

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032724\
 Data File : VX040813.D
 Acq On : 27 Mar 2024 15:10
 Operator : JC/MD
 Sample : P1869-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-4

Quant Time: Mar 28 03:56:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:44:48 2024
 Response via : Initial Calibration

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

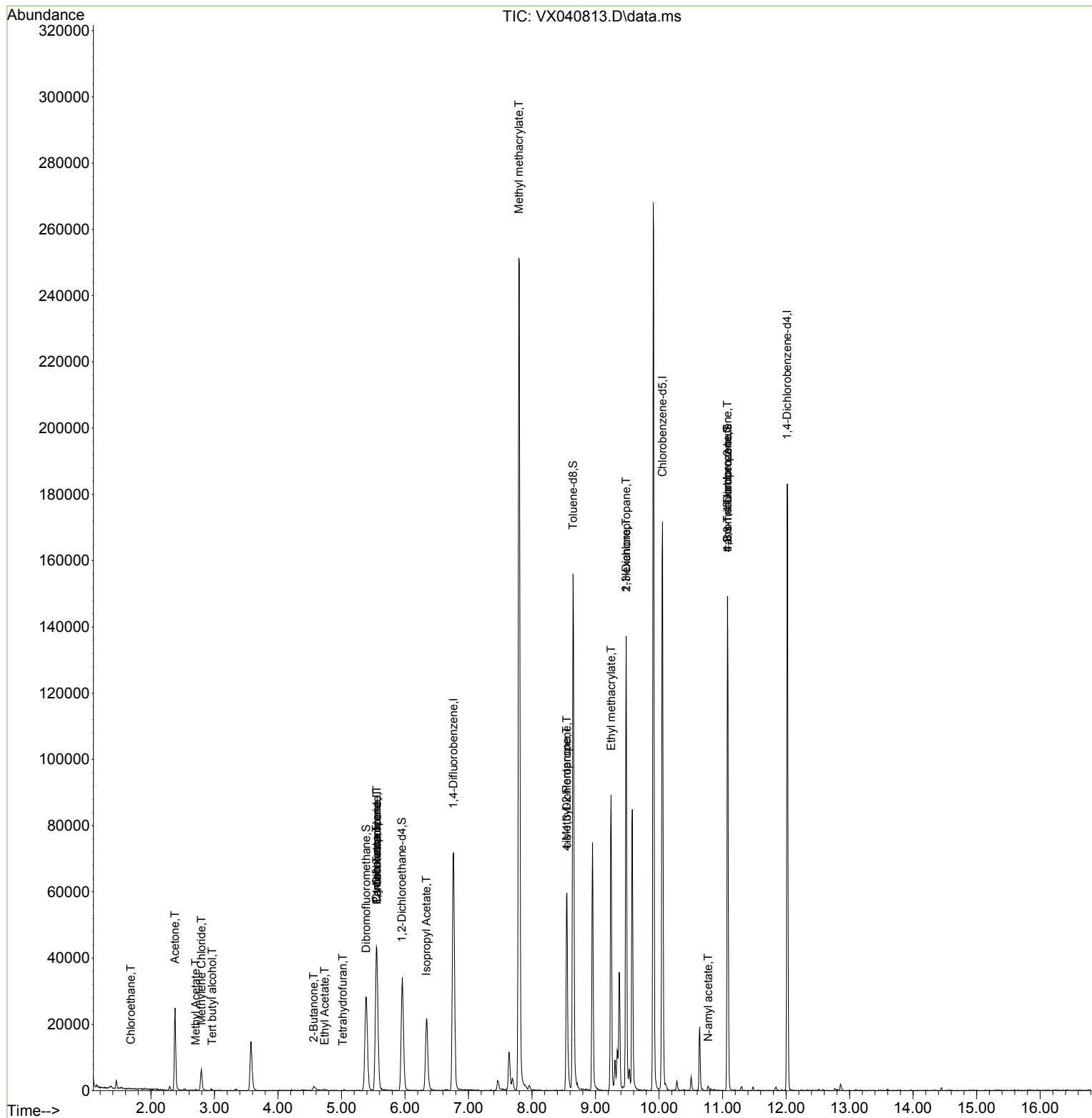
Internal Standards						
1) Pentafluorobenzene	5.556	168	37945	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	70838	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	71561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	33521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	33481	52.476	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.960%			
35) Dibromofluoromethane	5.385	113	23999	45.277	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.560%			
50) Toluene-d8	8.647	98	89565	49.349	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.700%			
62) 4-Bromofluorobenzene	11.079	95	37829	52.756	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.520%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.684	64	170	0.509	ug/l #	43
11) Tert butyl alcohol	2.965	59	484	4.737	ug/l #	78
16) Acetone	2.379	43	25353	112.185	ug/l	96
18) Methyl Acetate	2.703	43	422	0.697	ug/l #	53
20) Methylene Chloride	2.794	84	2708	5.482	ug/l #	92
25) 2-Butanone	4.562	43	2494	7.046	ug/l	98
29) Tetrahydrofuran	5.019	42	90	0.382	ug/l #	34
31) Cyclohexane	5.550	56	1131	1.492	ug/l #	59
36) 1,1-Dichloropropene	5.556	75	3530	4.523	ug/l #	47
37) Ethyl Acetate	4.733	43	924	1.043	ug/l #	69
38) Carbon Tetrachloride	5.556	117	4177	4.755	ug/l #	11
43) Isopropyl Acetate	6.336	43	30804	22.135	ug/l	96
48) Methyl methacrylate	7.793	41	24858	39.081	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	24281	28.135	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	8923	10.193	ug/l #	73
56) Ethyl methacrylate	9.244	69	234	0.267	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1110	1.243	ug/l #	42
59) 2-Hexanone	9.482	43	16222	24.264	ug/l #	53
74) N-amyl acetate	10.774	43	891	0.711	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	21727	30.137	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	21727	76.240	ug/l #	5

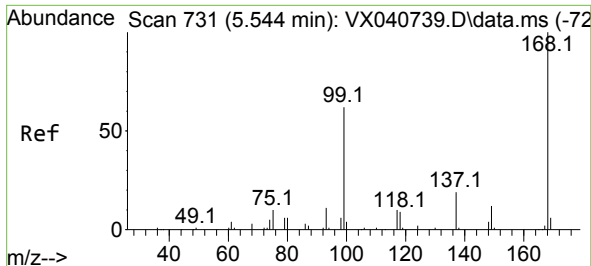
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
Quant Title : SW846 8260
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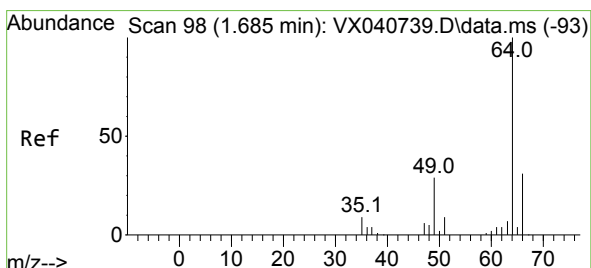
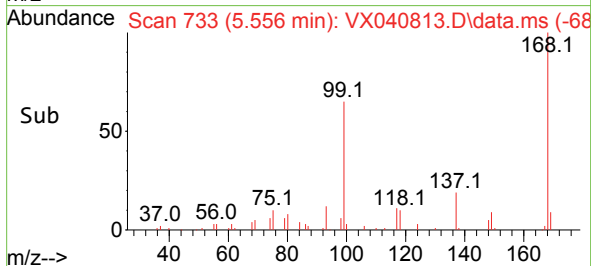
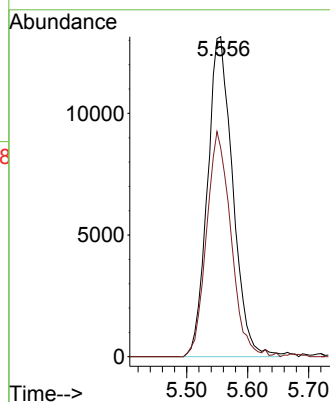
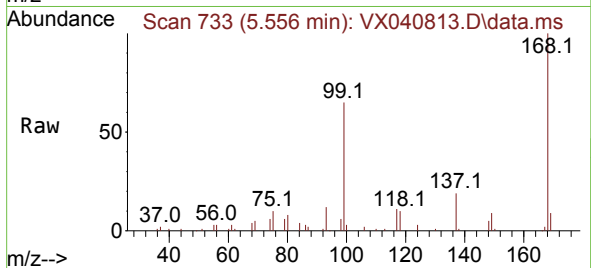




