

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030322\
 Data File : VY007697.D
 Acq On : 03 Mar 2022 12:24
 Operator : SY/MD
 Sample : N1731-02RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Mar 04 00:40:30 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)

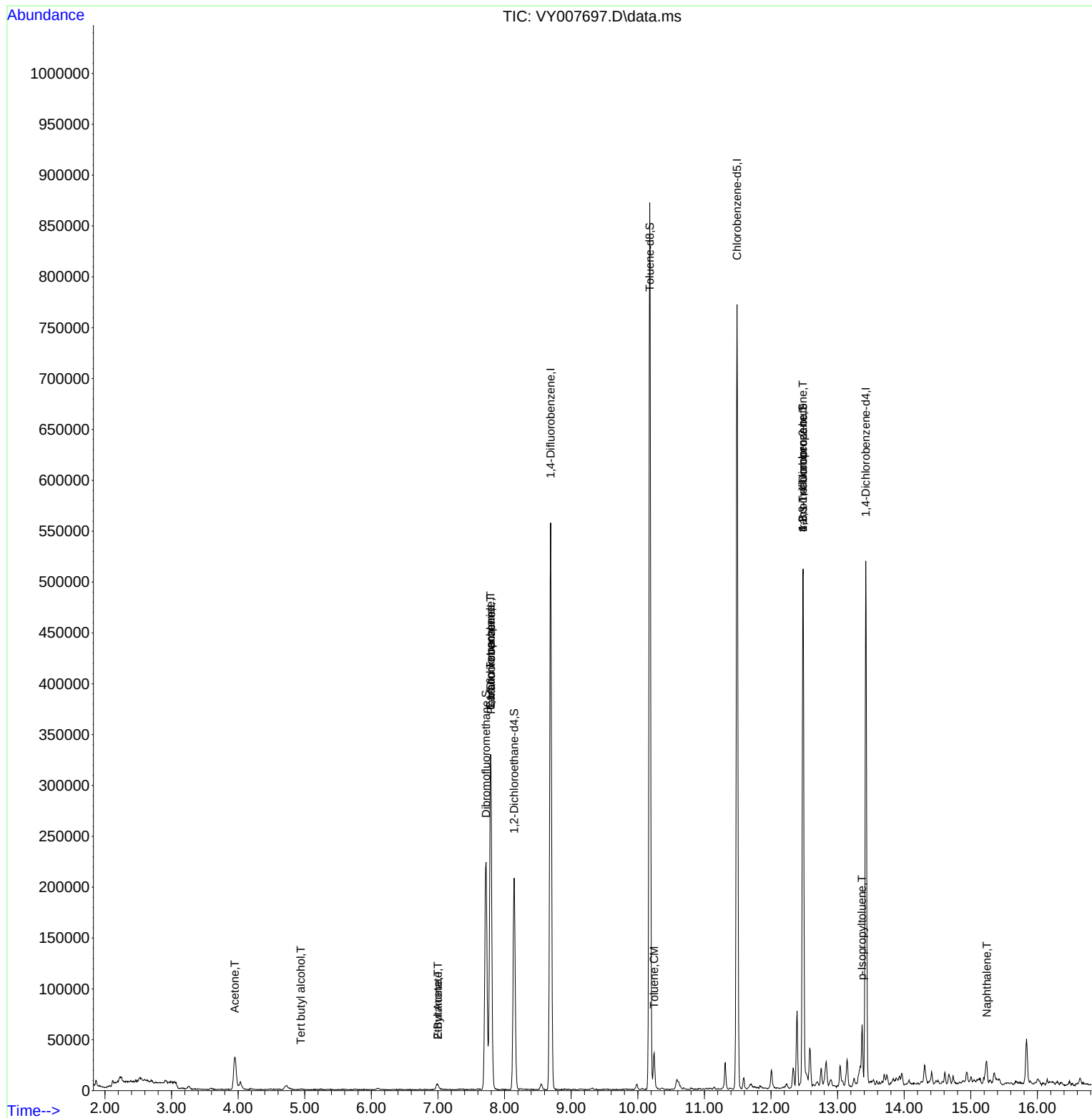
Internal Standards						
1) Pentafluorobenzene	7.795	168	260856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	467723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	408761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	126953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	158350	57.984	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.960%	
35) Dibromofluoromethane	7.722	113	157852	52.788	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.580%	
50) Toluene-d8	10.179	98	569400	51.729	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.460%	
62) 4-Bromofluorobenzene	12.477	95	143482	40.438	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.880%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	134	Below Cal	#	43
3) Chloromethane	2.113	50	2212	Below Cal	#	54
11) Tert butyl alcohol	4.942	59	691	2.923	ug/l #	77
13) Acrolein	3.735	56	103	Below Cal		88
16) Acetone	3.948	43	57999	104.400	ug/l	93
17) Carbon Disulfide	4.204	76	666	Below Cal	#	75
18) Methyl Acetate	4.473	43	553	Below Cal		94
20) Methylene Chloride	4.729	84	2835	Below Cal	#	62
25) 2-Butanone	6.997	43	8937	9.590	ug/l #	80
31) Cyclohexane	7.789	56	6051	Below Cal	#	25
36) 1,1-Dichloropropene	7.789	75	20896	4.442	ug/l #	52
37) Ethyl Acetate	6.997	43	8937	3.440	ug/l #	72
38) Carbon Tetrachloride	7.789	117	26322	5.246	ug/l #	15
52) Toluene	10.246	92	14009	1.655	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	80936	57.087	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	80936	116.707	ug/l #	7
86) p-Isopropyltoluene	13.367	119	29015	3.265	ug/l	97
95) Naphthalene	15.239	128	18110	3.493	ug/l #	97

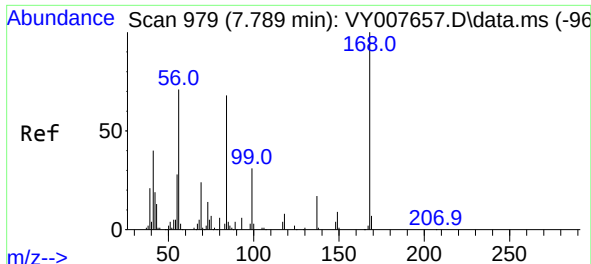
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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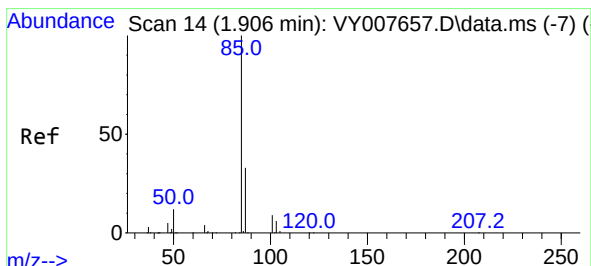
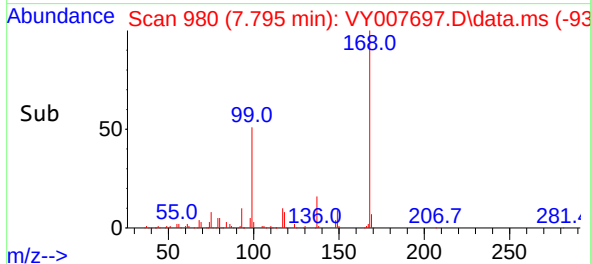
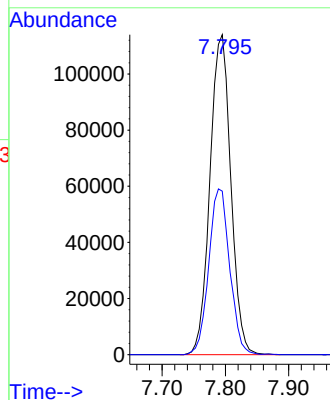
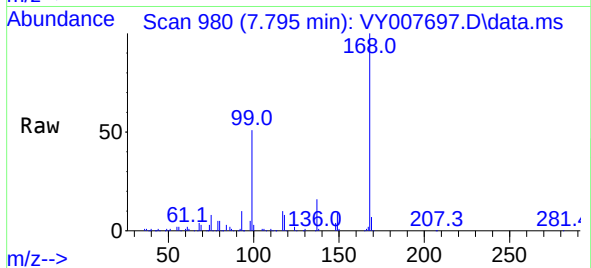




