

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040424\
 Data File : VX040884.D
 Acq On : 04 Apr 2024 13:41
 Operator : JC/MD
 Sample : P1974-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-3

Quant Time: Apr 05 04:10:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

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

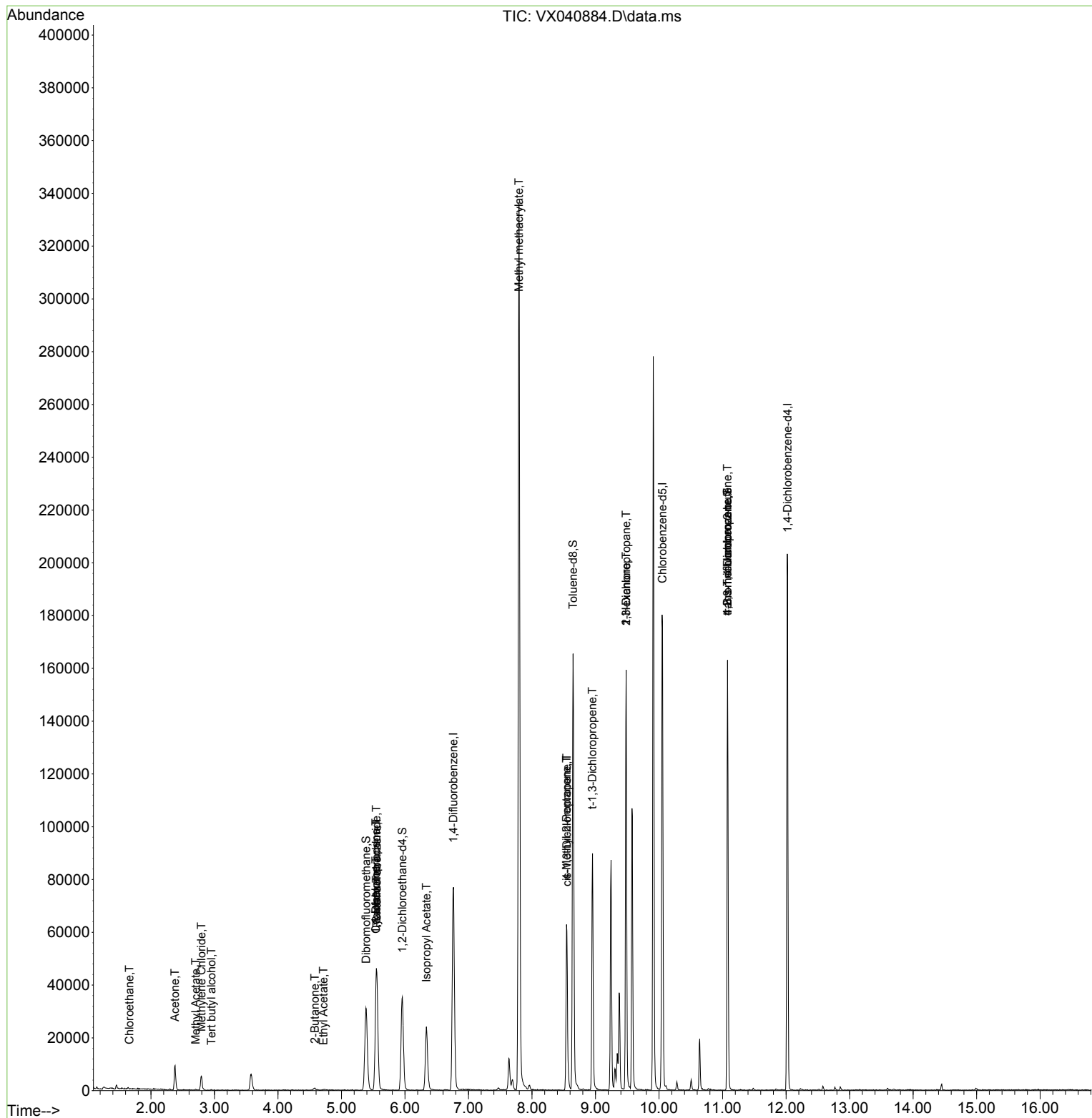
Internal Standards						
1) Pentafluorobenzene	5.556	168	41402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	75153	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	76867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	36843	49.596	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.200%
35) Dibromofluoromethane	5.385	113	26386	49.569	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.140%
50) Toluene-d8	8.647	98	95451	49.624	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.240%
62) 4-Bromofluorobenzene	11.079	95	39913	51.961	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.920%
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	106	0.329	ug/l #	43
11) Tert butyl alcohol	2.953	59	139	1.025	ug/l #	78
16) Acetone	2.380	43	10155	35.206	ug/l	96
18) Methyl Acetate	2.703	43	406	0.593	ug/l #	53
20) Methylene Chloride	2.794	84	2360	4.415	ug/l	96
25) 2-Butanone	4.580	43	1335	3.116	ug/l	96
31) Cyclohexane	5.544	56	1110	1.408	ug/l #	32
36) 1,1-Dichloropropene	5.544	75	4037	5.337	ug/l #	49
37) Ethyl Acetate	4.715	43	706	0.760	ug/l #	69
38) Carbon Tetrachloride	5.550	117	4600	5.494	ug/l #	16
43) Isopropyl Acetate	6.336	43	32518	22.671	ug/l	98
48) Methyl methacrylate	7.793	41	32626	46.451	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	25321	26.615	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	201	0.979	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	9277	10.948	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1240	1.372	ug/l #	42
59) 2-Hexanone	9.482	43	20558	26.943	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	23952	29.224	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	23952	78.846	ug/l #	5

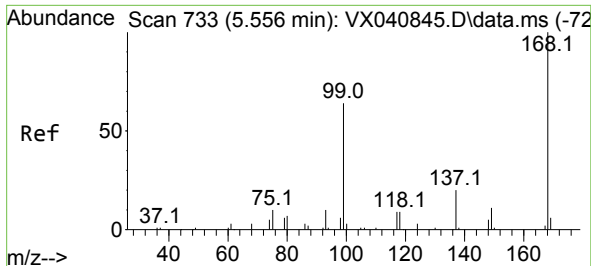
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
SOIL-3

Quant Time: Apr 05 04:10:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 02 05:40:55 2024
Response via : Initial Calibration

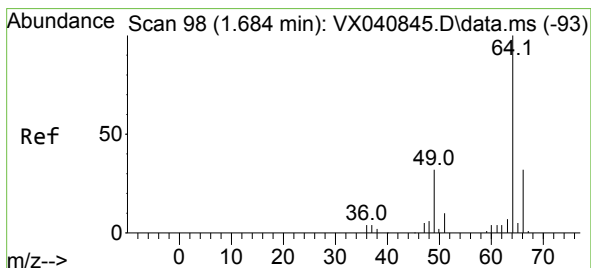
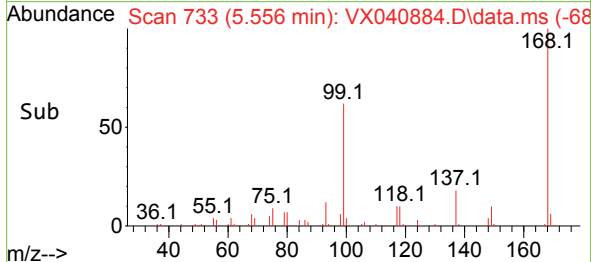
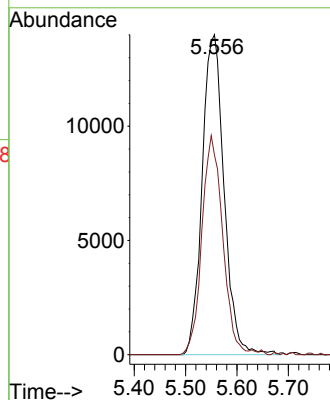
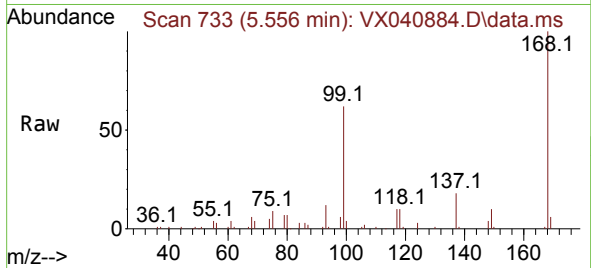