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

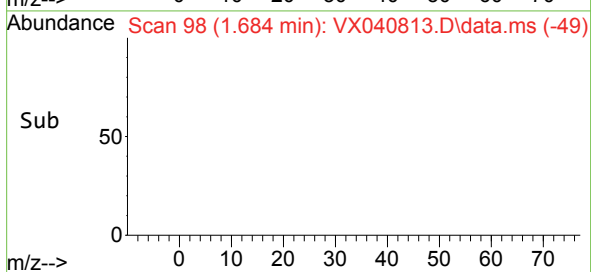
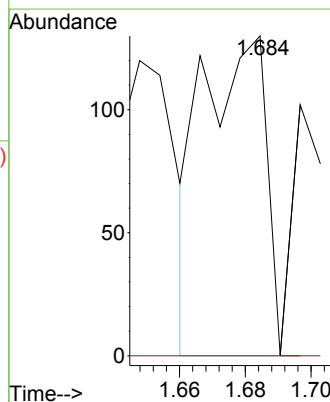
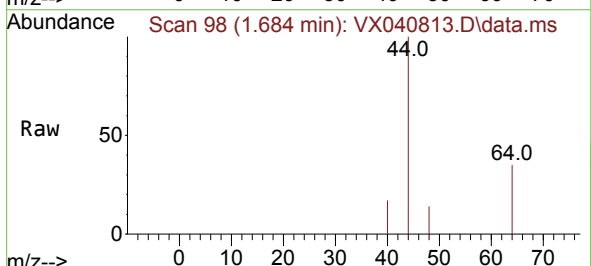
Instrument :
MSVOA_X
ClientSampleId :
SOIL-4

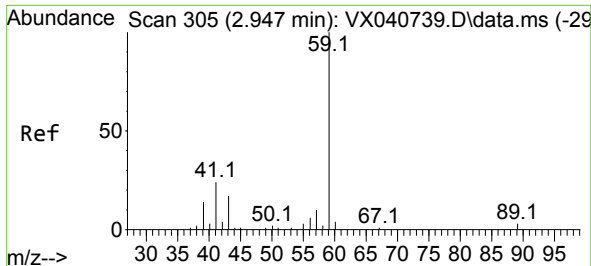
Tgt Ion:168 Resp: 37945
Ion Ratio Lower Upper
168 100
99 65.2 56.6 85.0



#6
Chloroethane
Concen: 0.509 ug/l
RT: 1.684 min Scan# 98
Delta R.T. -0.001 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

Tgt Ion: 64 Resp: 170
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 4.737 ug/l

RT: 2.965 min Scan# 30

Delta R.T. 0.018 min

Lab File: VX040813.D

Acq: 27 Mar 2024 15:10

Instrument :

MSVOA_X

ClientSampleId :

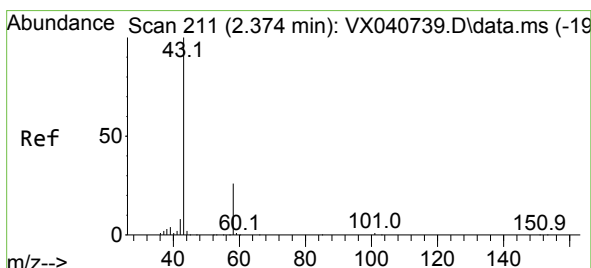
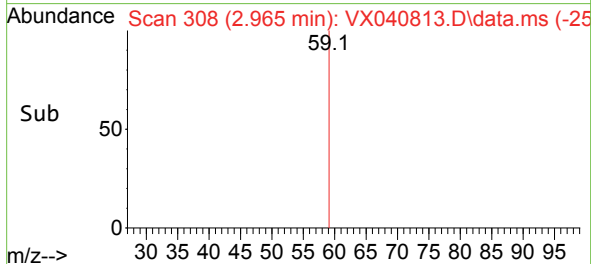
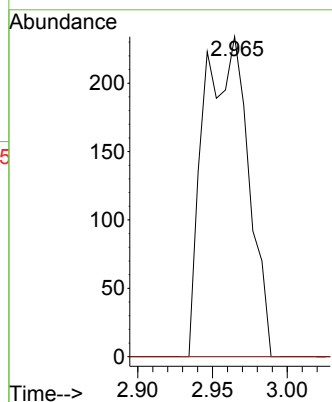
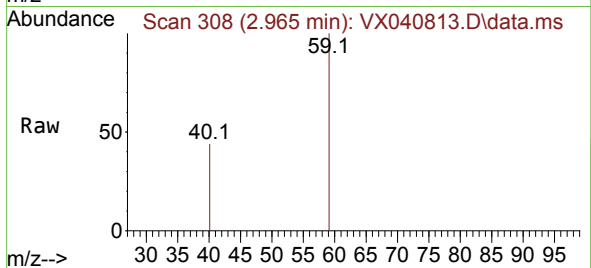
SOIL-4

Tgt Ion: 59 Resp: 484

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 112.185 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.005 min

Lab File: VX040813.D

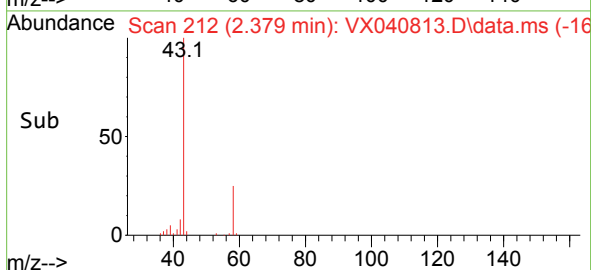
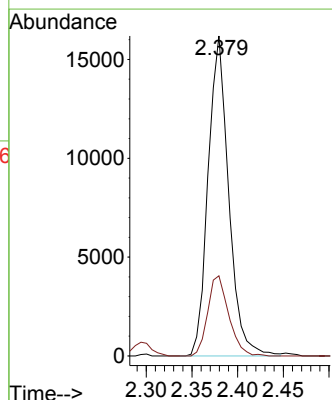
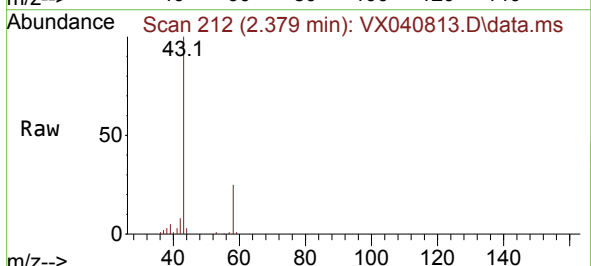
Acq: 27 Mar 2024 15:10

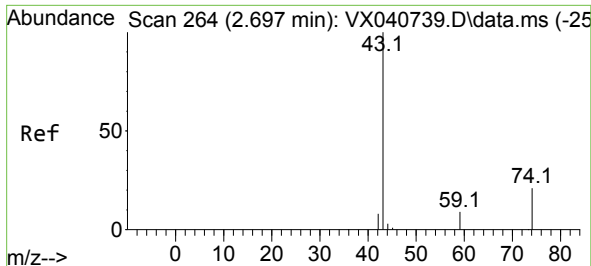
Tgt Ion: 43 Resp: 25353

Ion Ratio Lower Upper

43 100

58 25.1 21.9 32.9

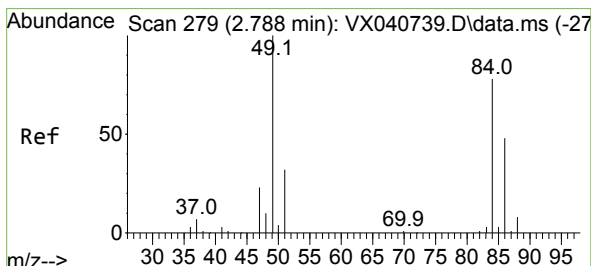
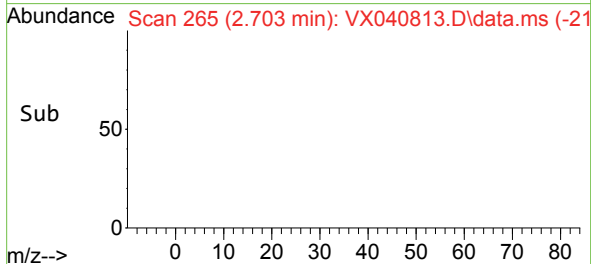
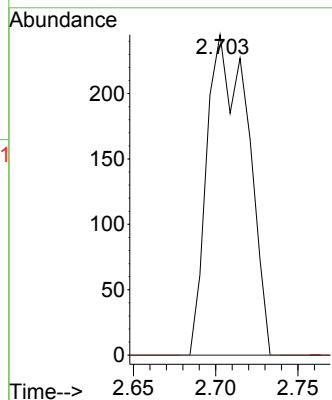
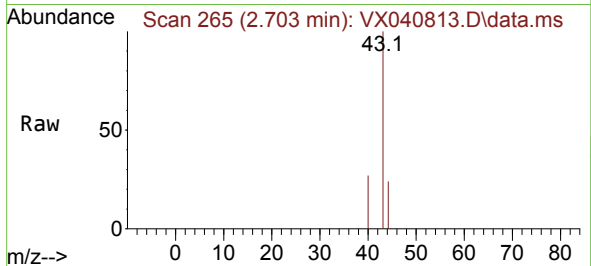




