

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030322\
 Data File : VY007696.D
 Acq On : 03 Mar 2022 12:01
 Operator : SY/MD
 Sample : N1731-01
 Misc : 4.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 04 00:40:18 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)

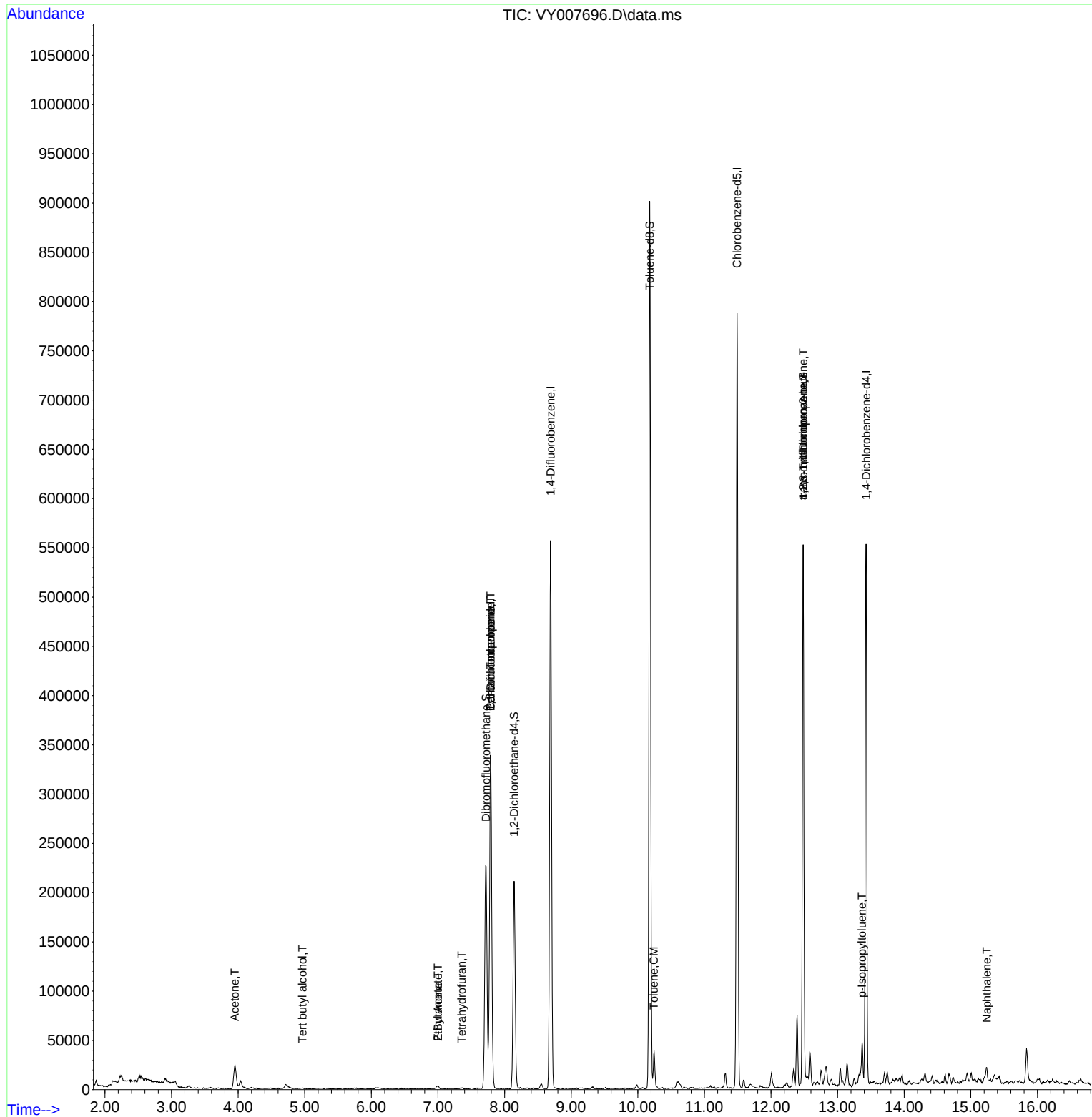
Internal Standards						
1) Pentafluorobenzene	7.789	168	270906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	483189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	430298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	162371	57.251	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.500%
35) Dibromofluoromethane	7.722	113	161218	52.188	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.380%
50) Toluene-d8	10.179	98	590553	51.933	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.860%
62) 4-Bromofluorobenzene	12.483	95	150208	40.979	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.960%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	247	Below Cal	#	43
3) Chloromethane	2.113	50	2246	Below Cal		96
11) Tert butyl alcohol	4.966	59	518	2.110 ug/l	#	77
13) Acrolein	3.729	56	173	Below Cal	#	14
16) Acetone	3.948	43	41132	71.292 ug/l		94
17) Carbon Disulfide	4.198	76	619	Below Cal	#	42
18) Methyl Acetate	4.491	43	1074	Below Cal	#	81
20) Methylene Chloride	4.716	84	3111	Below Cal	#	53
25) 2-Butanone	6.996	43	3933	4.064 ug/l	#	90
29) Tetrahydrofuran	7.356	42	683	1.031 ug/l	#	74
31) Cyclohexane	7.789	56	5965	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	20084	4.133 ug/l	#	51
37) Ethyl Acetate	6.996	43	3933	1.465 ug/l	#	73
38) Carbon Tetrachloride	7.789	117	26262	5.066 ug/l	#	16
52) Toluene	10.240	92	13650	1.561 ug/l		98
76) 1,2,3-Trichloropropane	12.483	75	85094	54.926 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	85094	112.289 ug/l	#	7
86) p-Isopropyltoluene	13.367	119	21430	2.207 ug/l		91
95) Naphthalene	15.239	128	12228	2.158 ug/l		96

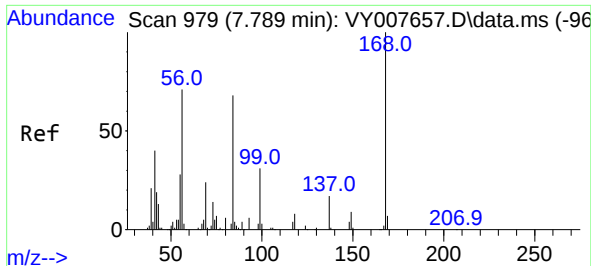
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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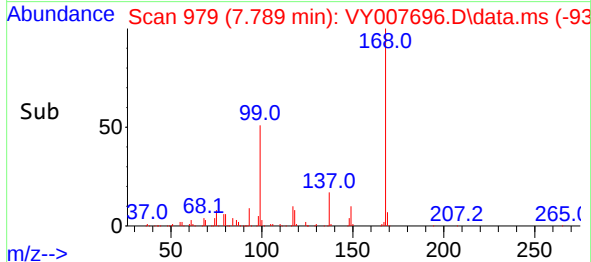
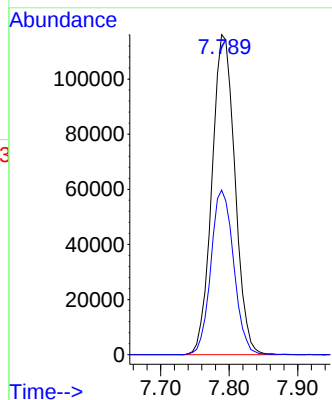
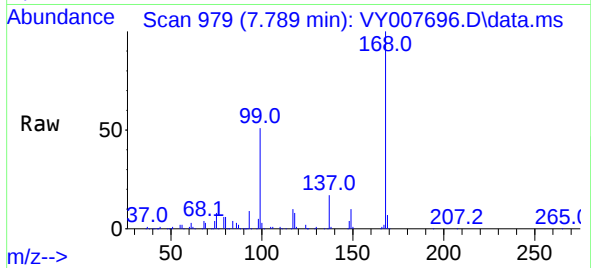