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

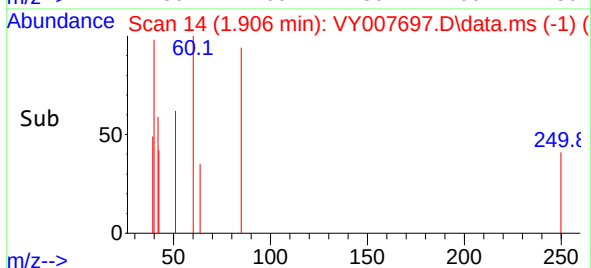
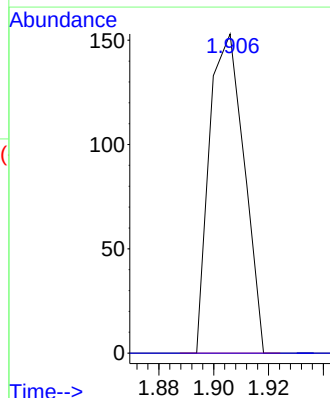
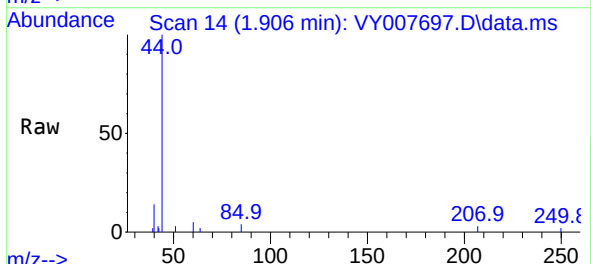
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ARE

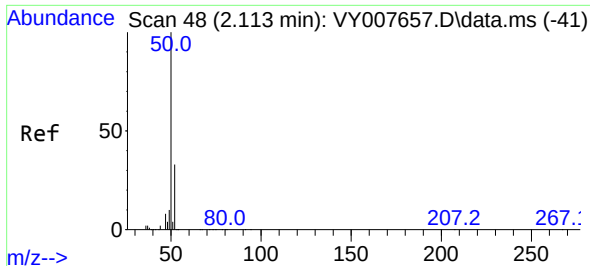
Tgt Ion:168 Resp: 260856
Ion Ratio Lower Upper
168 100
99 51.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

Tgt Ion: 85 Resp: 134
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

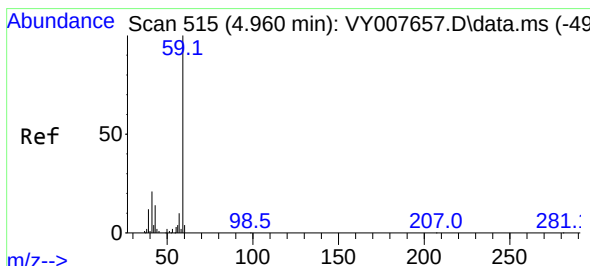
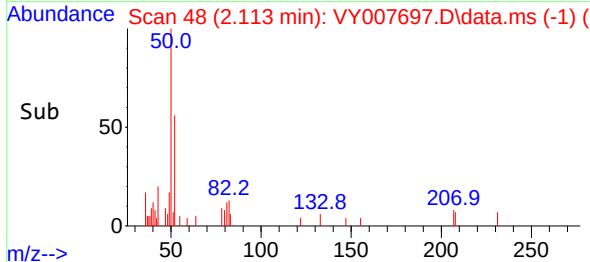
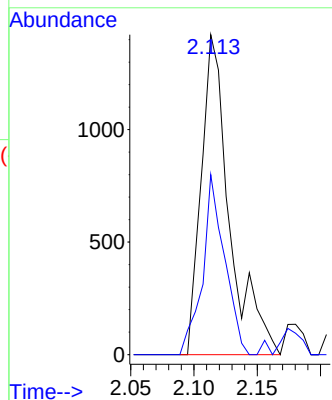
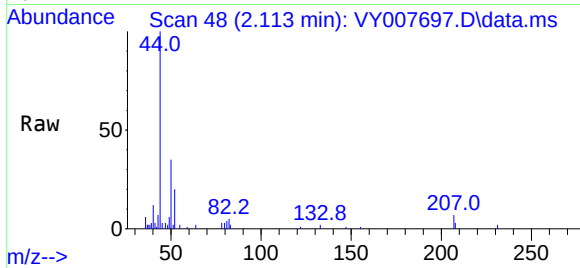




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

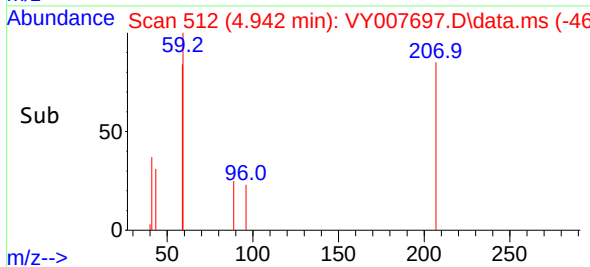
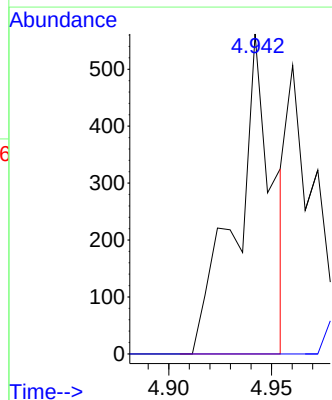
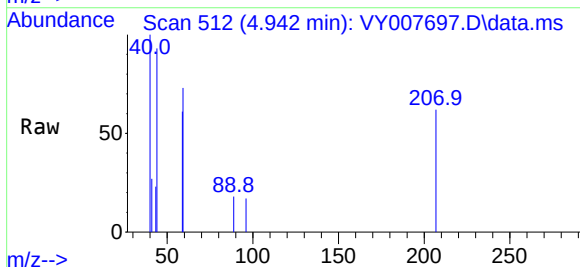
Instrument :
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ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ARE

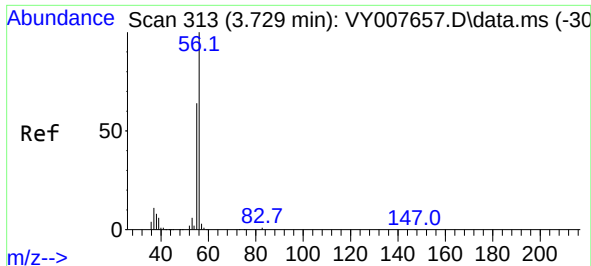
Tgt Ion: 50 Resp: 2212
Ion Ratio Lower Upper
50 100
52 56.3 24.6 37.0#



#11
Tert butyl alcohol
Concen: 2.923 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

Tgt Ion: 59 Resp: 691
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#13

Acrolein

Concen: Below Cal

RT: 3.735 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY007697.D

Acq: 03 Mar 2022 12:24

Instrument :

MSVOA_Y

ClientSampleId :