#18
Methyl Acetate
Concen: 0.697 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

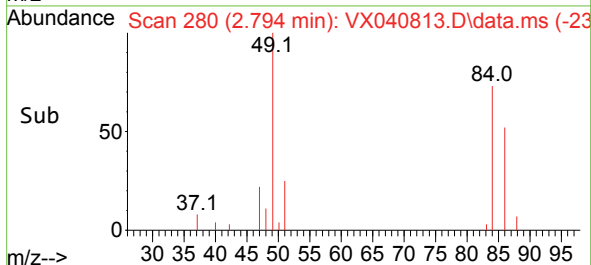
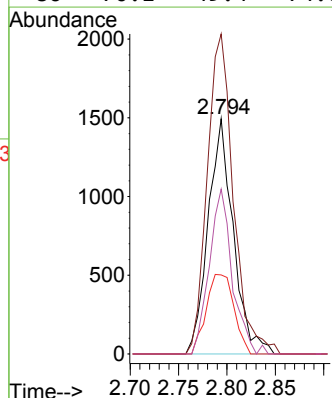
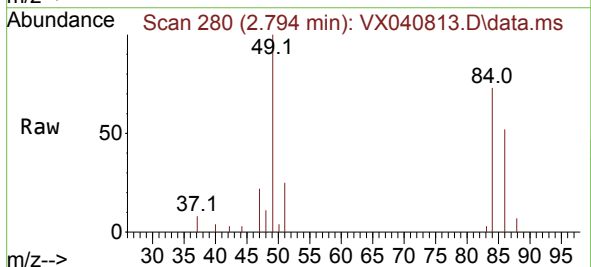
Instrument :
MSVOA_X
ClientSampleId :
SOIL-4

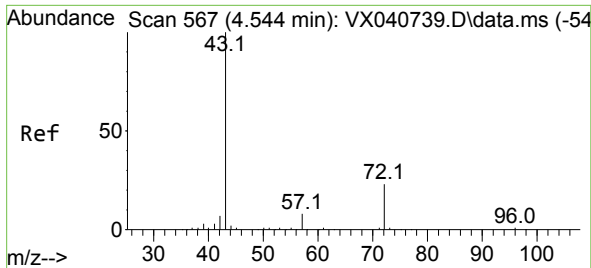
Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 5.482 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

Tgt Ion: 84 Resp: 2708
Ion Ratio Lower Upper
84 100
49 136.1 103.6 155.4
51 33.6 33.8 50.6#
86 70.1 49.4 74.0

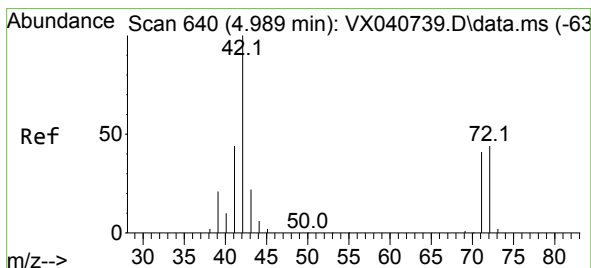
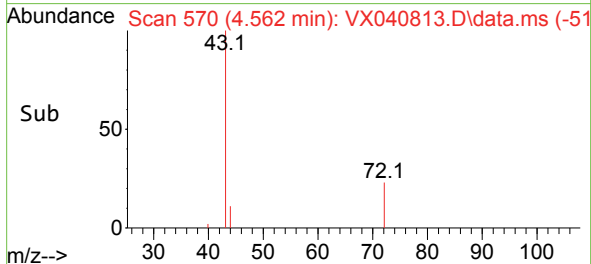
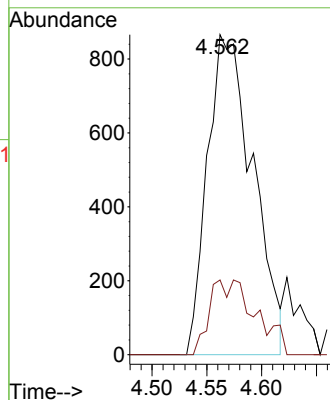
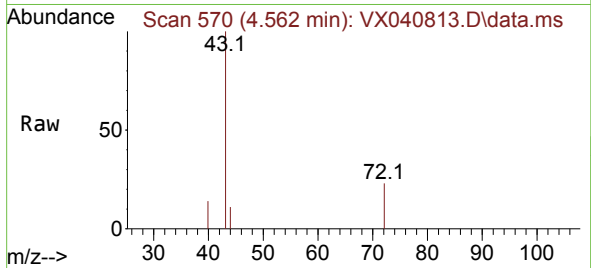




#25
2-Butanone
Concen: 7.046 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

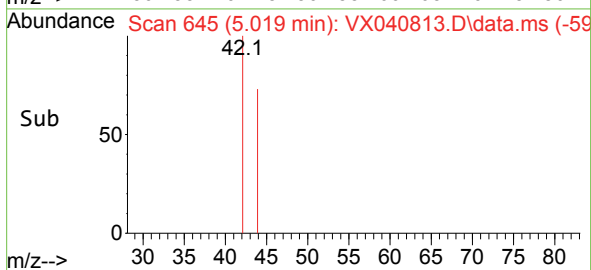
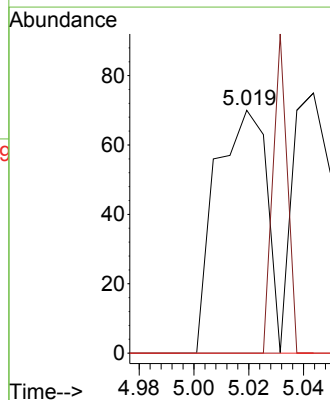
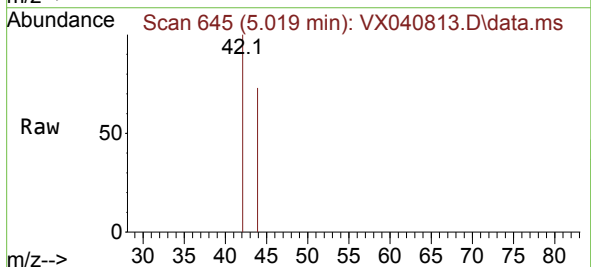
Instrument :
MSVOA_X
ClientSampleId :
SOIL-4

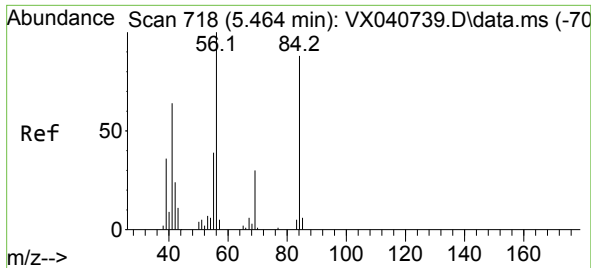
Tgt Ion: 43 Resp: 2494
Ion Ratio Lower Upper
43 100
72 23.3 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.382 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.030 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

Tgt Ion: 42 Resp: 90
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#

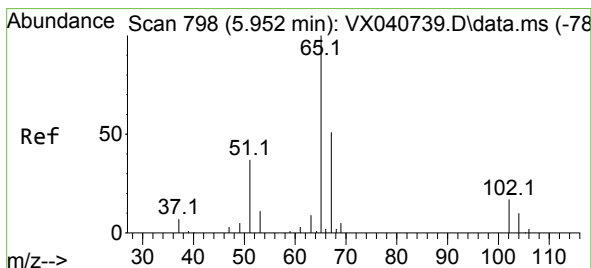
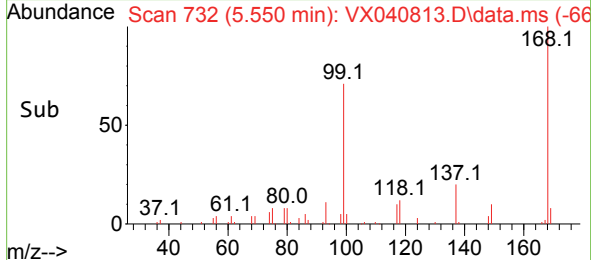
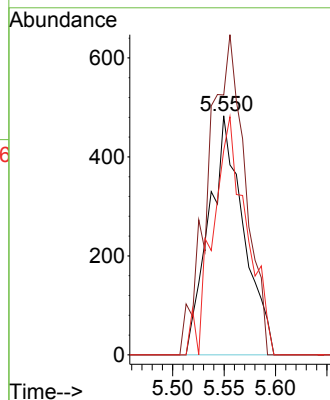
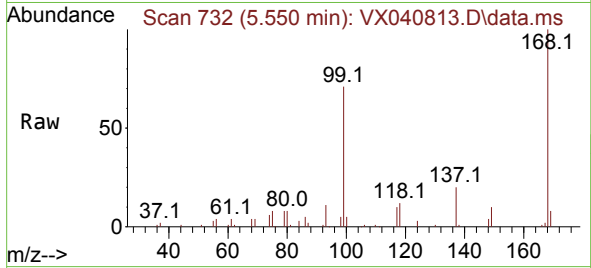




