

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073148.D
 Acq On : 19 May 2022 19:48
 Operator : VA/SY
 Sample : N2889-05
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-211-051-SOIL

Quant Time: May 20 01:50:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

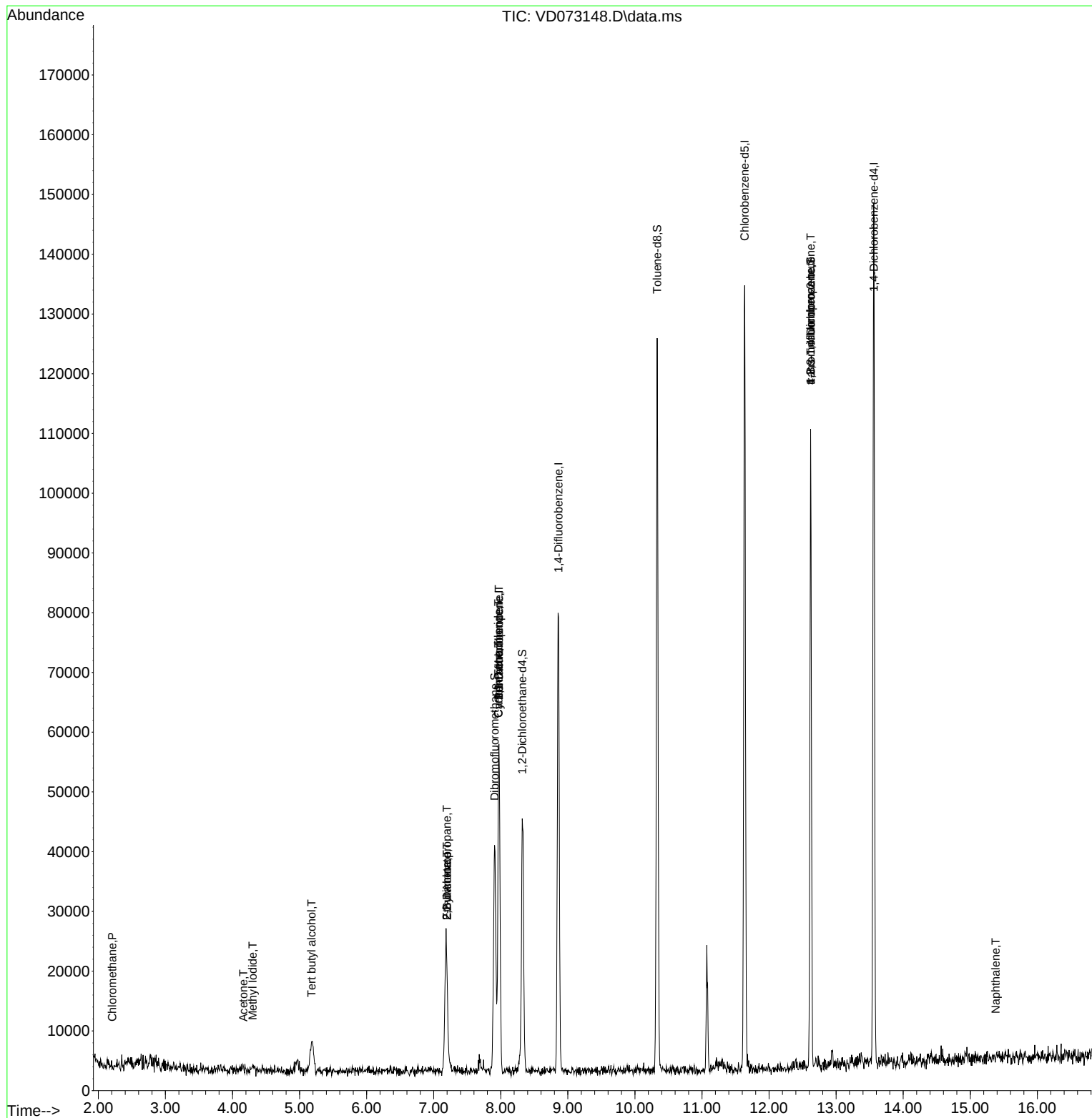
Internal Standards						
1) Pentafluorobenzene	7.973	168	38814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	63807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	76328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	38706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	33710	78.587	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 157.180%			
35) Dibromofluoromethane	7.908	113	28927	68.704	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 137.400%			
50) Toluene-d8	10.332	98	81448	52.477	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.960%			
62) 4-Bromofluorobenzene	12.620	95	33797	62.049	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 124.100%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	647	1.475	ug/l	98
5) Bromomethane	2.779	94	930	Below Cal	#	72
10) Methyl Iodide	4.303	142	1142	2.502	ug/l #	78
11) Tert butyl alcohol	5.179	59	4921	73.943	ug/l #	74
16) Acetone	4.162	43	1058	14.240	ug/l #	64
20) Methylene Chloride	4.967	84	1230	Below Cal	#	59
25) 2-Butanone	7.197	43	1079	9.926	ug/l #	52
26) 2,2-Dichloropropane	7.197	77	1090	1.509	ug/l #	54
31) Cyclohexane	7.967	56	1011	1.349	ug/l #	62
36) 1,1-Dichloropropene	7.973	75	4007	6.328	ug/l #	47
37) Ethyl Acetate	7.197	43	1079	4.314	ug/l #	1
38) Carbon Tetrachloride	7.967	117	4623	7.202	ug/l #	24
76) 1,2,3-Trichloropropane	12.620	75	18093	47.642	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	18093	114.373	ug/l #	7
95) Naphthalene	15.379	128	898	4.200	ug/l #	70

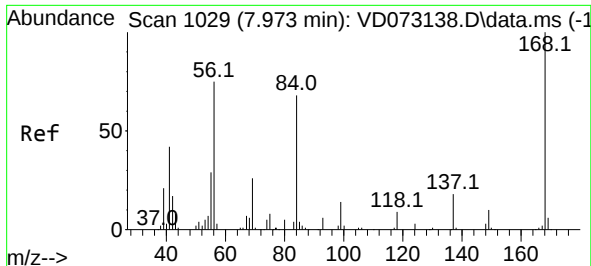
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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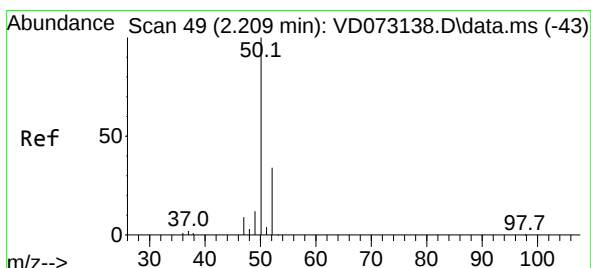
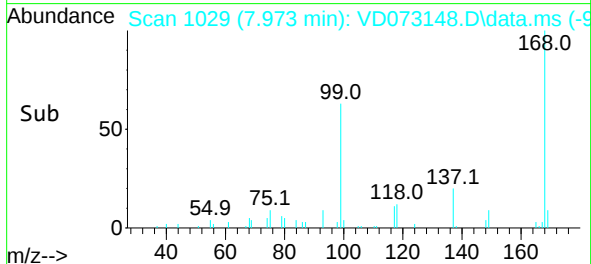
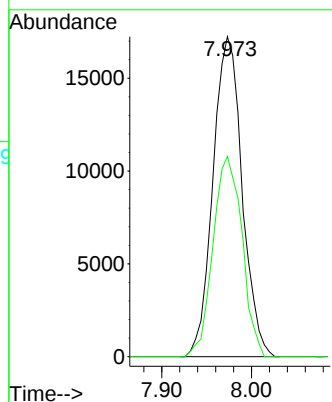
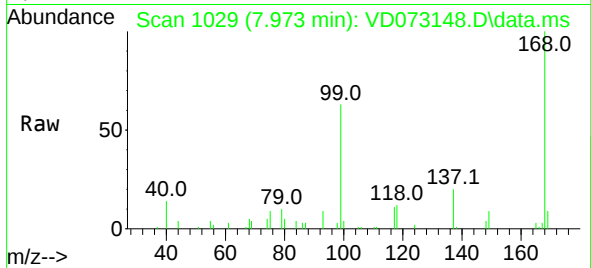




