

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032724\
 Data File : VX040810.D
 Acq On : 27 Mar 2024 14:01
 Operator : JC/MD
 Sample : P1869-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-1

Quant Time: Mar 28 03:54:47 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)

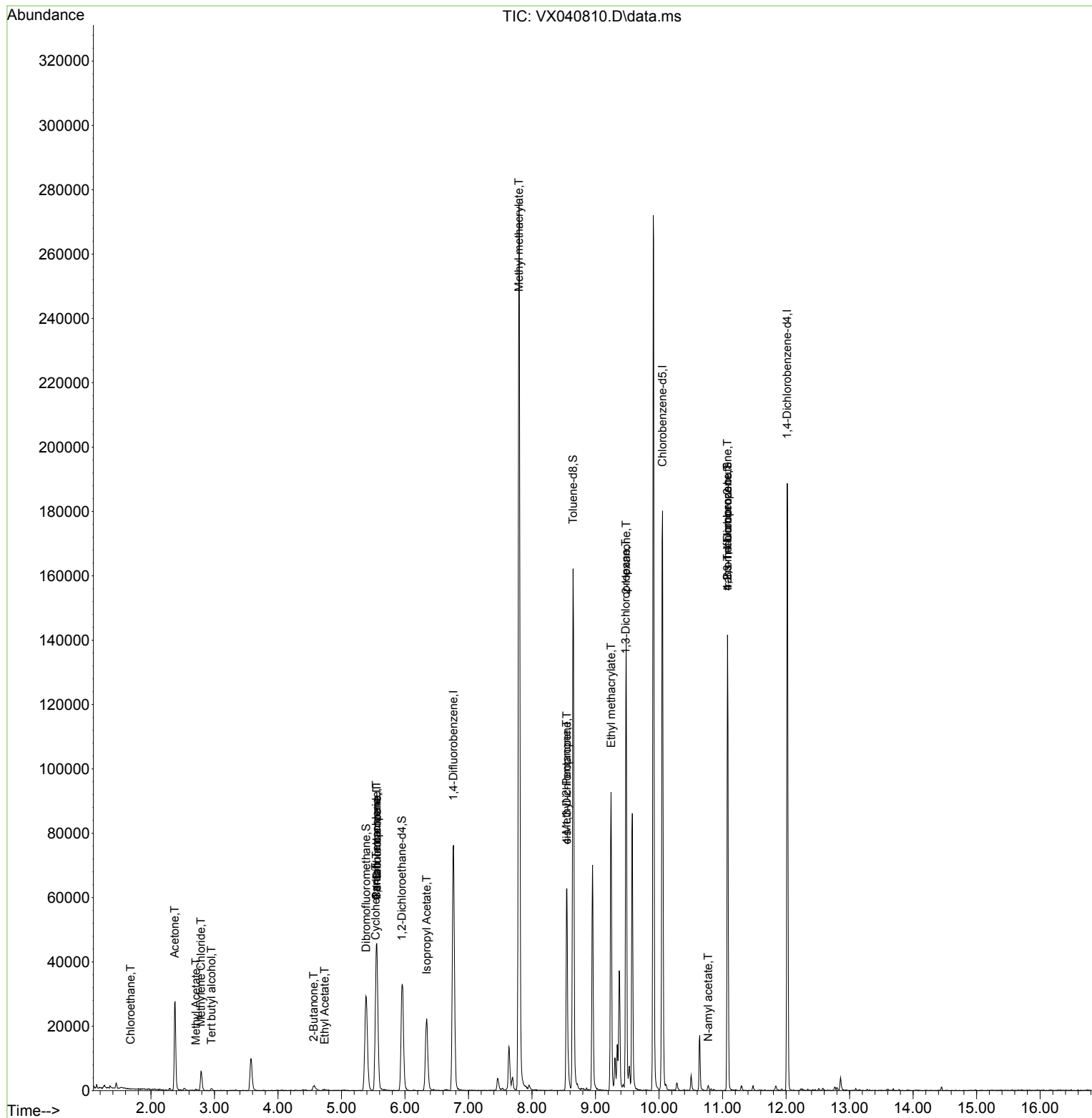
Internal Standards						
1) Pentafluorobenzene	5.556	168	41381	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	73443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	75025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	34449	49.510	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.020%
35) Dibromofluoromethane	5.385	113	25409	46.237	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.480%
50) Toluene-d8	8.647	98	93910	49.908	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.820%
62) 4-Bromofluorobenzene	11.079	95	34871	46.906	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.820%
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	152	0.417	ug/l #	43
11) Tert butyl alcohol	2.953	59	603	5.412	ug/l #	78
16) Acetone	2.374	43	30450	123.551	ug/l	97
18) Methyl Acetate	2.709	43	580	0.878	ug/l #	62
20) Methylene Chloride	2.788	84	2689	4.991	ug/l	97
25) 2-Butanone	4.562	43	3071	7.955	ug/l	91
31) Cyclohexane	5.538	56	514	0.622	ug/l #	50
36) 1,1-Dichloropropene	5.556	75	3884	4.800	ug/l #	49
37) Ethyl Acetate	4.733	43	912	0.993	ug/l #	69
38) Carbon Tetrachloride	5.550	117	4482	4.921	ug/l #	16
43) Isopropyl Acetate	6.342	43	32349	22.421	ug/l	97
48) Methyl methacrylate	7.793	41	27204	41.253	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	25923	28.972	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	9390	10.346	ug/l #	68
56) Ethyl methacrylate	9.244	69	229	0.252	ug/l #	1
57) 1,3-Dichloropropane	9.476	76	1054	1.138	ug/l #	42
59) 2-Hexanone	9.482	43	17141	24.730	ug/l #	51
74) N-amyl acetate	10.774	43	950	0.702	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	20441	26.255	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	20441	66.419	ug/l #	5

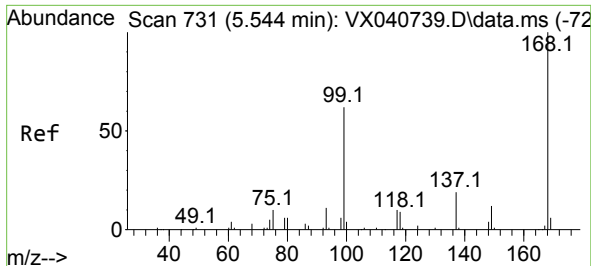
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:44:48 2024
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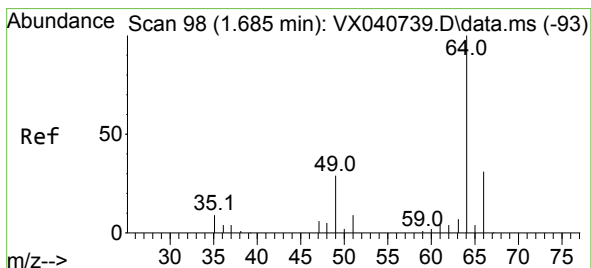
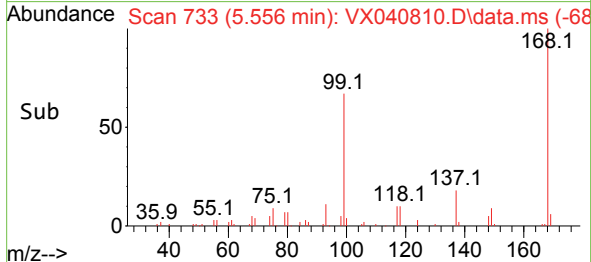
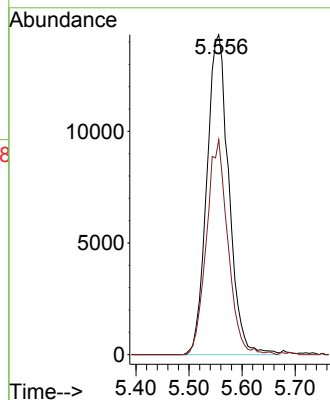
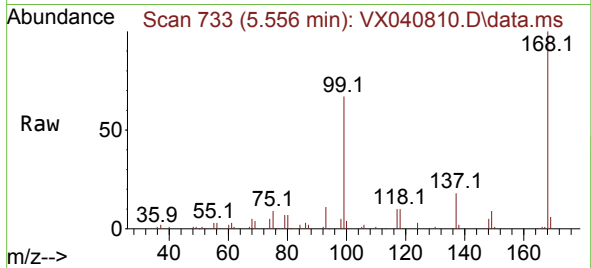




