

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032724\
 Data File : VX040811.D
 Acq On : 27 Mar 2024 14:24
 Operator : JC/MD
 Sample : P1869-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-2

Quant Time: Mar 28 03:55:14 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

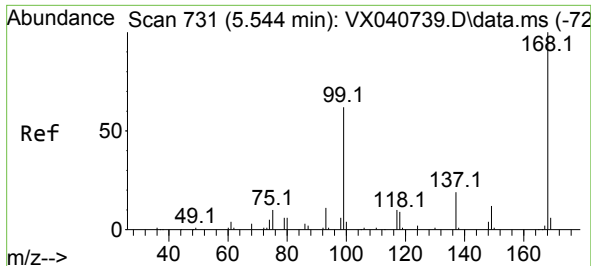
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	38857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	71133	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	68810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	33537	51.330	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.660%	
35) Dibromofluoromethane	5.391	113	24623	46.262	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.520%	
50) Toluene-d8	8.647	98	91194	50.038	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.080%	
62) 4-Bromofluorobenzene	11.079	95	34184	47.475	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.960%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.654	64	90	0.263	ug/l #	43
11) Tert butyl alcohol	2.947	59	658	6.289	ug/l #	78
16) Acetone	2.380	43	30215	130.561	ug/l	100
18) Methyl Acetate	2.709	43	487	0.785	ug/l #	90
20) Methylene Chloride	2.788	84	2635	5.209	ug/l	94
25) 2-Butanone	4.568	43	3366	9.286	ug/l	90
31) Cyclohexane	5.544	56	1019	1.313	ug/l #	12
36) 1,1-Dichloropropene	5.550	75	3577	4.564	ug/l #	49
37) Ethyl Acetate	4.721	43	924	1.038	ug/l #	69
38) Carbon Tetrachloride	5.556	117	4513	5.116	ug/l #	19
43) Isopropyl Acetate	6.336	43	30150	21.575	ug/l	97
48) Methyl methacrylate	7.793	41	25329	39.657	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	25551	29.483	ug/l #	47
54) cis-1,3-Dichloropropene	8.549	75	9062	10.309	ug/l #	68
56) Ethyl methacrylate	9.244	69	231	0.263	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1100	1.226	ug/l #	42
59) 2-Hexanone	9.482	43	15624	23.273	ug/l #	54
74) N-amyl acetate	10.768	43	1098	0.814	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	19925	25.661	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	19925	64.918	ug/l #	5

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

Quant Time: Mar 28 03:55:14 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

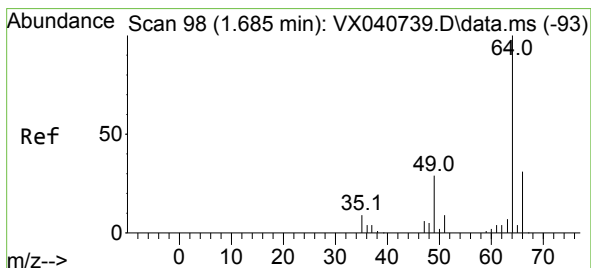
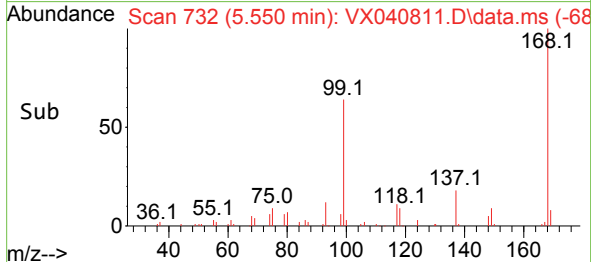
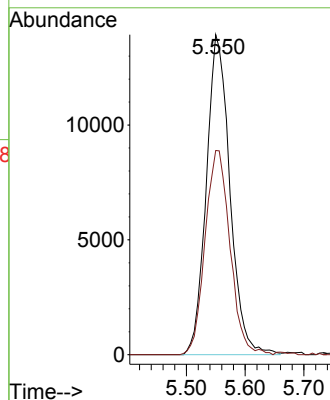
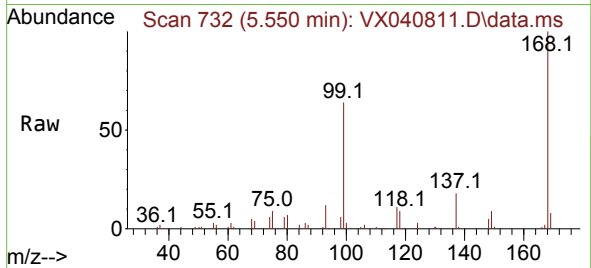




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

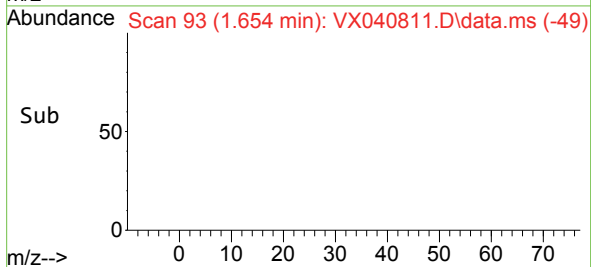
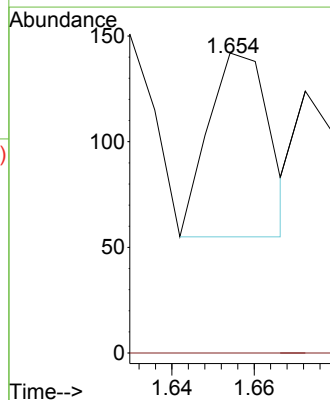
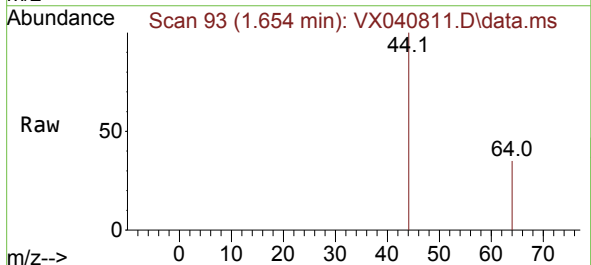
Instrument :
MSVOA_X
ClientSampleId :
SOIL-2

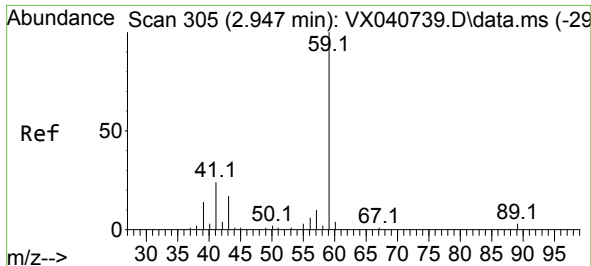
Tgt Ion:168 Resp: 38857
Ion Ratio Lower Upper
168 100
99 63.8 56.6 85.0



#6
Chloroethane
Concen: 0.263 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.031 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

Tgt Ion: 64 Resp: 90
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 6.289 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.000 min