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

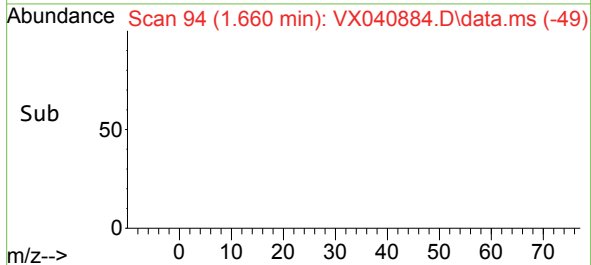
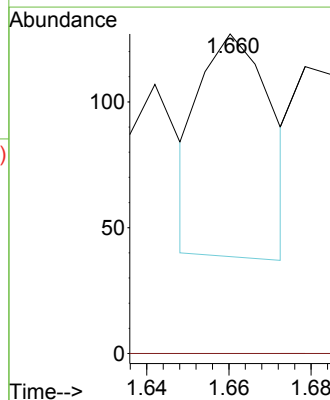
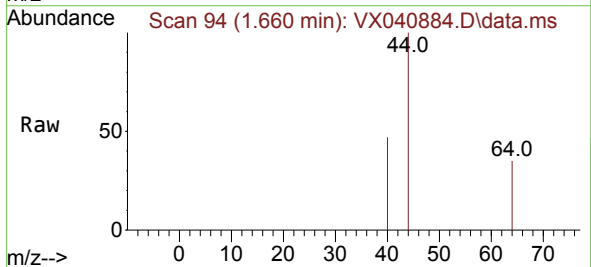
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

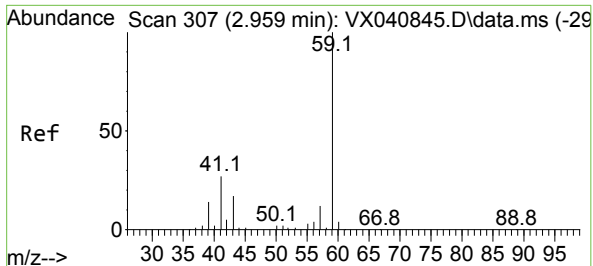
Tgt Ion:168 Resp: 41402
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#6
Chloroethane
Concen: 0.329 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.024 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

Tgt Ion: 64 Resp: 106
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

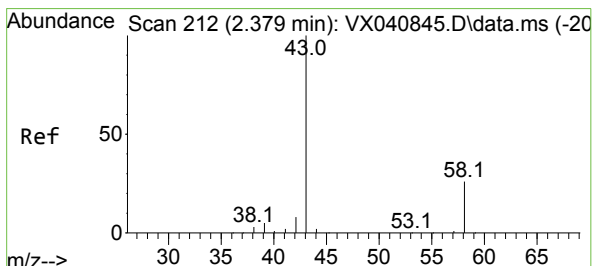
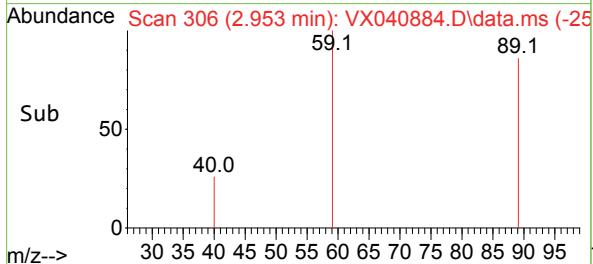
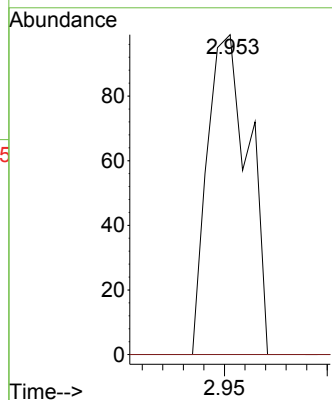
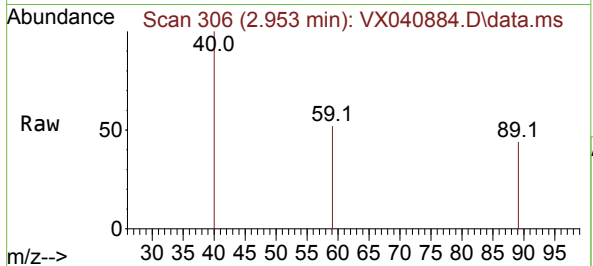




#11
Tert butyl alcohol
Concen: 1.025 ug/l
RT: 2.953 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

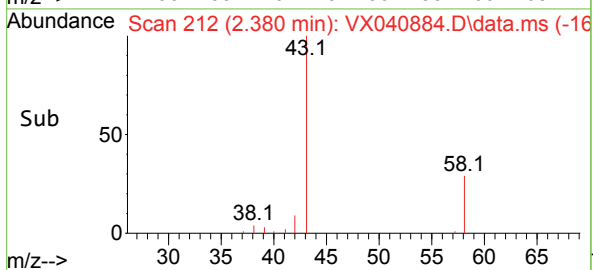
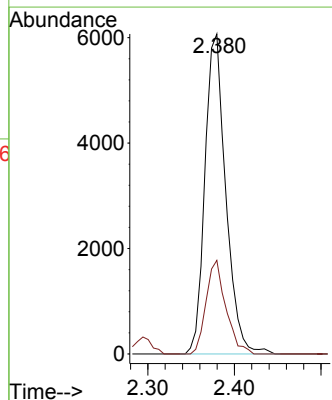
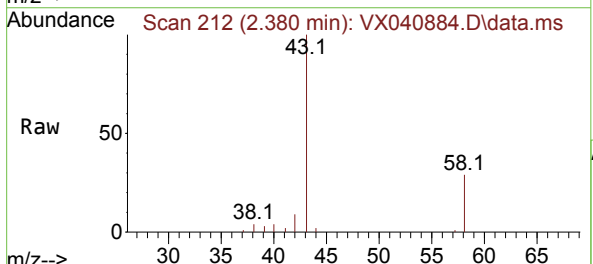
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

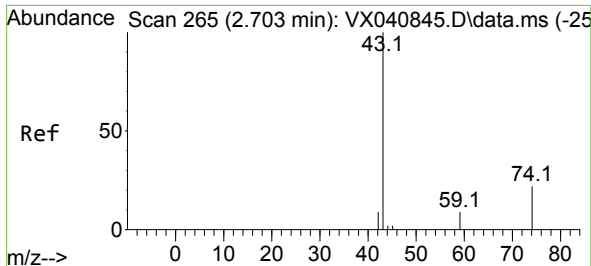
Tgt Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 35.206 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