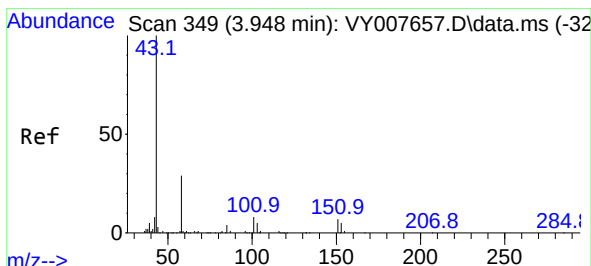
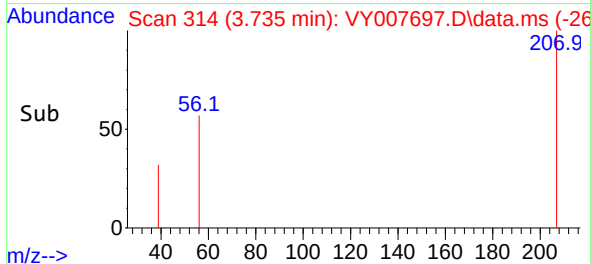
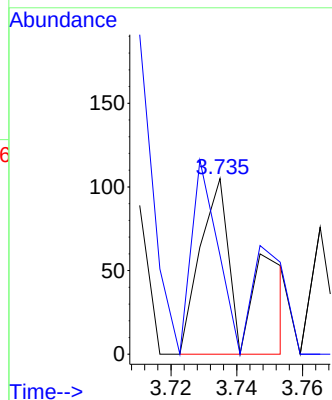
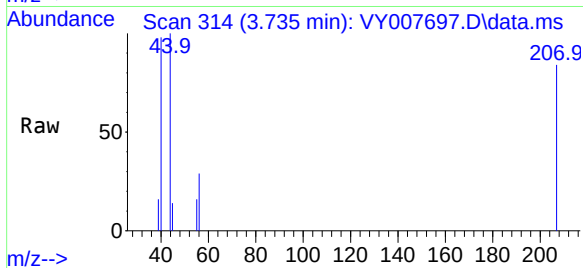
VACLOT-TOPSOIL-GRILLO-01ARE

Tgt Ion: 56 Resp: 103

Ion Ratio Lower Upper

56 100

55 62.1 57.6 86.4



#16

Acetone

Concen: 104.400 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY007697.D

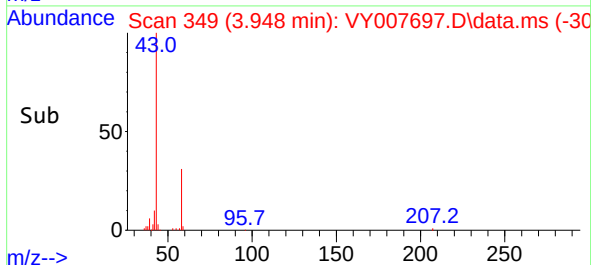
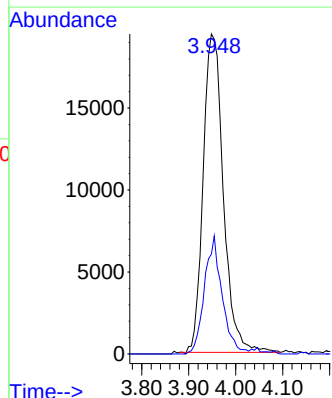
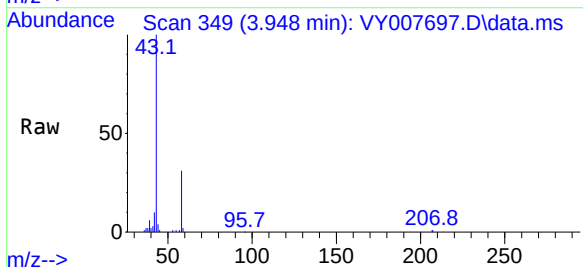
Acq: 03 Mar 2022 12:24

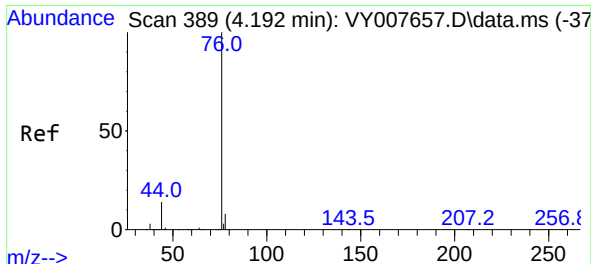
Tgt Ion: 43 Resp: 57999

Ion Ratio Lower Upper

43 100

58 31.4 22.0 33.0

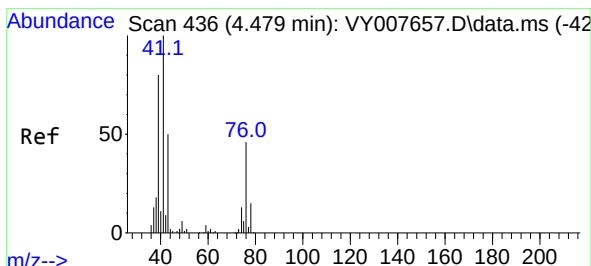
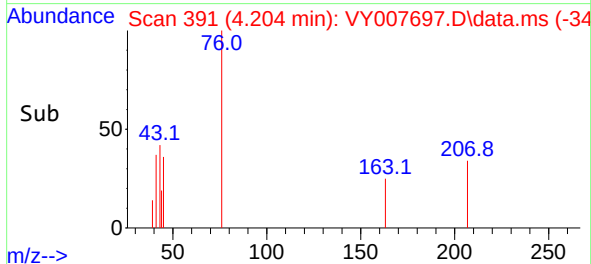
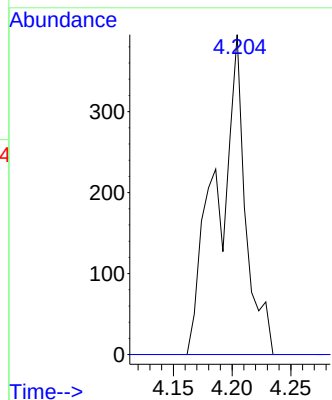
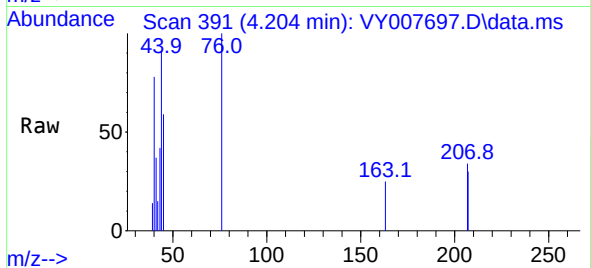




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

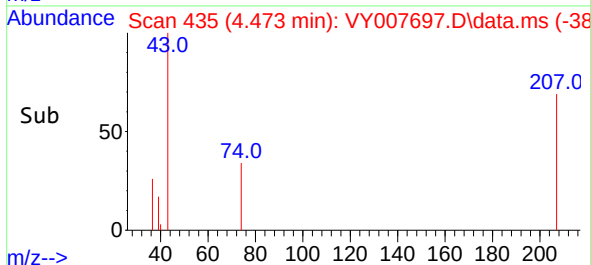
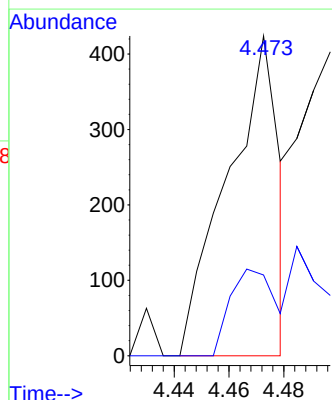
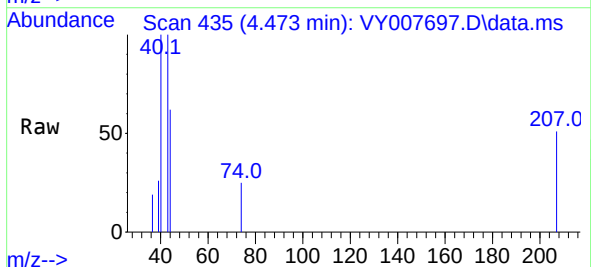
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ARE