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073148.D
Acq: 19 May 2022 19:48

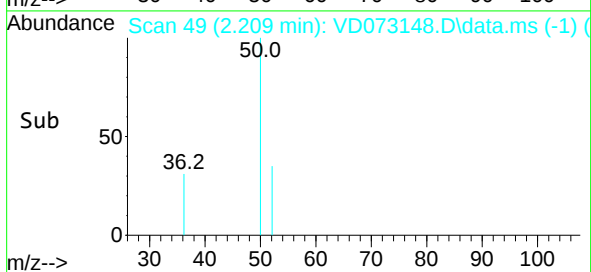
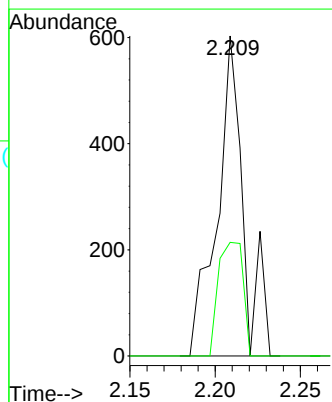
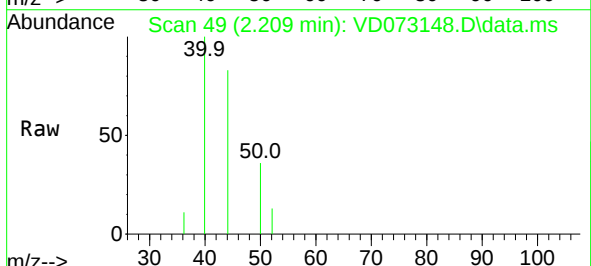
Instrument :
MSVOA_D
ClientSampleId :
RO-211-051-SOIL

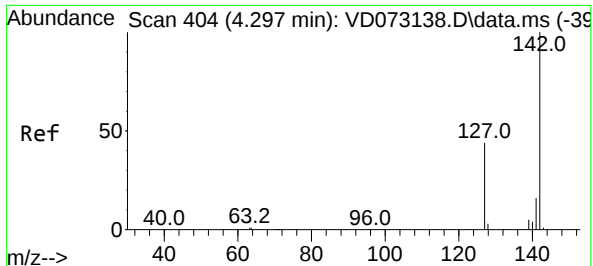
Tgt Ion:168 Resp: 38814
Ion Ratio Lower Upper
168 100
99 62.5 49.8 74.6



#3
Chloromethane
Concen: 1.475 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073148.D
Acq: 19 May 2022 19:48

Tgt Ion: 50 Resp: 647
Ion Ratio Lower Upper
50 100
52 35.5 27.4 41.0

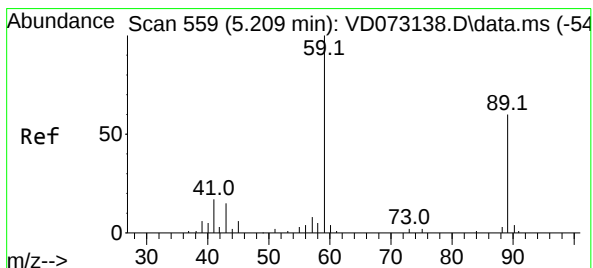
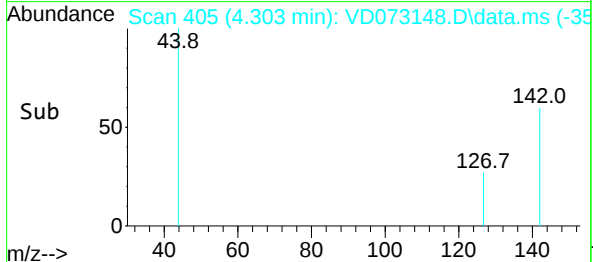
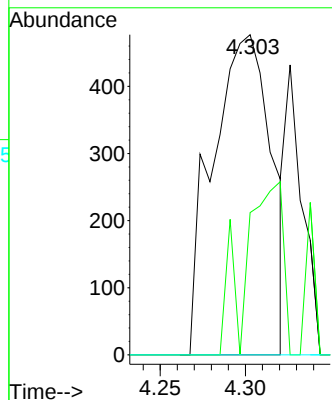
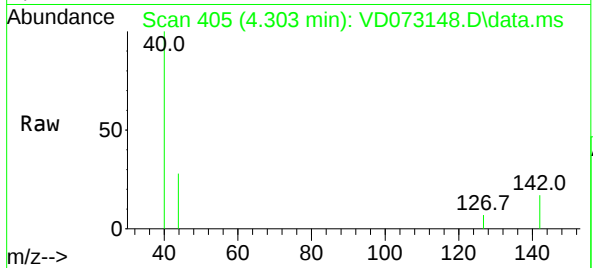




#10
Methyl Iodide
Concen: 2.502 ug/l
RT: 4.303 min Scan# 404
Delta R.T. 0.006 min
Lab File: VD073148.D
Acq: 19 May 2022 19:48