Lab File: VX040811.D

Acq: 27 Mar 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

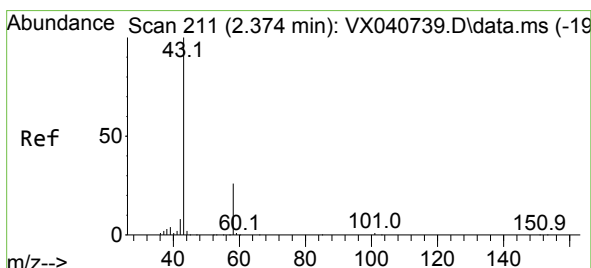
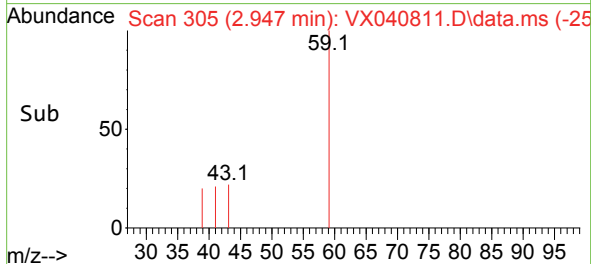
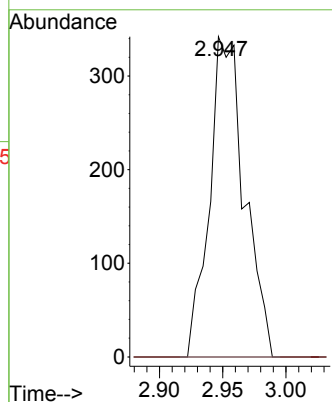
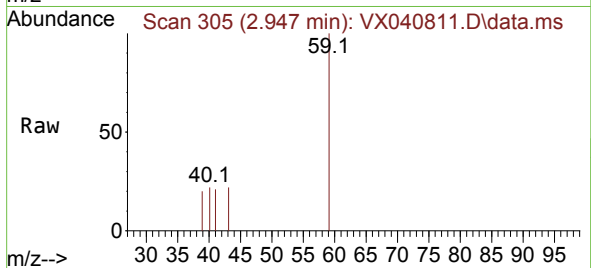
SOIL-2

Tgt Ion: 59 Resp: 658

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 130.561 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX040811.D

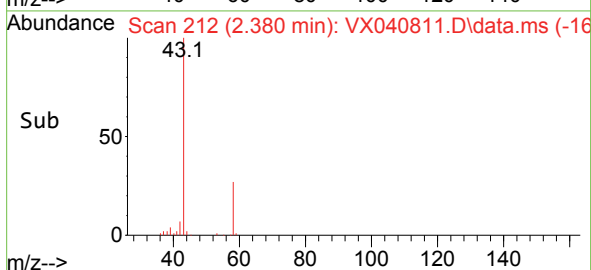
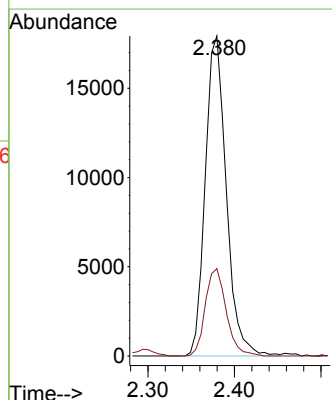
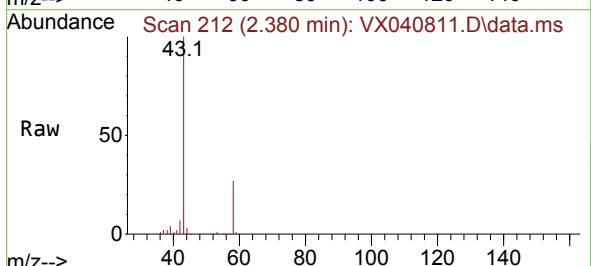
Acq: 27 Mar 2024 14:24

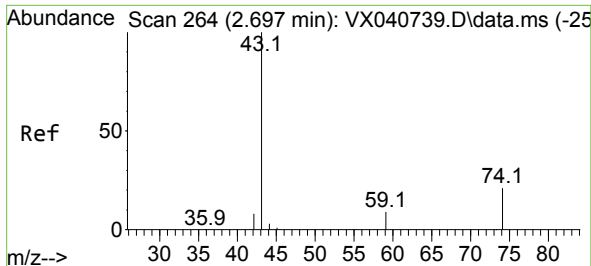
Tgt Ion: 43 Resp: 30215

Ion Ratio Lower Upper

43 100

58 27.3 21.9 32.9

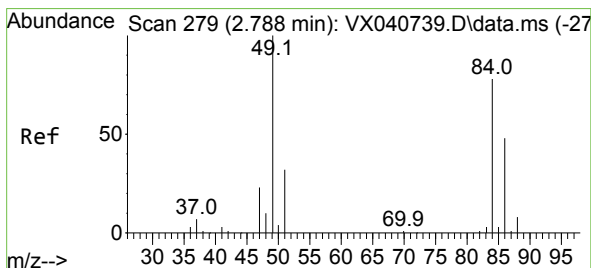
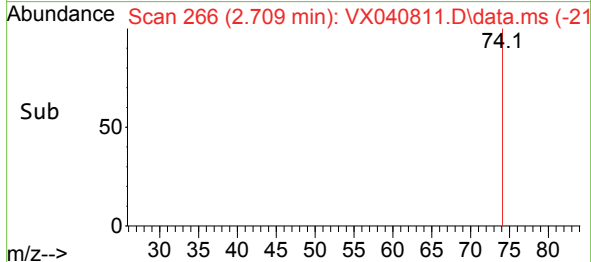
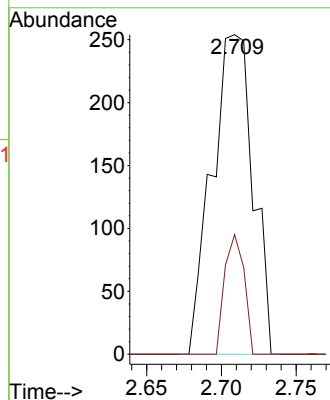
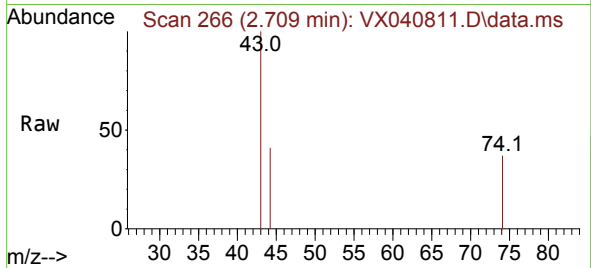




#18
Methyl Acetate
Concen: 0.785 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

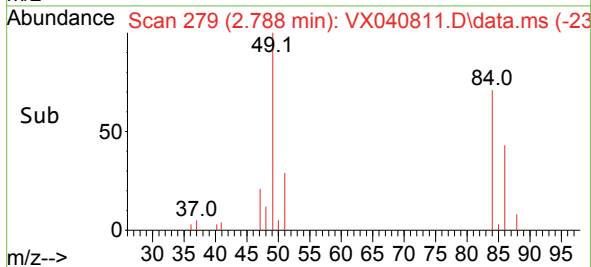
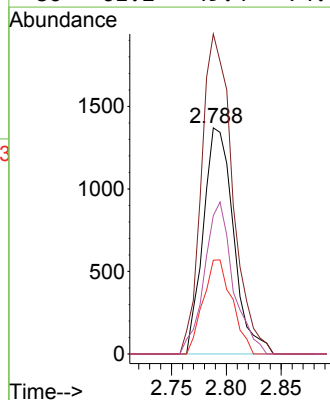
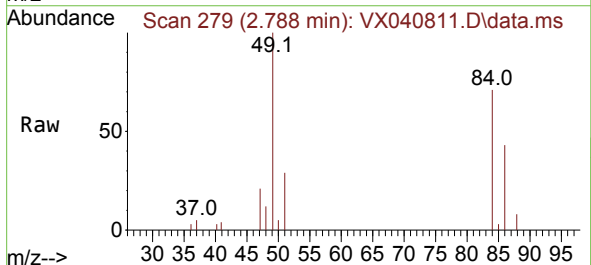
Instrument :
MSVOA_X
ClientSampleId :
SOIL-2

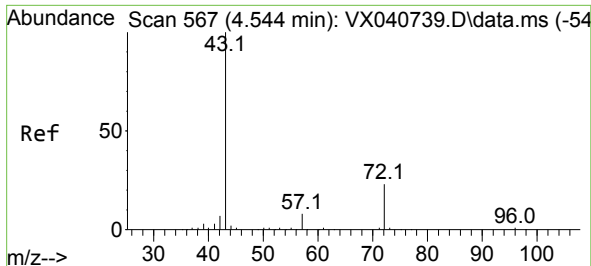
Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
74 17.7 17.8 26.8#



#20
Methylene Chloride
Concen: 5.209 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

Tgt Ion: 84 Resp: 2635
Ion Ratio Lower Upper
84 100
49 141.5 103.6 155.4
51 41.5 33.8 50.6
86 61.2 49.4 74.0