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

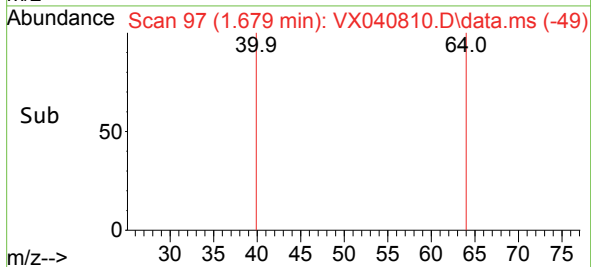
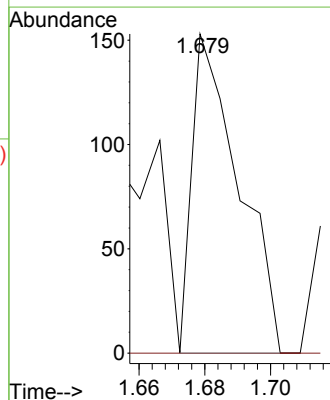
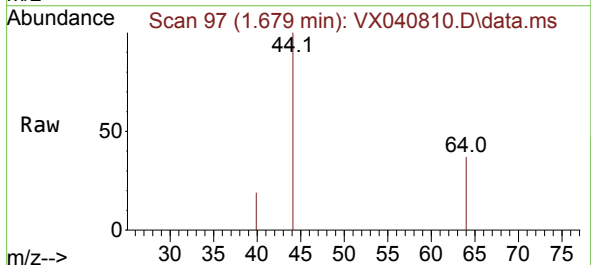
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

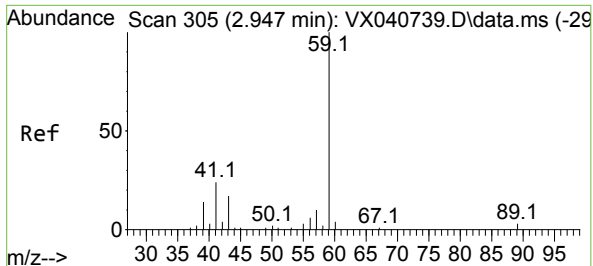
Tgt Ion:168 Resp: 41381
Ion Ratio Lower Upper
168 100
99 67.2 56.6 85.0



#6
Chloroethane
Concen: 0.417 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

Tgt Ion: 64 Resp: 152
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 5.412 ug/l

RT: 2.953 min Scan# 305

Delta R.T. 0.006 min

Lab File: VX040810.D

Acq: 27 Mar 2024 14:01

Instrument :

MSVOA_X

ClientSampleId :

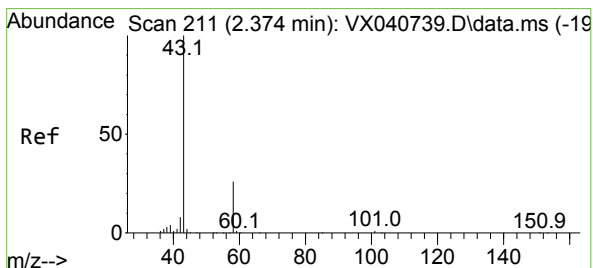
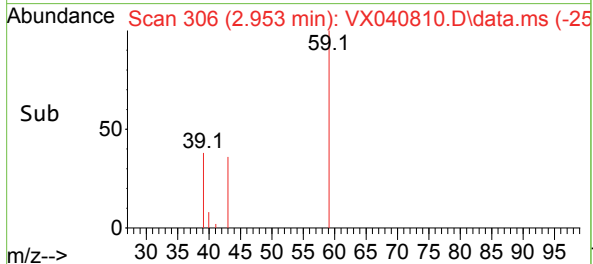
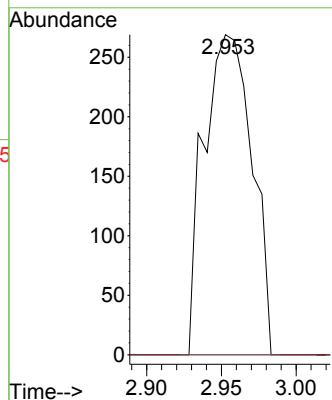
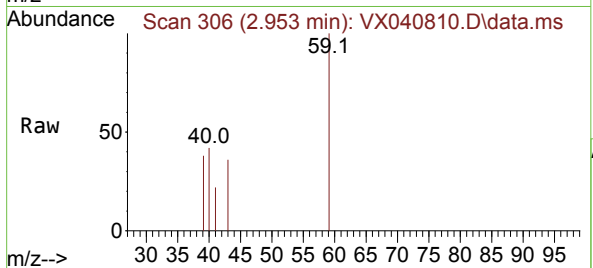
SOIL-1

Tgt Ion: 59 Resp: 603

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 123.551 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX040810.D

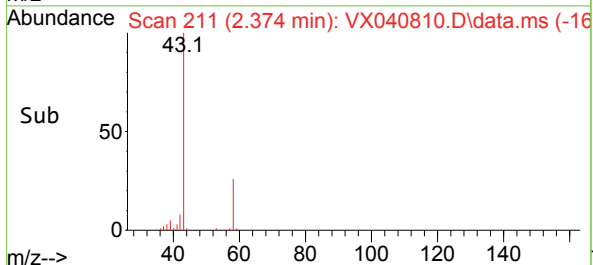
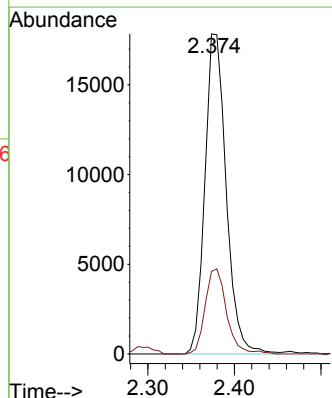
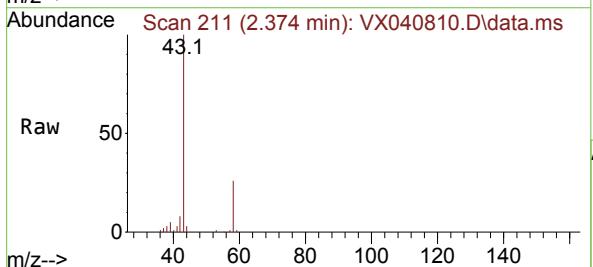
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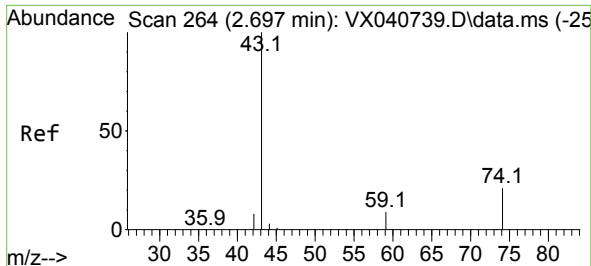
Tgt Ion: 43 Resp: 30450

Ion Ratio Lower Upper

43 100

58 25.8 21.9 32.9

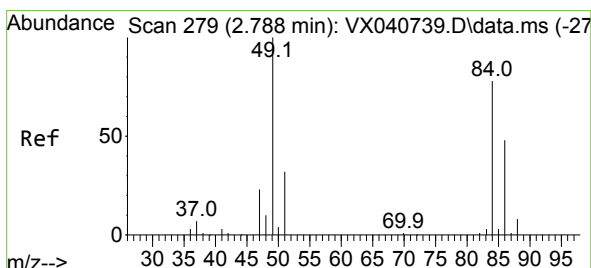
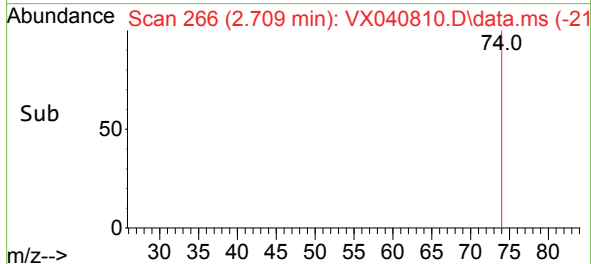
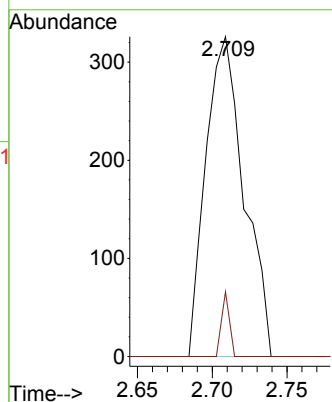
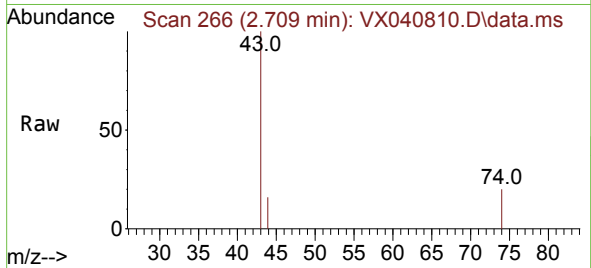