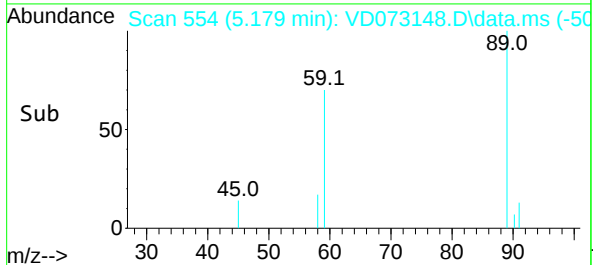
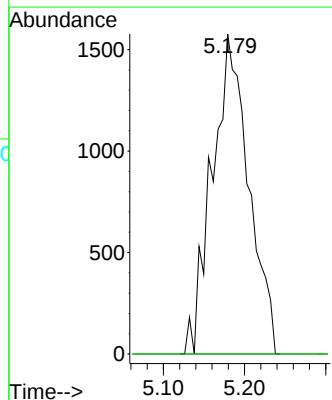
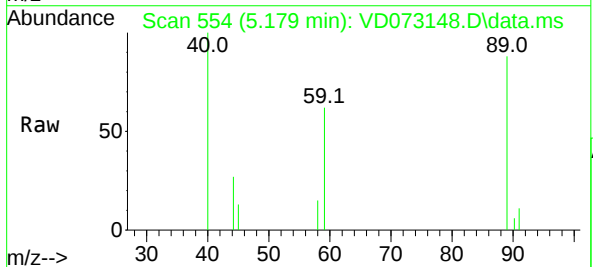
Instrument :
MSVOA_D
ClientSampleId :
RO-211-051-SOIL

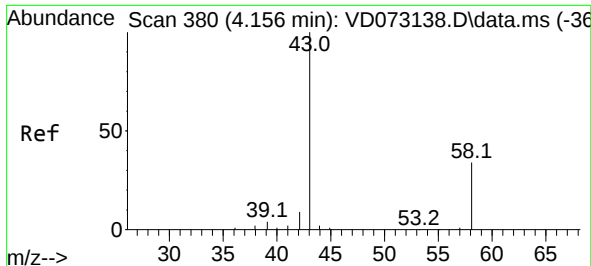
Tgt Ion:142 Resp: 1142
Ion Ratio Lower Upper
142 100
127 35.2 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 73.943 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.030 min
Lab File: VD073148.D
Acq: 19 May 2022 19:48

Tgt Ion: 59 Resp: 4921
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 14.240 ug/l

RT: 4.162 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD073148.D

Acq: 19 May 2022 19:48

Instrument :

MSVOA_D

ClientSampleId :

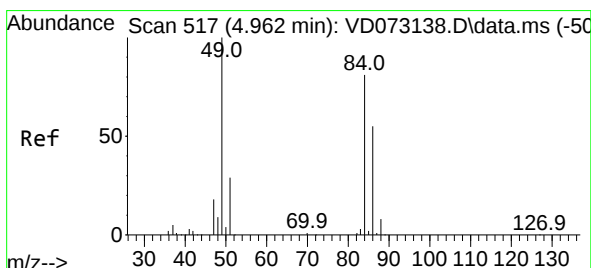
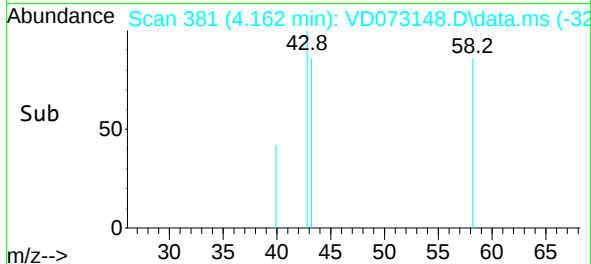
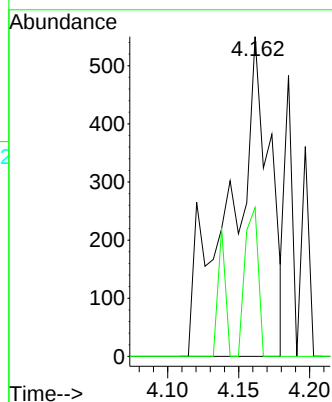
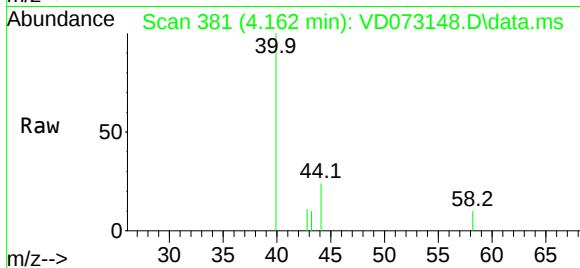
RO-211-051-SOIL

Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

43 100

58 46.5 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD073148.D

Acq: 19 May 2022 19:48

Tgt Ion: 84 Resp: 1230

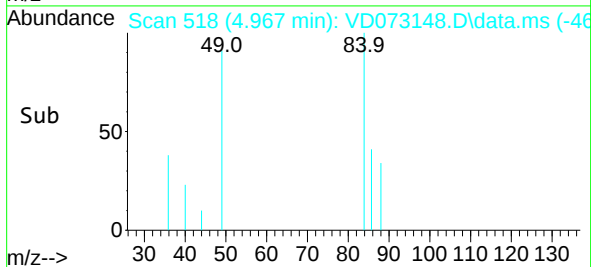
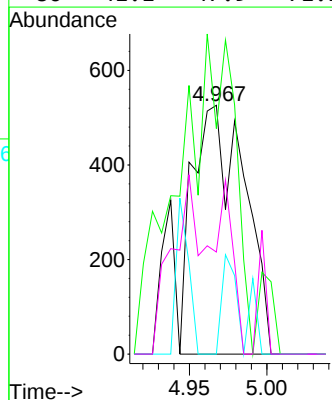
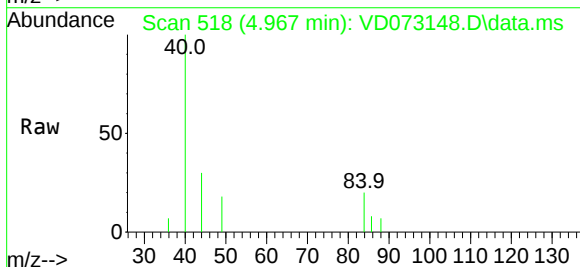
Ion Ratio Lower Upper

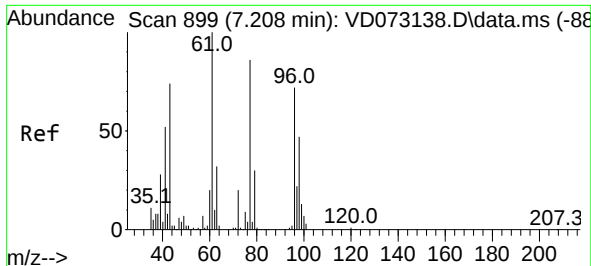
84 100

49 90.7 112.8 169.2#

51 0.0 32.6 48.8#

86 41.1 47.9 71.9#





#25

2-Butanone

Concen: 9.926 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.011 min

Lab File: VD073148.D

Acq: 19 May 2022 19:48

Instrument :

MSVOA_D

ClientSampleId :