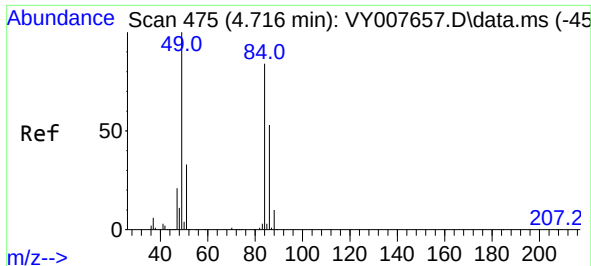
Tgt Ion: 76 Resp: 666
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

Tgt Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
74 23.7 16.6 24.8

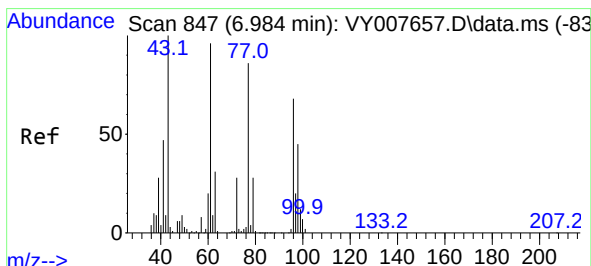
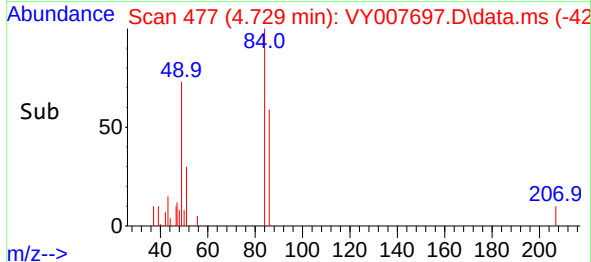
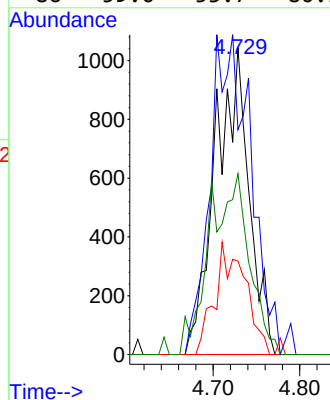
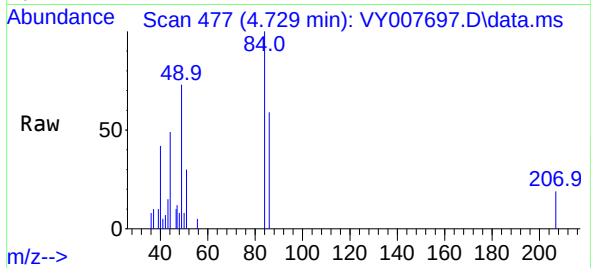




#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

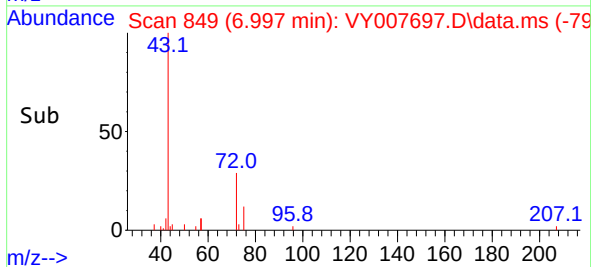
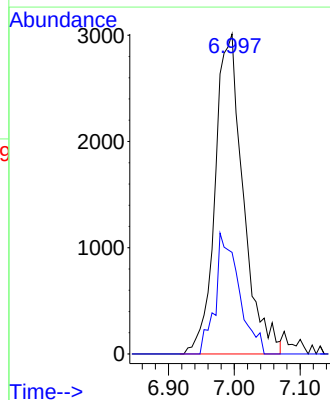
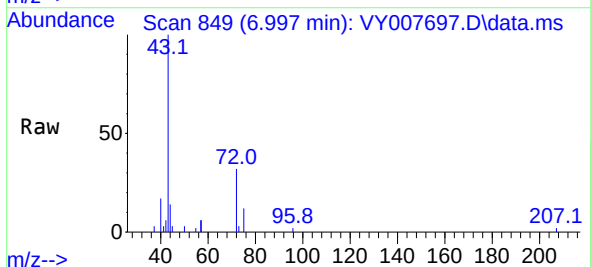
Instrument : MSVOA_Y
ClientSampleId : VACLOT-TOPSOIL-GRILLO-01ARE

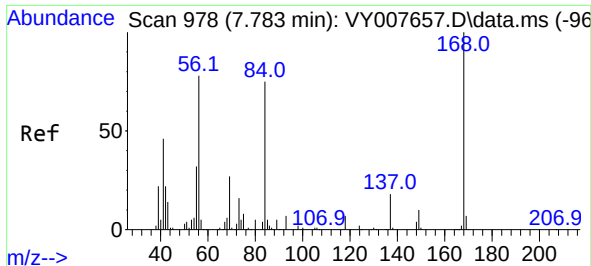
Tgt Ion:	84	Resp:	2835
Ion	Ratio	Lower	Upper
84	100		
49	73.3	114.4	171.6#
51	30.5	35.3	52.9#
86	59.0	53.7	80.5



#25
2-Butanone
Concen: 9.590 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.013 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

Tgt Ion:	43	Resp:	8937
Ion	Ratio	Lower	Upper
43	100		
72	31.7	17.7	26.5#

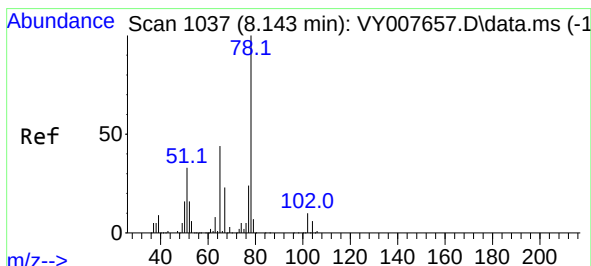
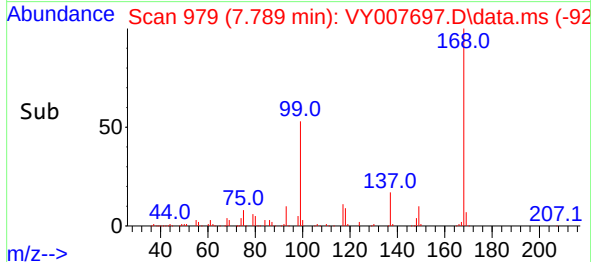
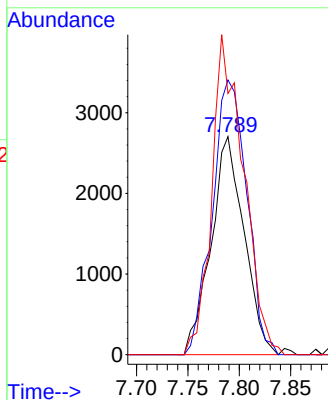
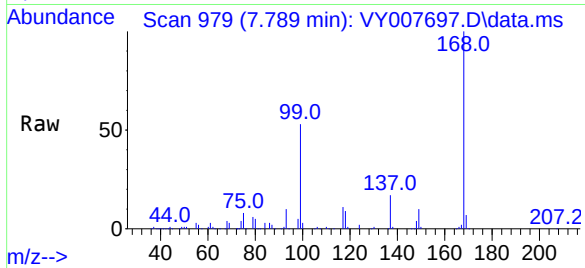