#31
Cyclohexane
Concen: 1.492 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

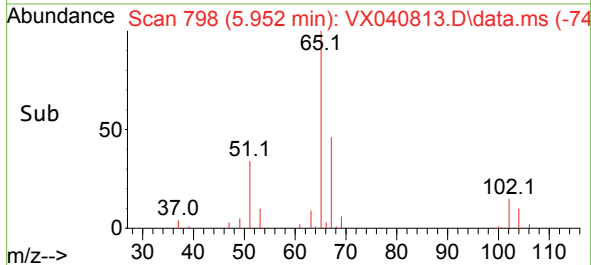
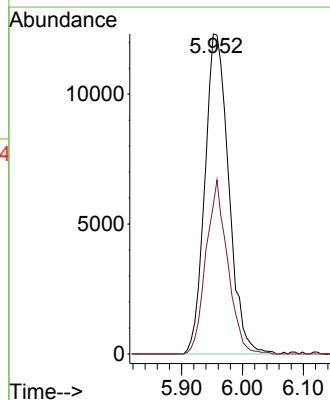
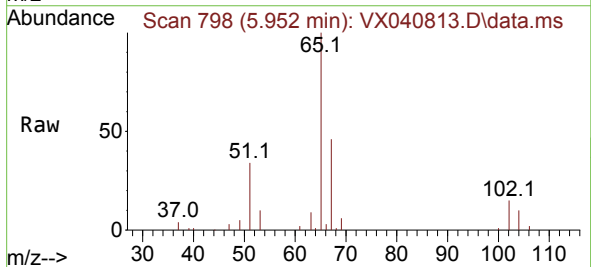
Instrument :
MSVOA_X
ClientSampleId :
SOIL-4

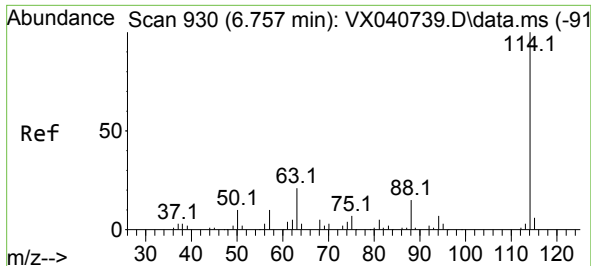
Tgt Ion: 56 Resp: 1131
Ion Ratio Lower Upper
56 100
69 108.7 23.4 35.2#
84 85.5 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 52.476 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

Tgt Ion: 65 Resp: 33481
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX040813.D

Acq: 27 Mar 2024 15:10

Instrument :

MSVOA_X

ClientSampleId :

SOIL-4

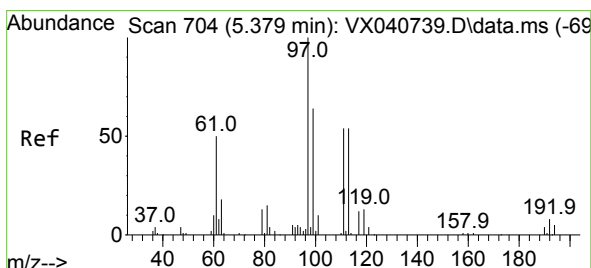
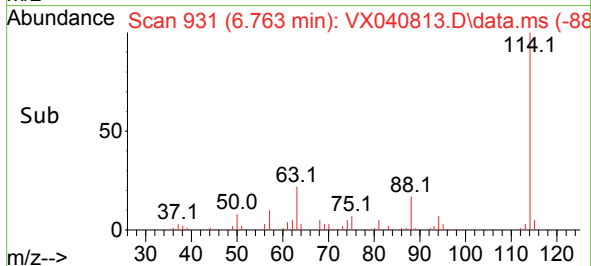
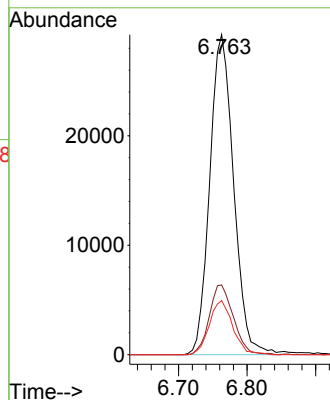
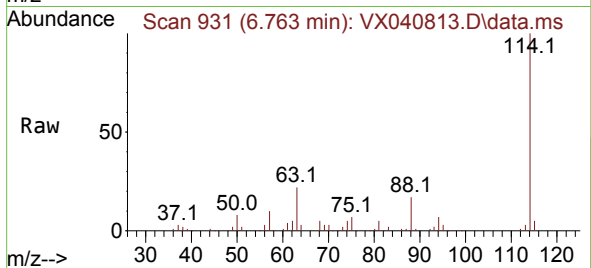
Tgt Ion:114 Resp: 70838

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.0

88 16.9 0.0 36.6



#35

Dibromofluoromethane

Concen: 45.277 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX040813.D

Acq: 27 Mar 2024 15:10

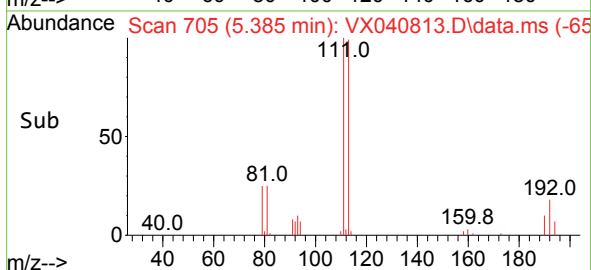
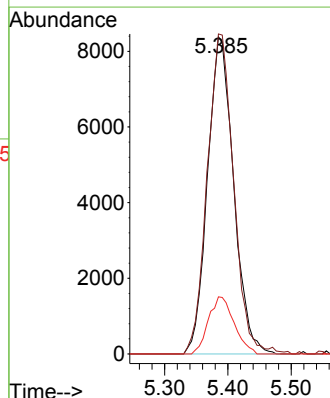
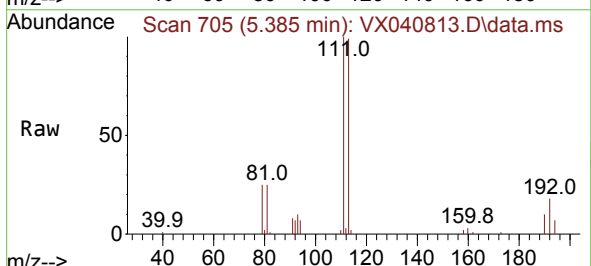
Tgt Ion:113 Resp: 23999

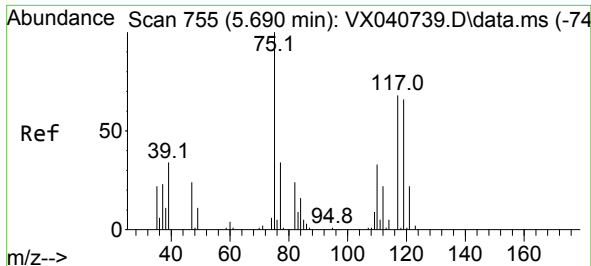
Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

192 17.7 13.3 19.9

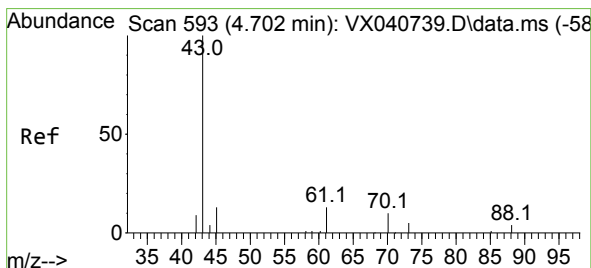
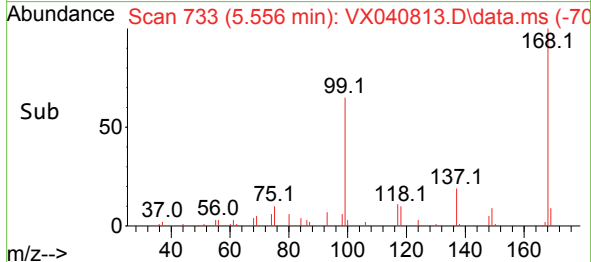
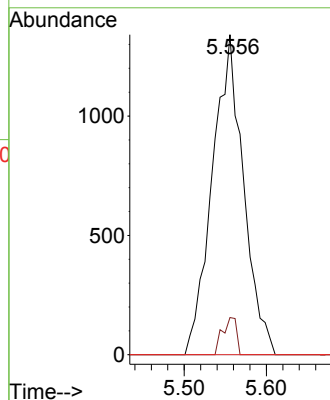
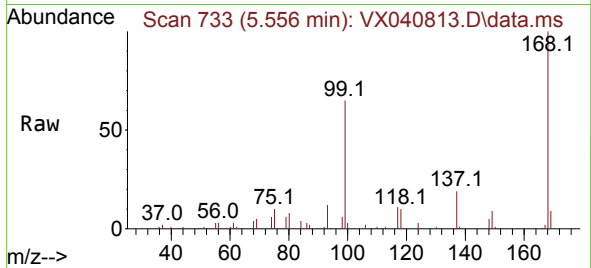