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

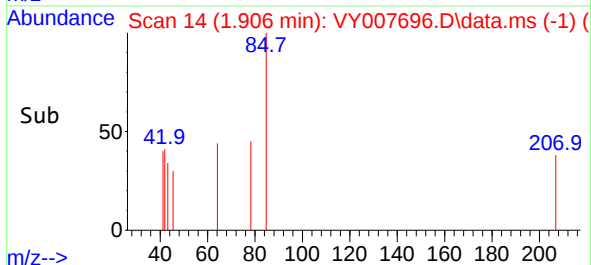
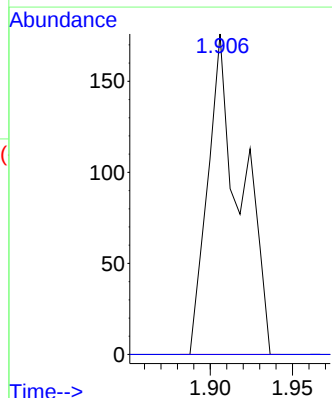
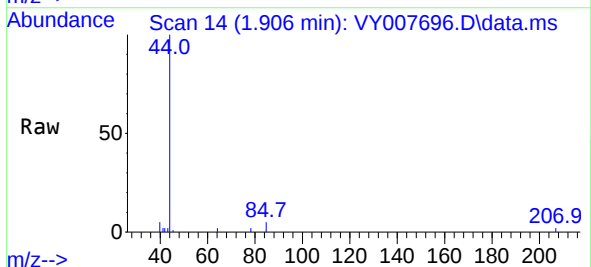
Instrument :
MSVOA_Y
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VACLOT-TOPSOIL-GRILLO-01

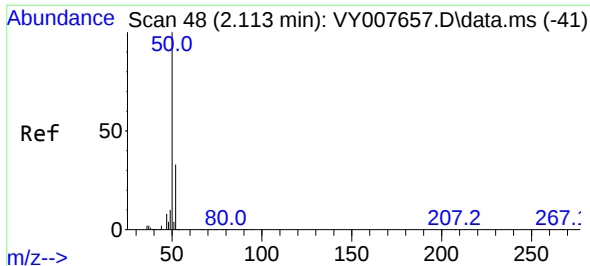
Tgt Ion:168 Resp: 270906
Ion Ratio Lower Upper
168 100
99 51.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

Tgt Ion: 85 Resp: 247
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

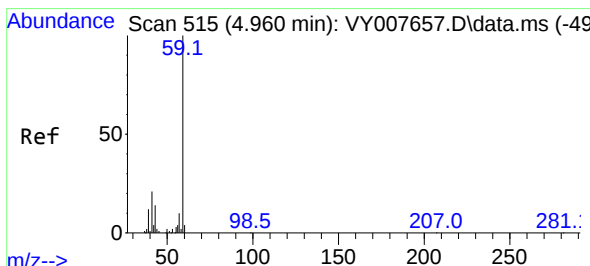
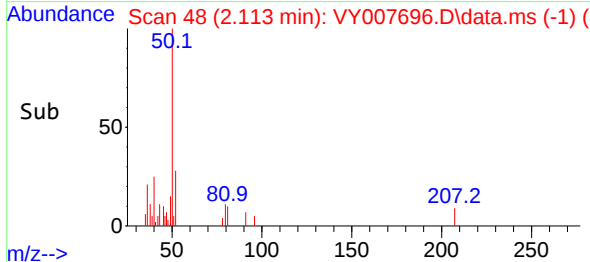
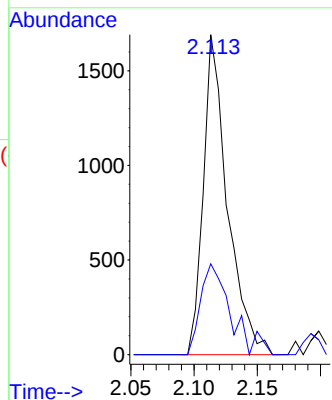
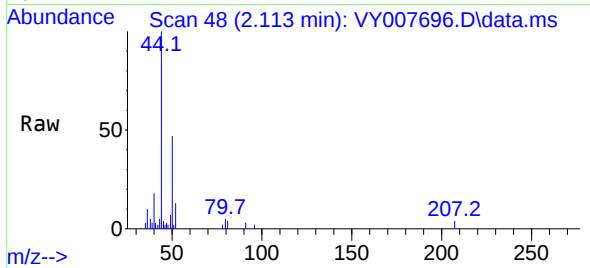




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

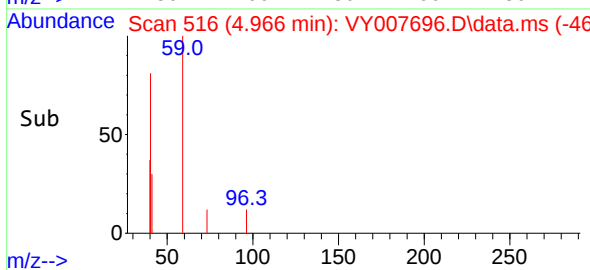
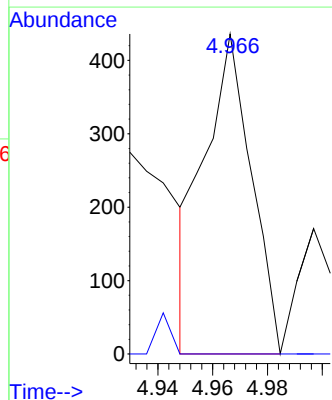
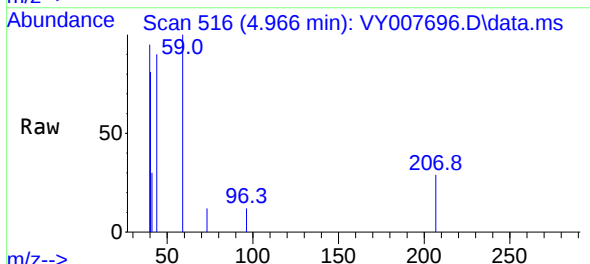
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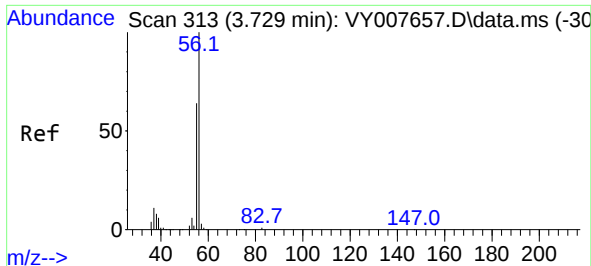
Tgt Ion: 50 Resp: 2246
Ion Ratio Lower Upper
50 100
52 28.4 24.6 37.0



#11
Tert butyl alcohol
Concen: 2.110 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

Tgt Ion: 59 Resp: 518
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

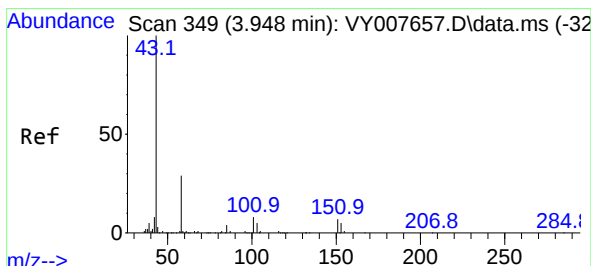
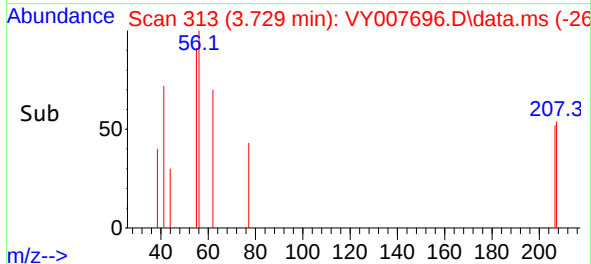
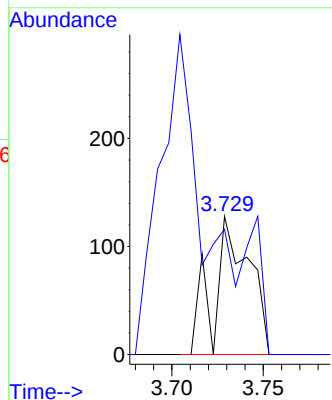
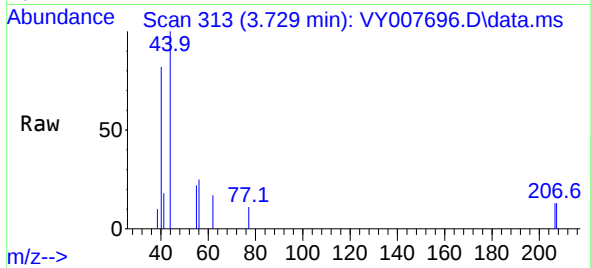