Tgt Ion: 43 Resp: 10155
Ion Ratio Lower Upper
43 100
58 29.3 21.9 32.9

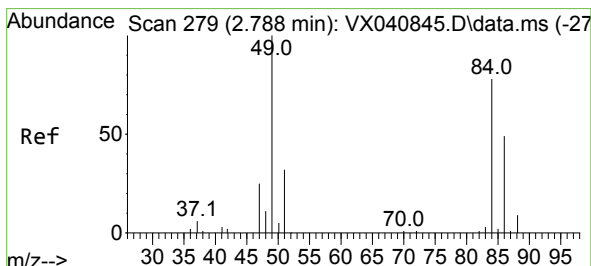
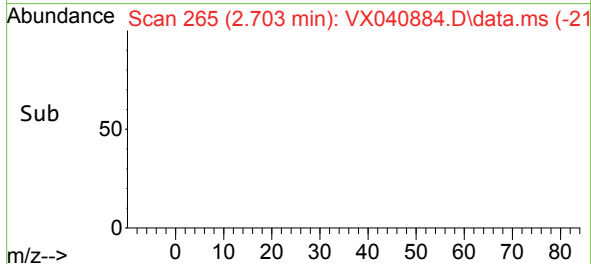
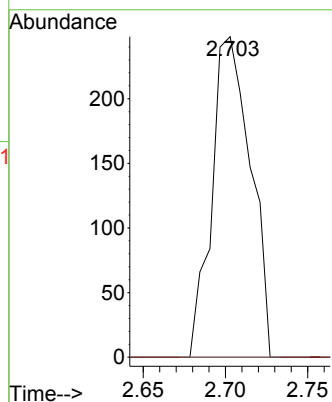
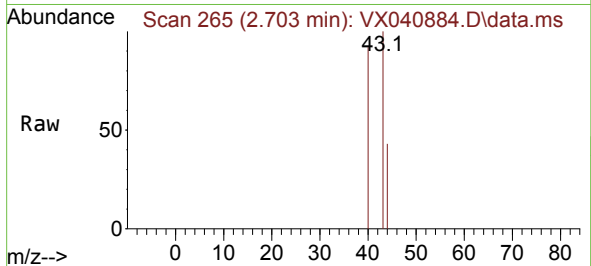




#18
Methyl Acetate
Concen: 0.593 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

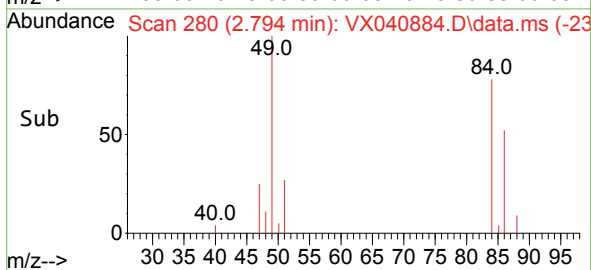
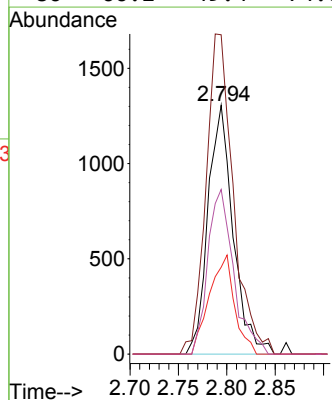
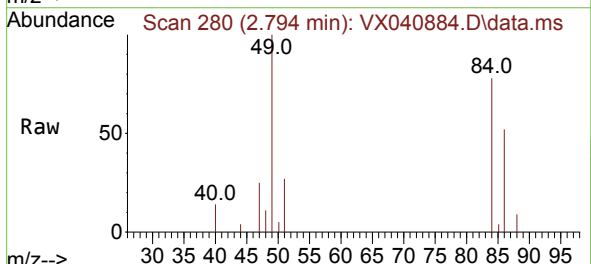
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

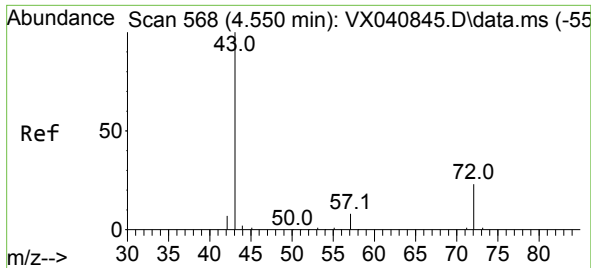
Tgt Ion: 43 Resp: 406
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 4.415 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

Tgt Ion: 84 Resp: 2360
Ion Ratio Lower Upper
84 100
49 128.4 103.6 155.4
51 34.9 33.8 50.6
86 66.2 49.4 74.0

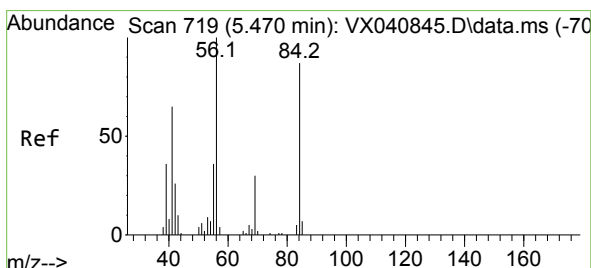
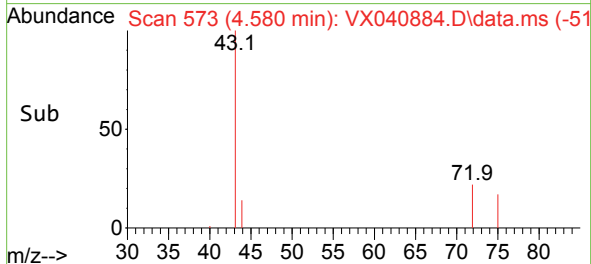
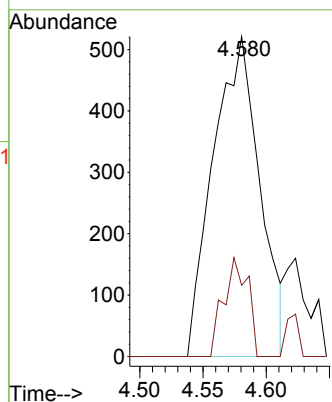
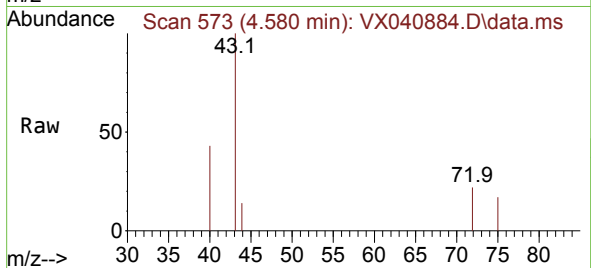




#25
2-Butanone
Concen: 3.116 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