#18
Methyl Acetate
Concen: 0.878 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

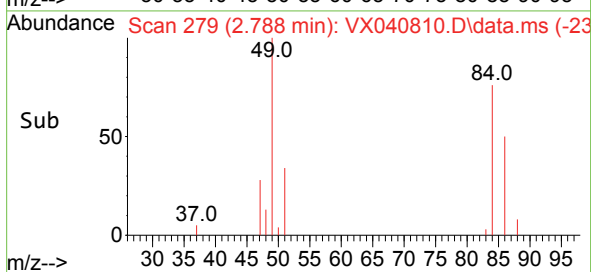
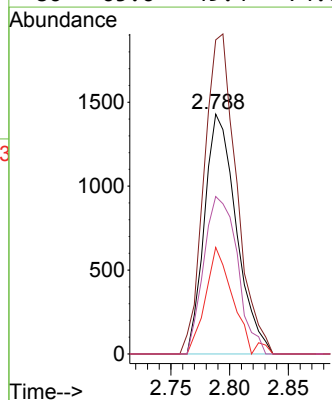
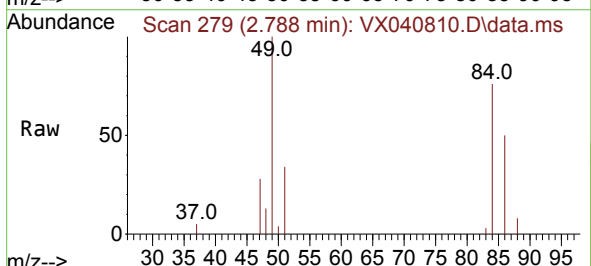
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

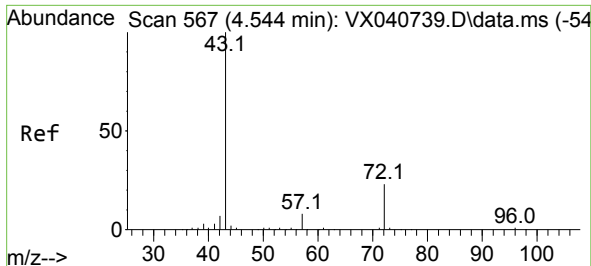
Tgt Ion: 43 Resp: 580
Ion Ratio Lower Upper
43 100
74 4.1 17.8 26.8#



#20
Methylene Chloride
Concen: 4.991 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

Tgt Ion: 84 Resp: 2689
Ion Ratio Lower Upper
84 100
49 131.0 103.6 155.4
51 44.4 33.8 50.6
86 65.6 49.4 74.0

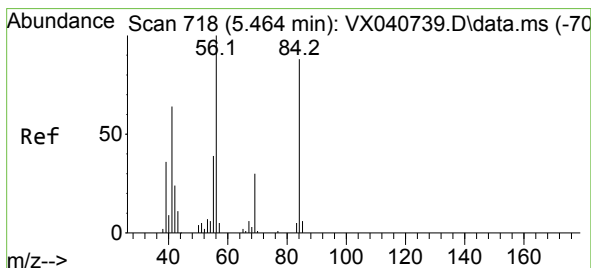
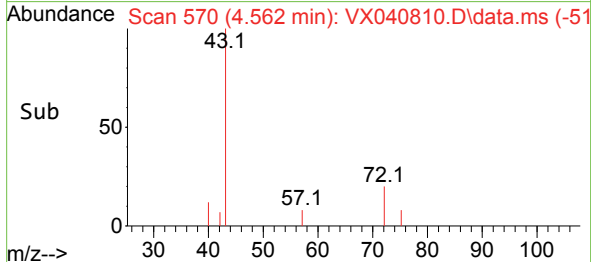
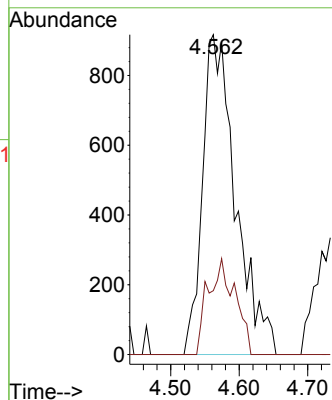
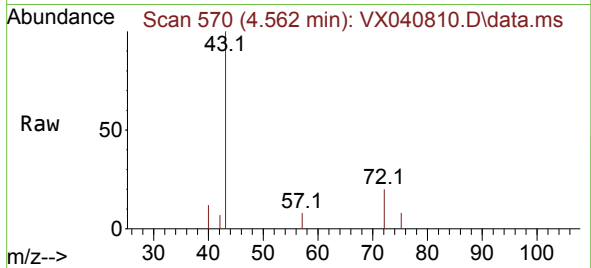




#25
2-Butanone
Concen: 7.955 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

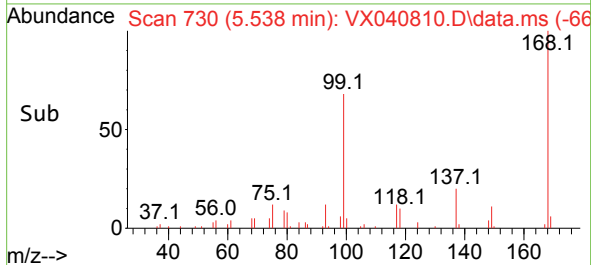
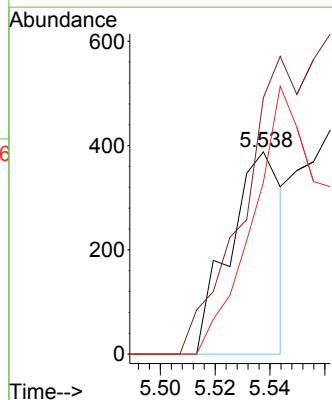
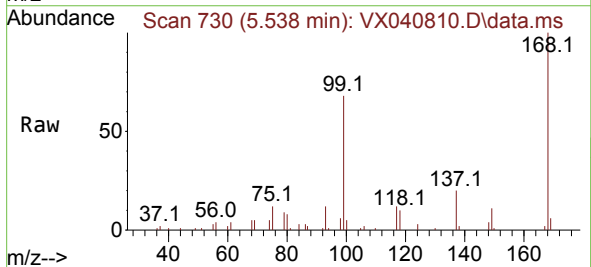
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

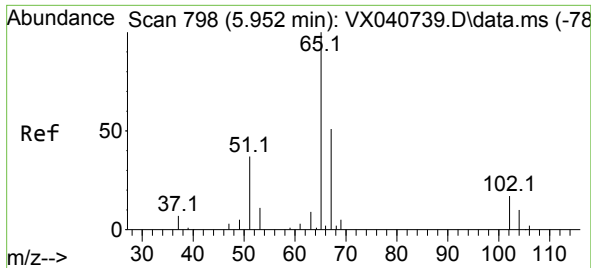
Tgt Ion: 43 Resp: 3071
Ion Ratio Lower Upper
43 100
72 20.0 19.4 29.2



#31
Cyclohexane
Concen: 0.622 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.074 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

Tgt Ion: 56 Resp: 514
Ion Ratio Lower Upper
56 100
69 126.8 23.4 35.2#
84 85.1 65.9 98.9