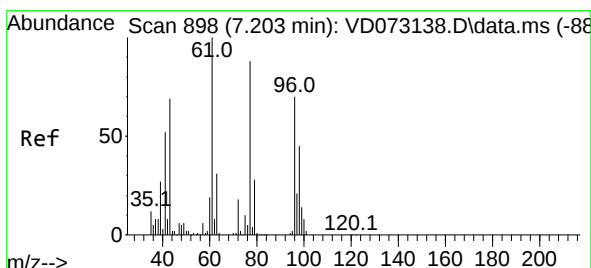
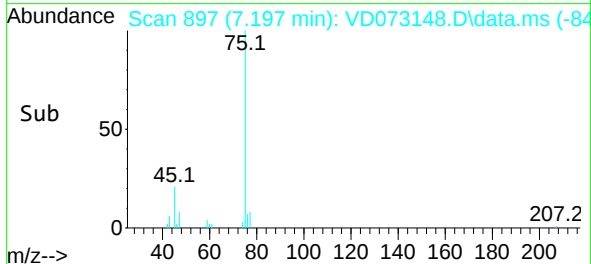
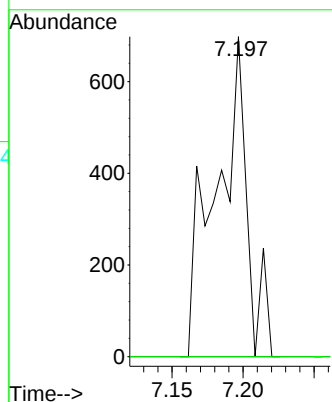
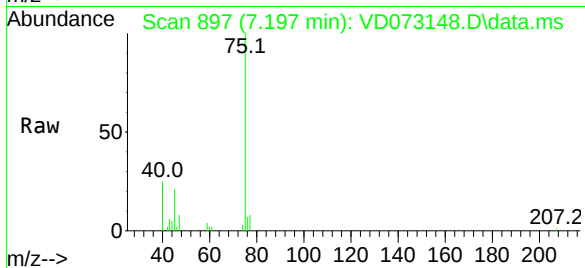
RO-211-051-SOIL

Tgt Ion: 43 Resp: 1079

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#26

2,2-Dichloropropane

Concen: 1.509 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.006 min

Lab File: VD073148.D

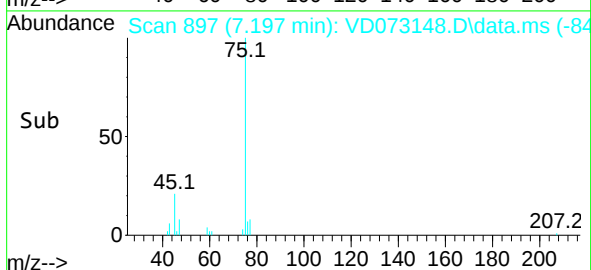
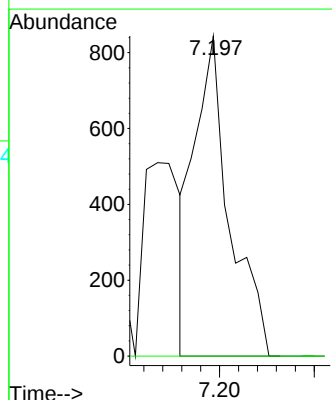
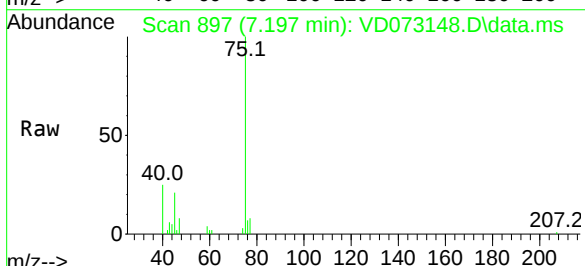
Acq: 19 May 2022 19:48

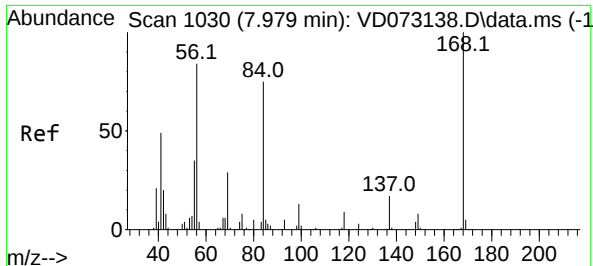
Tgt Ion: 77 Resp: 1090

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

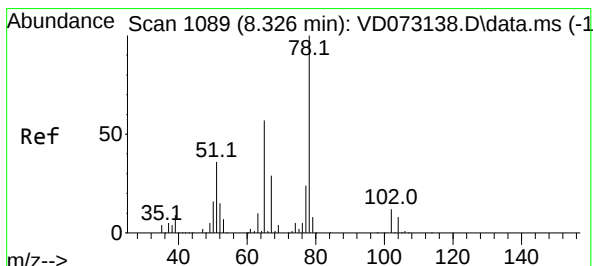
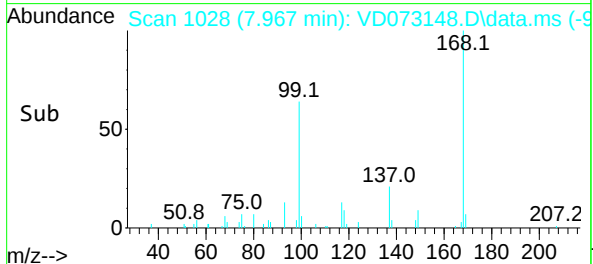
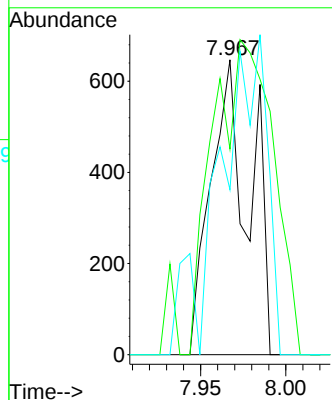
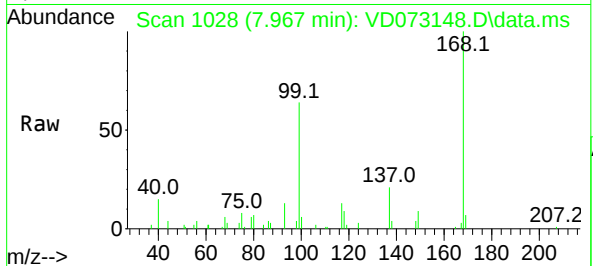




#31
Cyclohexane
Concen: 1.349 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073148.D
Acq: 19 May 2022 19:48