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

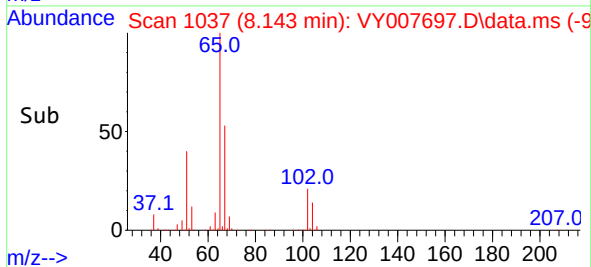
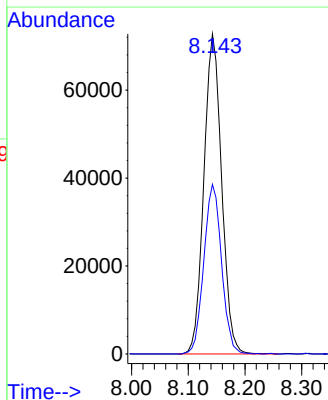
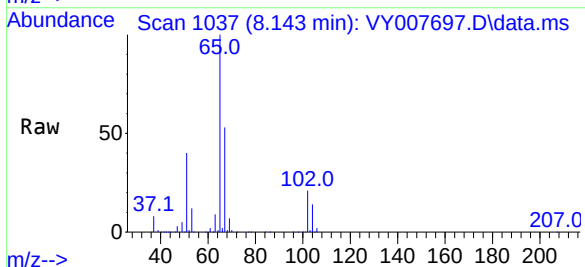
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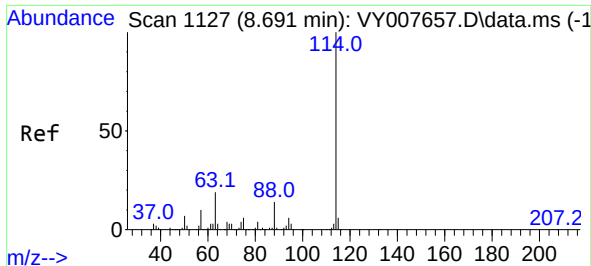
Tgt Ion: 56 Resp: 6051
Ion Ratio Lower Upper
56 100
69 126.0 26.7 40.1#
84 119.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.984 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

Tgt Ion: 65 Resp: 158350
Ion Ratio Lower Upper
65 100
67 52.9 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: VY007697.D

Acq: 03 Mar 2022 12:24

Instrument :

MSVOA_Y

ClientSampleId :

VACLOT-TOPSOIL-GRILLO-01ARE

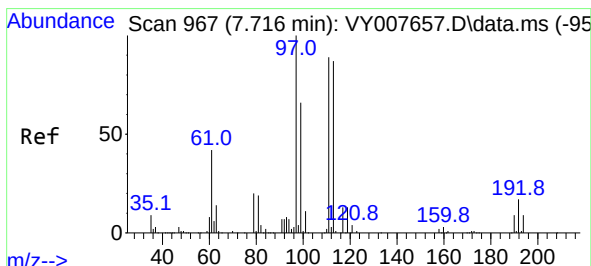
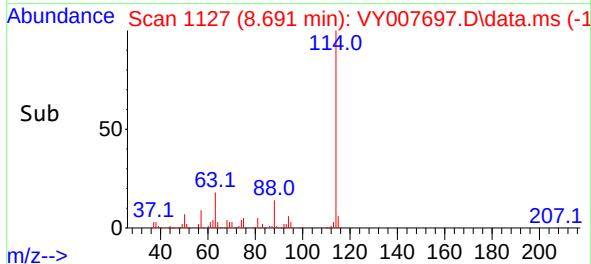
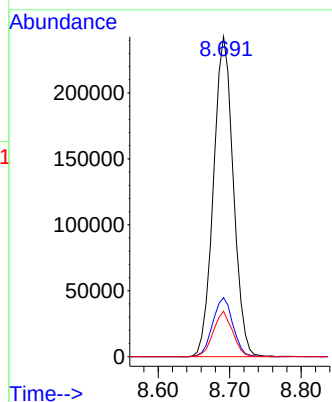
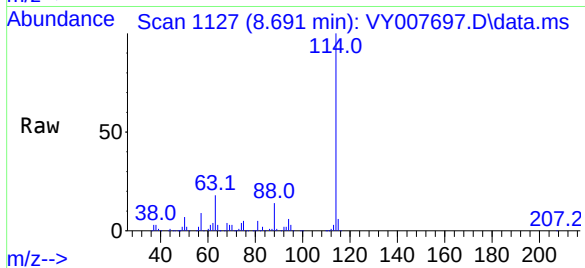
Tgt Ion:114 Resp: 467723

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.788 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007697.D

Acq: 03 Mar 2022 12:24

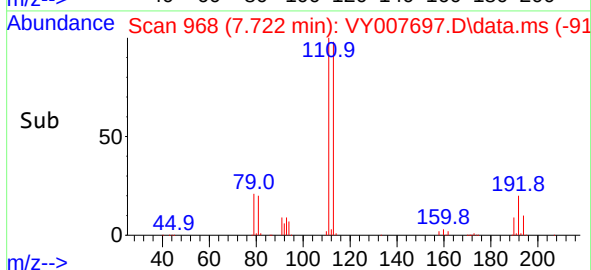
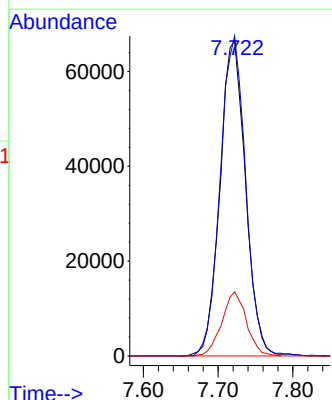
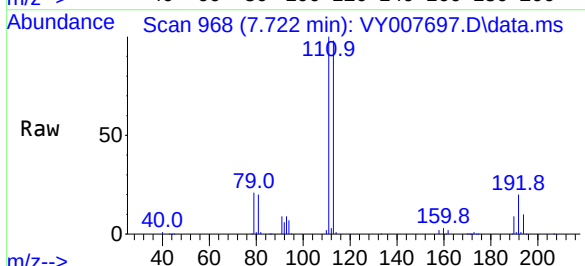
Tgt Ion:113 Resp: 157852

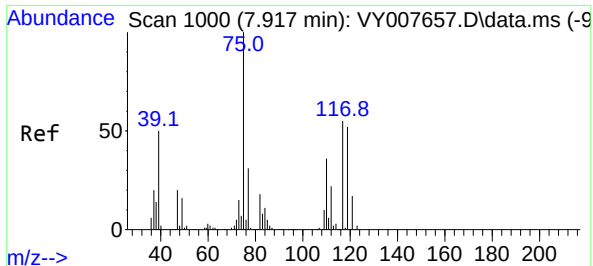
Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

192 19.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.442 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007697.D

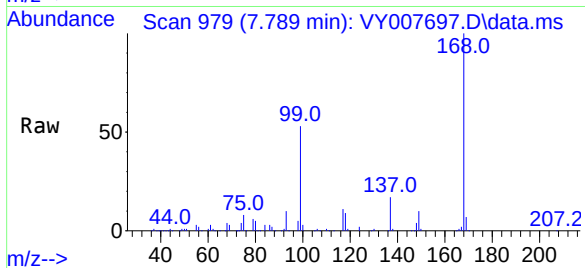
Acq: 03 Mar 2022 12:24

Instrument :

MSVOA_Y

ClientSampleId :