#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

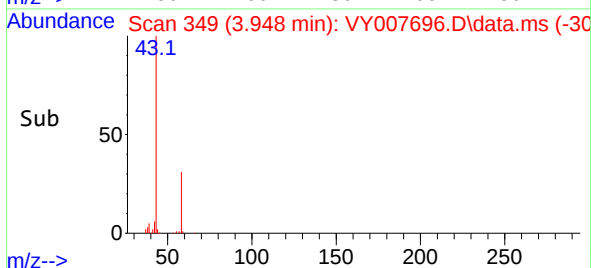
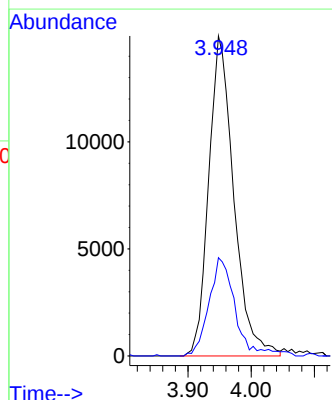
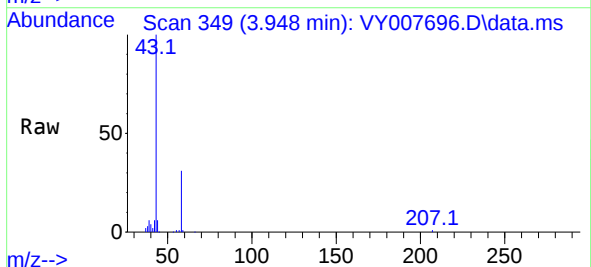
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01

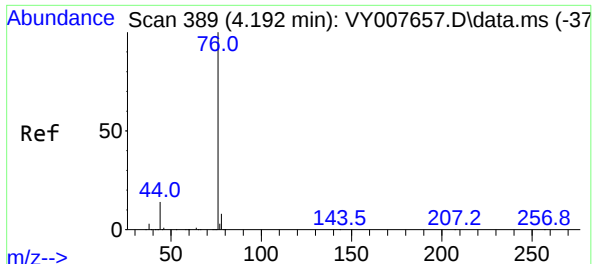
Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 71.292 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

Tgt Ion: 43 Resp: 41132
Ion Ratio Lower Upper
43 100
58 30.7 22.0 33.0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.198 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY007696.D

Acq: 03 Mar 2022 12:01

Instrument :

MSVOA_Y

ClientSampleId :

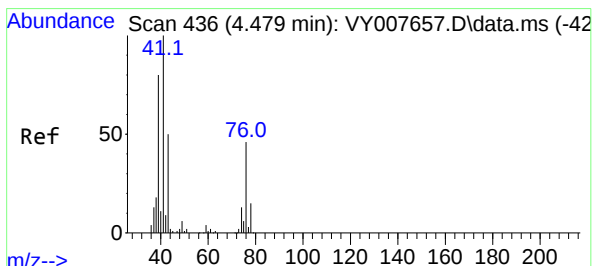
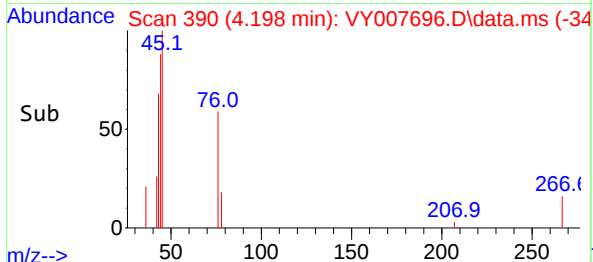
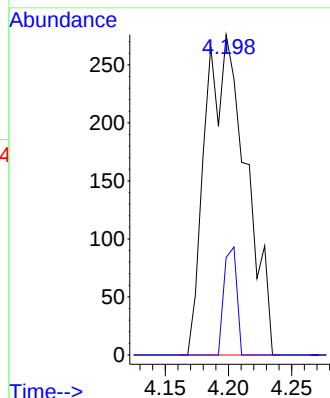
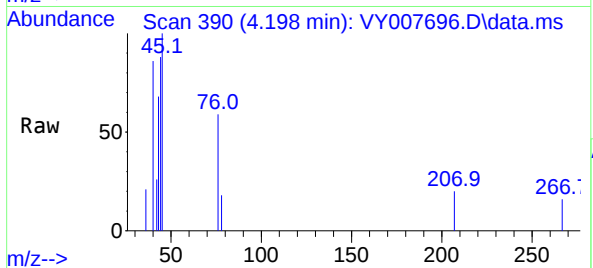
VACLOT-TOPSOIL-GRILLO-01

Tgt Ion: 76 Resp: 619

Ion Ratio Lower Upper

76 100

78 30.4 7.4 11.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.491 min Scan# 438

Delta R.T. 0.012 min

Lab File: VY007696.D

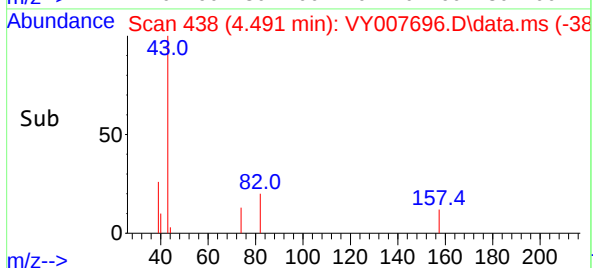
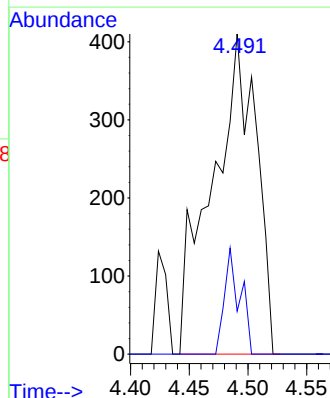
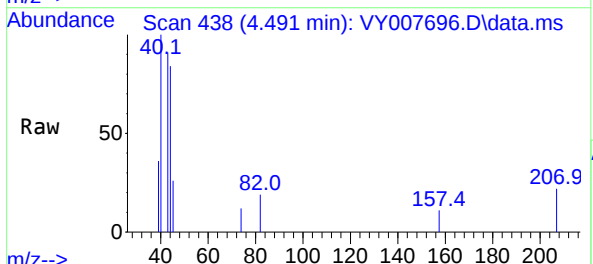
Acq: 03 Mar 2022 12:01

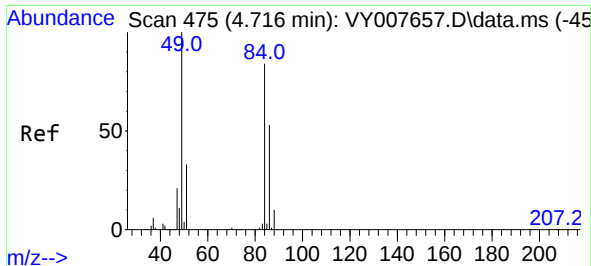
Tgt Ion: 43 Resp: 1074

Ion Ratio Lower Upper

43 100

74 11.6 16.6 24.8#

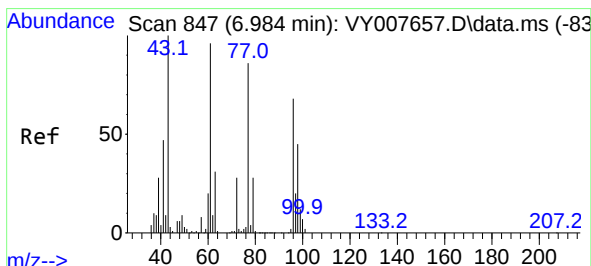
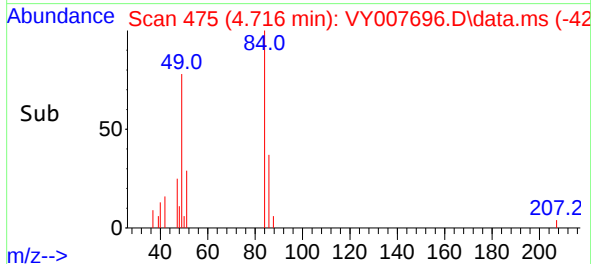
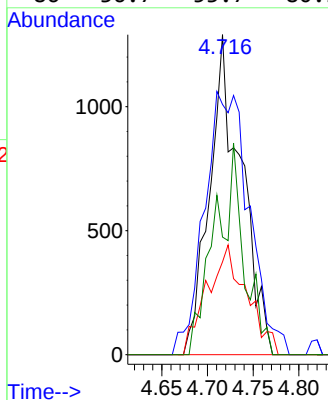
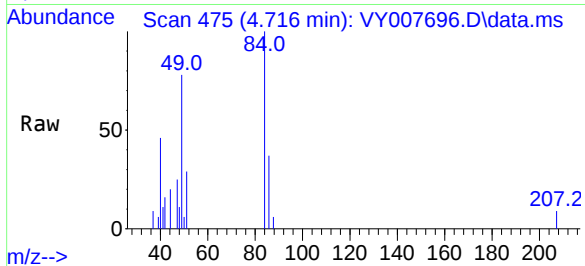