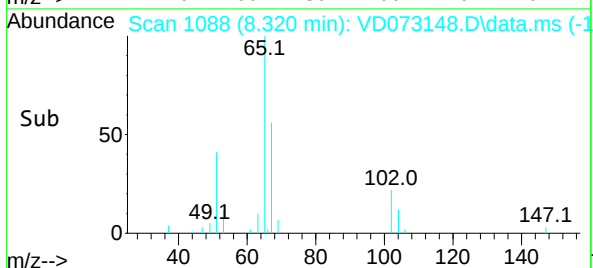
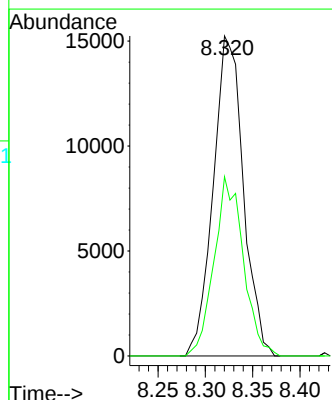
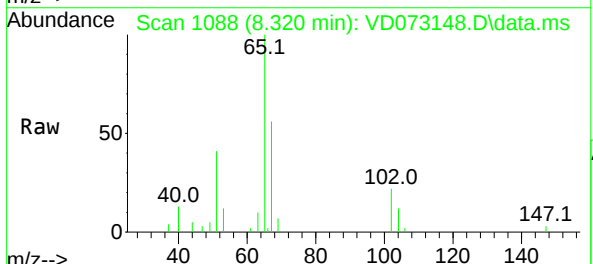
Instrument :
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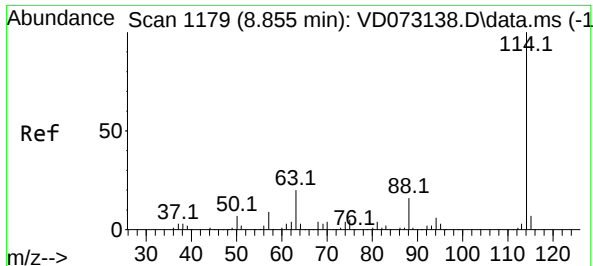
Tgt Ion: 56 Resp: 1011
Ion Ratio Lower Upper
56 100
69 69.7 25.4 38.2#
84 56.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 78.587 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073148.D
Acq: 19 May 2022 19:48

Tgt Ion: 65 Resp: 33710
Ion Ratio Lower Upper
65 100
67 54.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073148.D

Acq: 19 May 2022 19:48

Instrument :

MSVOA_D

ClientSampleId :

RO-211-051-SOIL

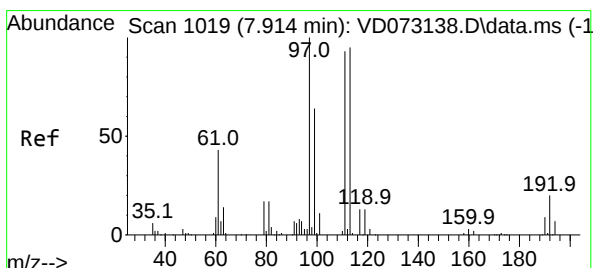
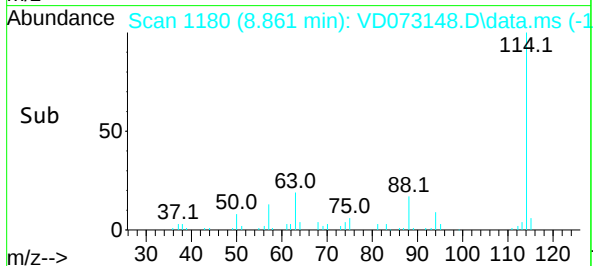
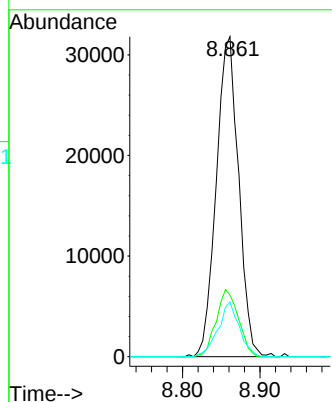
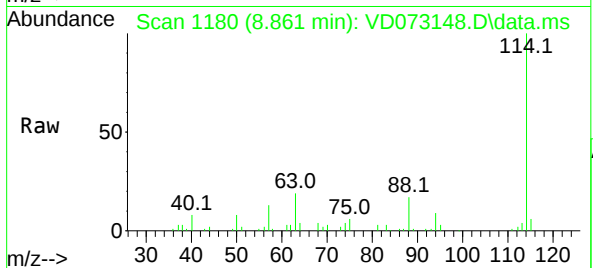
Tgt Ion:114 Resp: 63807

Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

88 17.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 68.704 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073148.D

Acq: 19 May 2022 19:48

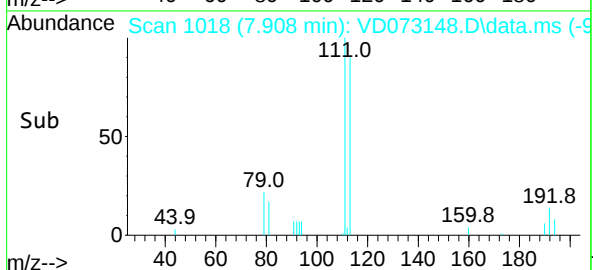
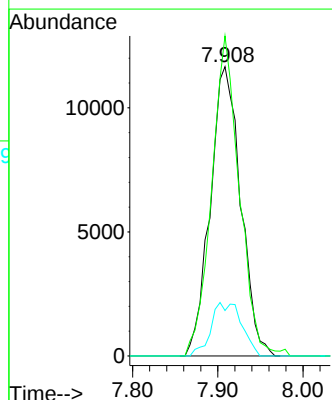
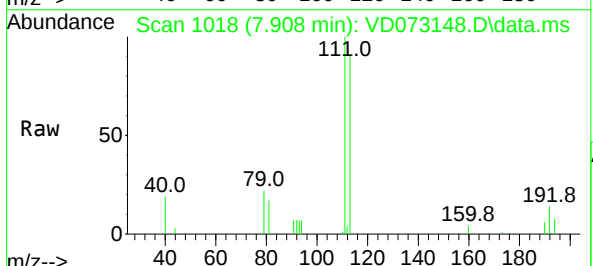
Tgt Ion:113 Resp: 28927

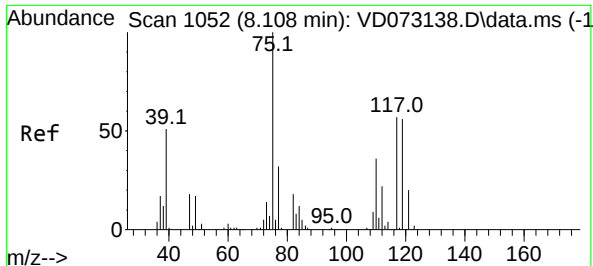
Ion Ratio Lower Upper

113 100

111 100.9 83.8 125.6

192 18.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 6.328 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073148.D

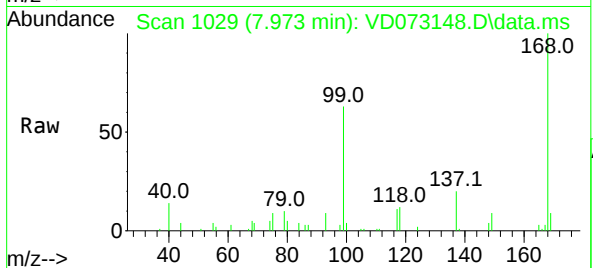
Acq: 19 May 2022 19:48

Instrument :