VACLOT-TOPSOIL-GRILLO-01ARE



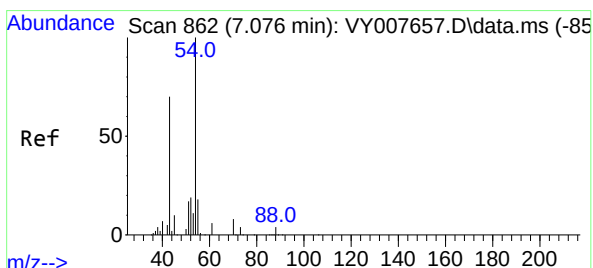
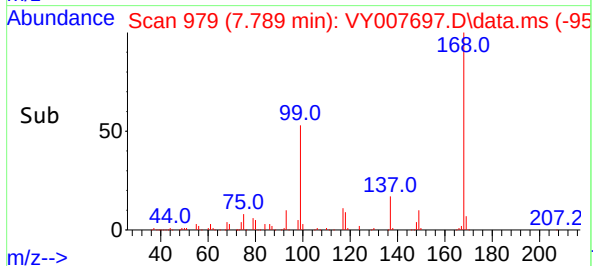
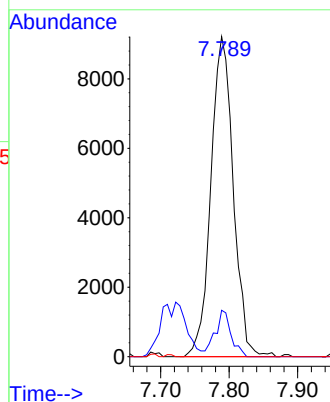
Tgt Ion: 75 Resp: 20896

Ion Ratio Lower Upper

75 100

110 10.4 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 3.440 ug/l

RT: 6.997 min Scan# 849

Delta R.T. -0.079 min

Lab File: VY007697.D

Acq: 03 Mar 2022 12:24

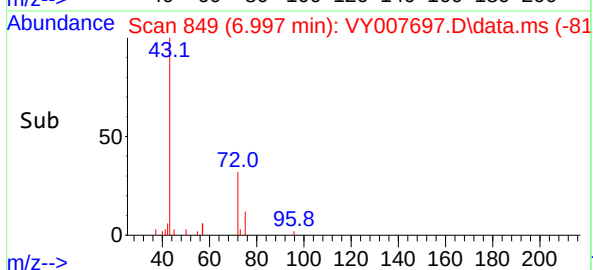
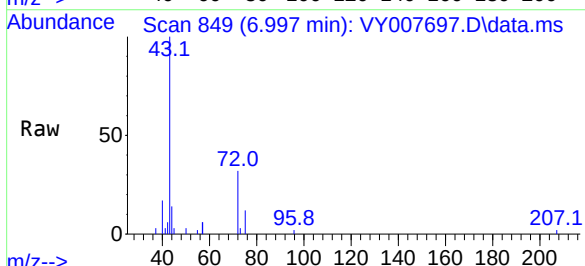
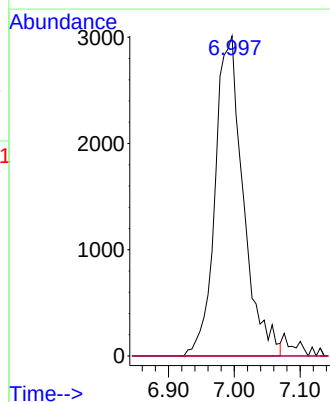
Tgt Ion: 43 Resp: 8937

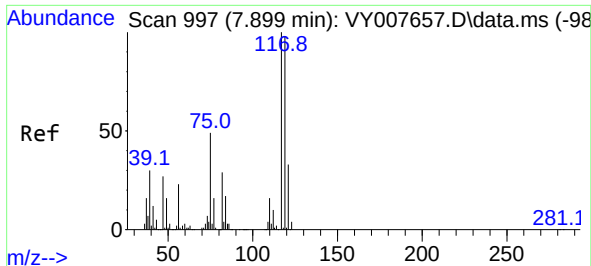
Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#

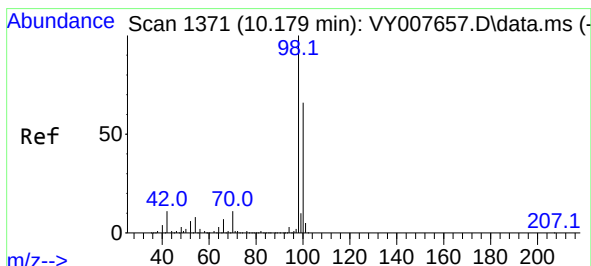
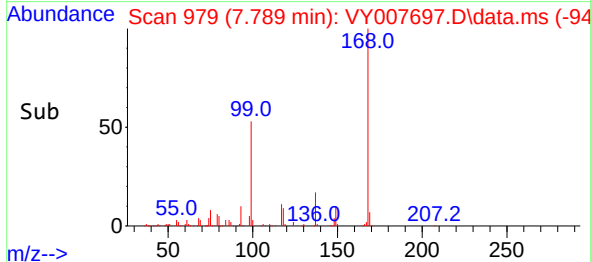
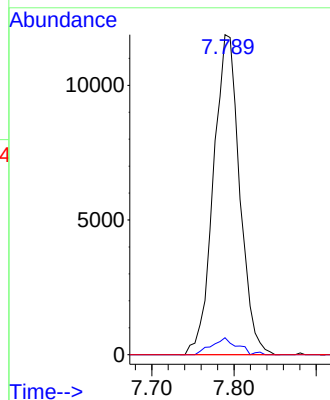
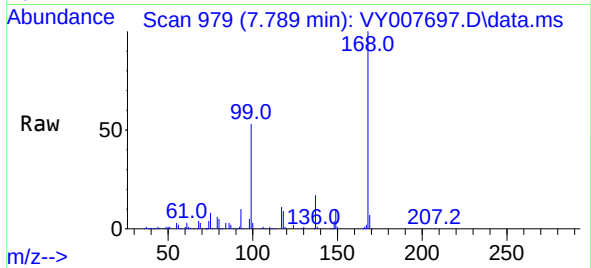




#38
Carbon Tetrachloride
Concen: 5.246 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

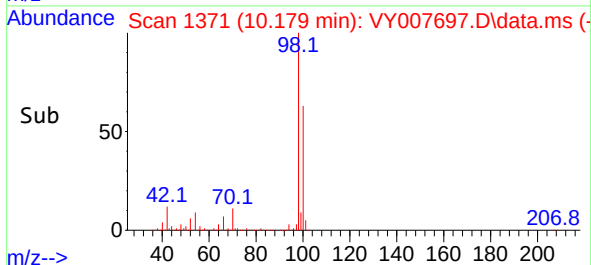
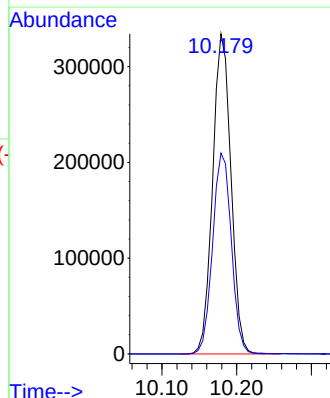
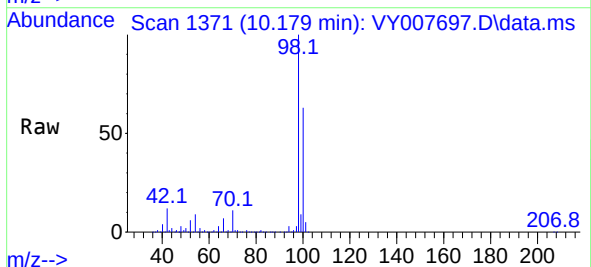
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ARE

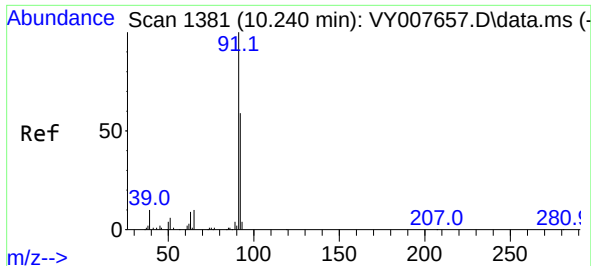
Tgt Ion:117 Resp: 26322
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.729 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