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

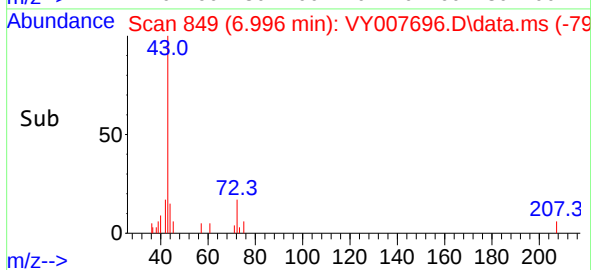
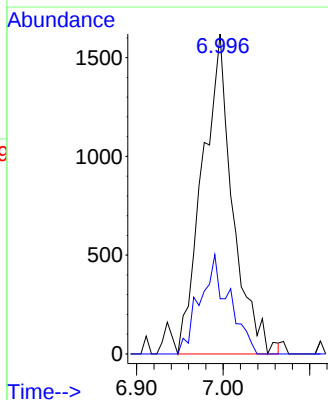
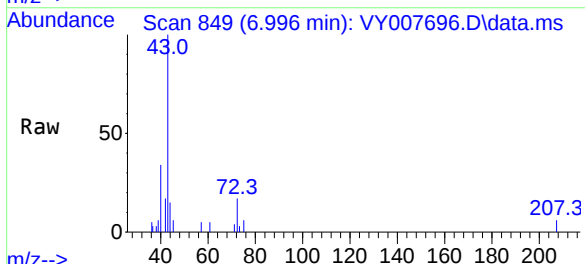
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VACLOT-TOPSOIL-GRILLO-01

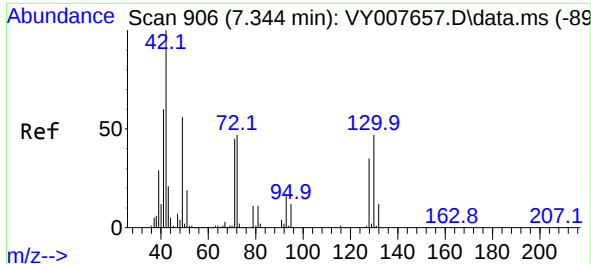
Tgt Ion:	84	Resp:	3111
Ion	Ratio	Lower	Upper
84	100		
49	71.2	114.4	171.6#
51	29.0	35.3	52.9#
86	36.7	53.7	80.5#



#25
2-Butanone
Concen: 4.064 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

Tgt Ion:	43	Resp:	3933
Ion	Ratio	Lower	Upper
43	100		
72	17.2	17.7	26.5#

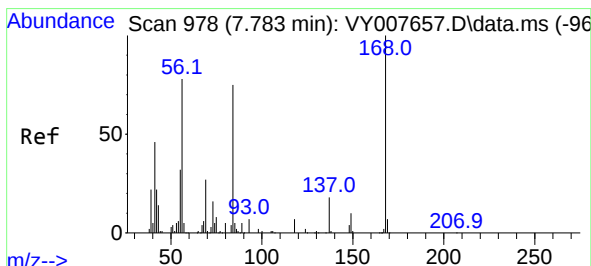
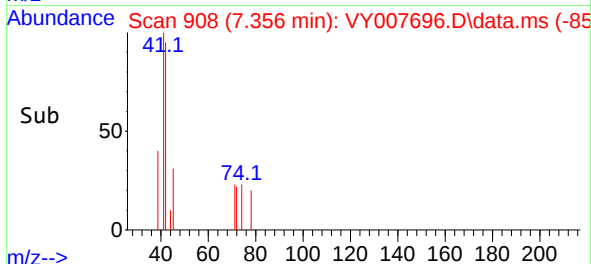
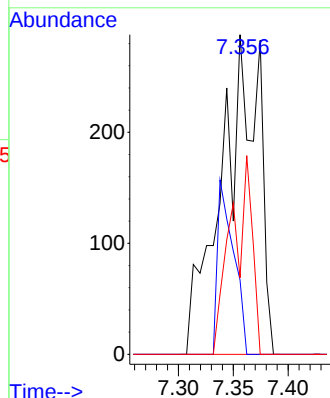
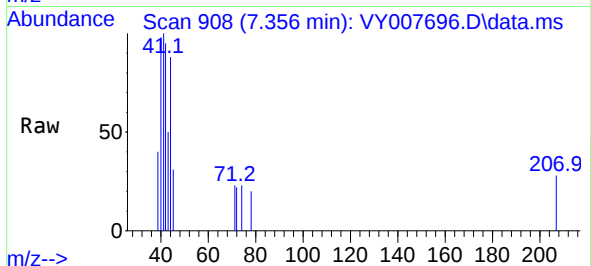




#29
Tetrahydrofuran
Concen: 1.031 ug/l
RT: 7.356 min Scan# 906
Delta R.T. 0.012 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

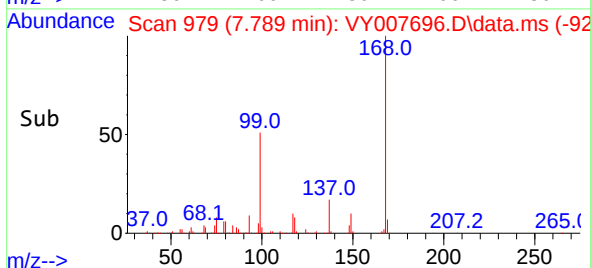
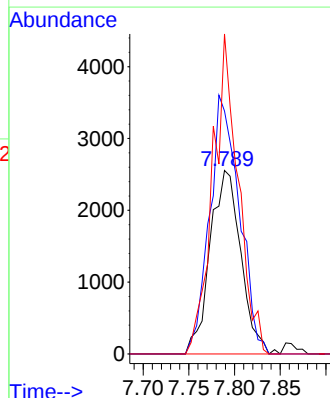
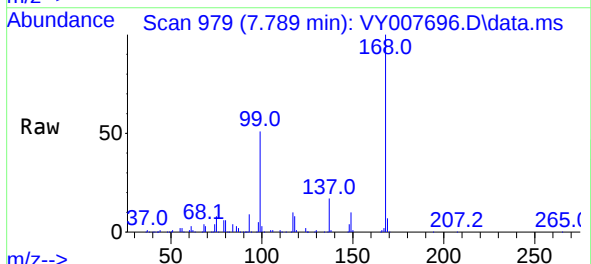
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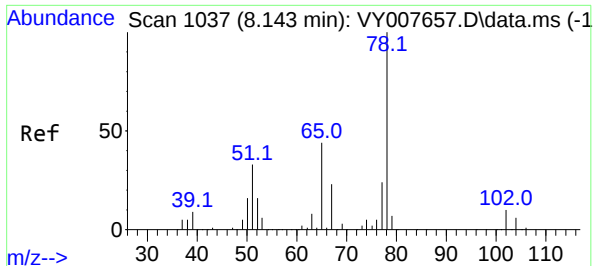
Tgt Ion:	42	Resp:	683
Ion	Ratio	Lower	Upper
42	100		
72	23.6	30.3	45.5#
71	19.3	29.0	43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