#36
1,1-Dichloropropene
Concen: 4.523 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

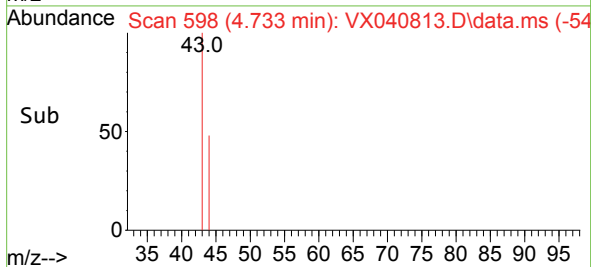
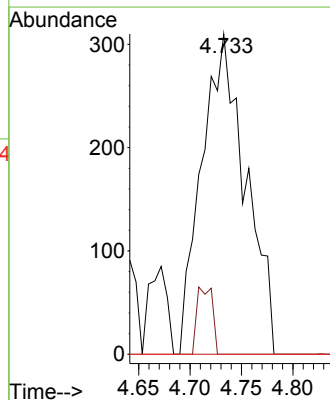
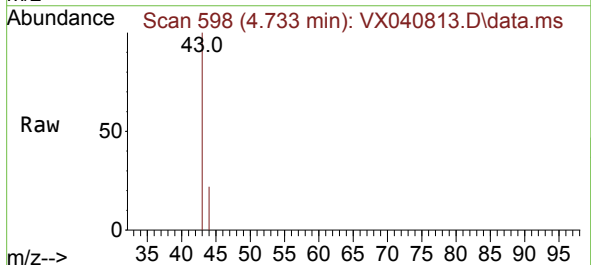
Instrument :
MSVOA_X
ClientSampleId :
SOIL-4

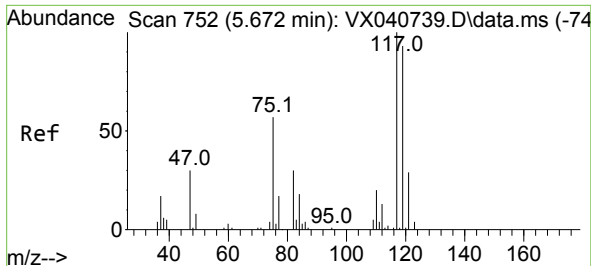
Tgt Ion: 75 Resp: 3530
Ion Ratio Lower Upper
75 100
110 5.2 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.043 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.030 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

Tgt Ion: 43 Resp: 924
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#

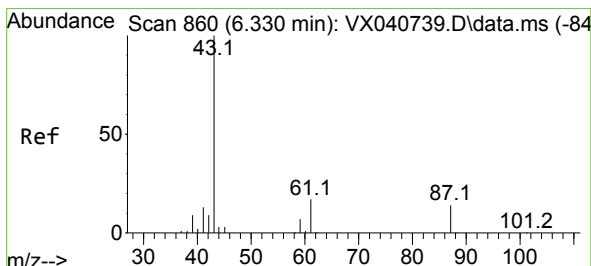
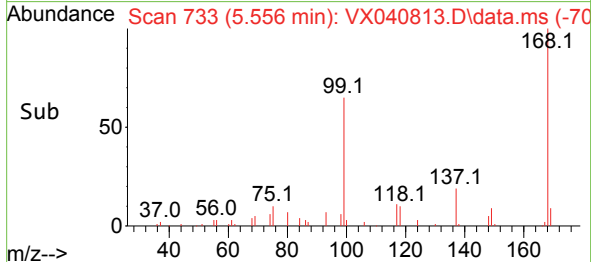
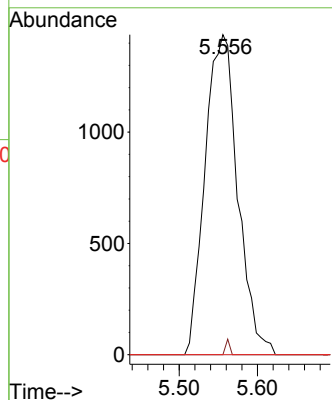
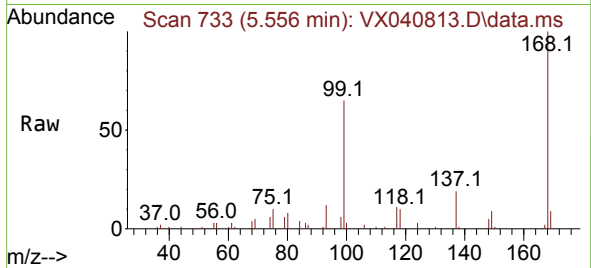




#38
Carbon Tetrachloride
Concen: 4.755 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

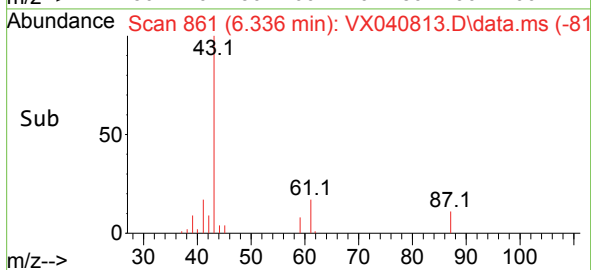
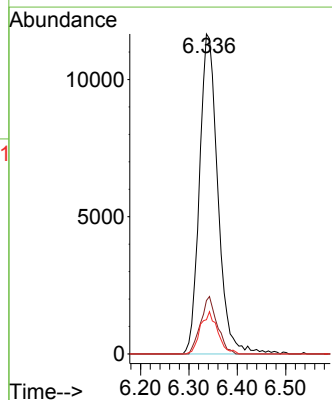
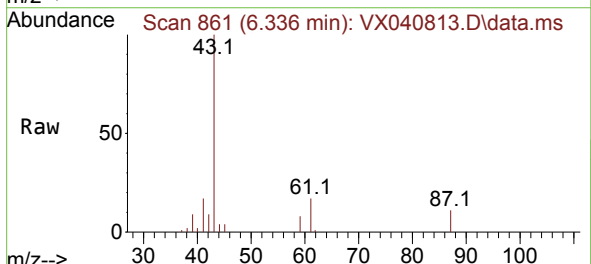
Instrument :
MSVOA_X
ClientSampleId :
SOIL-4

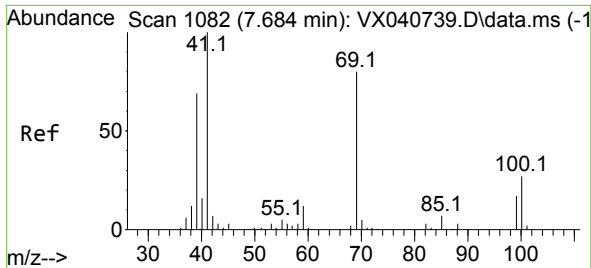
Tgt Ion:117 Resp: 4177
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 22.135 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

Tgt Ion: 43 Resp: 30804
Ion Ratio Lower Upper
43 100
61 16.1 15.2 22.8
87 12.4 9.8 14.6

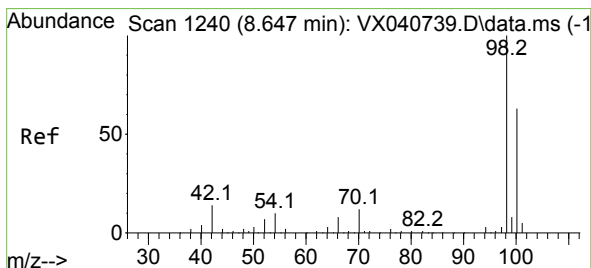
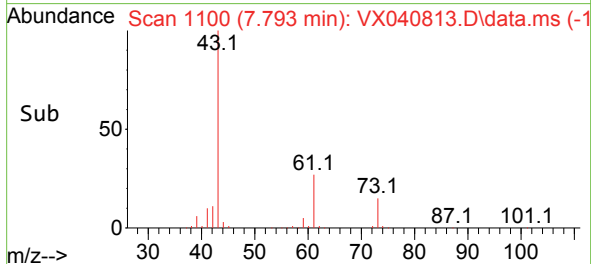
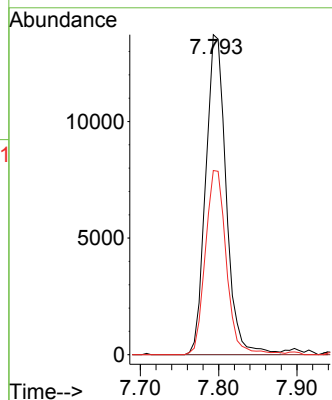
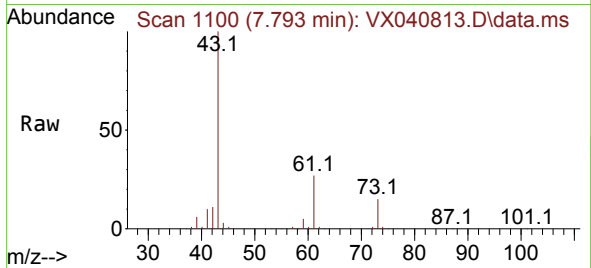