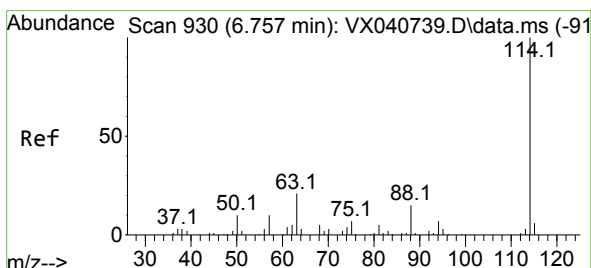
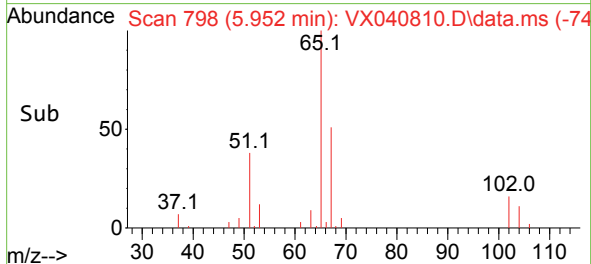
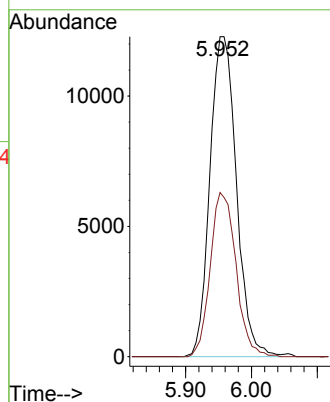
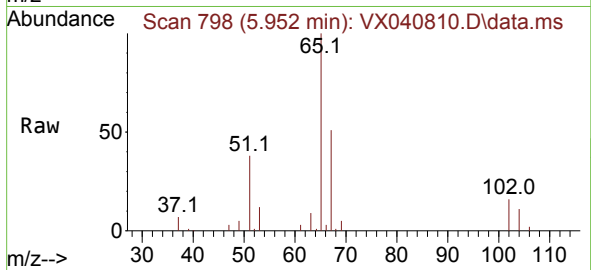




#33
1,2-Dichloroethane-d4
Concen: 49.510 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

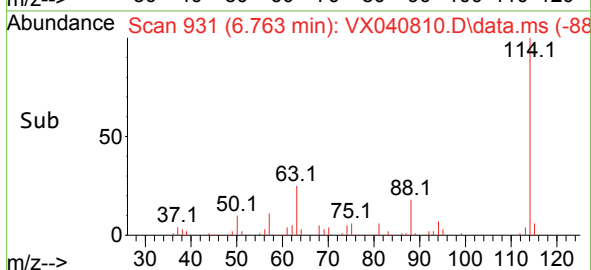
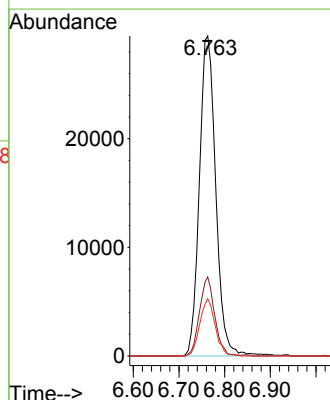
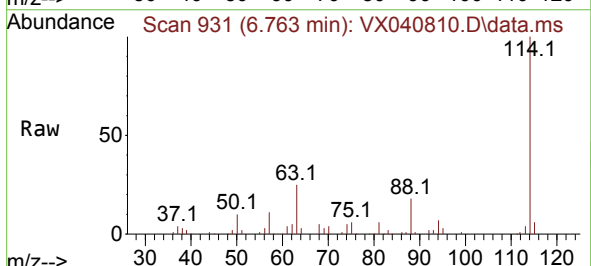
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

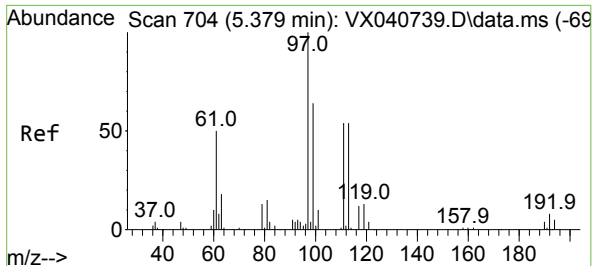
Tgt Ion: 65 Resp: 34449
Ion Ratio Lower Upper
65 100
67 49.8 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

Tgt Ion: 114 Resp: 73443
Ion Ratio Lower Upper
114 100
63 24.7 0.0 45.0
88 17.8 0.0 36.6

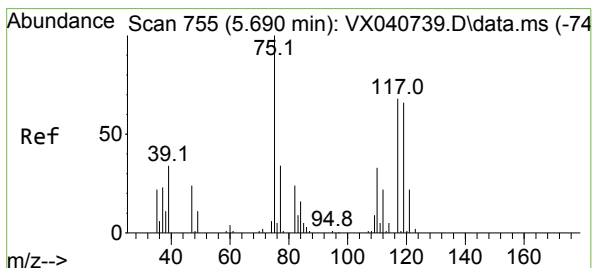
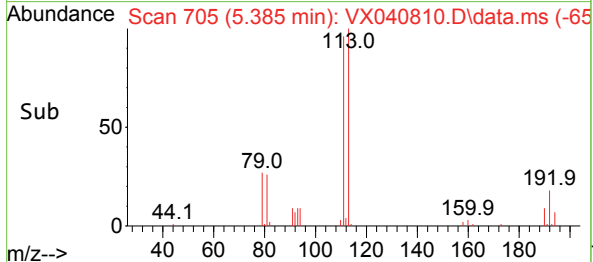
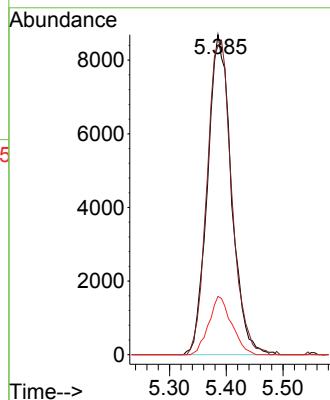
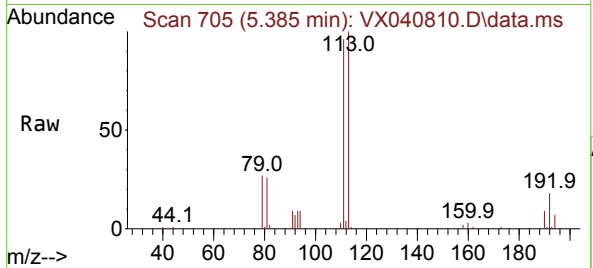




#35
Dibromofluoromethane
Concen: 46.237 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

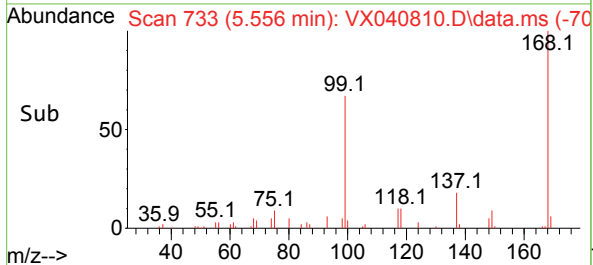
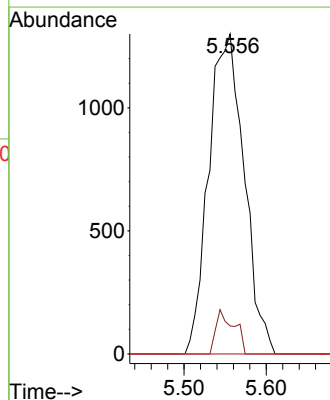
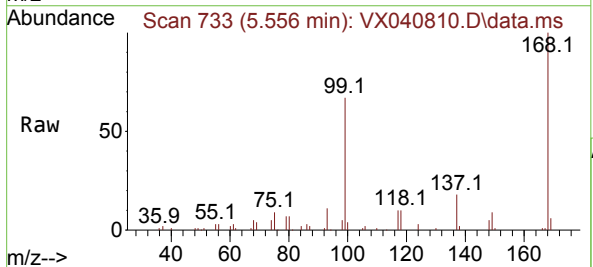
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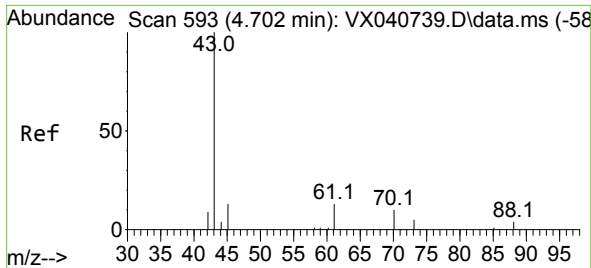
Tgt Ion:113 Resp: 25409
Ion Ratio Lower Upper
113 100
111 101.0 82.9 124.3
192 17.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.800 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

Tgt Ion: 75 Resp: 3884
Ion Ratio Lower Upper
75 100
110 7.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.993 ug/l

RT: 4.733 min Scan# 593

Delta R.T. 0.030 min

Lab File: VX040810.D

Acq: 27 Mar 2024 14:01

Instrument :

MSVOA_X

ClientSampleId :