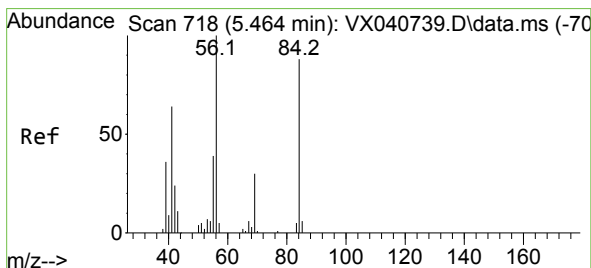
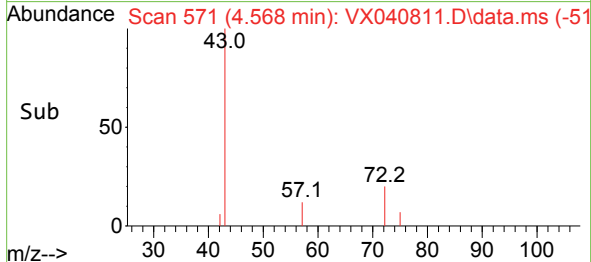
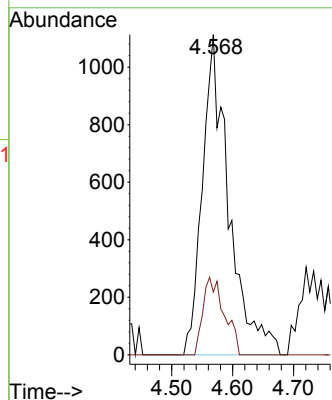
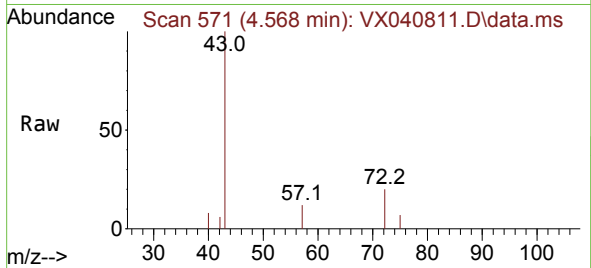




#25
2-Butanone
Concen: 9.286 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

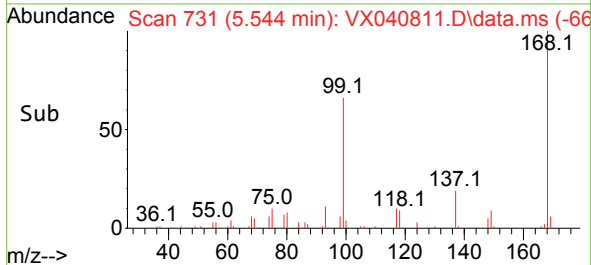
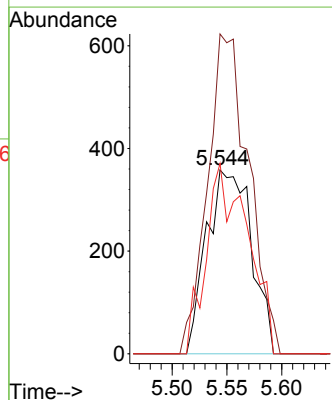
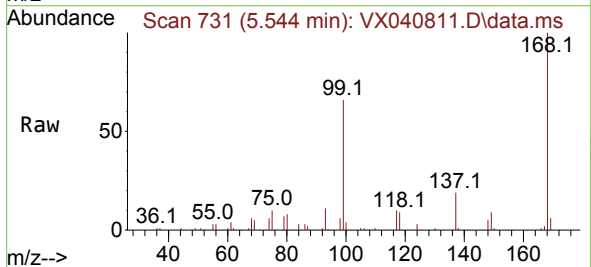
Instrument :
MSVOA_X
ClientSampleId :
SOIL-2

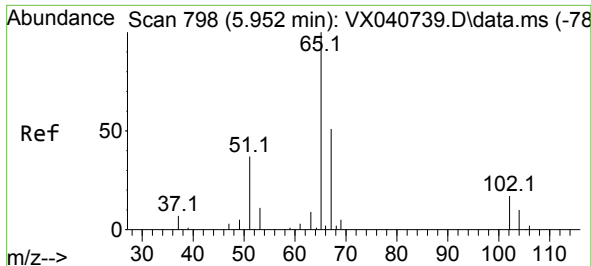
Tgt Ion: 43 Resp: 3366
Ion Ratio Lower Upper
43 100
72 19.6 19.4 29.2



#31
Cyclohexane
Concen: 1.313 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.080 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

Tgt Ion: 56 Resp: 1019
Ion Ratio Lower Upper
56 100
69 174.0 23.4 35.2#
84 103.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 51.330 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040811.D

Acq: 27 Mar 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

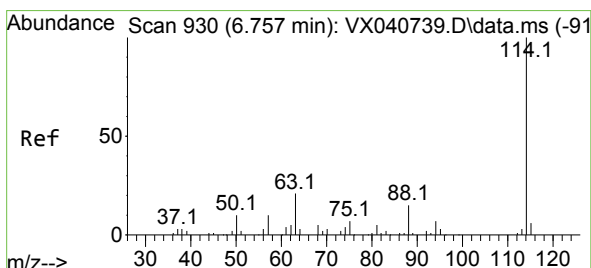
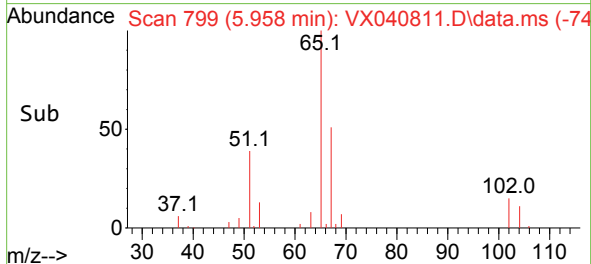
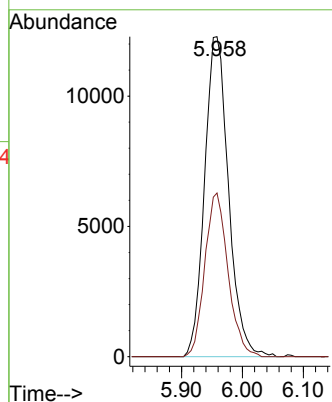
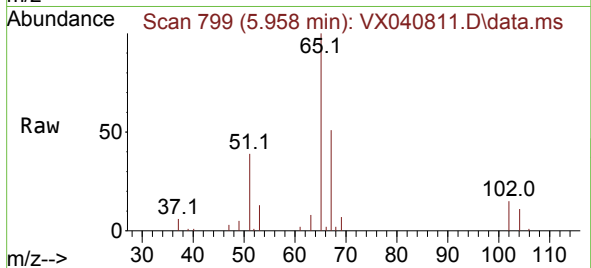
SOIL-2

Tgt Ion: 65 Resp: 33537

Ion Ratio Lower Upper

65 100

67 49.6 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: VX040811.D

Acq: 27 Mar 2024 14:24

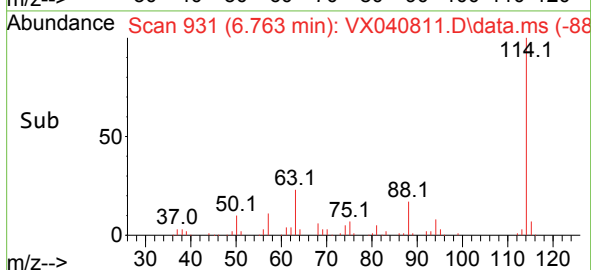
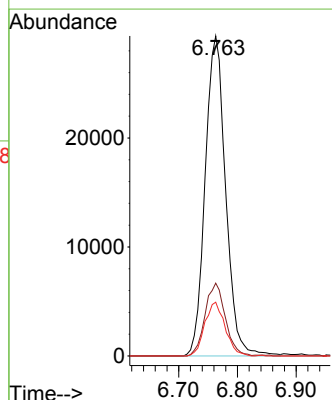
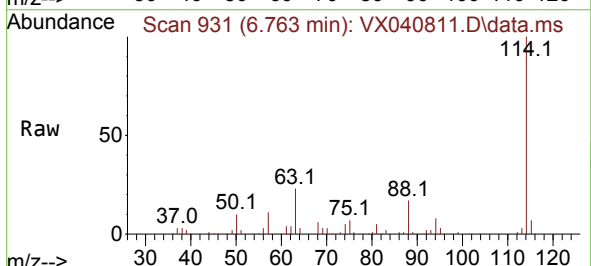
Tgt Ion: 114 Resp: 71133