#48
Methyl methacrylate
Concen: 39.081 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

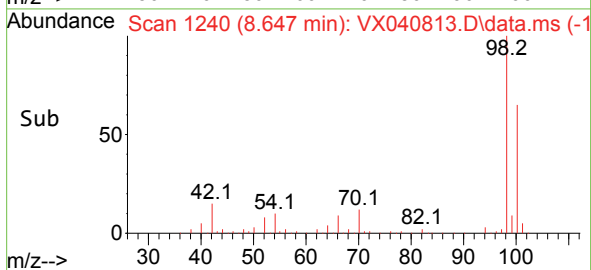
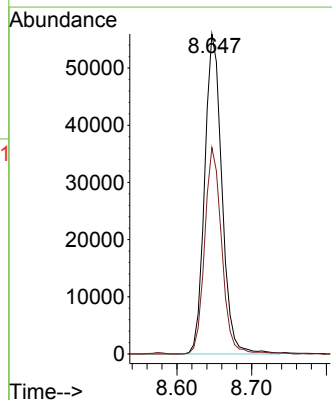
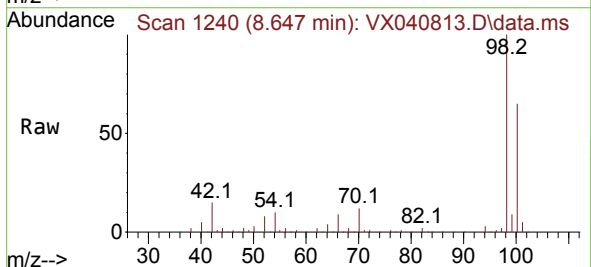
Instrument :
MSVOA_X
ClientSampleId :
SOIL-4

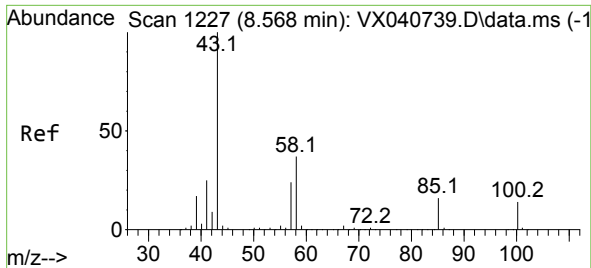
Tgt Ion: 41 Resp: 24858
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 59.2 47.7 71.5



#50
Toluene-d8
Concen: 49.349 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

Tgt Ion: 98 Resp: 89565
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

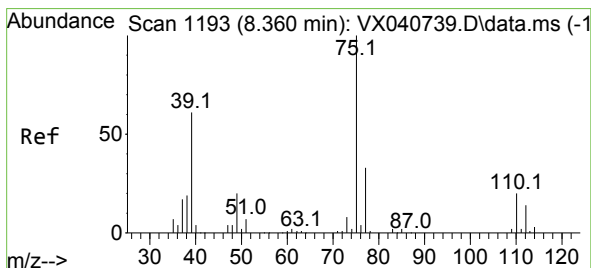
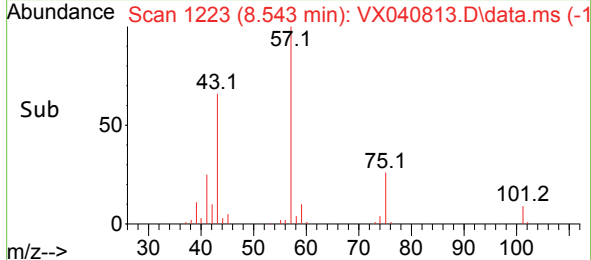
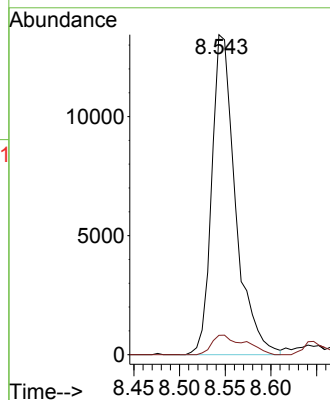
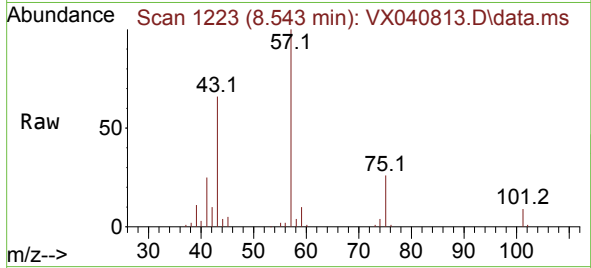




#51
4-Methyl-2-Pentanone
Concen: 28.135 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

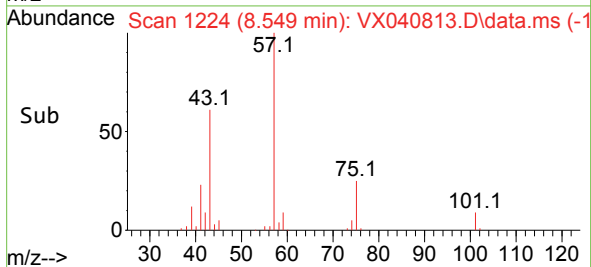
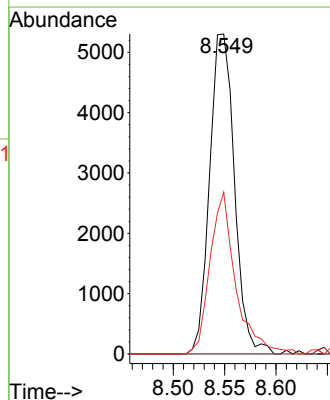
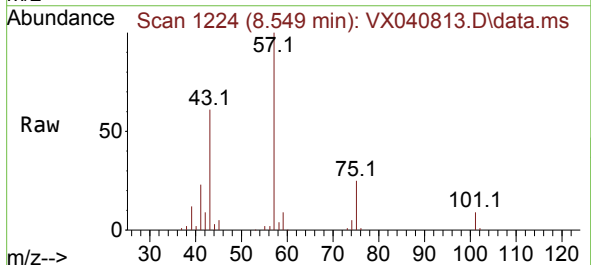
Instrument :
MSVOA_X
ClientSampleId :
SOIL-4

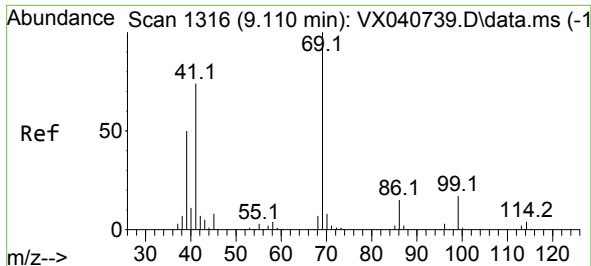
Tgt Ion: 43 Resp: 24281
Ion Ratio Lower Upper
43 100
58 8.5 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 10.193 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

Tgt Ion: 75 Resp: 8923
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 50.6 46.7 70.1