Tgt Ion:	56	Resp:	5965
Ion	Ratio	Lower	Upper
56	100		
69	132.4	26.7	40.1#
84	174.4	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.251 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY007696.D

Acq: 03 Mar 2022 12:01

Instrument :

MSVOA_Y

ClientSampleId :

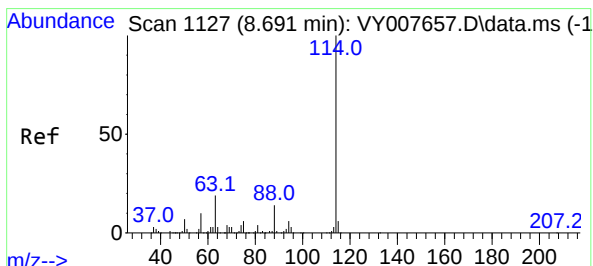
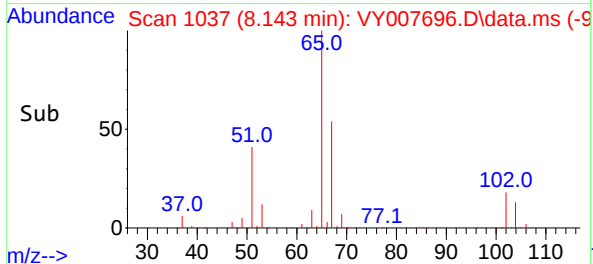
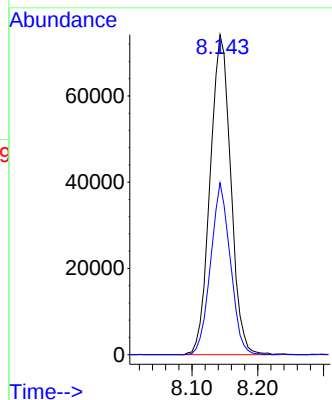
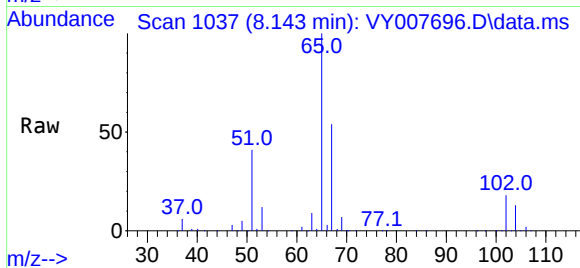
VACLOT-TOPSOIL-GRILLO-01

Tgt Ion: 65 Resp: 162371

Ion Ratio Lower Upper

65 100

67 51.1 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: VY007696.D

Acq: 03 Mar 2022 12:01

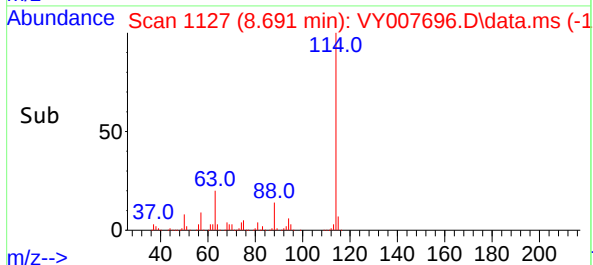
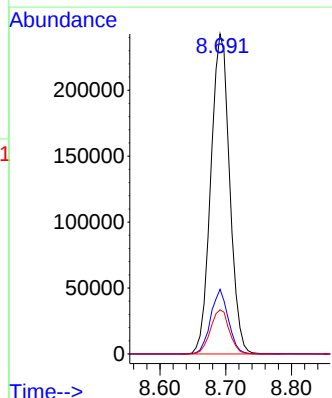
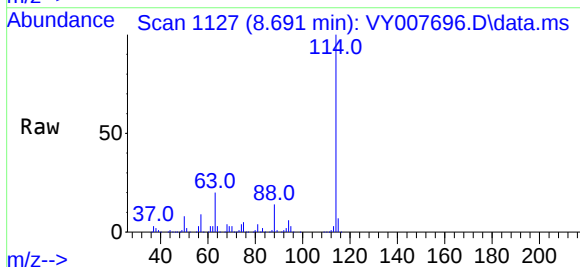
Tgt Ion: 114 Resp: 483189

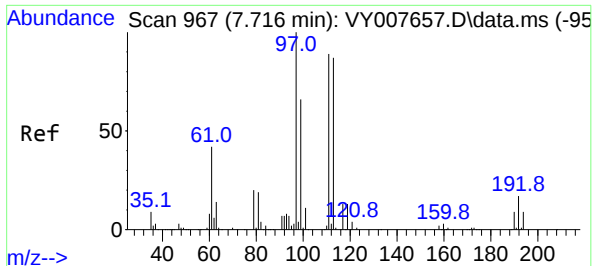
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 13.8 0.0 31.8

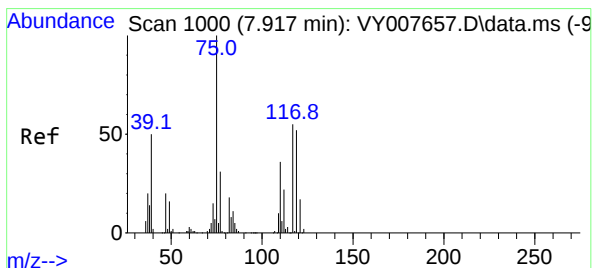
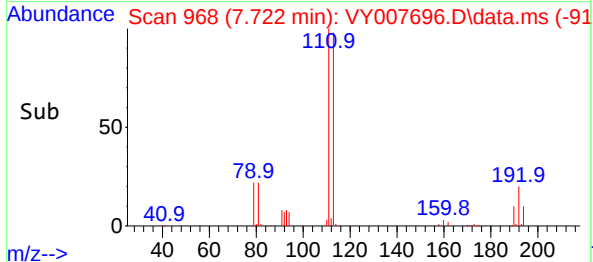
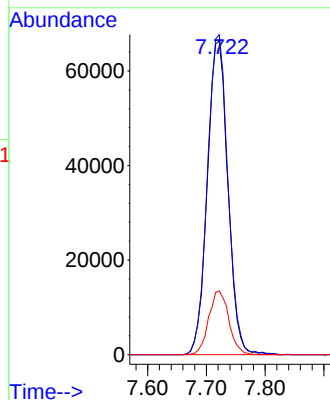
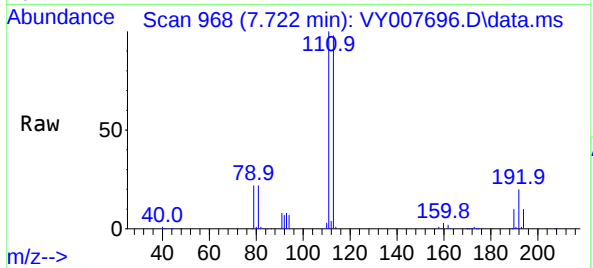




#35
Dibromofluoromethane
Concen: 52.188 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

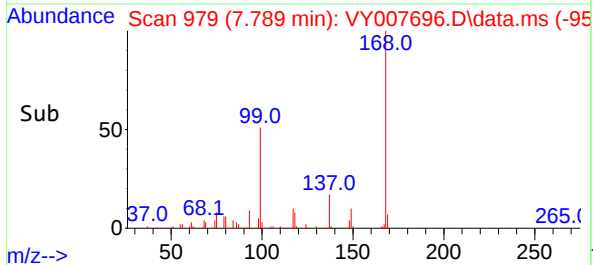
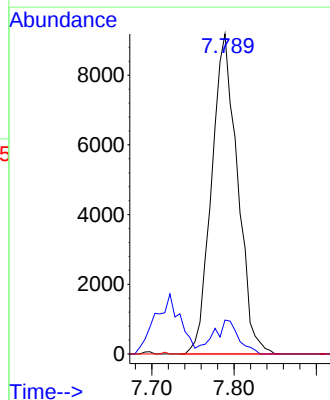
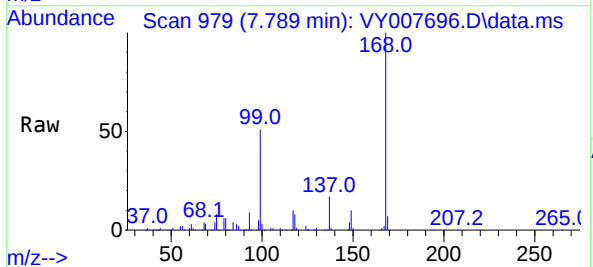
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01