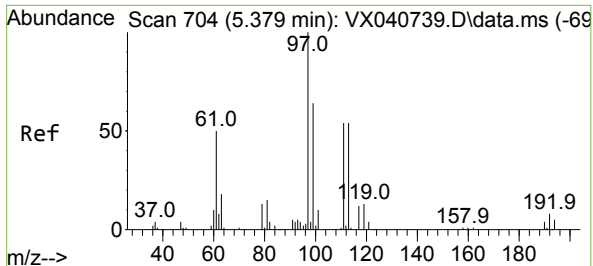
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.0

88 16.8 0.0 36.6

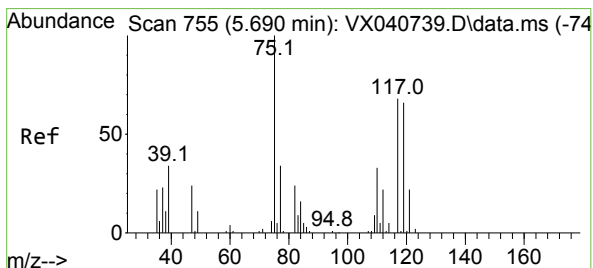
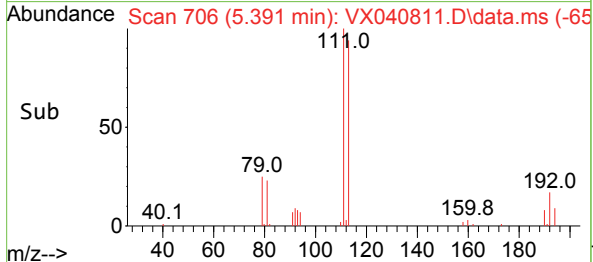
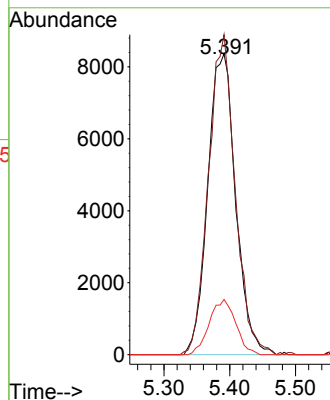
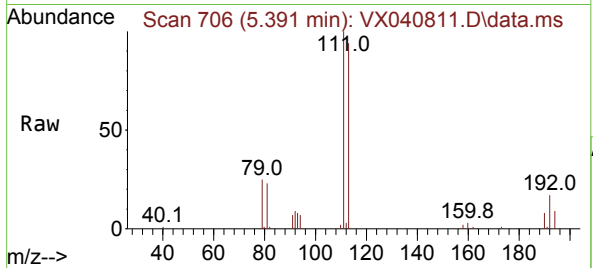




#35
Dibromofluoromethane
Concen: 46.262 ug/l
RT: 5.391 min Scan# 704
Delta R.T. 0.012 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

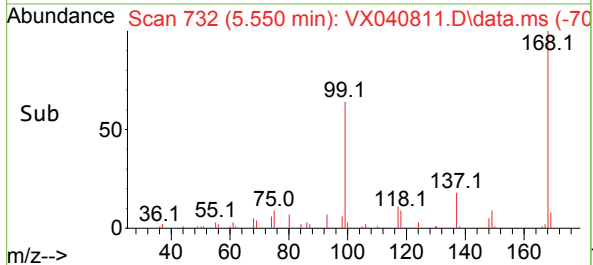
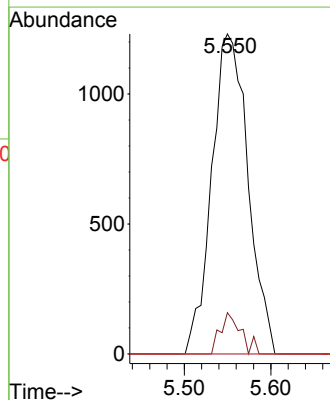
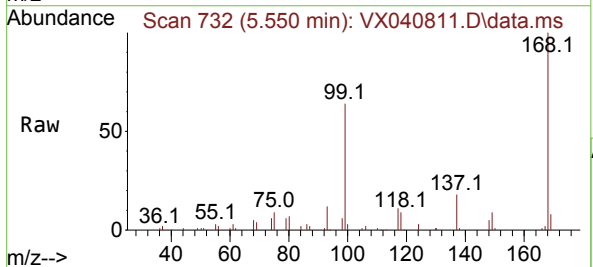
Instrument :
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SOIL-2

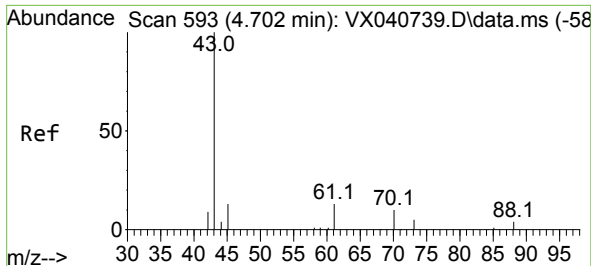
Tgt Ion:113 Resp: 24623
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 17.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.564 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

Tgt Ion: 75 Resp: 3577
Ion Ratio Lower Upper
75 100
110 7.3 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.038 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.018 min

Lab File: VX040811.D

Acq: 27 Mar 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

SOIL-2

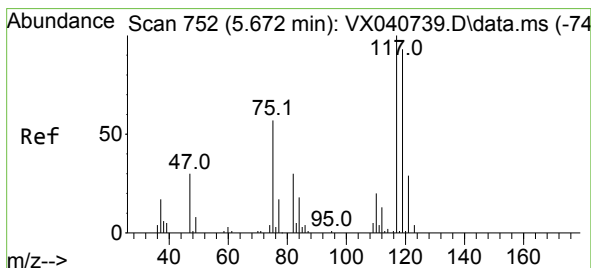
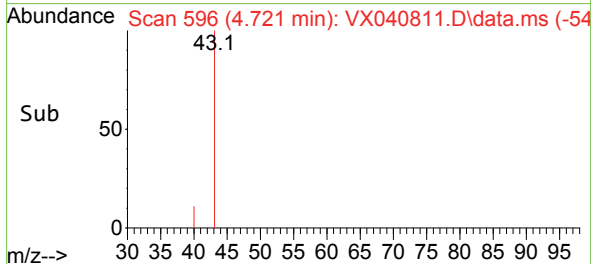
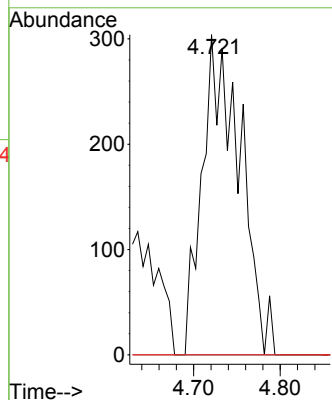
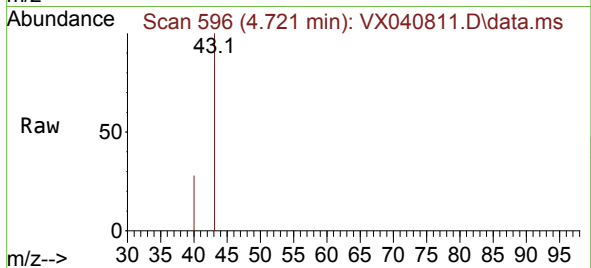
Tgt Ion: 43 Resp: 924

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.116 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX040811.D