Tgt Ion: 98 Resp: 569400
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

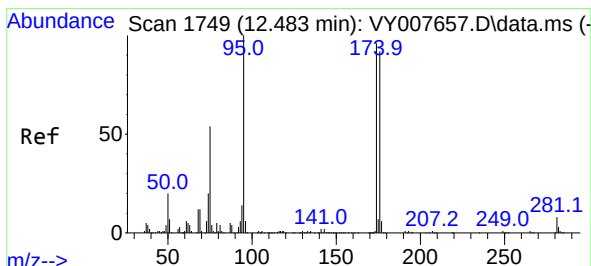
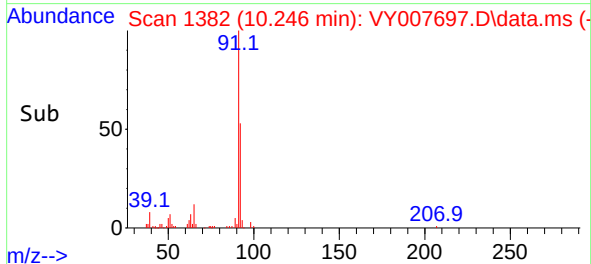
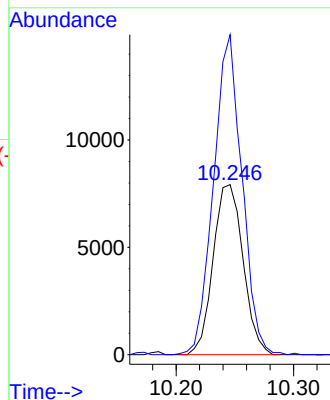
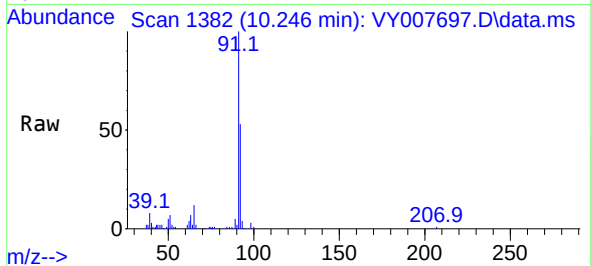




#52
Toluene
Concen: 1.655 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

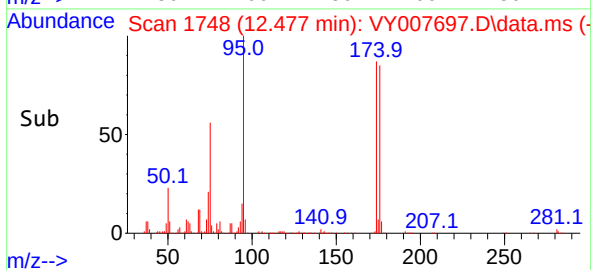
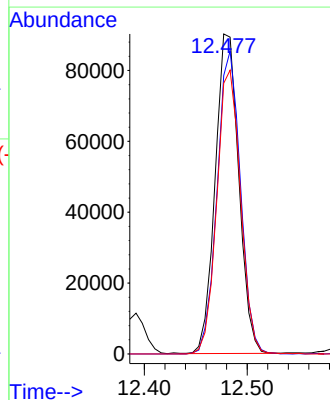
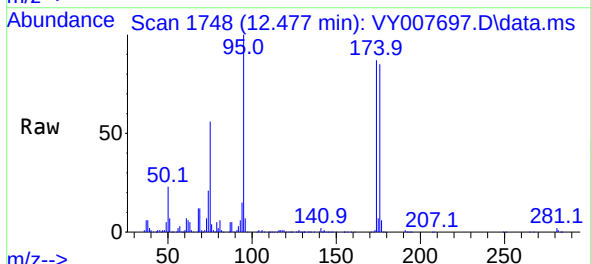
Instrument : MSVOA_Y
ClientSampleId : VACLOT-TOPSOIL-GRILLO-01ARE

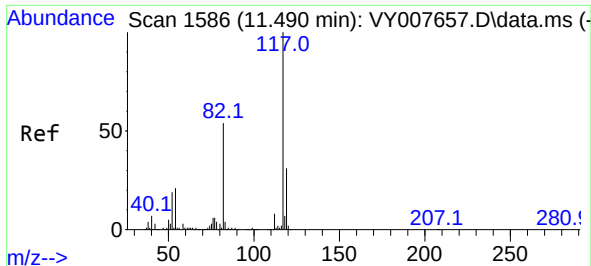
Tgt Ion: 92 Resp: 14009
Ion Ratio Lower Upper
92 100
91 179.0 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 40.438 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

Tgt Ion: 95 Resp: 143482
Ion Ratio Lower Upper
95 100
174 93.9 0.0 177.0
176 89.5 0.0 175.8

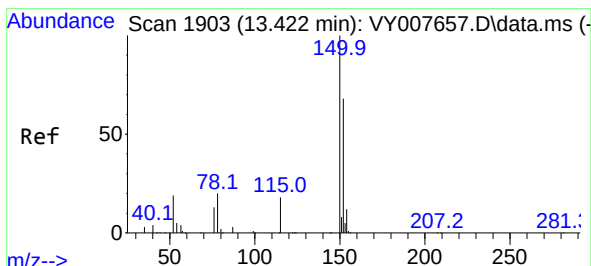
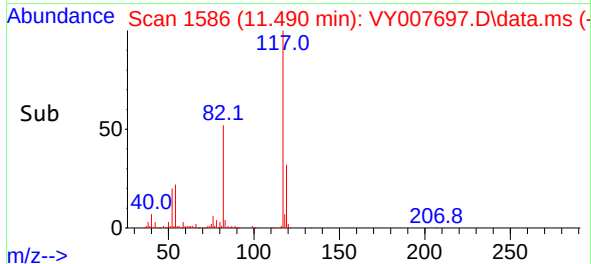
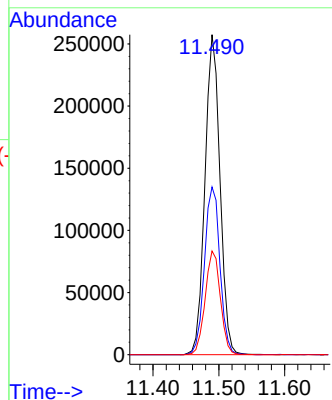
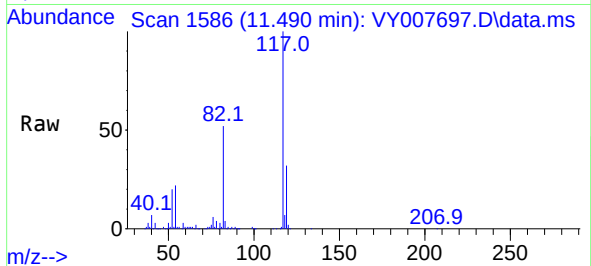




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

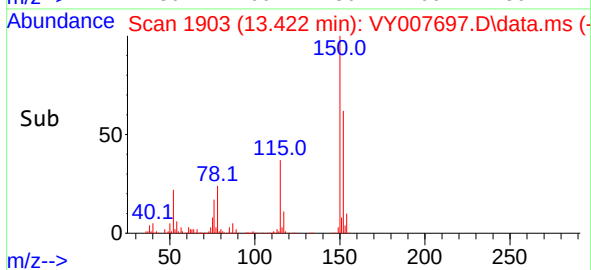
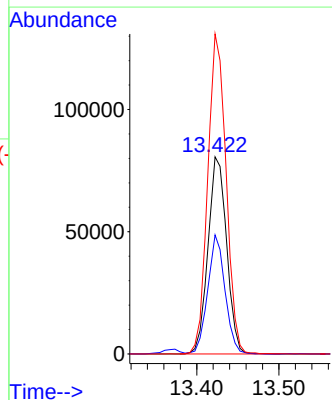
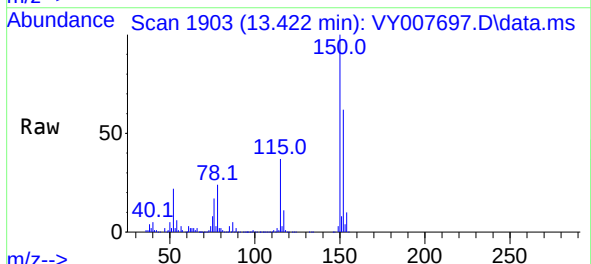
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ARE