SOIL-1

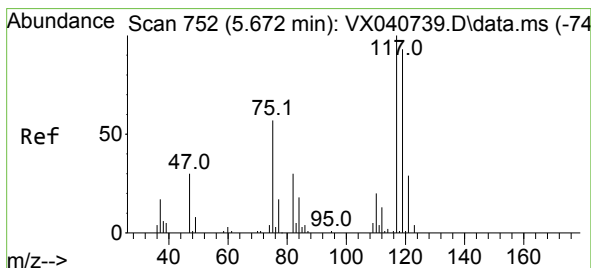
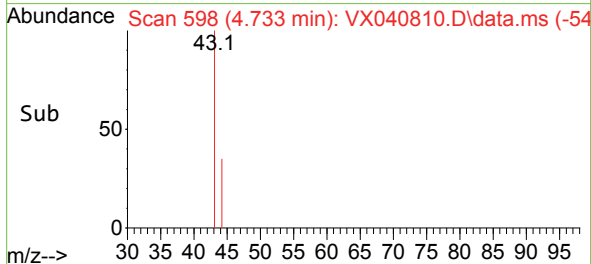
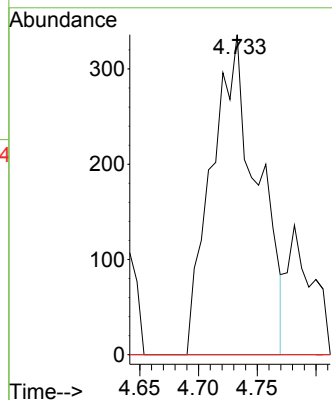
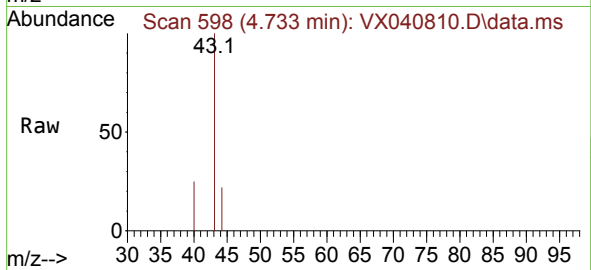
Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 4.921 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX040810.D

Acq: 27 Mar 2024 14:01

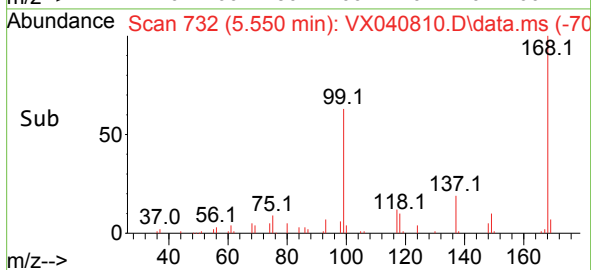
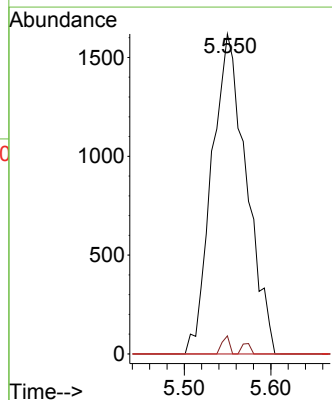
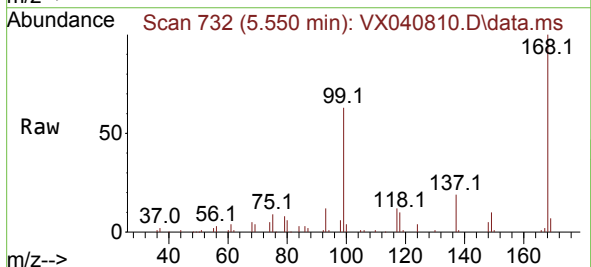
Tgt Ion: 117 Resp: 4482

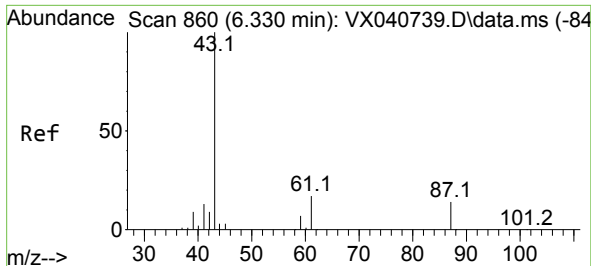
Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.2#

121 0.0 24.4 36.6#

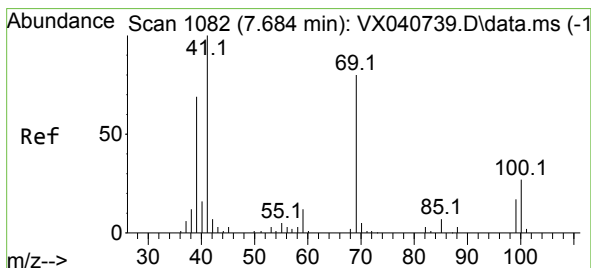
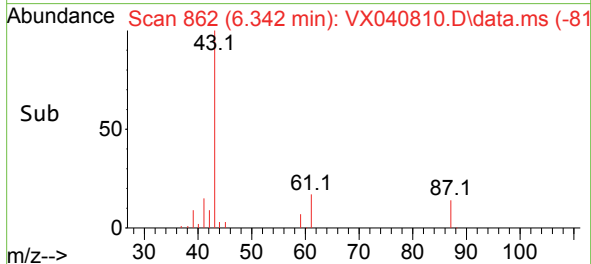
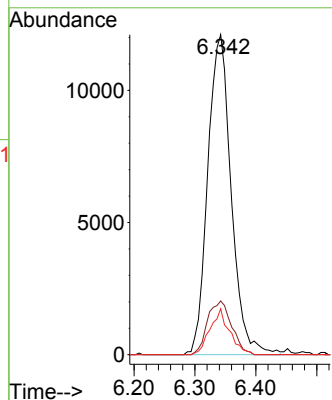
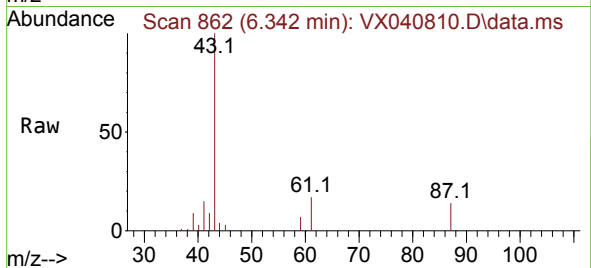




#43
Isopropyl Acetate
Concen: 22.421 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

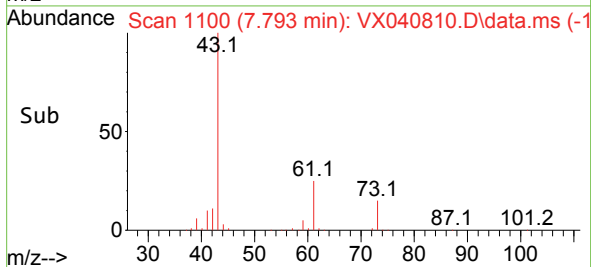
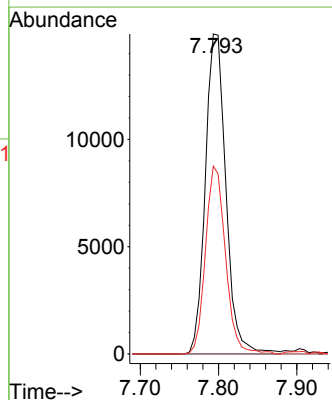
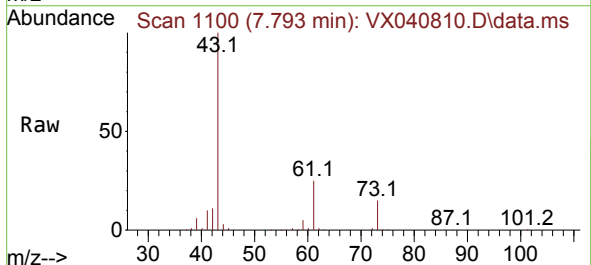
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

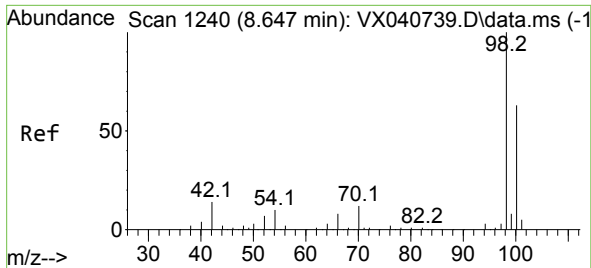
Tgt Ion: 43 Resp: 32349
Ion Ratio Lower Upper
43 100
61 17.2 15.2 22.8
87 12.0 9.8 14.6