Acq: 27 Mar 2024 14:24

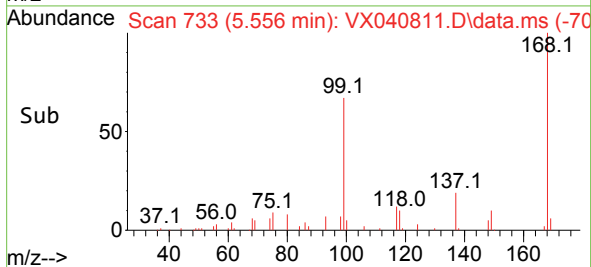
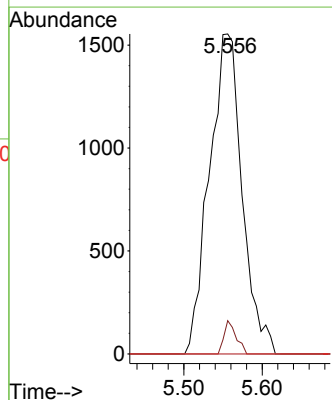
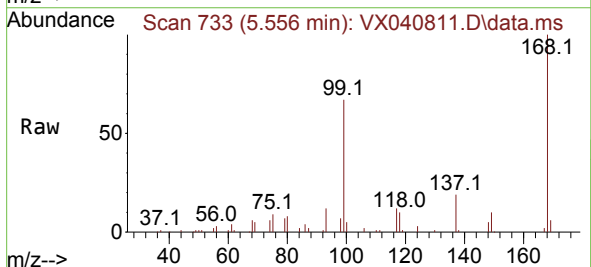
Tgt Ion: 117 Resp: 4513

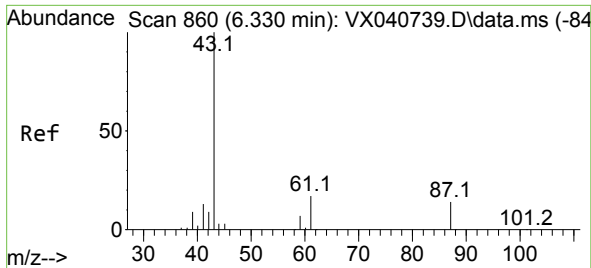
Ion Ratio Lower Upper

117 100

119 10.4 78.2 117.2#

121 0.0 24.4 36.6#

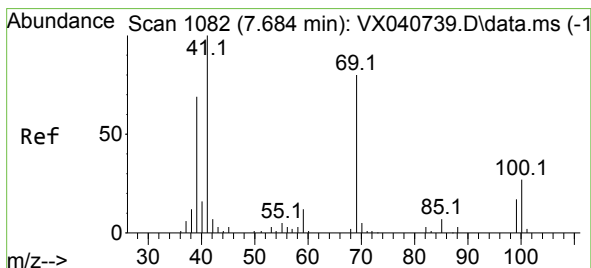
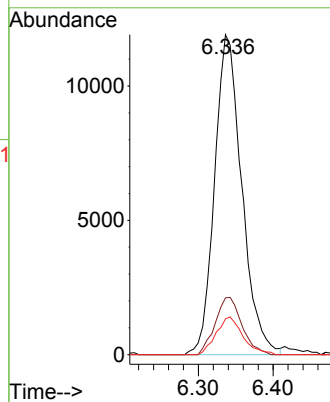
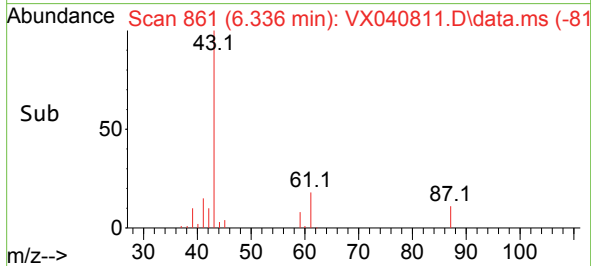
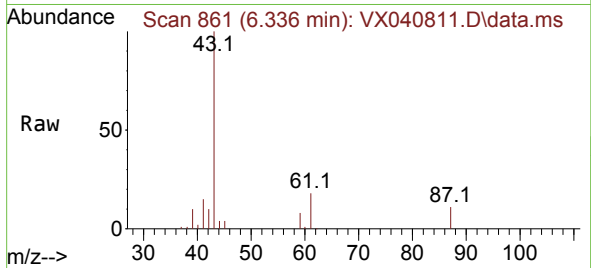




#43
Isopropyl Acetate
Concen: 21.575 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

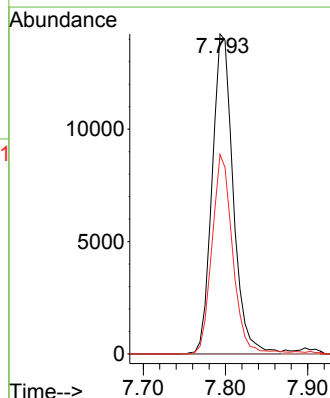
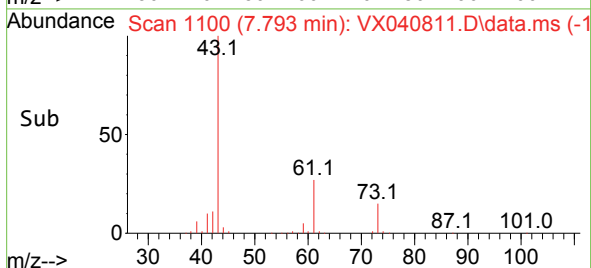
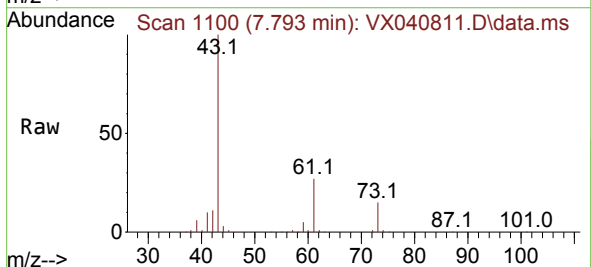
Instrument :
MSVOA_X
ClientSampleId :
SOIL-2

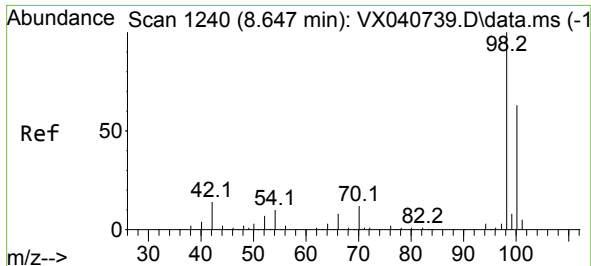
Tgt Ion: 43	Resp: 30150
Ion Ratio	Lower Upper
43 100	
61 17.6	15.2 22.8
87 11.6	9.8 14.6



#48
Methyl methacrylate
Concen: 39.657 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

Tgt Ion: 41	Resp: 25329
Ion Ratio	Lower Upper
41 100	
69 0.0	59.2 88.8#
39 61.4	47.7 71.5

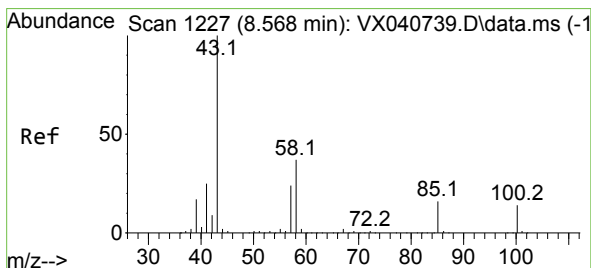
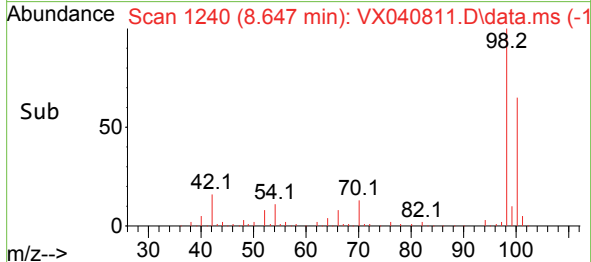
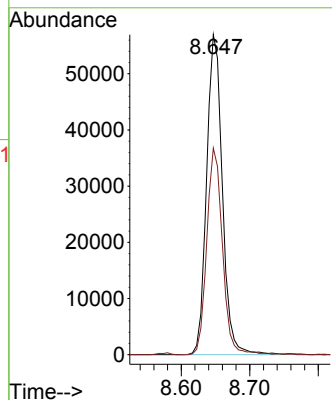
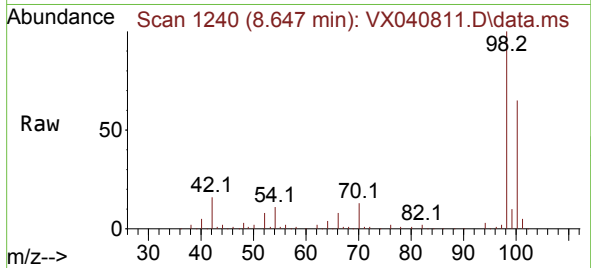