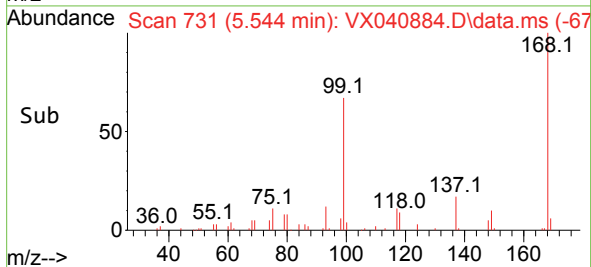
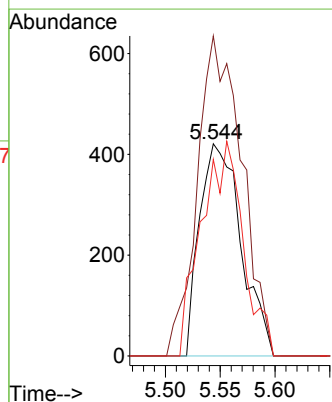
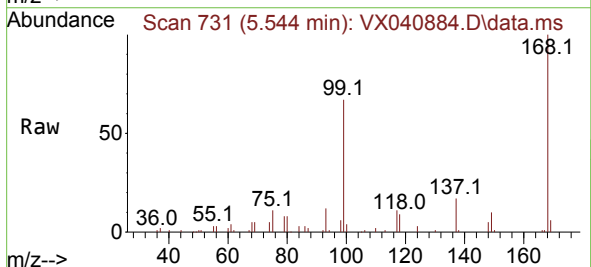
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

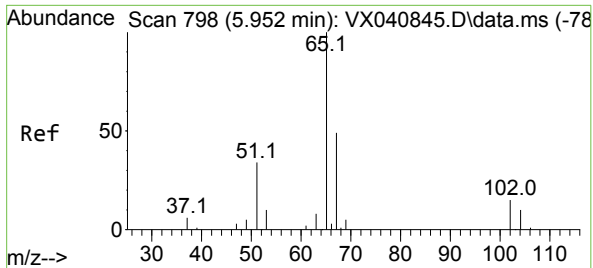
Tgt Ion: 43 Resp: 1335
Ion Ratio Lower Upper
43 100
72 22.3 19.4 29.2



#31
Cyclohexane
Concen: 1.408 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

Tgt Ion: 56 Resp: 1110
Ion Ratio Lower Upper
56 100
69 150.8 23.4 35.2#
84 92.6 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 49.596 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040884.D

Acq: 04 Apr 2024 13:41

Instrument :

MSVOA_X

ClientSampleId :

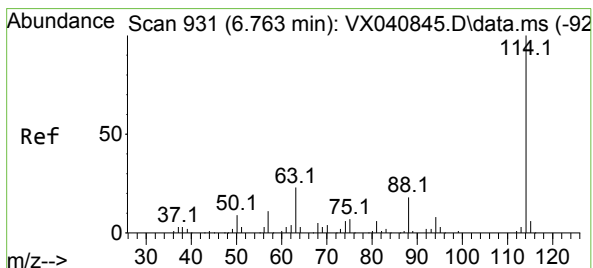
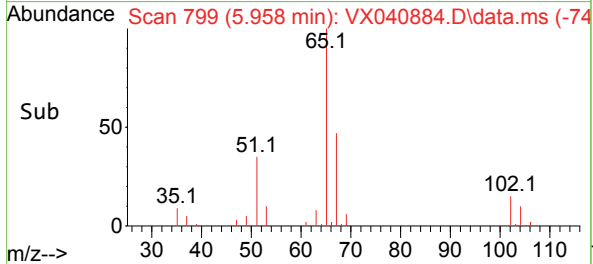
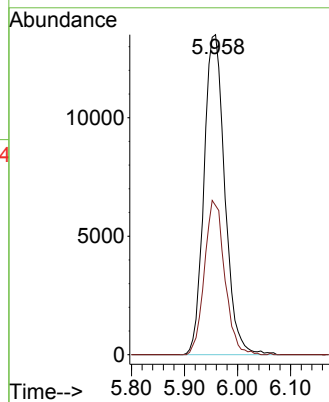
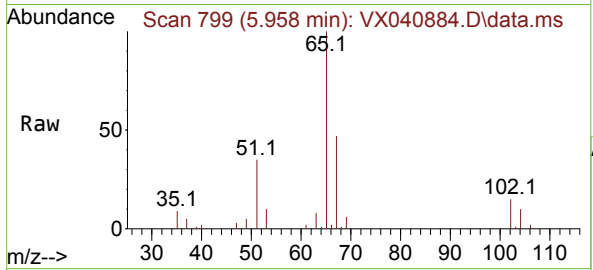
SOIL-3

Tgt Ion: 65 Resp: 36843

Ion Ratio Lower Upper

65 100

67 47.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX040884.D

Acq: 04 Apr 2024 13:41

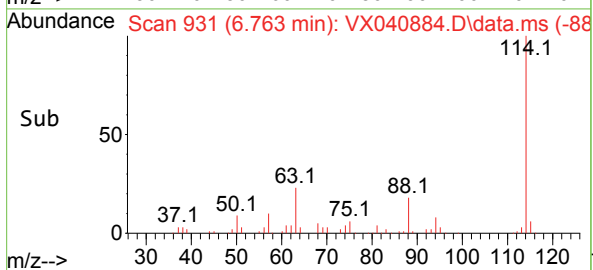
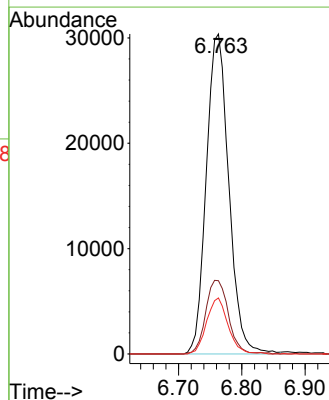
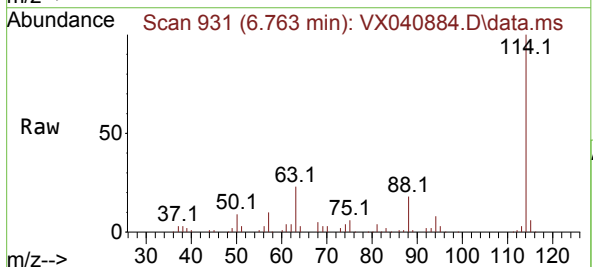
Tgt Ion: 114 Resp: 75153

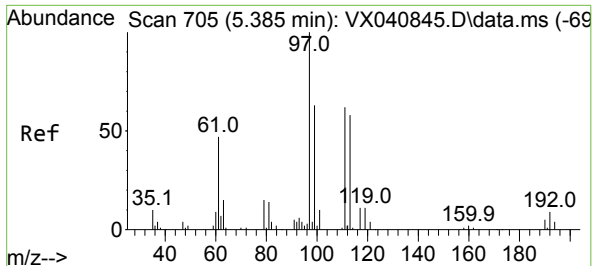
Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.0