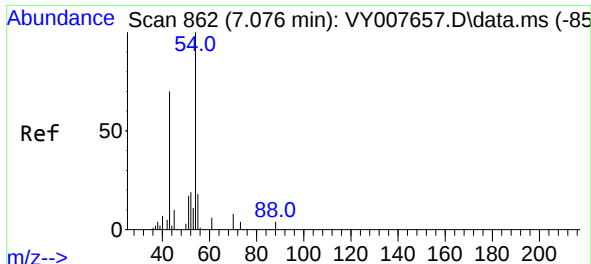
Tgt Ion:113 Resp: 161218
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 19.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.133 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

Tgt Ion: 75 Resp: 20084
Ion Ratio Lower Upper
75 100
110 9.9 17.1 51.2#
77 0.0 24.4 36.6#

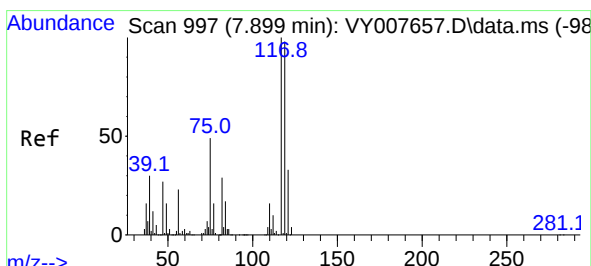
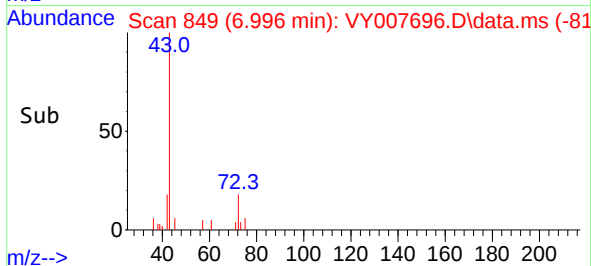
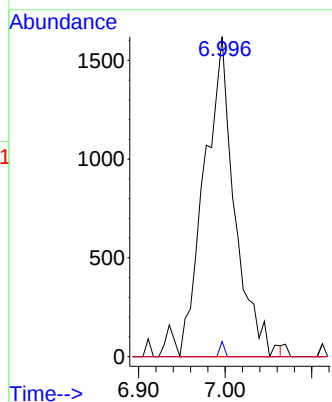
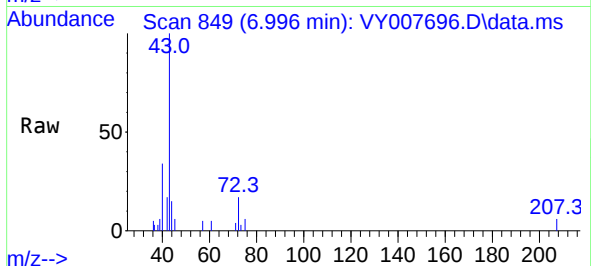




#37
Ethyl Acetate
Concen: 1.465 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.080 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

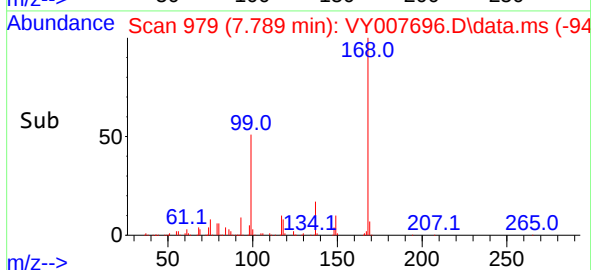
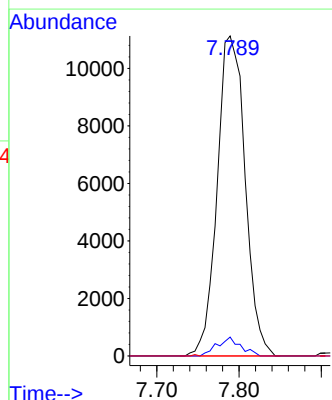
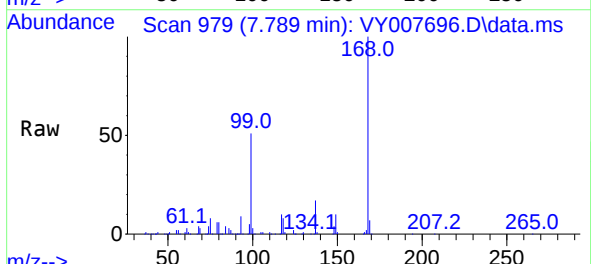
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01

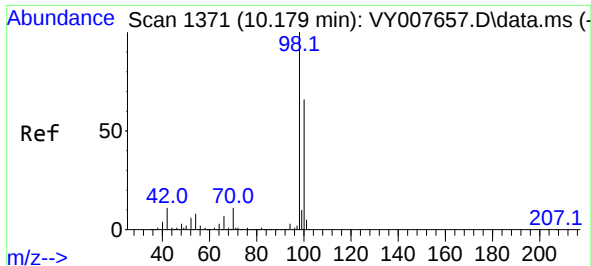
Tgt Ion: 43 Resp: 3933
Ion Ratio Lower Upper
43 100
61 0.7 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.066 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

Tgt Ion: 117 Resp: 26262
Ion Ratio Lower Upper
117 100
119 5.9 77.9 116.9#
121 0.0 24.8 37.2#

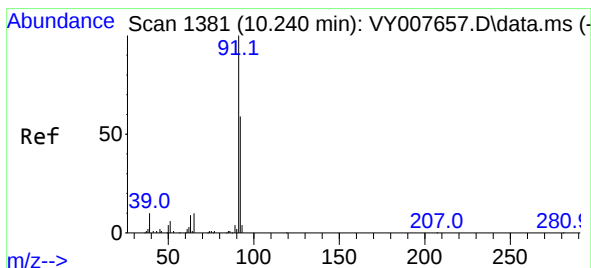
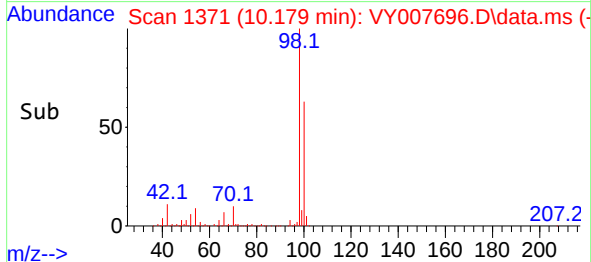
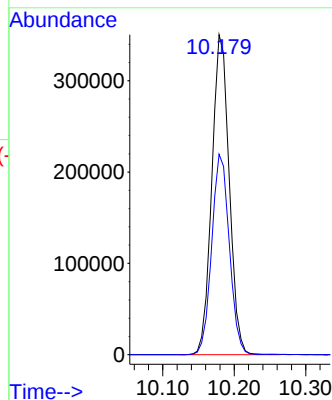
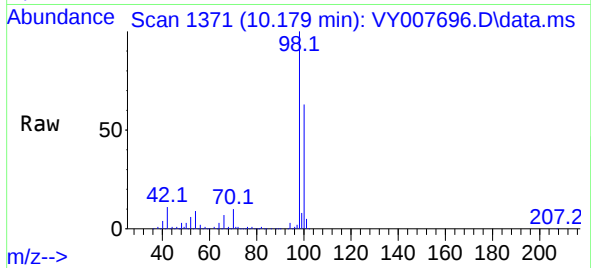




#50
Toluene-d8
Concen: 51.933 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