#50
Toluene-d8
Concen: 50.038 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

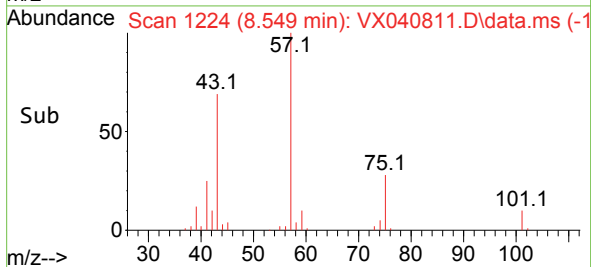
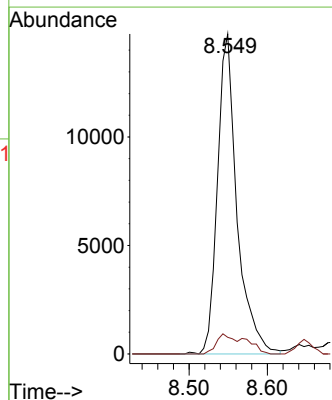
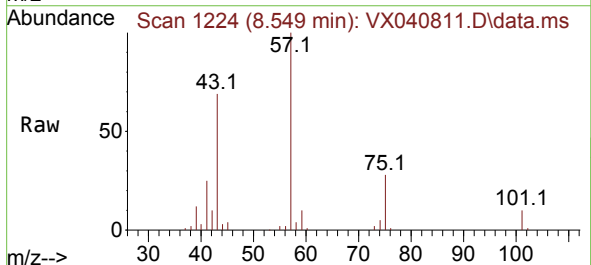
Instrument :
MSVOA_X
ClientSampleId :
SOIL-2

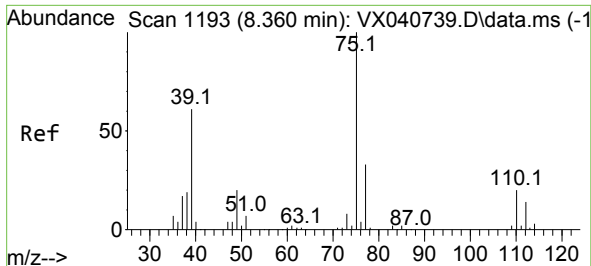
Tgt Ion: 98 Resp: 91194
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 29.483 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

Tgt Ion: 43 Resp: 25551
Ion Ratio Lower Upper
43 100
58 5.8 30.4 45.6#

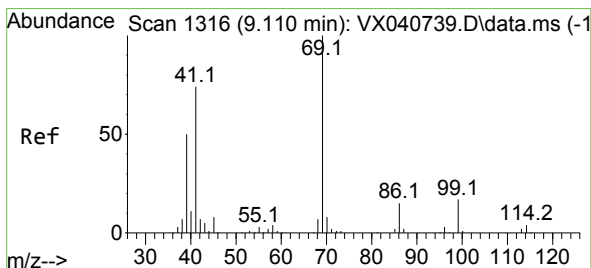
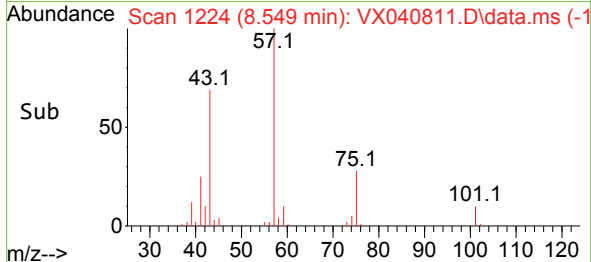
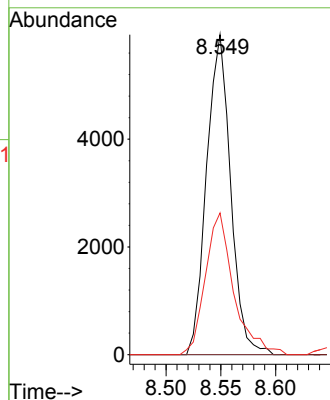
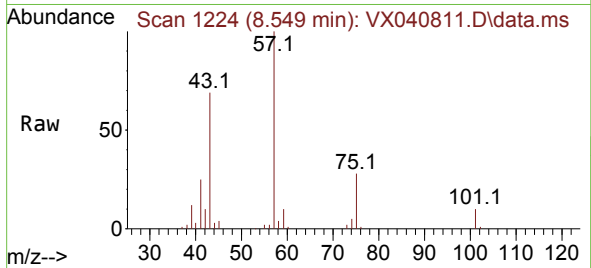




#54
cis-1,3-Dichloropropene
Concen: 10.309 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.189 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

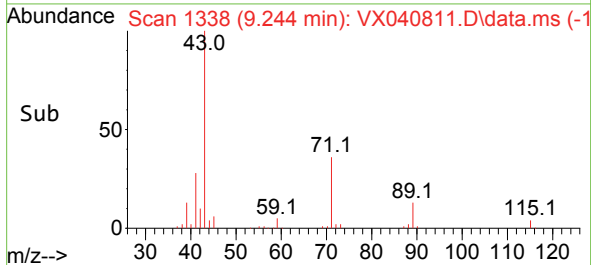
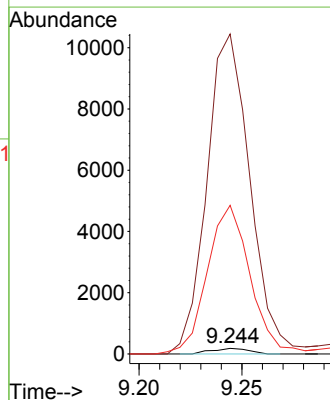
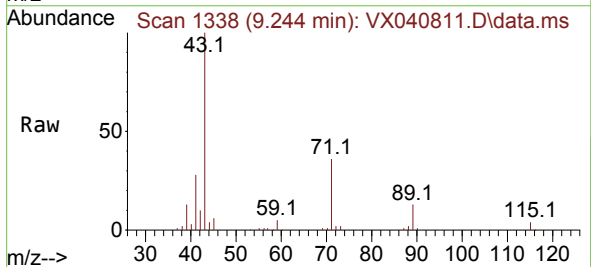
Instrument :
MSVOA_X
ClientSampleId :
SOIL-2

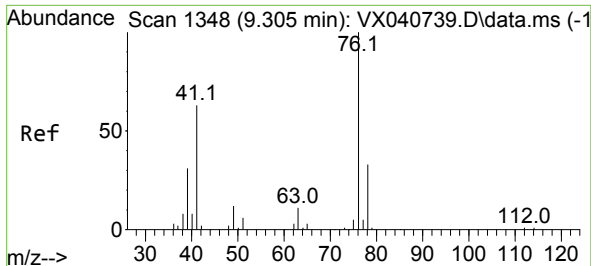
Tgt Ion: 75 Resp: 9062
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 44.3 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.263 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.134 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

Tgt Ion: 69 Resp: 231
Ion Ratio Lower Upper
69 100
41 6609.1 56.8 85.2#
39 3042.4 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.226 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX040811.D