#48
Methyl methacrylate
Concen: 41.253 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

Tgt Ion: 41 Resp: 27204
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.1 47.7 71.5

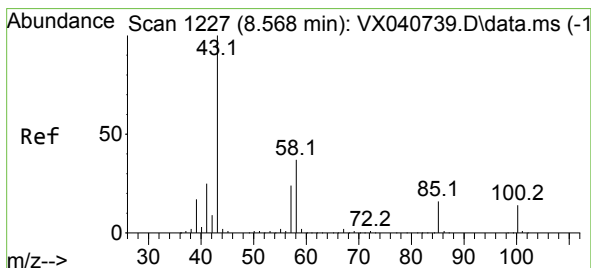
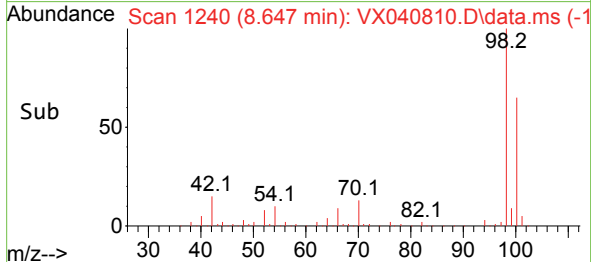
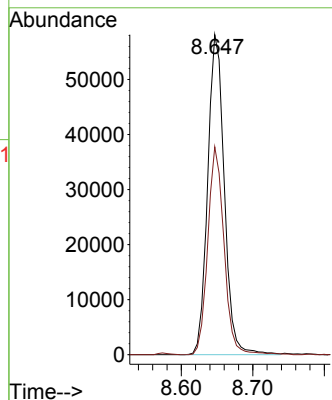
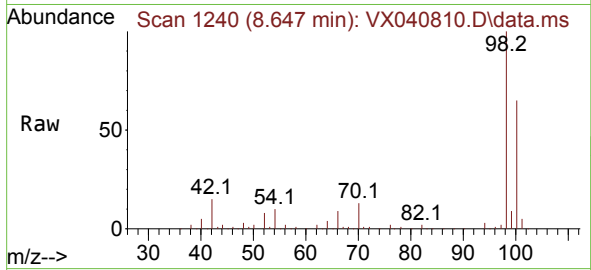




#50
Toluene-d8
Concen: 49.908 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

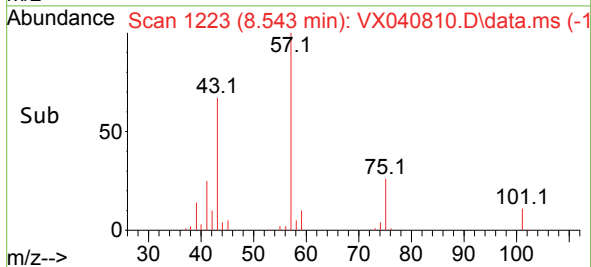
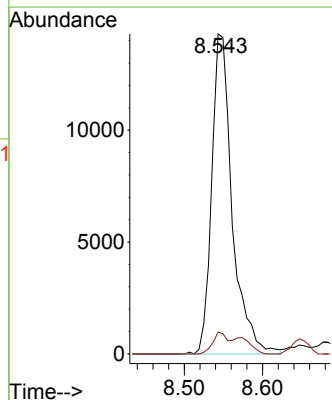
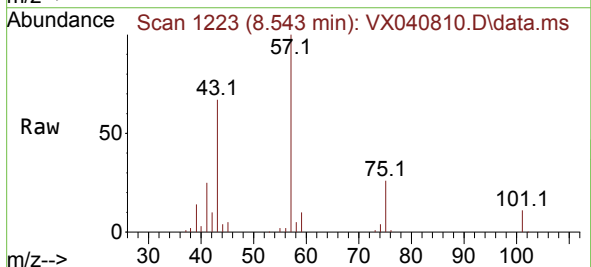
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

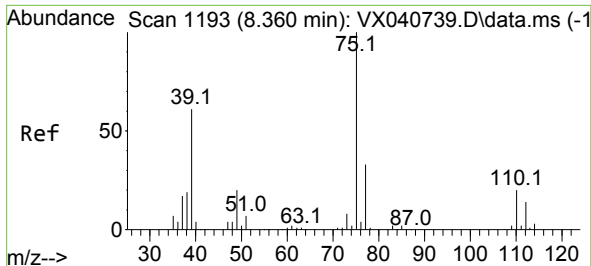
Tgt Ion: 98 Resp: 93910
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 28.972 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.024 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

Tgt Ion: 43 Resp: 25923
Ion Ratio Lower Upper
43 100
58 5.5 30.4 45.6#

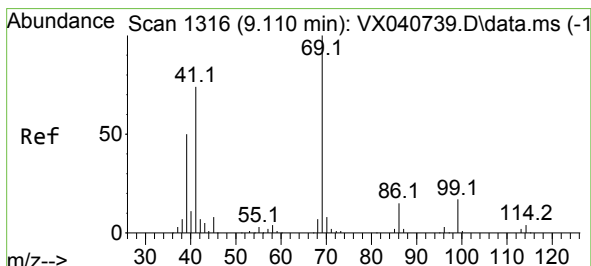
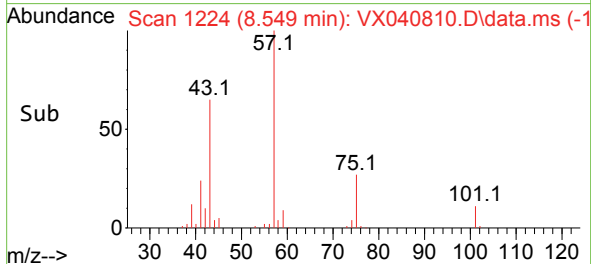
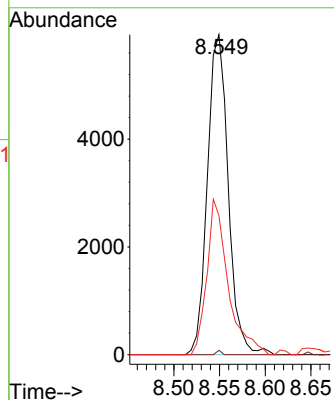
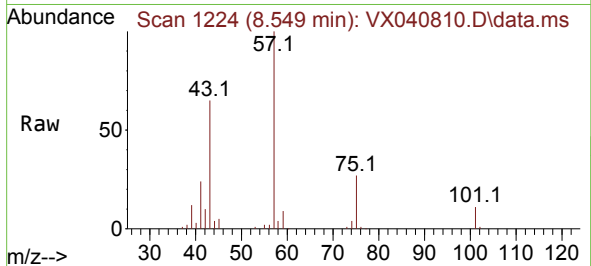




#54
 cis-1,3-Dichloropropene
 Concen: 10.346 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX040810.D
 Acq: 27 Mar 2024 14:01

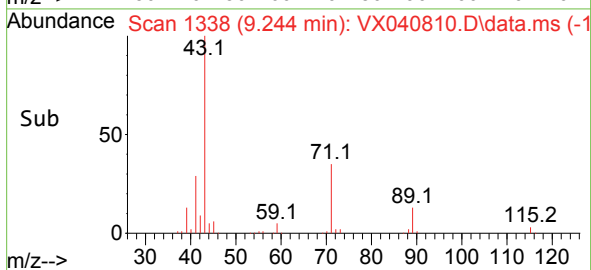
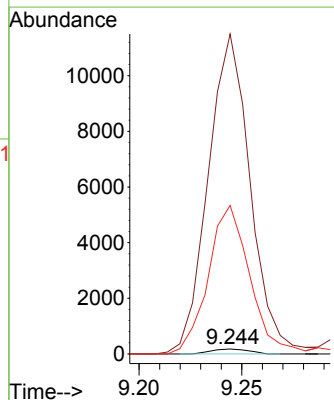
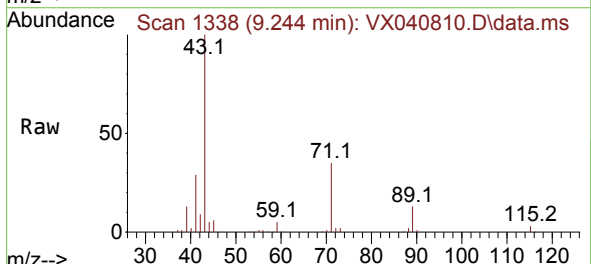
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-1