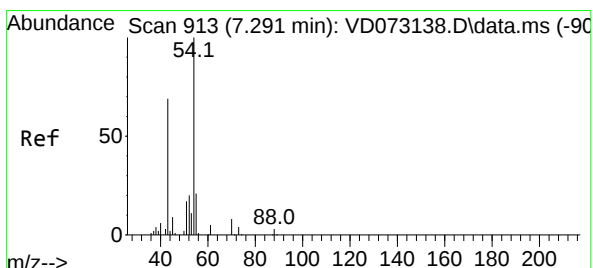
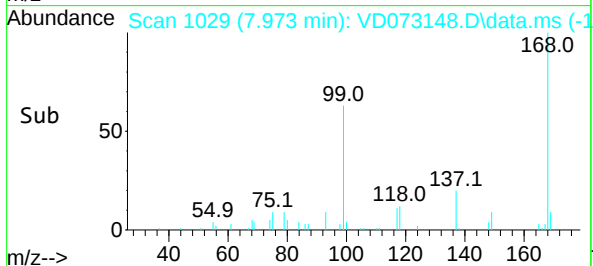
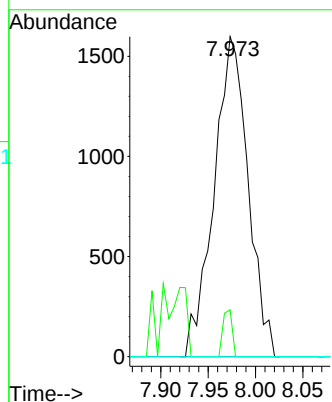
MSVOA_D

ClientSampleId :

RO-211-051-SOIL



Tgt Ion:	75	Resp:	4007
Ion	Ratio	Lower	Upper
75	100		
110	4.0	16.4	49.1#
77	0.0	24.2	36.2#



#37

Ethyl Acetate

Concen: 4.314 ug/l

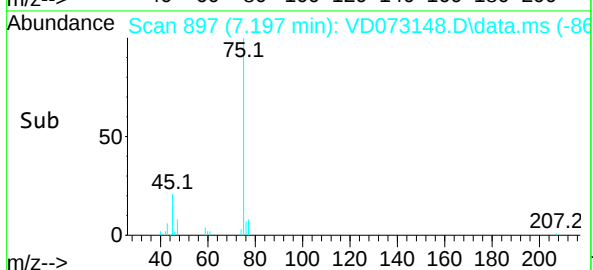
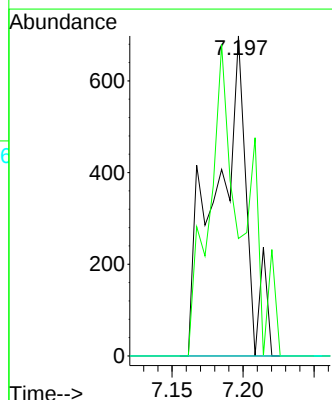
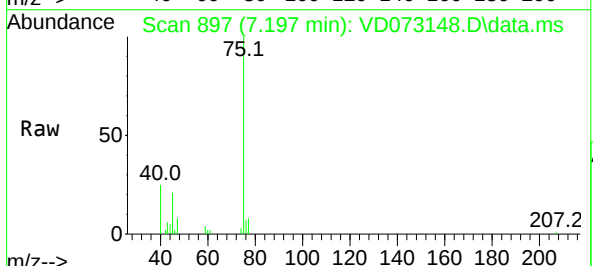
RT: 7.197 min Scan# 897

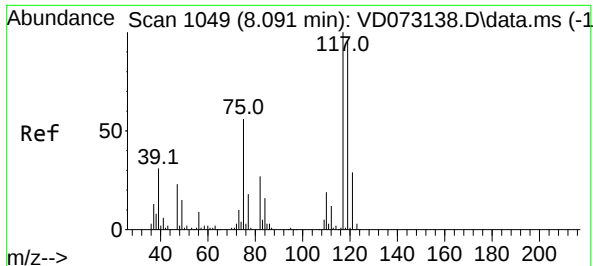
Delta R.T. -0.094 min

Lab File: VD073148.D

Acq: 19 May 2022 19:48

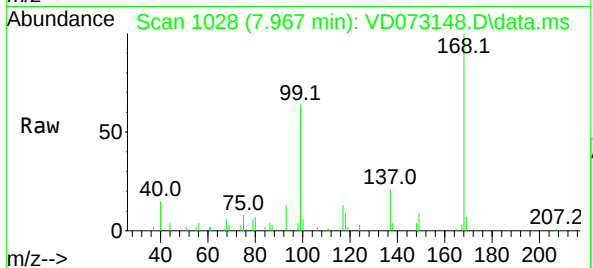
Tgt Ion:	43	Resp:	1079
Ion	Ratio	Lower	Upper
43	100		
61	103.5	9.8	14.8#
70	0.0	6.9	10.3#



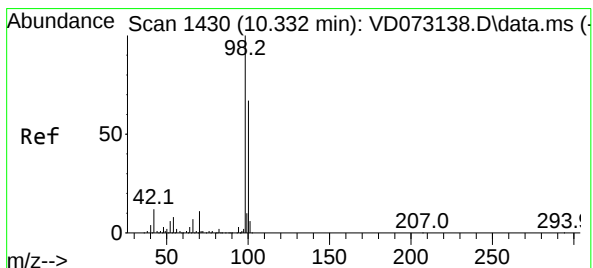
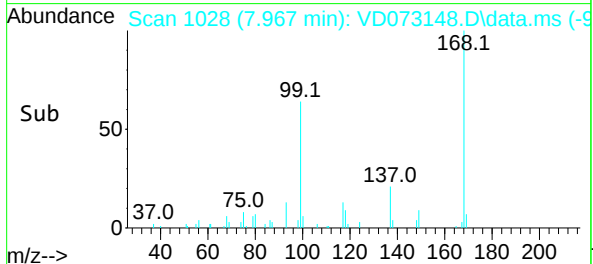
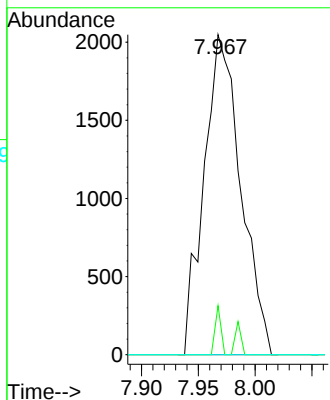


#38
Carbon Tetrachloride
Concen: 7.202 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073148.D
Acq: 19 May 2022 19:48