Acq: 27 Mar 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

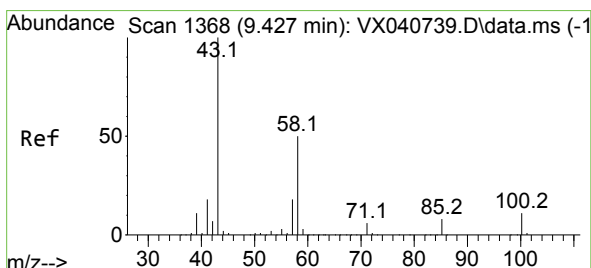
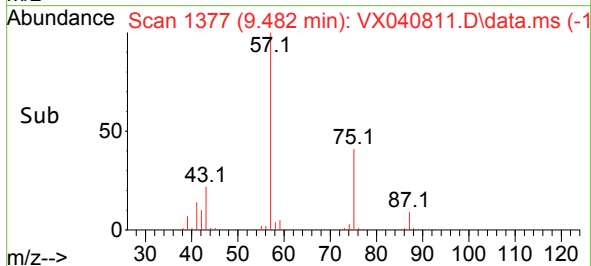
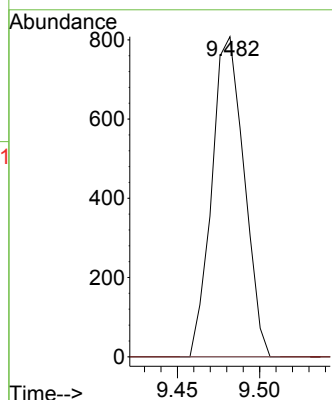
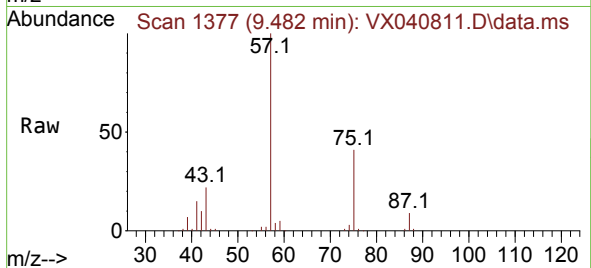
SOIL-2

Tgt Ion: 76 Resp: 1100

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 23.273 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040811.D

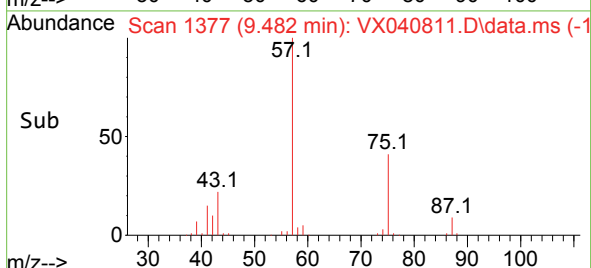
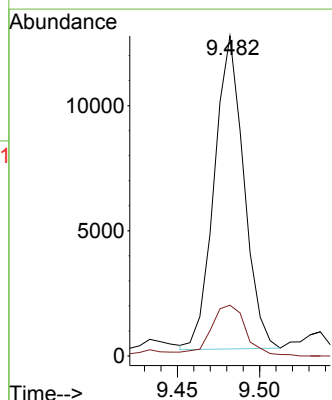
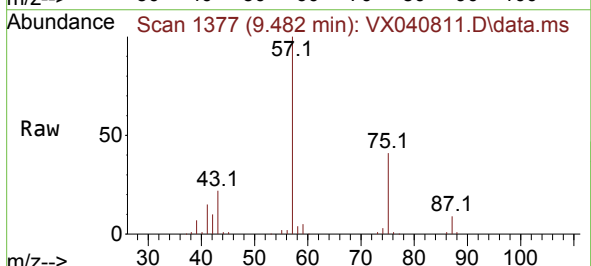
Acq: 27 Mar 2024 14:24

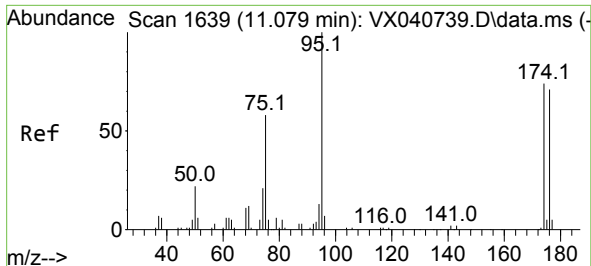
Tgt Ion: 43 Resp: 15624

Ion Ratio Lower Upper

43 100

58 19.5 26.2 78.5#

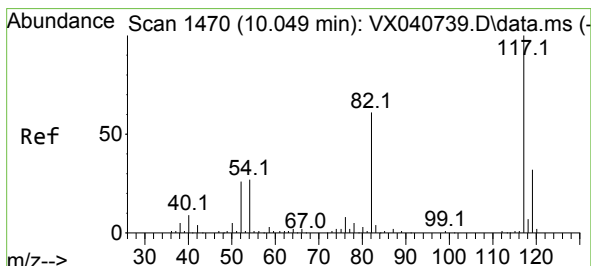
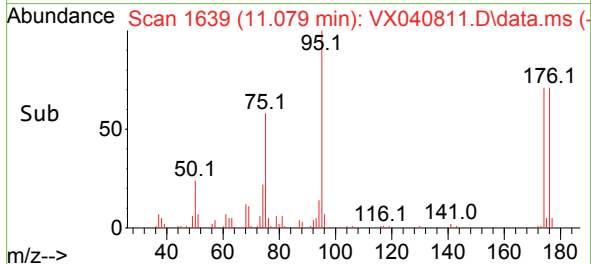
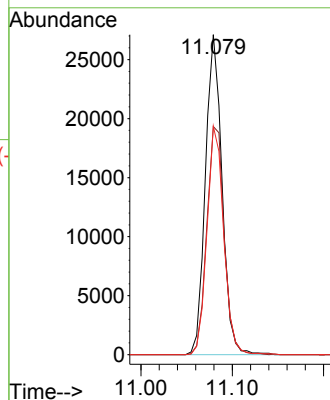
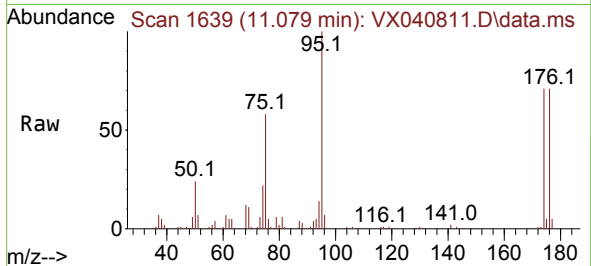




#62
4-Bromofluorobenzene
Concen: 47.475 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

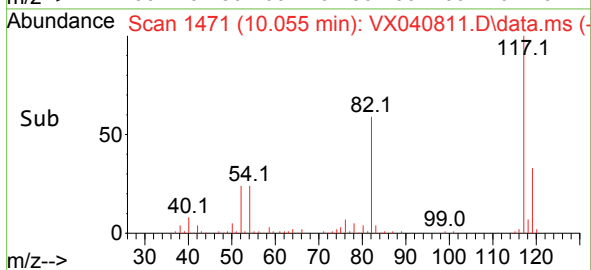
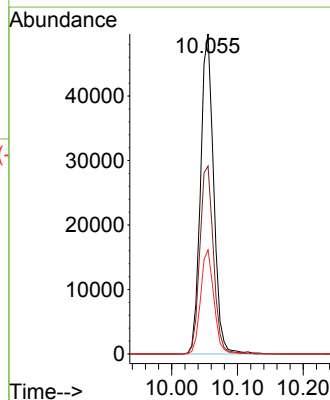
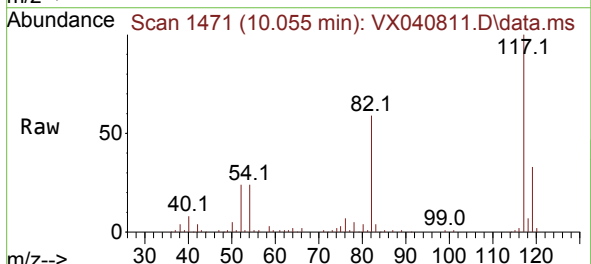
Instrument :
MSVOA_X
ClientSampleId :
SOIL-2