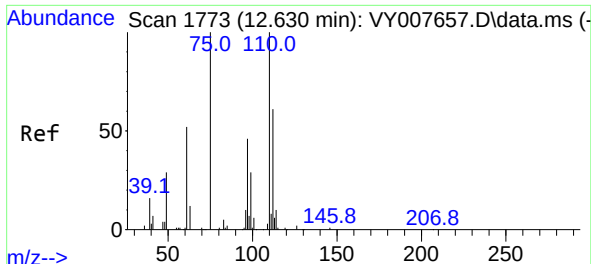
Tgt Ion:	117	Resp:	408761
Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.0	64.4
119	32.4	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

Tgt Ion:	152	Resp:	126953
Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.2	84.7
150	159.7	0.0	347.6

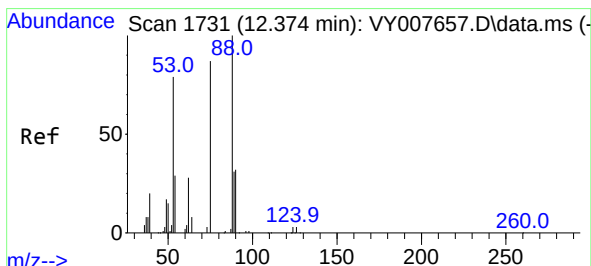
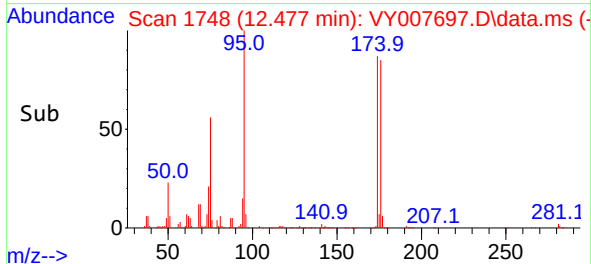
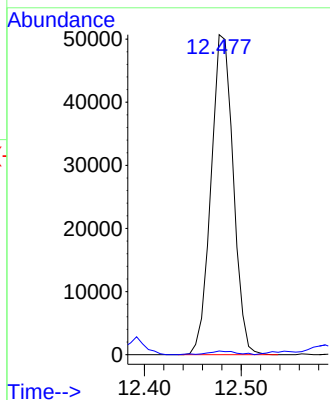
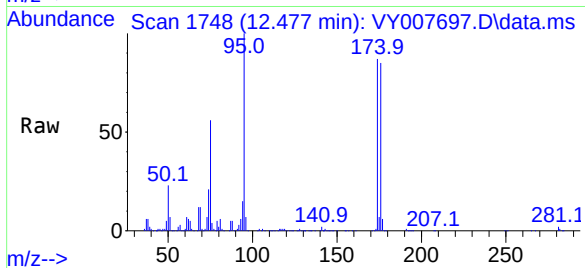




#76
1,2,3-Trichloropropane
Concen: 57.087 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

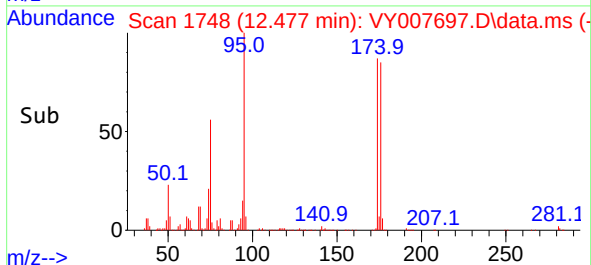
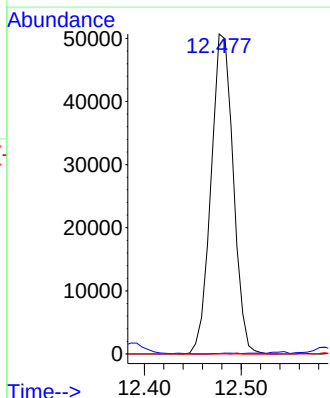
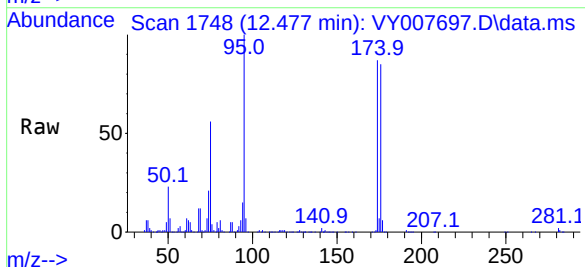
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ARE

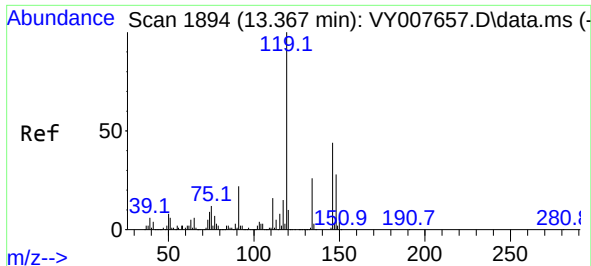
Tgt Ion: 75 Resp: 80936
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.707 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

Tgt Ion: 75 Resp: 80936
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.1 37.0 55.4#

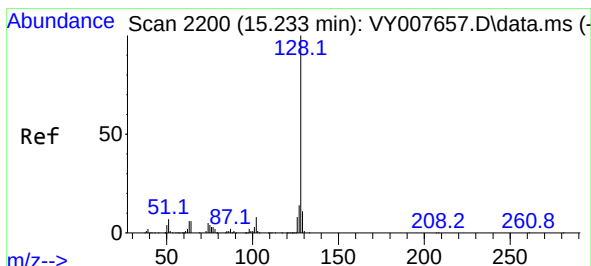
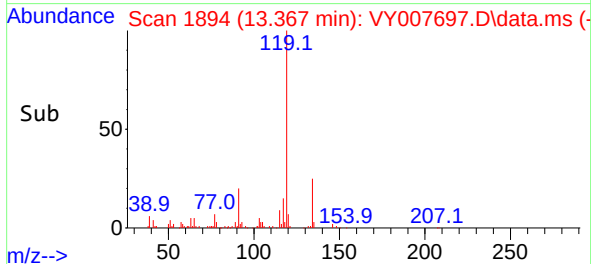
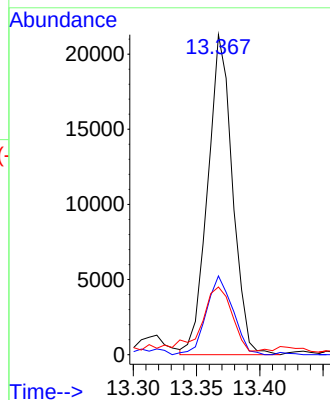
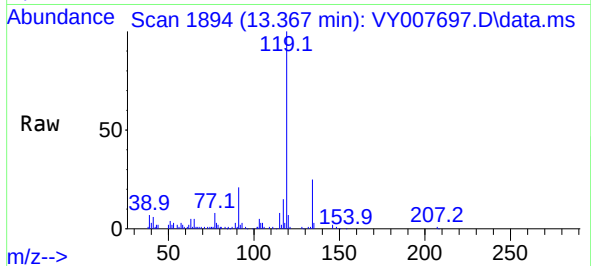




#86
p-Isopropyltoluene
Concen: 3.265 ug/l
RT: 13.367 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

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

Tgt Ion:	119	Resp:	29015
Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.5
91	28.1	12.4	37.2



#95
Naphthalene
Concen: 3.493 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY007697.D
Acq: 03 Mar 2022 12:24

Tgt Ion:	128	Resp:	18110
Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.4
129	12.7	8.4	12.6