88 17.5 0.0 36.6

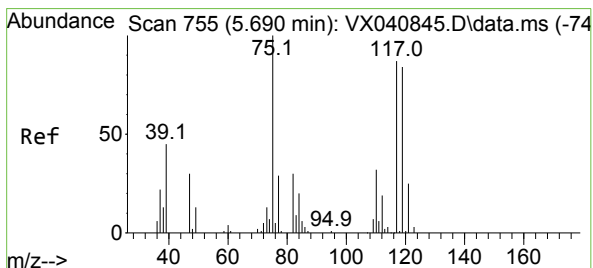
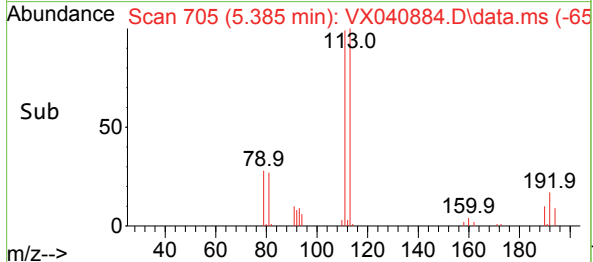
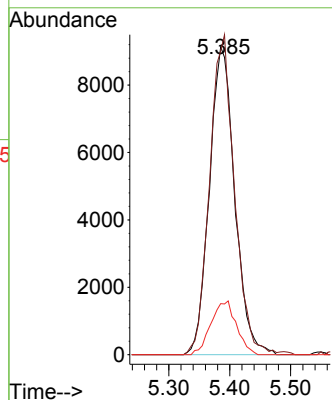
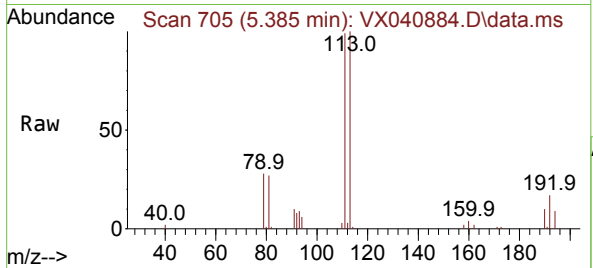




#35
Dibromofluoromethane
Concen: 49.569 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

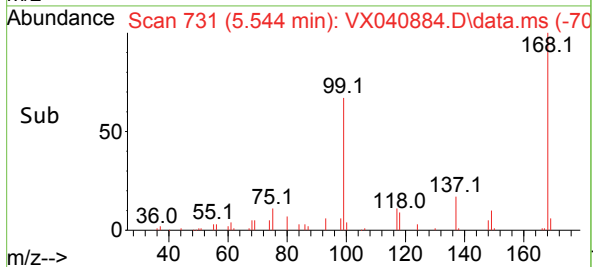
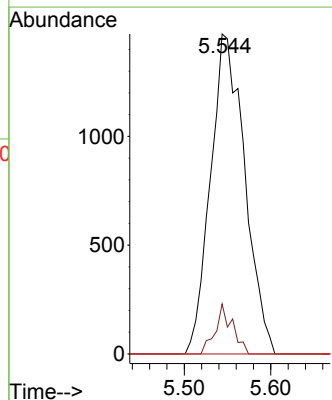
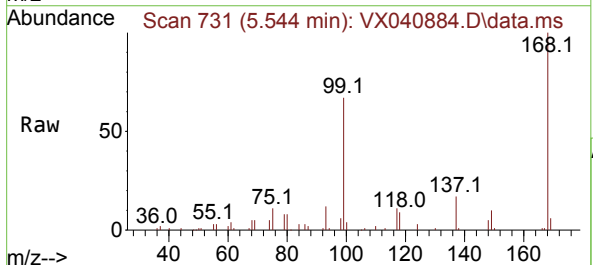
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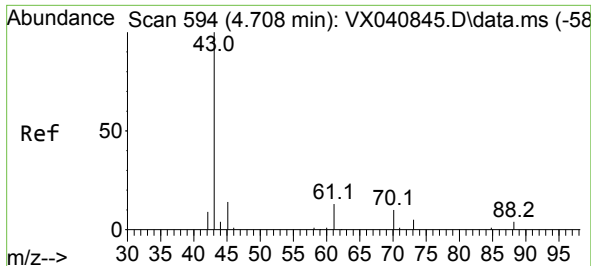
Tgt Ion:113 Resp: 26386
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 17.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.337 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

Tgt Ion: 75 Resp: 4037
Ion Ratio Lower Upper
75 100
110 7.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.760 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX040884.D

Acq: 04 Apr 2024 13:41

Instrument :

MSVOA_X

ClientSampleId :

SOIL-3

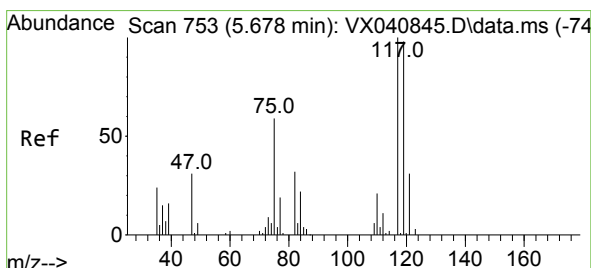
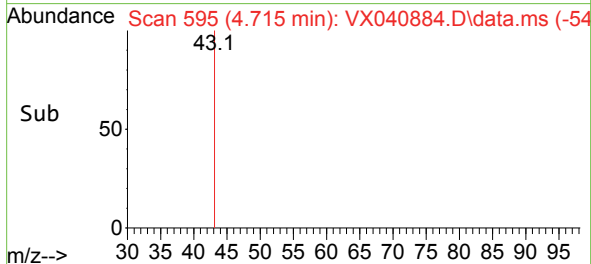
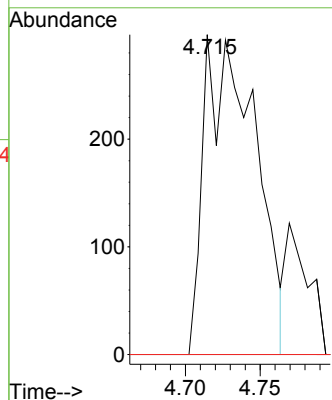
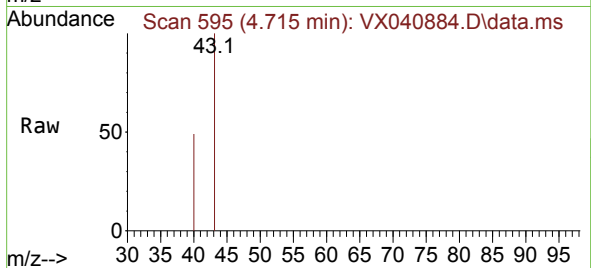
Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.494 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX040884.D

Acq: 04 Apr 2024 13:41

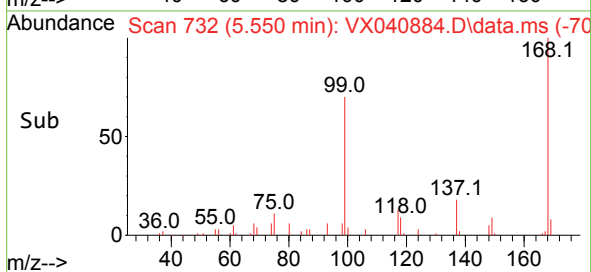
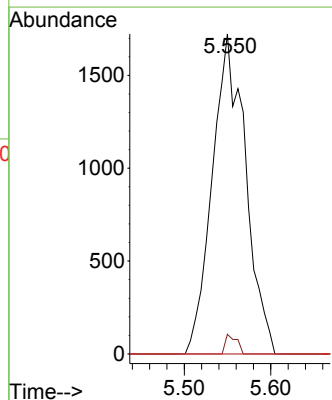
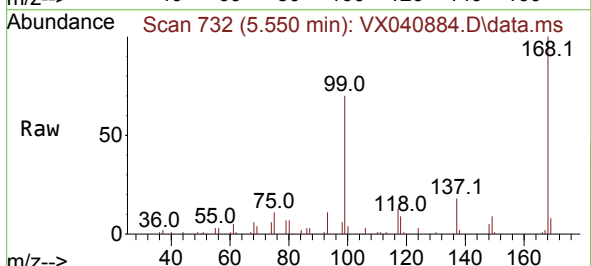
Tgt Ion: 117 Resp: 4600