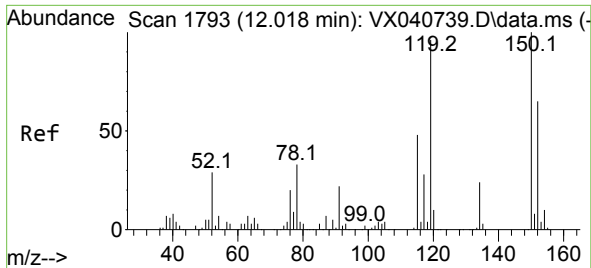
Tgt Ion: 95 Resp: 34184
Ion Ratio Lower Upper
95 100
174 74.8 0.0 135.6
176 71.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040811.D
Acq: 27 Mar 2024 14:24

Tgt Ion: 117 Resp: 68810
Ion Ratio Lower Upper
117 100
82 58.7 46.2 69.4
119 32.5 25.5 38.3

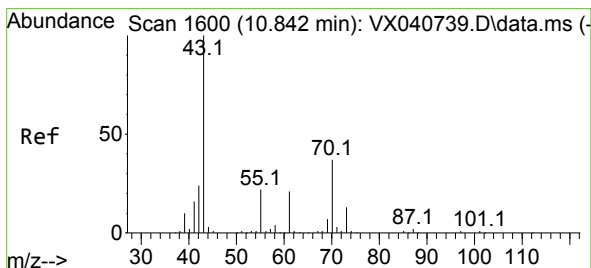
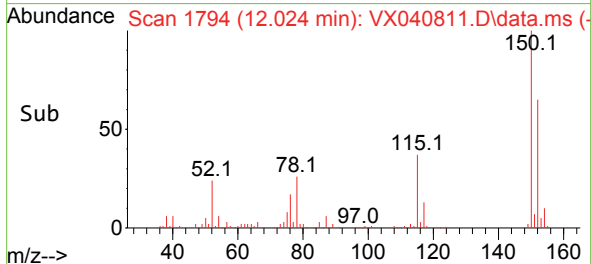
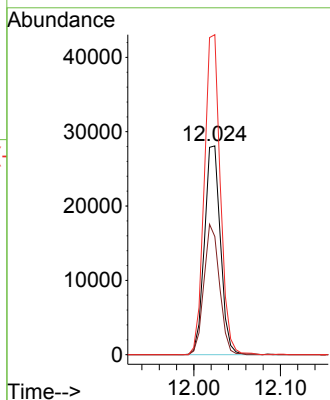
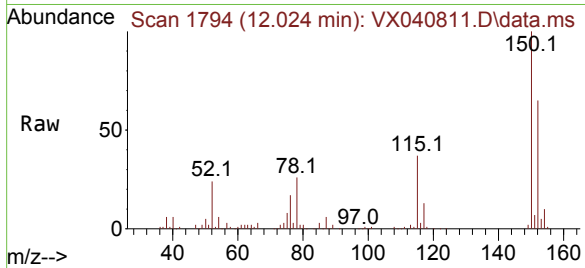




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX040811.D
 Acq: 27 Mar 2024 14:24

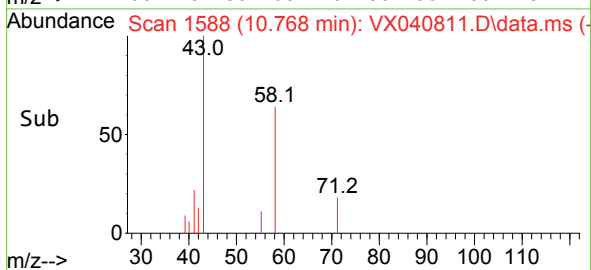
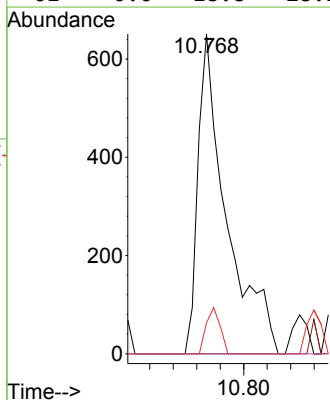
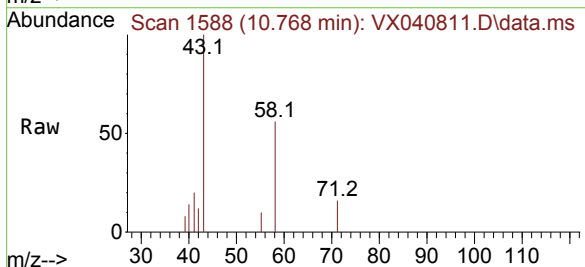
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-2

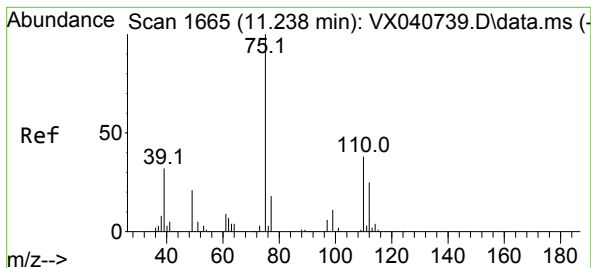
Tgt Ion:152 Resp: 36102
 Ion Ratio Lower Upper
 152 100
 115 60.6 43.3 129.9
 150 153.0 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.814 ug/l
 RT: 10.768 min Scan# 1588
 Delta R.T. -0.073 min
 Lab File: VX040811.D
 Acq: 27 Mar 2024 14:24

Tgt Ion: 43 Resp: 1098
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 6.9 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.661 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040811.D

Acq: 27 Mar 2024 14:24

Instrument :

MSVOA_X

ClientSampleId :

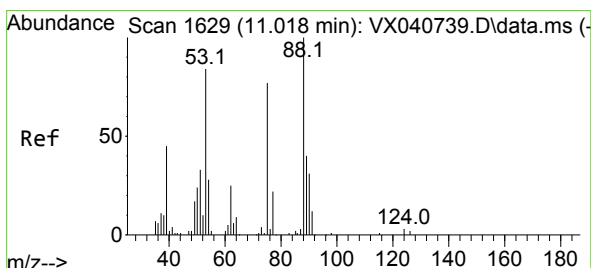
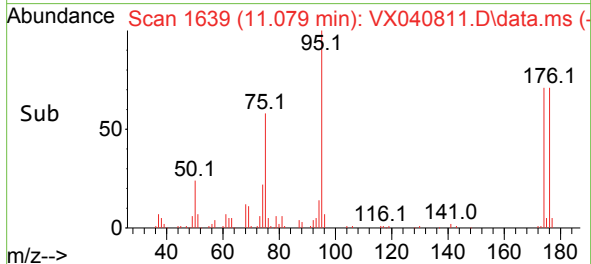
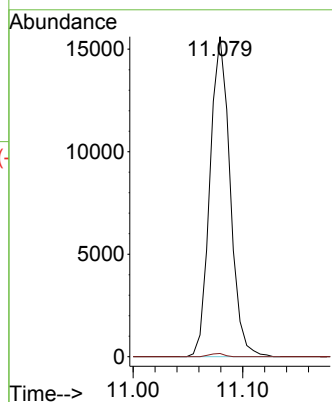
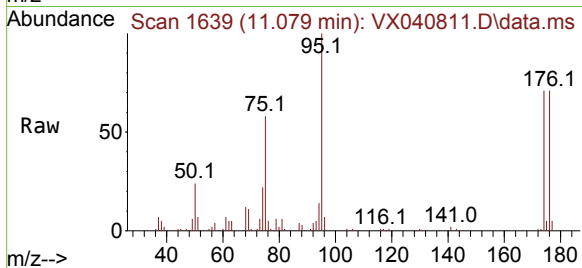
SOIL-2

Tgt Ion: 75 Resp: 19925

Ion Ratio Lower Upper

75 100

77 0.7 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.918 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040811.D

Acq: 27 Mar 2024 14:24

Tgt Ion: 75 Resp: 19925

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