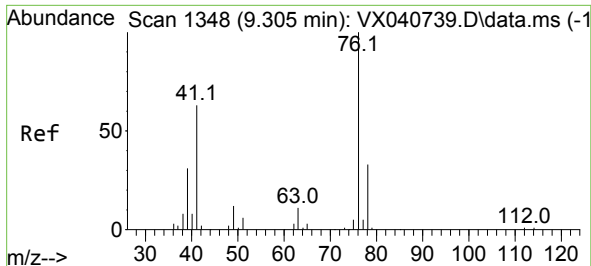
Tgt Ion: 75 Resp: 9390
 Ion Ratio Lower Upper
 75 100
 77 1.4 25.3 37.9#
 39 43.5 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.252 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.134 min
 Lab File: VX040810.D
 Acq: 27 Mar 2024 14:01

Tgt Ion: 69 Resp: 229
 Ion Ratio Lower Upper
 69 100
 41 7174.7 56.8 85.2#
 39 3283.0 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.138 ug/l

RT: 9.476 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX040810.D

Acq: 27 Mar 2024 14:01

Instrument :

MSVOA_X

ClientSampleId :

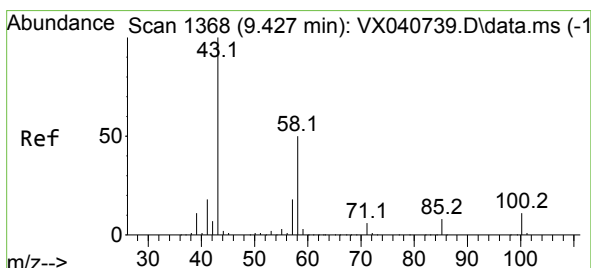
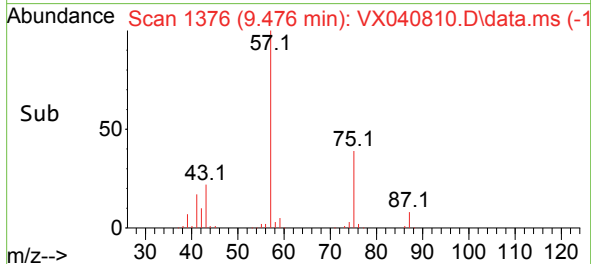
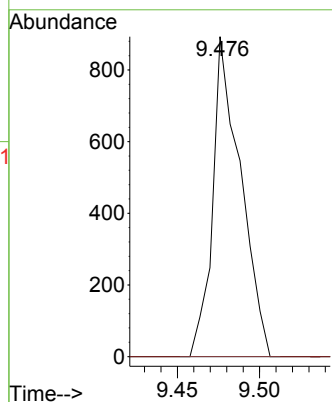
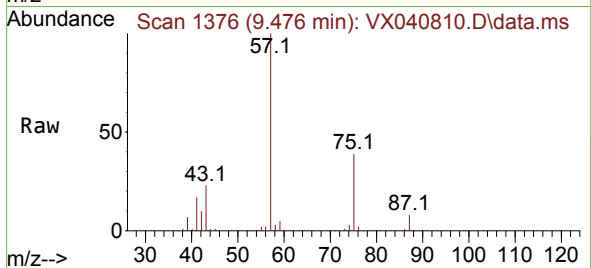
SOIL-1

Tgt Ion: 76 Resp: 1054

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 24.730 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040810.D

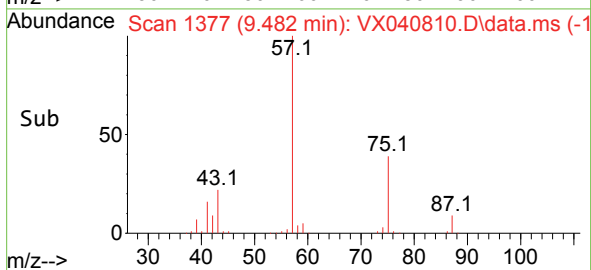
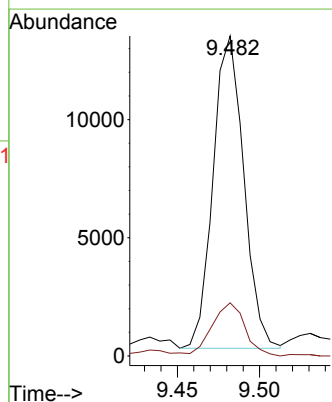
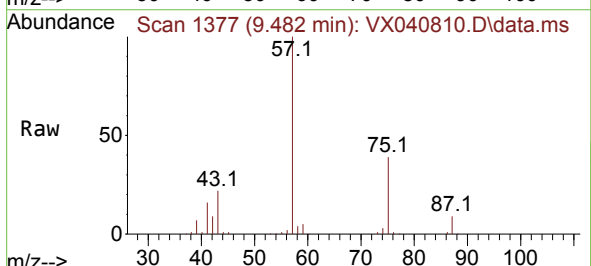
Acq: 27 Mar 2024 14:01

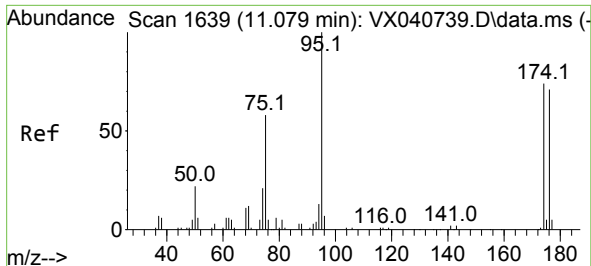
Tgt Ion: 43 Resp: 17141

Ion Ratio Lower Upper

43 100

58 18.0 26.2 78.5#

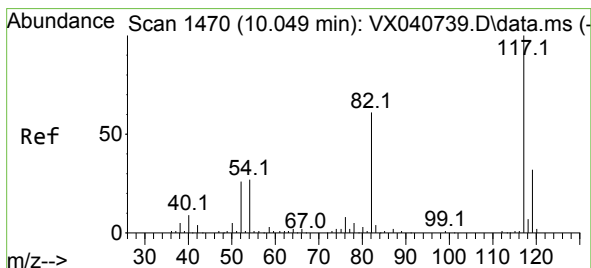
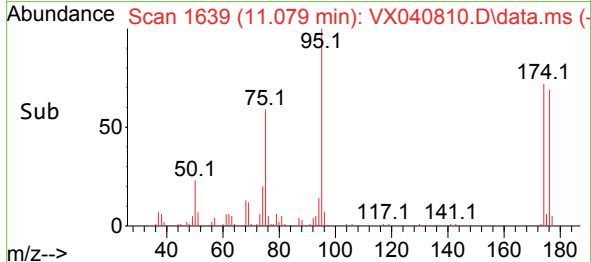
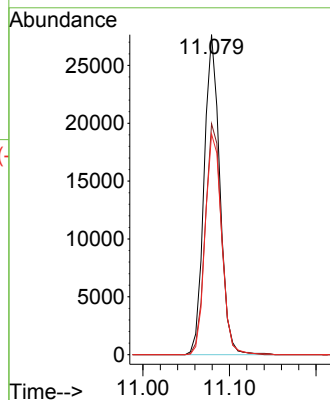
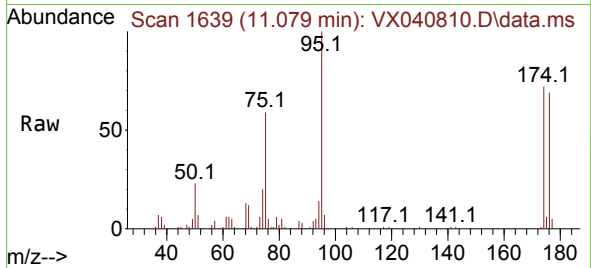




#62
4-Bromofluorobenzene
Concen: 46.906 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