Instrument :
MSVOA_D
ClientSampleId :
RO-211-051-SOIL

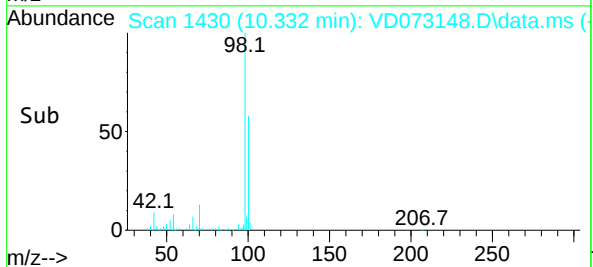
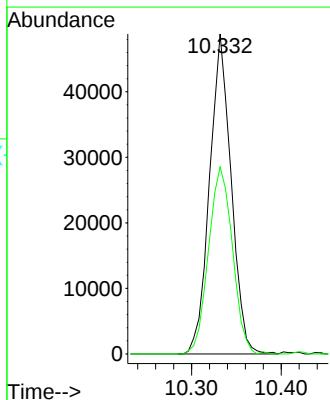
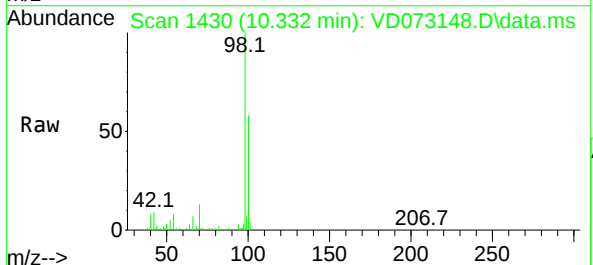


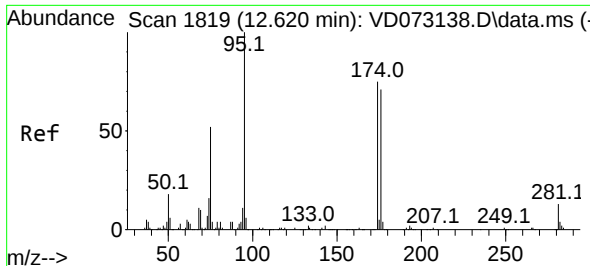
Tgt Ion:117 Resp: 4623
Ion Ratio Lower Upper
117 100
119 15.3 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.477 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073148.D
Acq: 19 May 2022 19:48

Tgt Ion: 98 Resp: 81448
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6

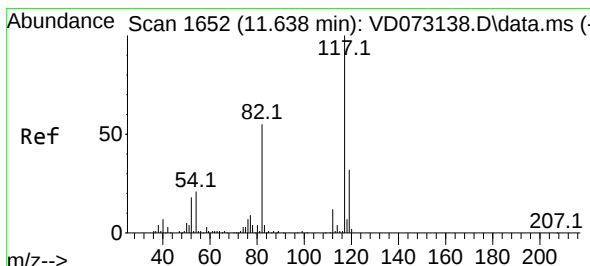
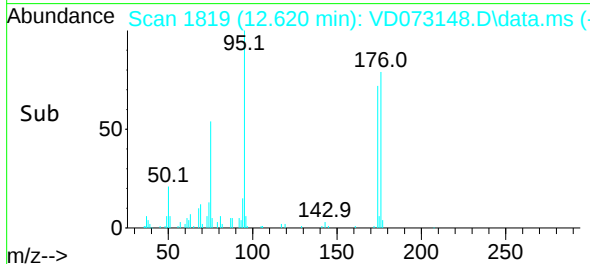
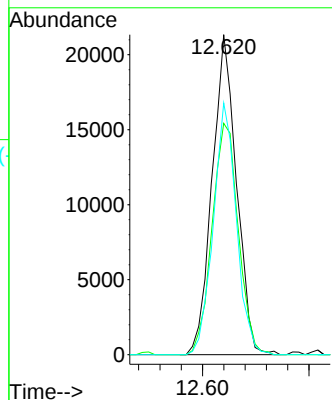
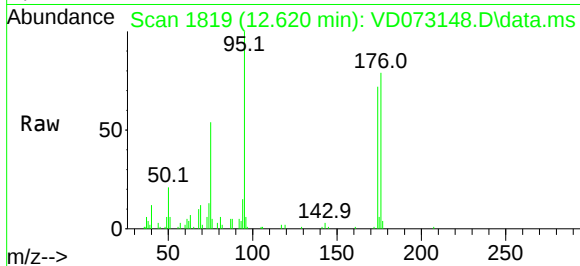




#62
4-Bromofluorobenzene
Concen: 62.049 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073148.D
Acq: 19 May 2022 19:48

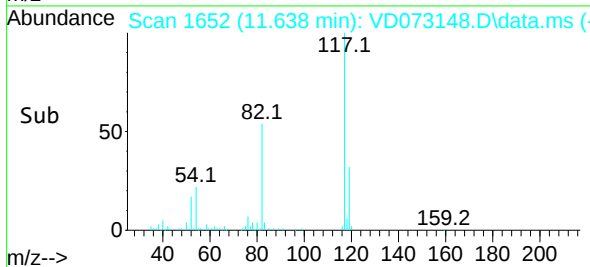
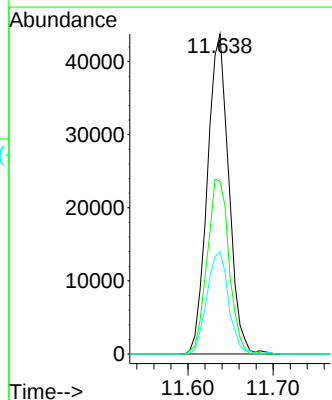
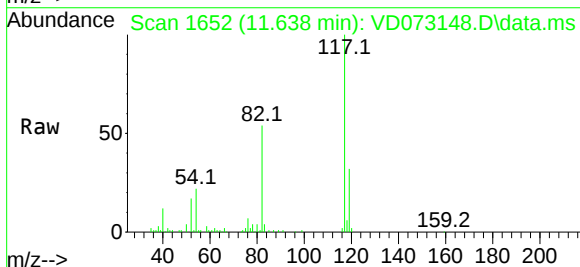
Instrument :
MSVOA_D
ClientSampleId :
RO-211-051-SOIL

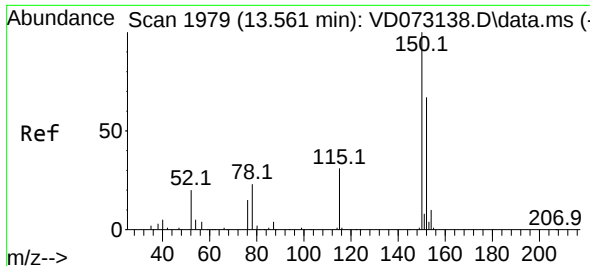
Tgt Ion:	95	Resp:	33797
Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	152.8
176	74.6	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073148.D
Acq: 19 May 2022 19:48

Tgt Ion:	117	Resp:	76328
Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.3	67.9
119	31.9	26.6	40.0