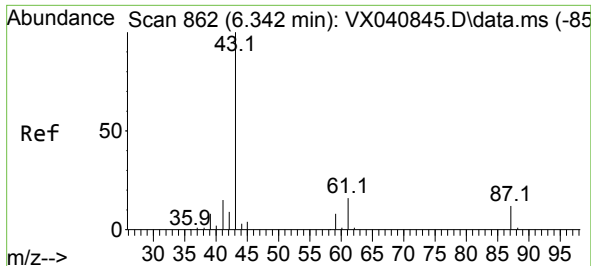
Ion Ratio Lower Upper

117 100

119 6.2 78.2 117.2#

121 0.0 24.4 36.6#

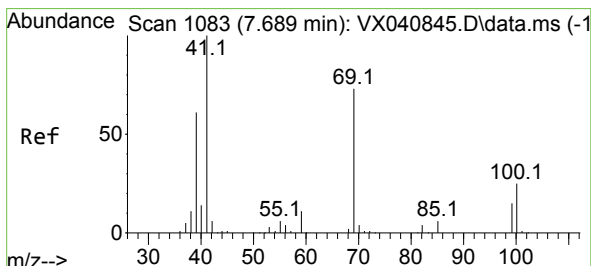
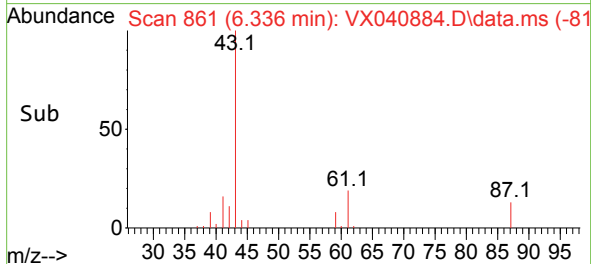
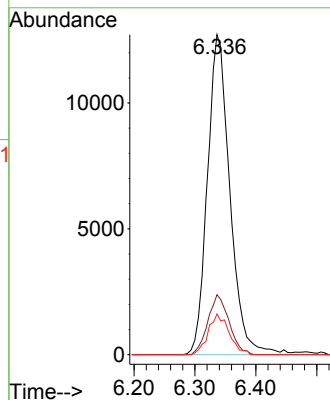
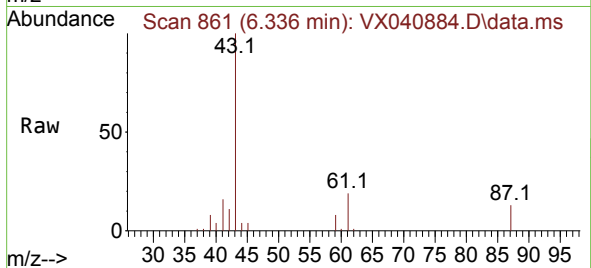




#43
Isopropyl Acetate
Concen: 22.671 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

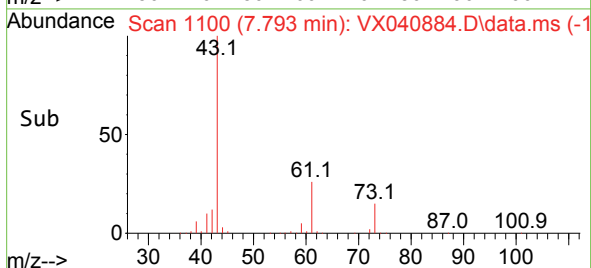
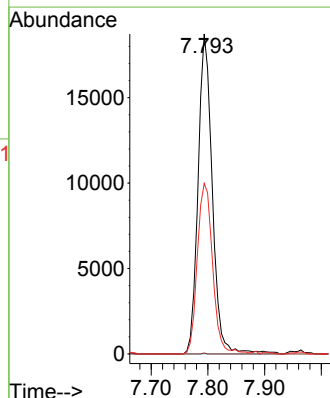
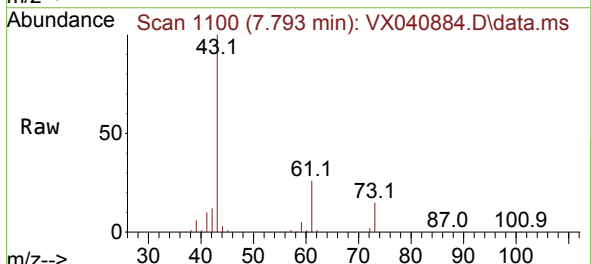
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

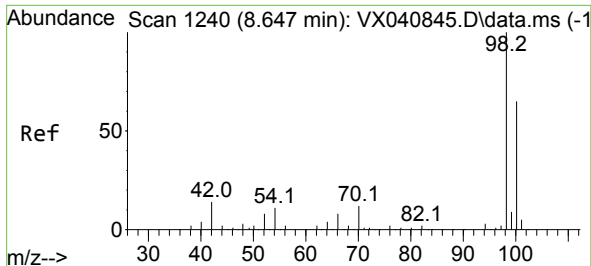
Tgt Ion: 43 Resp: 32518
Ion Ratio Lower Upper
43 100
61 17.7 15.2 22.8
87 11.9 9.8 14.6



#48
Methyl methacrylate
Concen: 46.451 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

Tgt Ion: 41 Resp: 32626
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 57.2 47.7 71.5

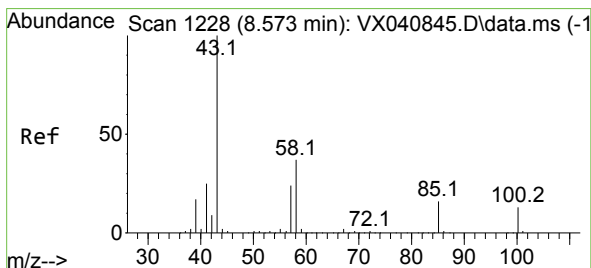
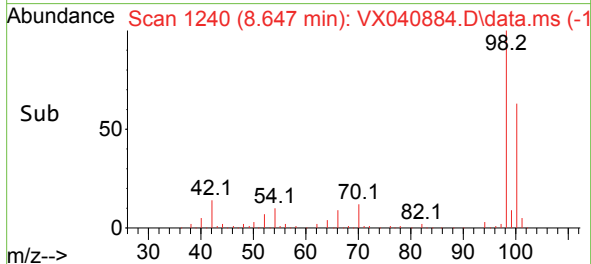
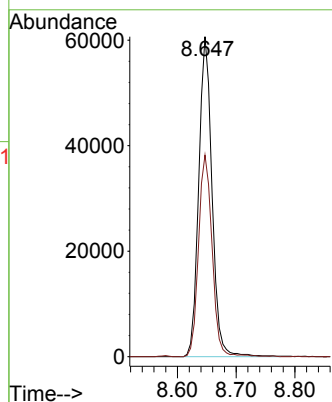
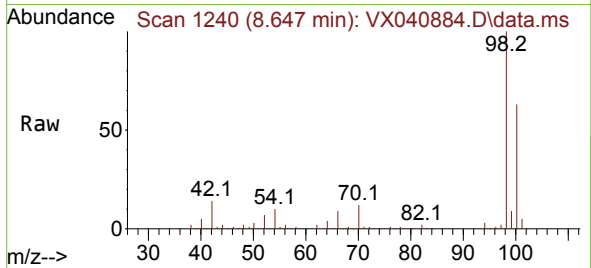