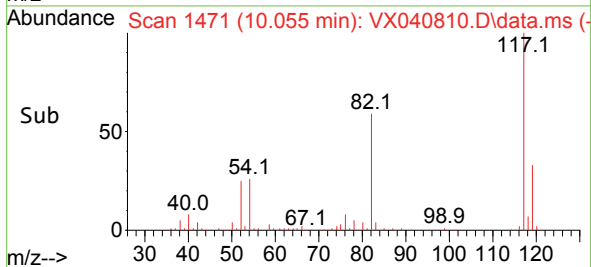
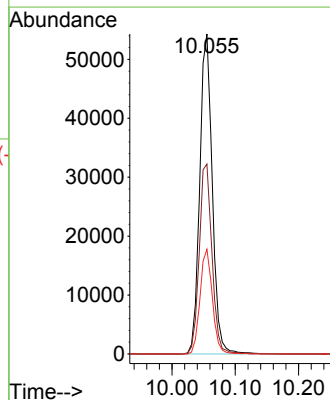
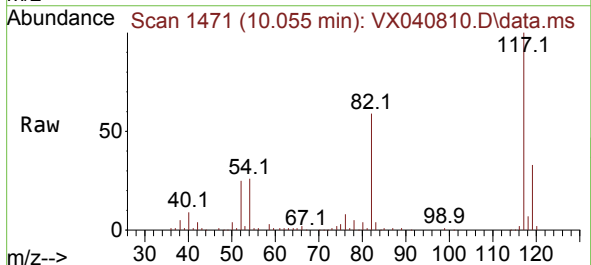
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

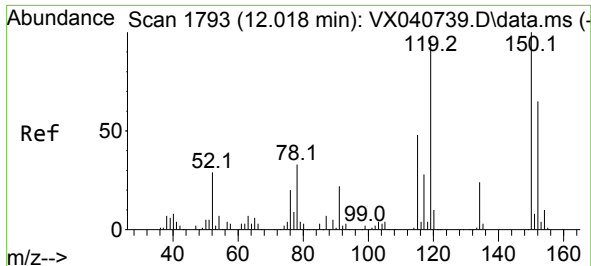
Tgt Ion: 95 Resp: 34871
Ion Ratio Lower Upper
95 100
174 74.6 0.0 135.6
176 72.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

Tgt Ion: 117 Resp: 75025
Ion Ratio Lower Upper
117 100
82 59.4 46.2 69.4
119 32.7 25.5 38.3

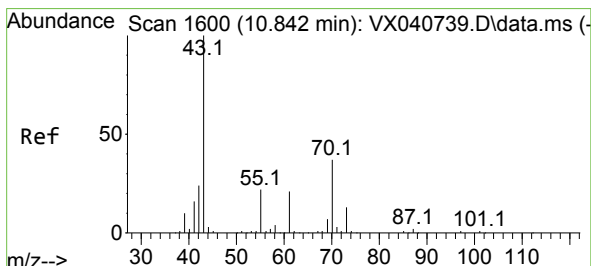
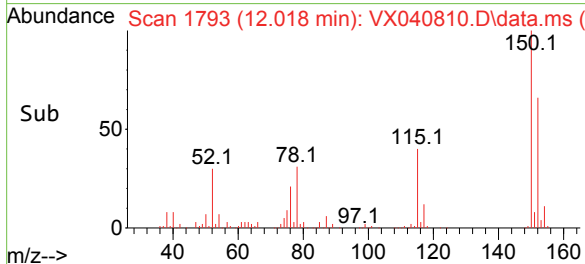
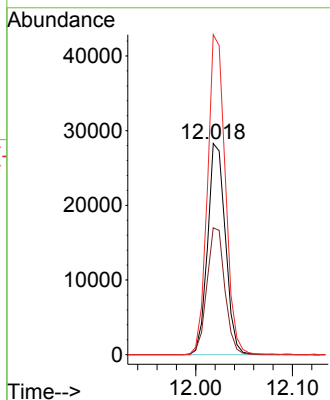
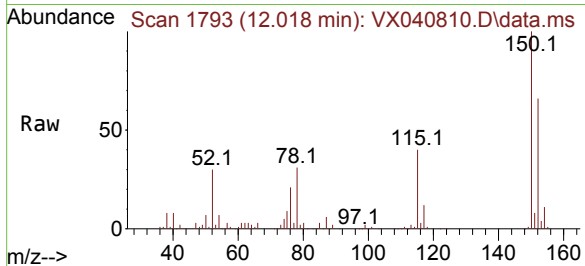




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

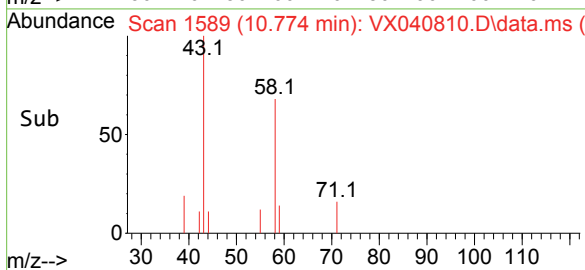
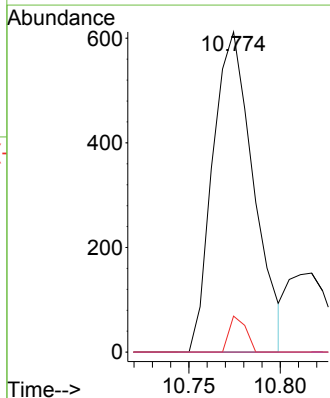
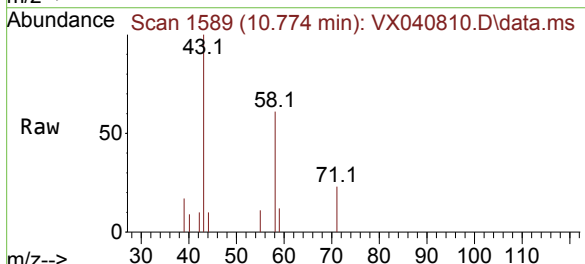
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

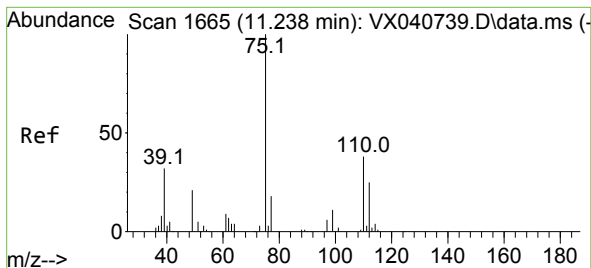
Tgt Ion:152 Resp: 36200
Ion Ratio Lower Upper
152 100
115 60.6 43.3 129.9
150 151.8 0.0 345.0



#74
N-ethyl acetate
Concen: 0.702 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX040810.D
Acq: 27 Mar 2024 14:01

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 4.6 19.3 28.9#
61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 26.255 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040810.D

Acq: 27 Mar 2024 14:01

Instrument :

MSVOA_X

ClientSampleId :

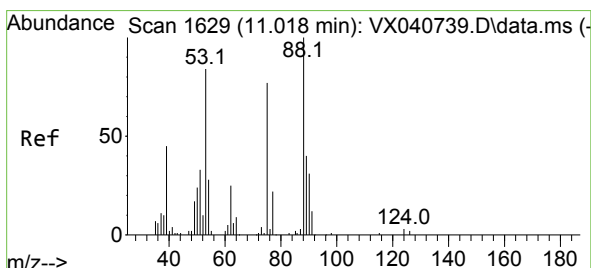
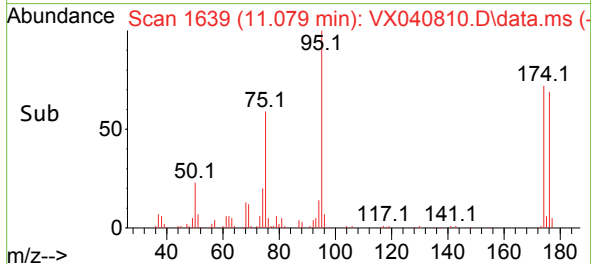
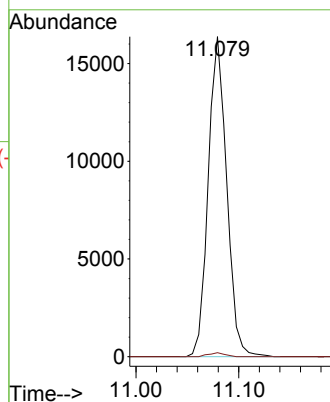
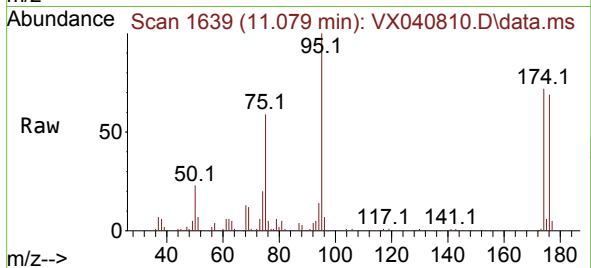
SOIL-1

Tgt Ion: 75 Resp: 20441

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.419 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040810.D

Acq: 27 Mar 2024 14:01

Tgt Ion: 75 Resp: 20441

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