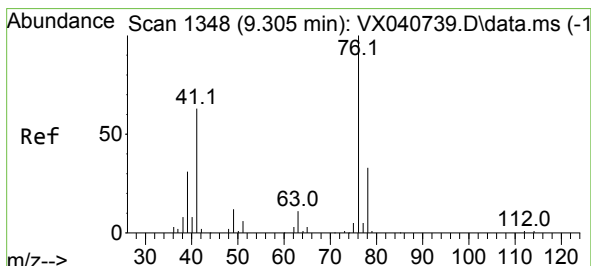
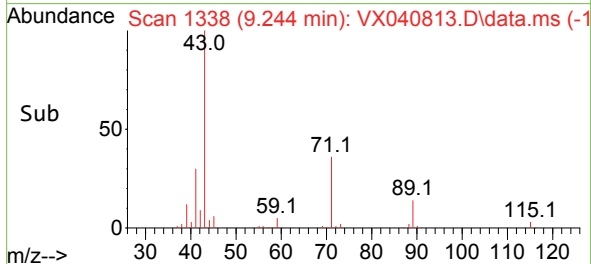
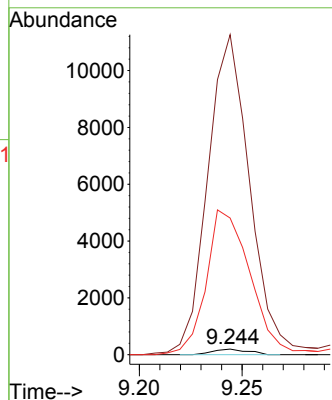
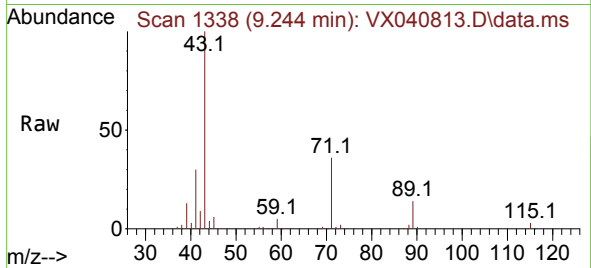




#56
Ethyl methacrylate
Concen: 0.267 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

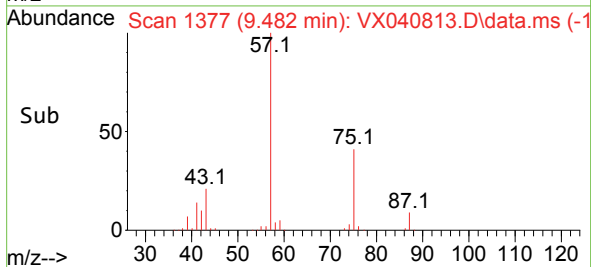
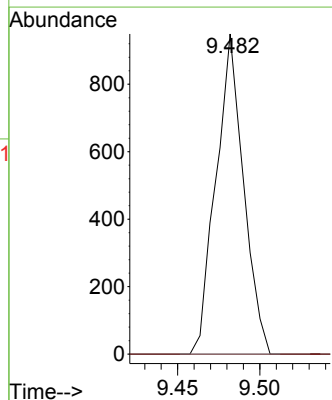
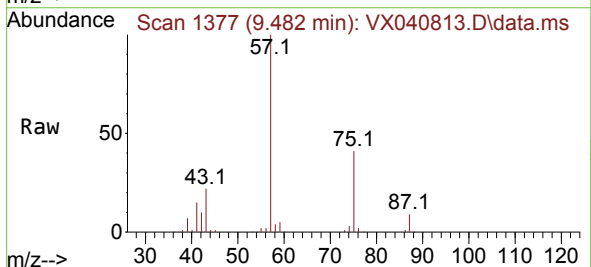
Instrument :
MSVOA_X
ClientSampleId :
SOIL-4

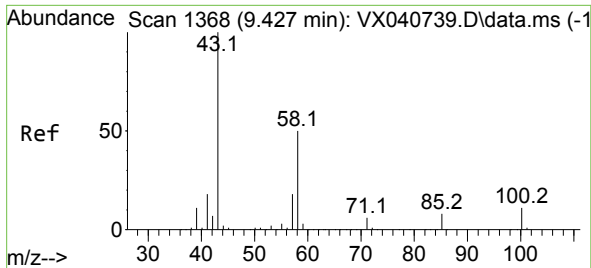
Tgt Ion: 69 Resp: 234
Ion Ratio Lower Upper
69 100
41 6900.9 56.8 85.2#
39 3250.0 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.243 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

Tgt Ion: 76 Resp: 1110
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

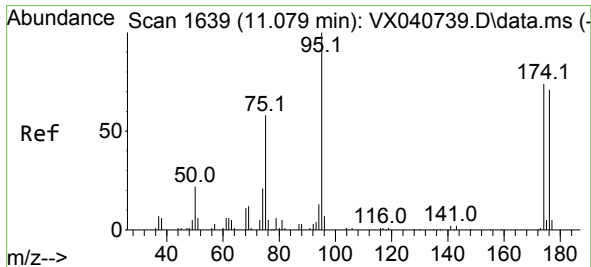
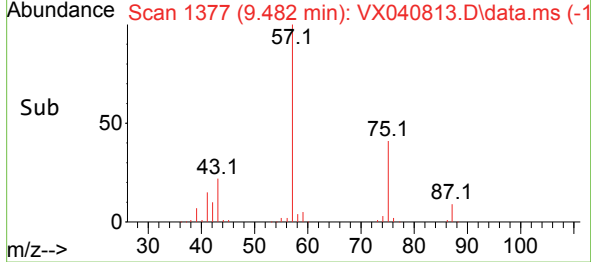
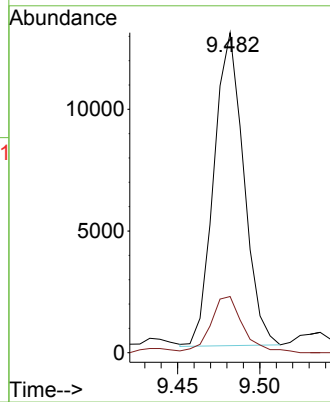
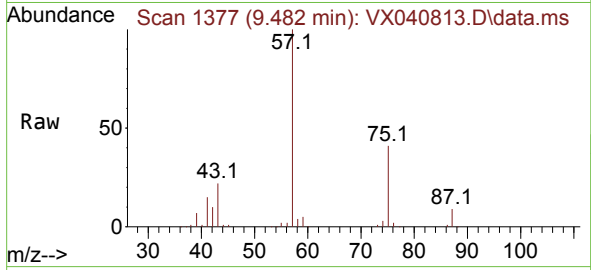




#59
2-Hexanone
Concen: 24.264 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

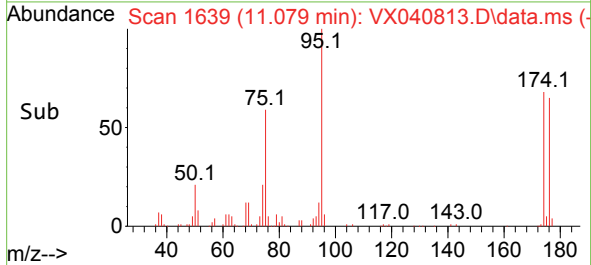
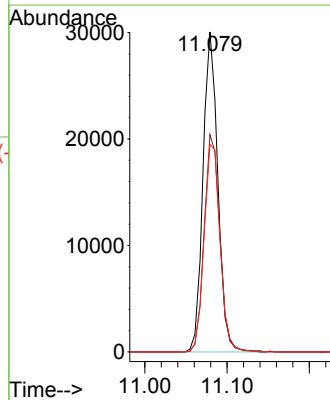
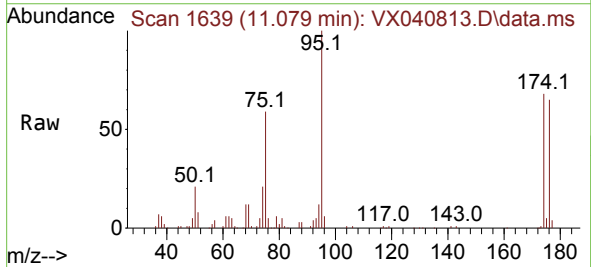
Instrument :
MSVOA_X
ClientSampleId :
SOIL-4

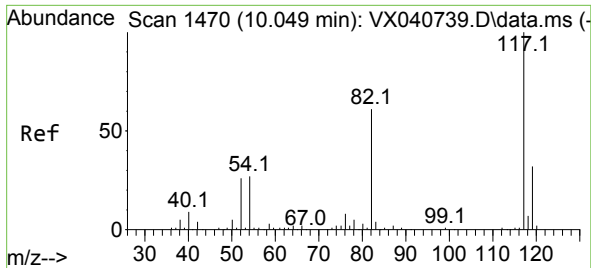
Tgt Ion: 43 Resp: 16222
Ion Ratio Lower Upper
43 100
58 19.5 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 52.756 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

Tgt Ion: 95 Resp: 37829
Ion Ratio Lower Upper
95 100
174 71.6 0.0 135.6
176 69.4 0.0 131.0