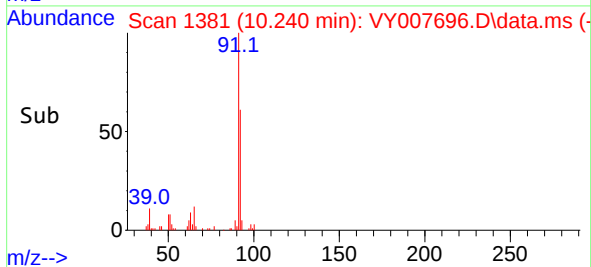
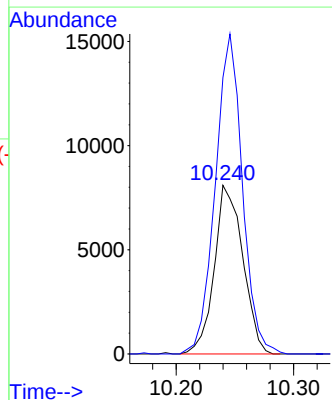
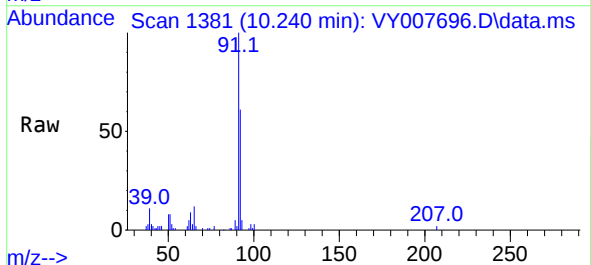
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01

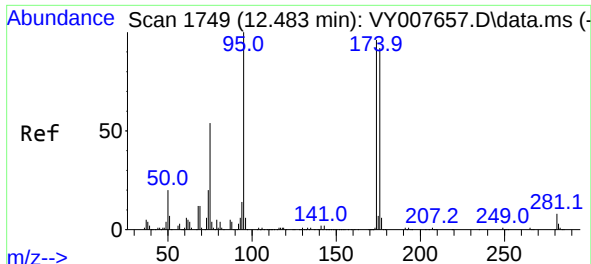
Tgt Ion: 98 Resp: 590553
Ion Ratio Lower Upper
98 100
100 63.6 50.2 75.2



#52
Toluene
Concen: 1.561 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

Tgt Ion: 92 Resp: 13650
Ion Ratio Lower Upper
92 100
91 180.6 142.6 213.8

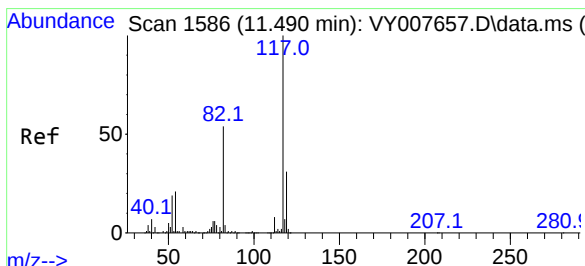
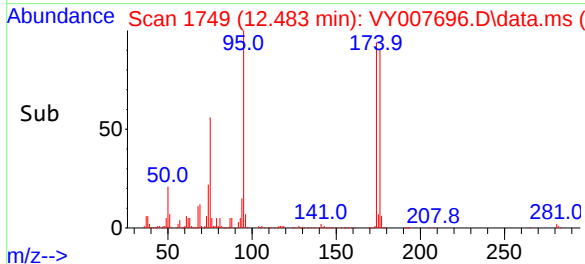
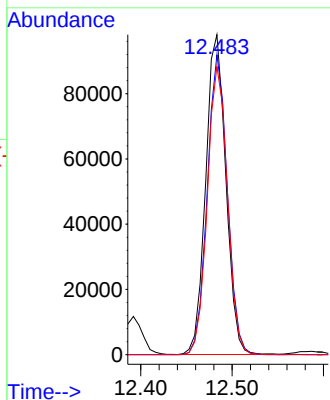
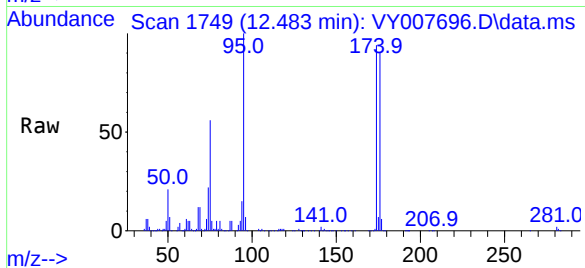




#62
4-Bromofluorobenzene
Concen: 40.979 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

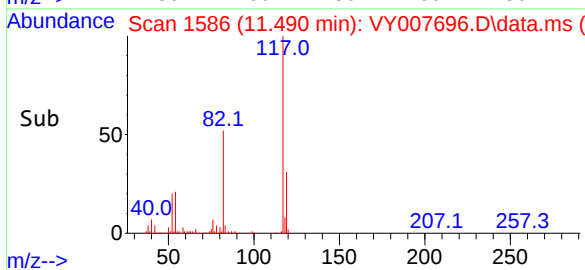
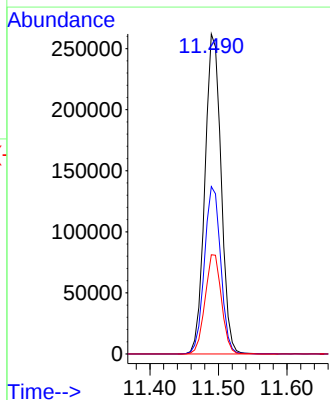
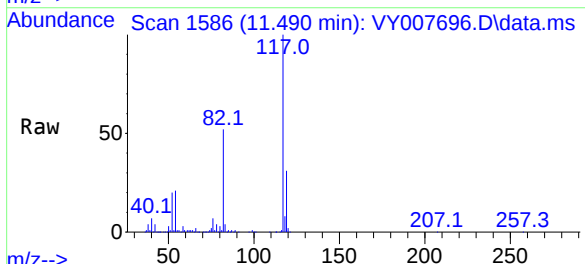
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01

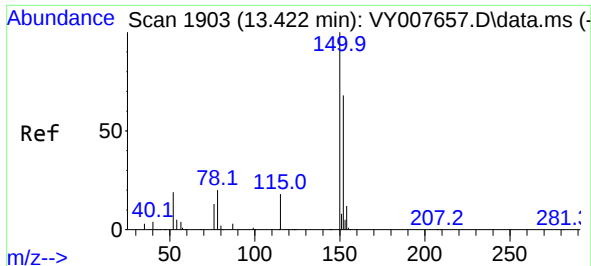
Tgt Ion: 95 Resp: 150208
Ion Ratio Lower Upper
95 100
174 93.2 0.0 177.0
176 89.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

Tgt Ion: 117 Resp: 430298
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 31.0 25.4 38.0

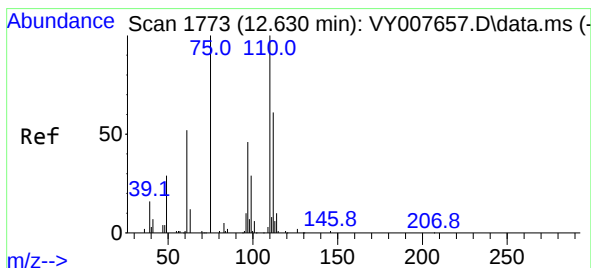
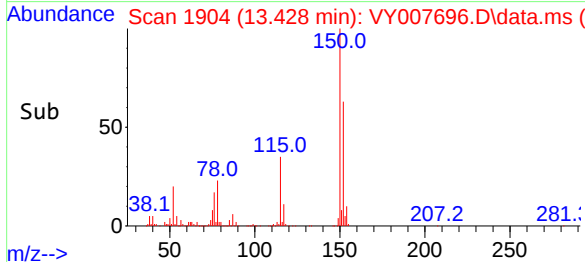
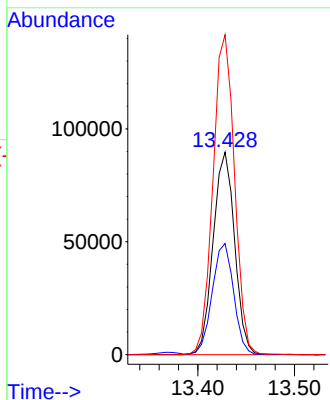
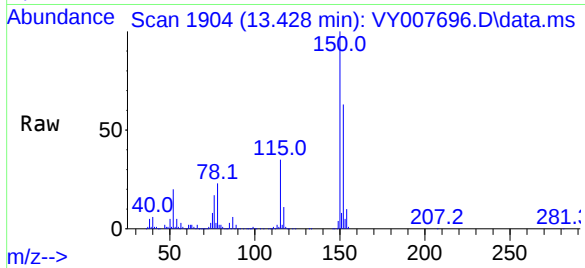