#50
Toluene-d8
Concen: 49.624 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

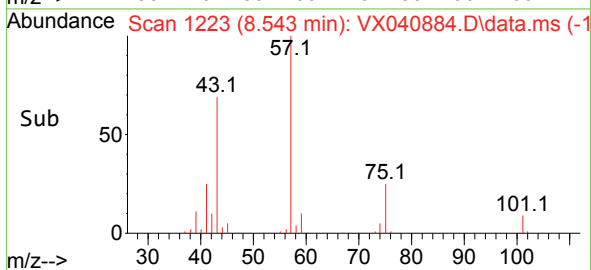
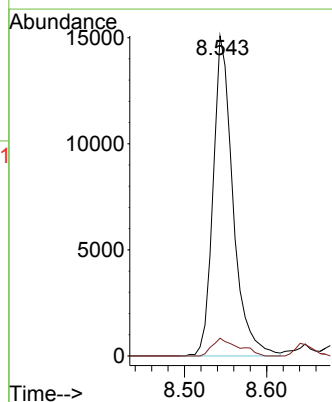
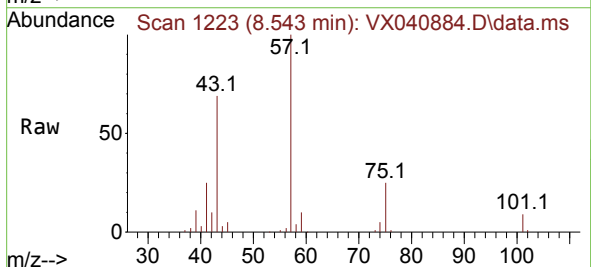
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

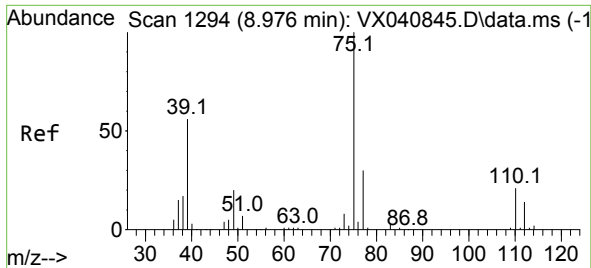
Tgt Ion: 98 Resp: 95451
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 26.615 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

Tgt Ion: 43 Resp: 25321
Ion Ratio Lower Upper
43 100
58 7.3 30.4 45.6#

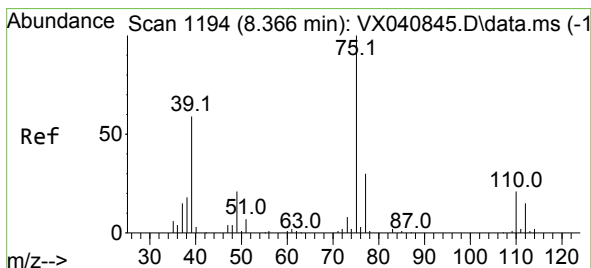
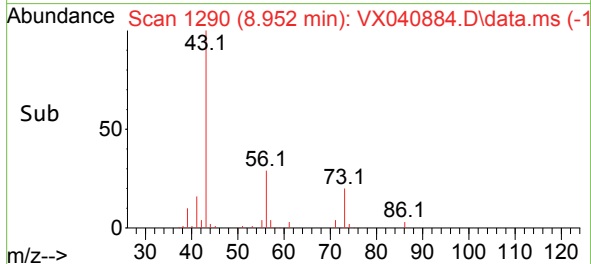
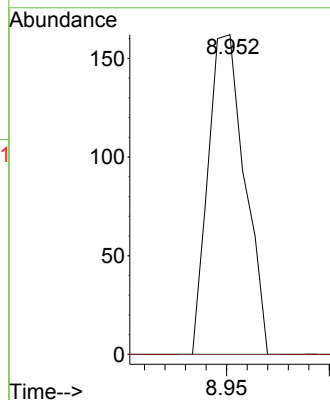
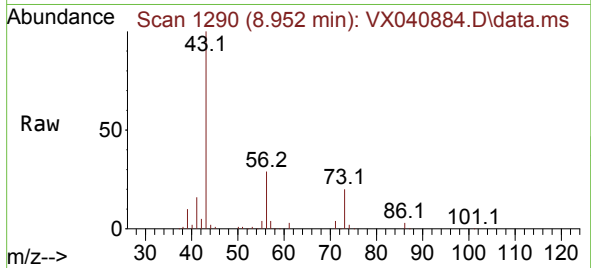




#53
 t-1,3-Dichloropropene
 Concen: 0.979 ug/l
 RT: 8.952 min Scan# 1124
 Delta R.T. -0.024 min
 Lab File: VX040884.D
 Acq: 04 Apr 2024 13:41

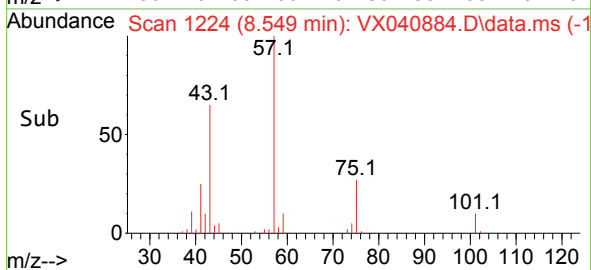
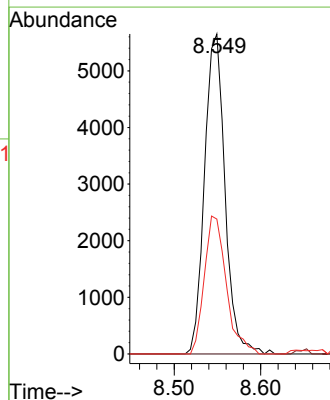
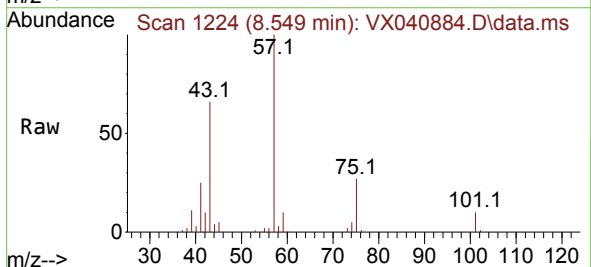
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-3

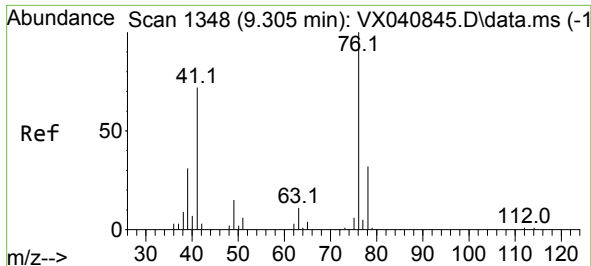
Tgt Ion: 75 Resp: 201
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 10.948 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040884.D
 Acq: 04 Apr 2024 13:41