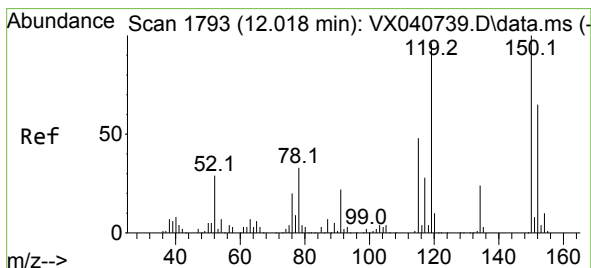
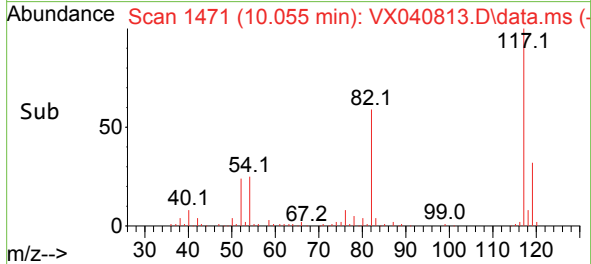
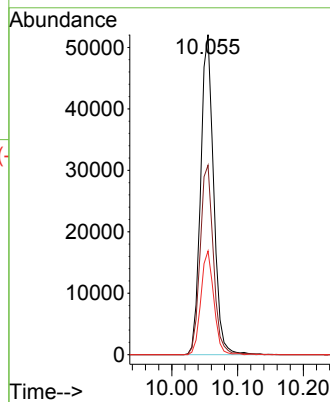
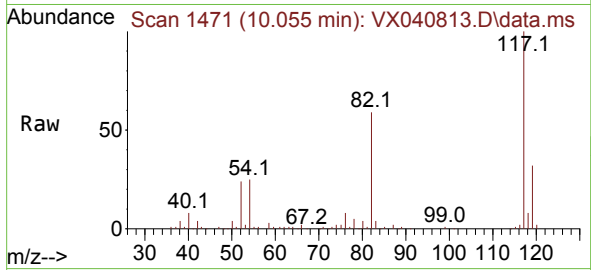




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

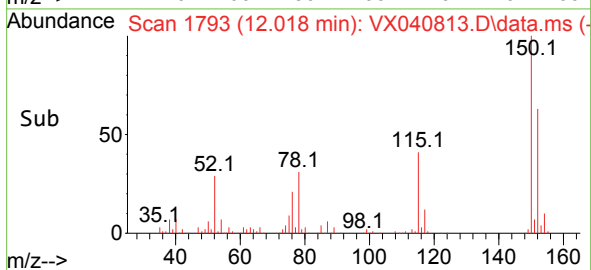
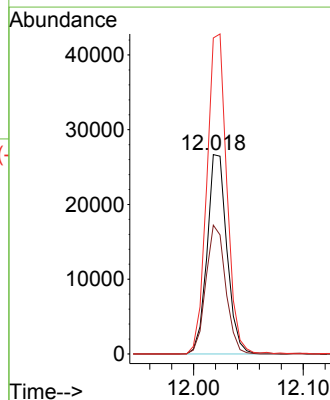
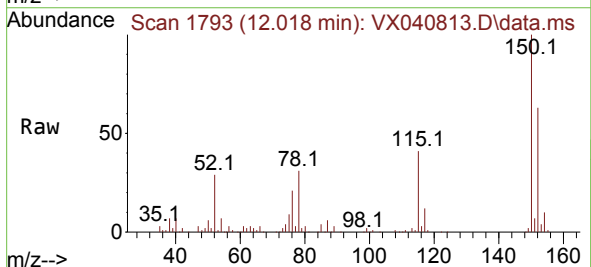
Instrument :
MSVOA_X
ClientSampleId :
SOIL-4

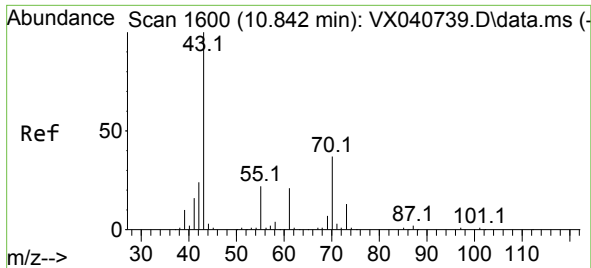
Tgt Ion:117 Resp: 71561
Ion Ratio Lower Upper
117 100
82 59.2 46.2 69.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

Tgt Ion:152 Resp: 33521
Ion Ratio Lower Upper
152 100
115 64.4 43.3 129.9
150 162.0 0.0 345.0

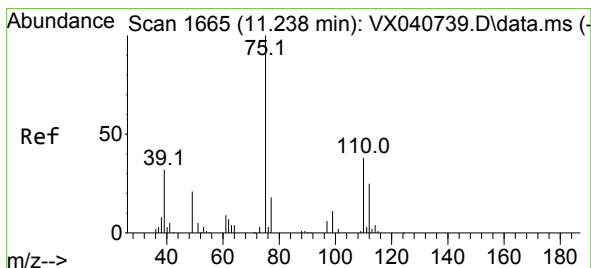
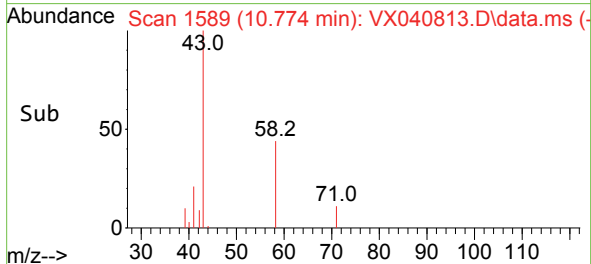
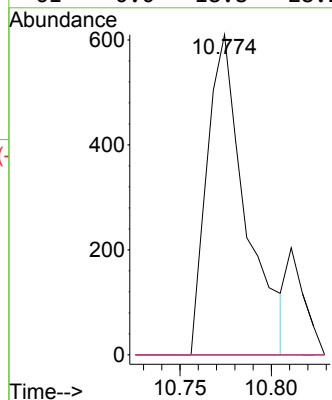
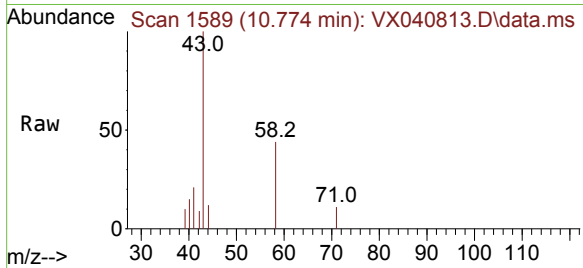




#74
N-amy1 acetate
Concen: 0.711 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

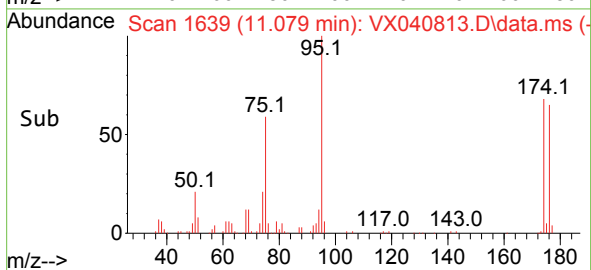
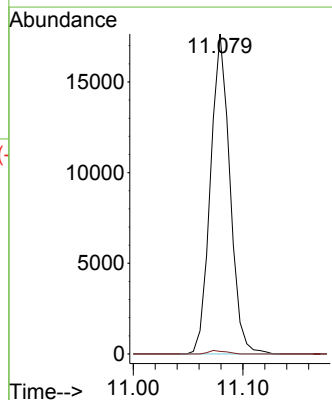
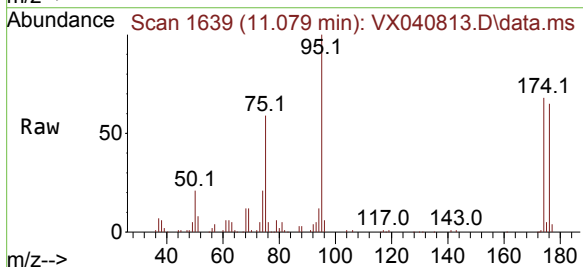
Instrument :
MSVOA_X
ClientSampleId :
SOIL-4

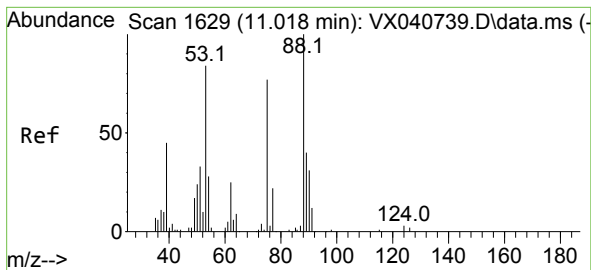
Tgt Ion: 43	Resp:	891
Ion	Ratio	Lower Upper
43	100	
70	0.0	32.9 49.3#
55	0.0	19.3 28.9#
61	0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 30.137 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040813.D
Acq: 27 Mar 2024 15:10

Tgt Ion: 75	Resp:	21727
Ion	Ratio	Lower Upper
75	100	
77	1.0	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.240 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040813.D
 Acq: 27 Mar 2024 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-4

Tgt Ion: 75 Resp: 21727
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