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. 0.006 min
 Lab File: VY007696.D
 Acq: 03 Mar 2022 12:01

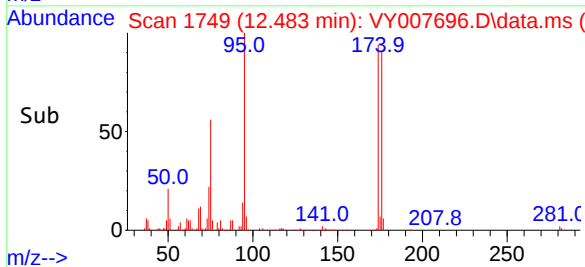
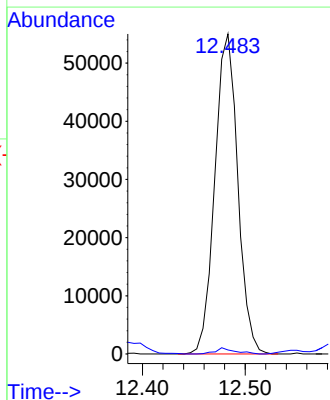
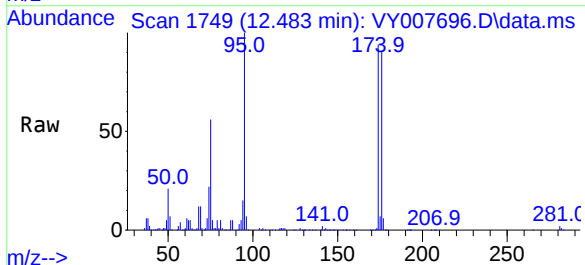
Instrument :
 MSVOA_Y
 ClientSampleId :
 VACLOT-TOPSOIL-GRILLO-01

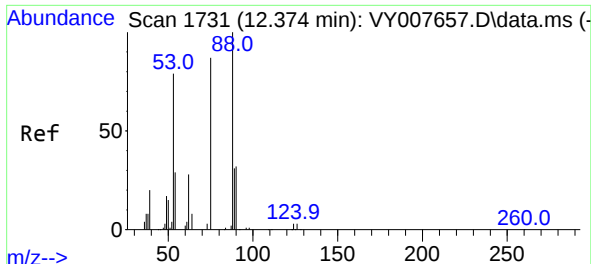
Tgt Ion:152 Resp: 138727
 Ion Ratio Lower Upper
 152 100
 115 54.6 28.2 84.7
 150 157.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 54.926 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY007696.D
 Acq: 03 Mar 2022 12:01

Tgt Ion: 75 Resp: 85094
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

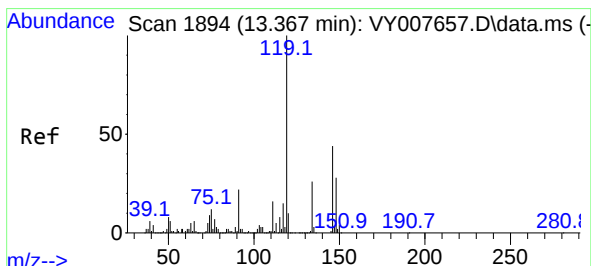
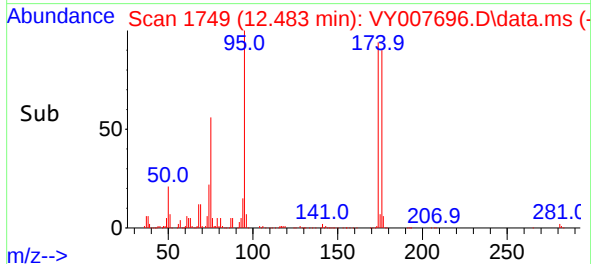
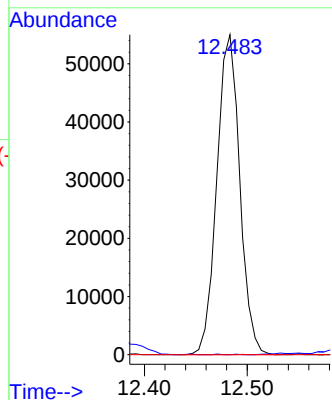
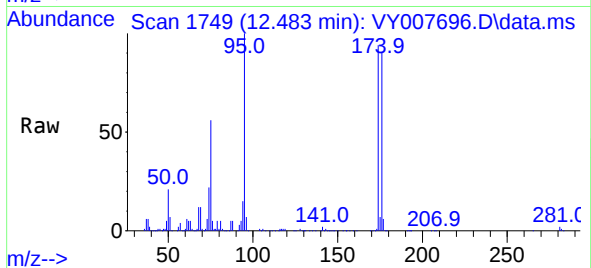




#81
trans-1,4-Dichloro-2-butene
Concen: 112.289 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

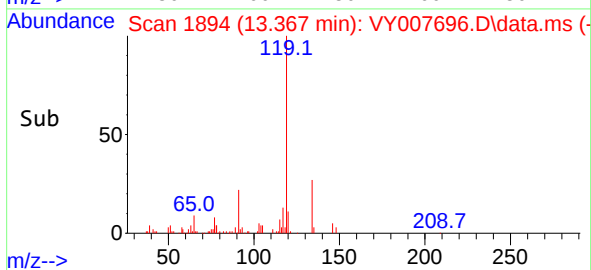
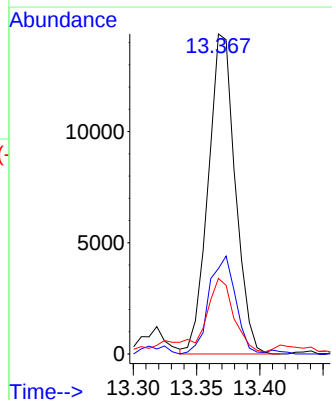
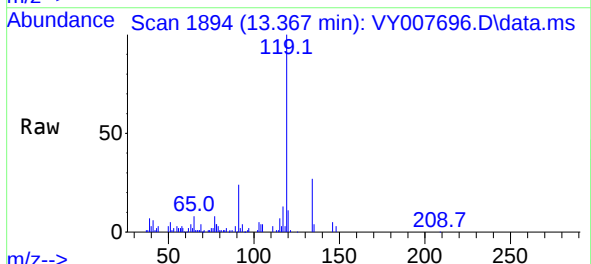
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01

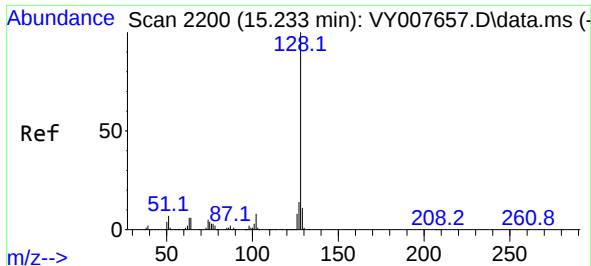
Tgt Ion: 75 Resp: 85094
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#86
p-Isopropyltoluene
Concen: 2.207 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

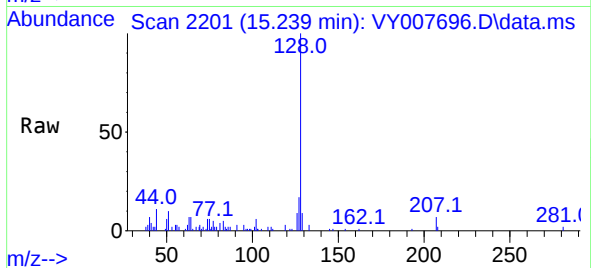
Tgt Ion: 119 Resp: 21430
Ion Ratio Lower Upper
119 100
134 30.0 13.2 39.5
91 29.8 12.4 37.2





#95
Naphthalene
Concen: 2.158 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY007696.D
Acq: 03 Mar 2022 12:01

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



Tgt Ion:	128	Resp:	12228
Ion	Ratio	Lower	Upper
128	100		
127	15.5	11.0	16.4
129	11.4	8.4	12.6