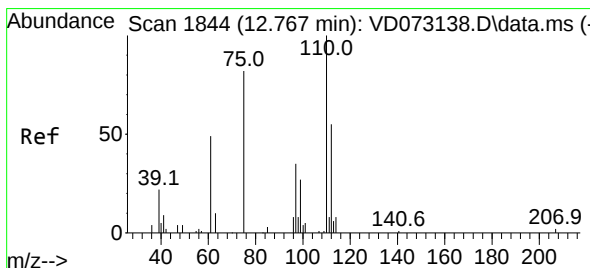
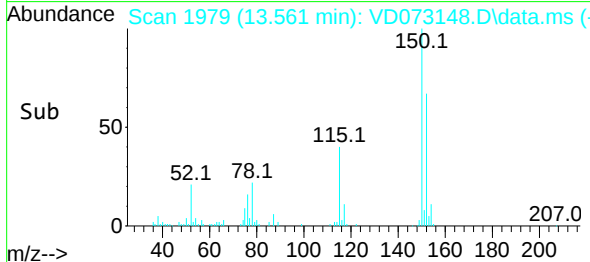
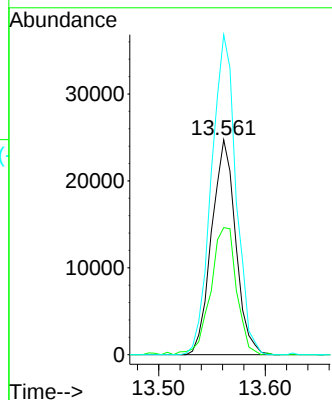
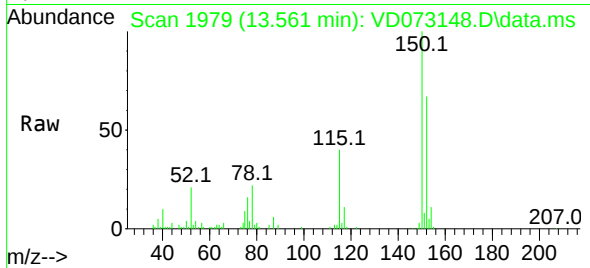




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073148.D
 Acq: 19 May 2022 19:48

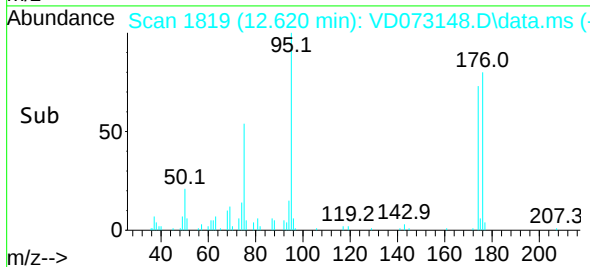
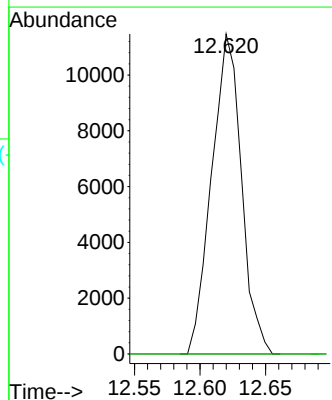
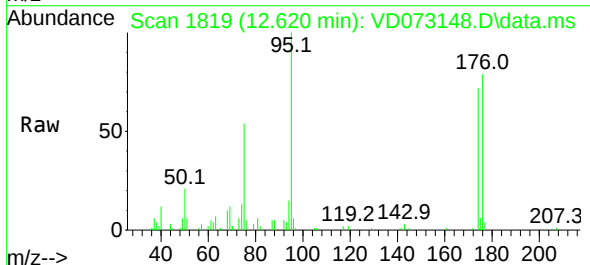
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-211-051-SOIL

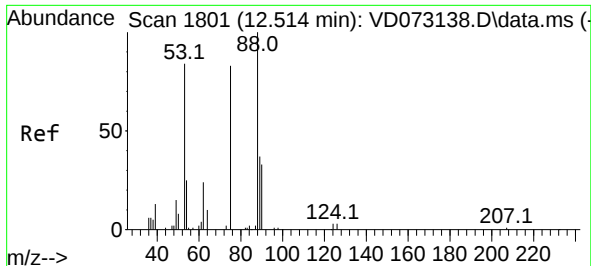
Tgt Ion:152 Resp: 38706
 Ion Ratio Lower Upper
 152 100
 115 64.0 31.3 93.8
 150 152.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 47.642 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073148.D
 Acq: 19 May 2022 19:48

Tgt Ion: 75 Resp: 18093
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

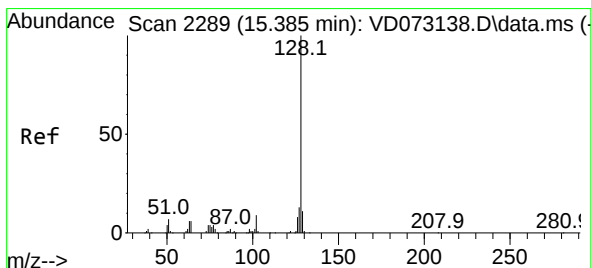
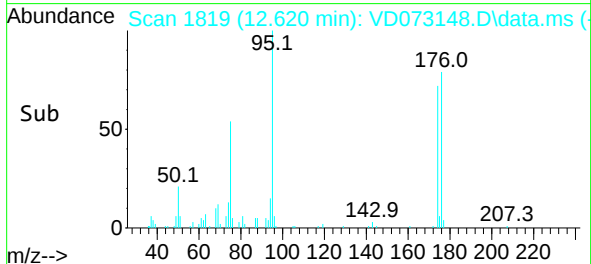
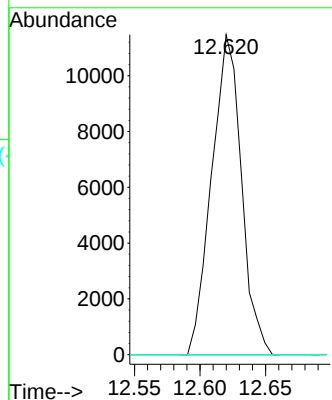
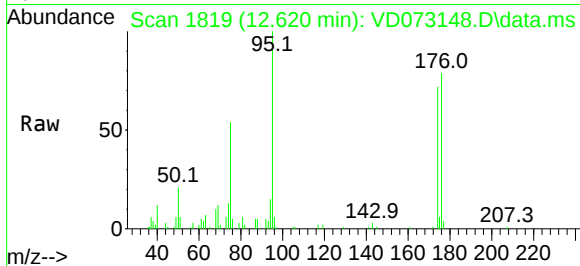




#81
trans-1,4-Dichloro-2-butene
Concen: 114.373 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073148.D
Acq: 19 May 2022 19:48

Instrument :
MSVOA_D
ClientSampleId :
RO-211-051-SOIL

Tgt Ion: 75 Resp: 18093
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.200 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073148.D
Acq: 19 May 2022 19:48

Tgt Ion: 128 Resp: 898
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

