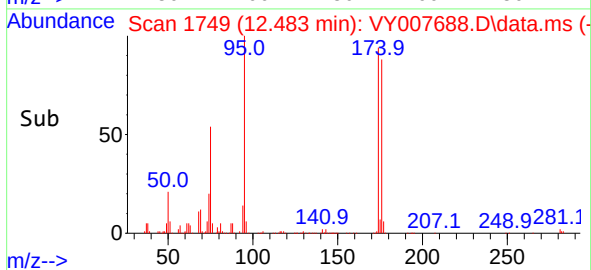
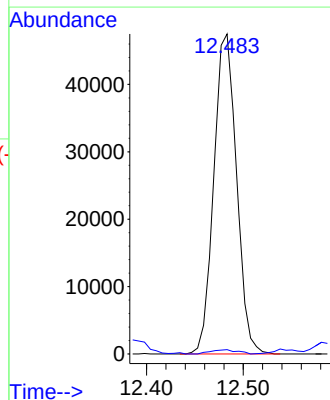
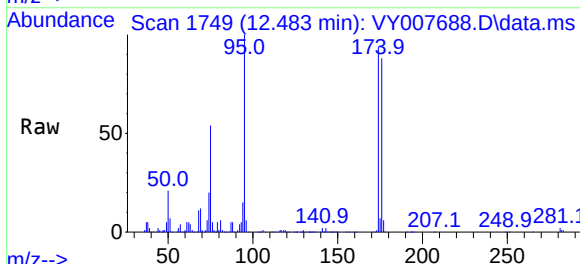
Ion	Ratio	Lower	Upper
152	100		
115	54.5	28.2	84.7
150	155.7	0.0	347.6

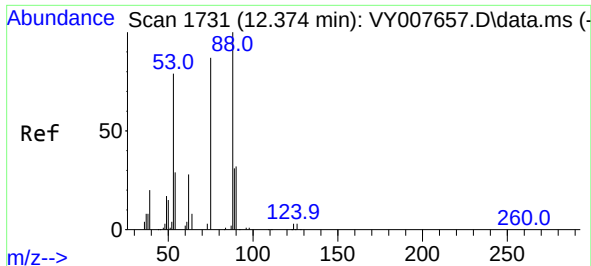


#76
 1,2,3-Trichloropropane
 Concen: 58.951 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY007688.D
 Acq: 02 Mar 2022 14:43

Tgt Ion: 75 Resp: 77439

Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#

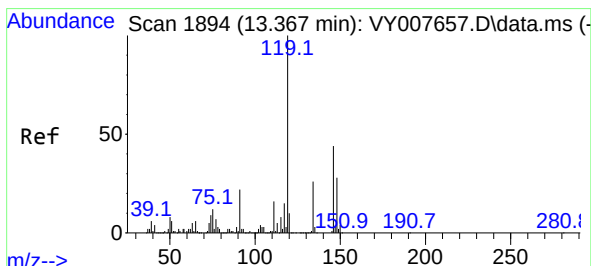
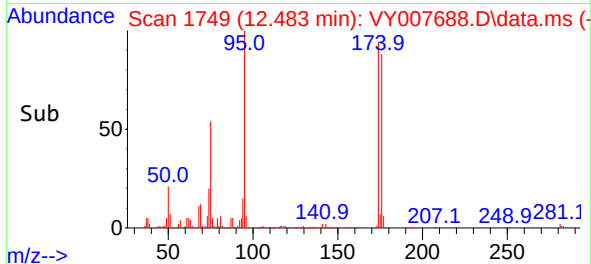
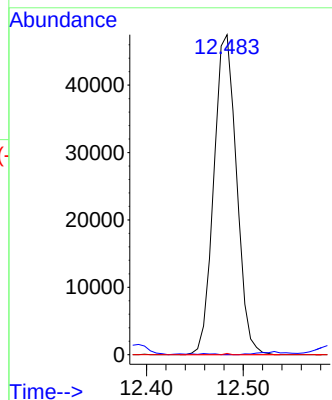
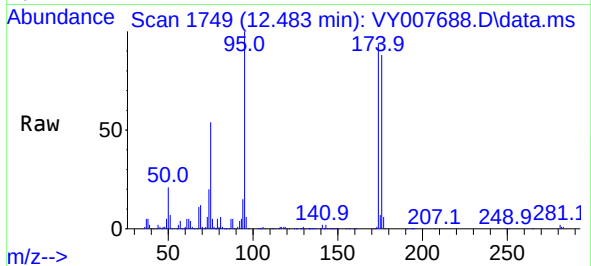




#81
trans-1,4-Dichloro-2-butene
Concen: 120.517 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

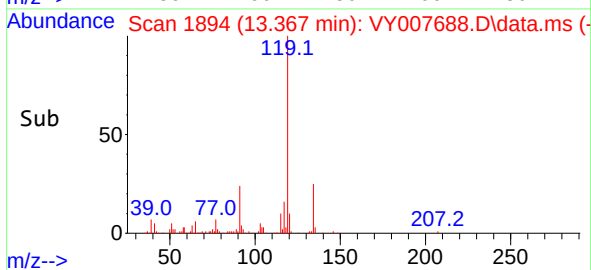
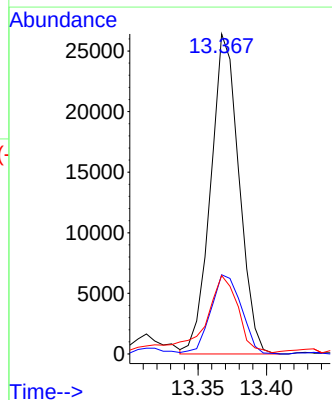
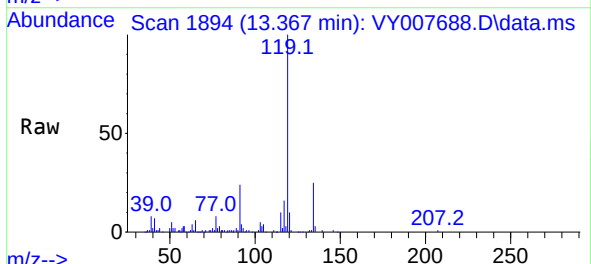
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01

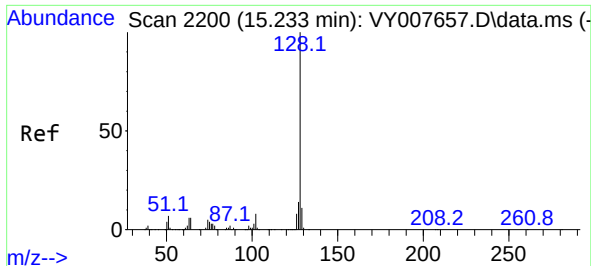
Tgt Ion: 75 Resp: 77439
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#86
p-Isopropyltoluene
Concen: 4.612 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

Tgt Ion: 119 Resp: 37979
Ion Ratio Lower Upper
119 100
134 26.7 13.2 39.5
91 30.2 12.4 37.2





#95
Naphthalene
Concen: 4.177 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY007688.D
Acq: 02 Mar 2022 14:43

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

Tgt Ion:	128	Resp:	20062
Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.4
129	12.3	8.4	12.6