Tgt Ion: 75 Resp: 9277
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 42.1 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.372 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX040884.D

Acq: 04 Apr 2024 13:41

Instrument :

MSVOA_X

ClientSampleId :

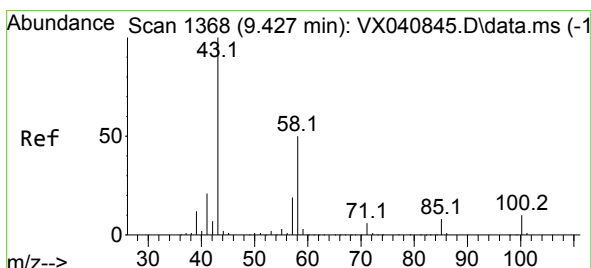
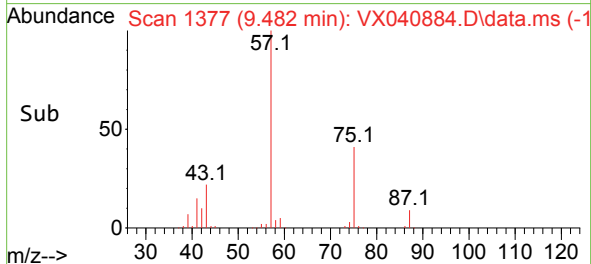
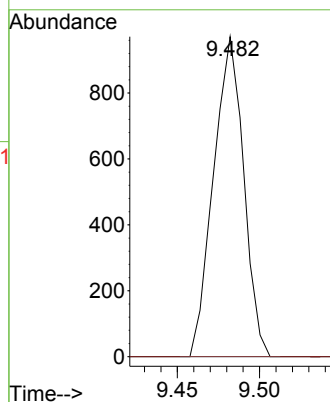
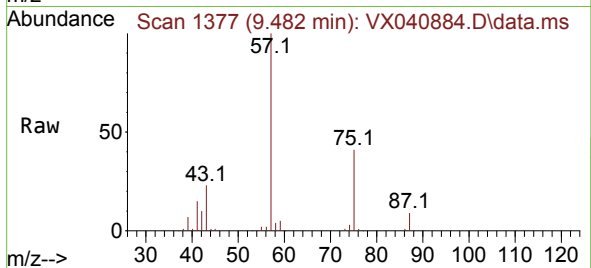
SOIL-3

Tgt Ion: 76 Resp: 1240

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 26.943 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040884.D

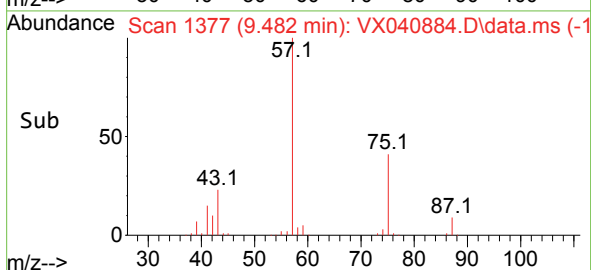
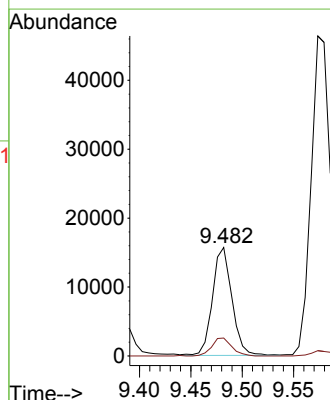
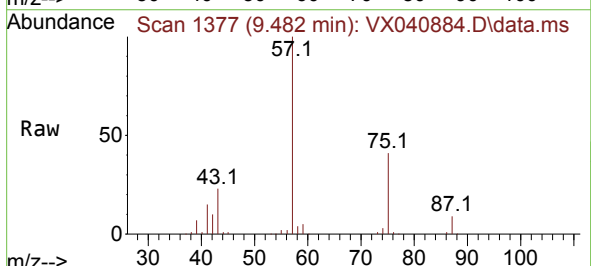
Acq: 04 Apr 2024 13:41

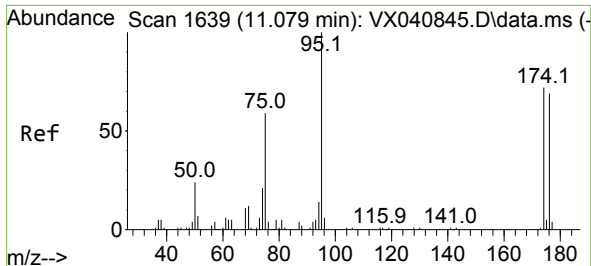
Tgt Ion: 43 Resp: 20558

Ion Ratio Lower Upper

43 100

58 17.2 26.2 78.5#

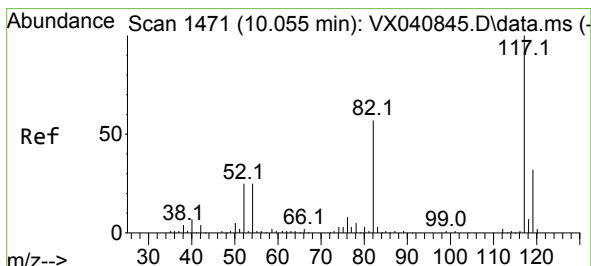
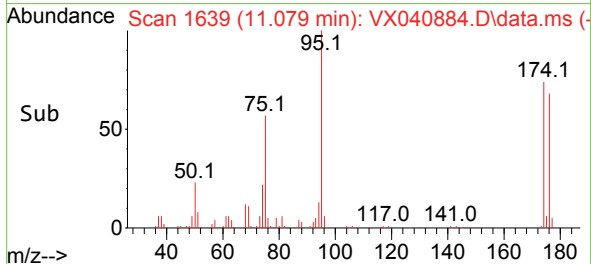
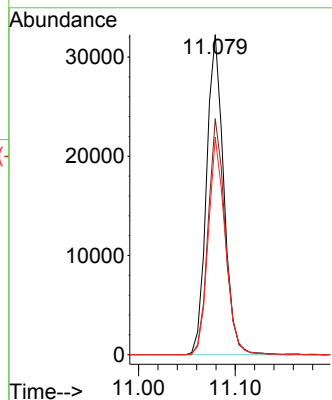
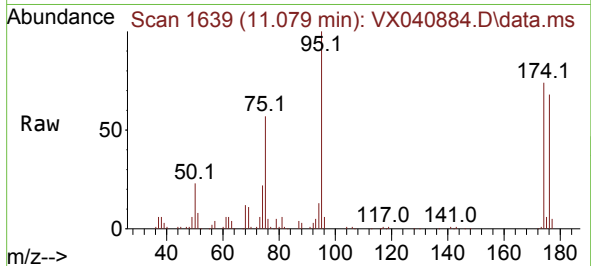




#62
4-Bromofluorobenzene
Concen: 51.961 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

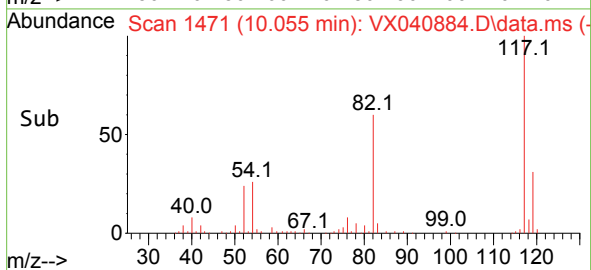
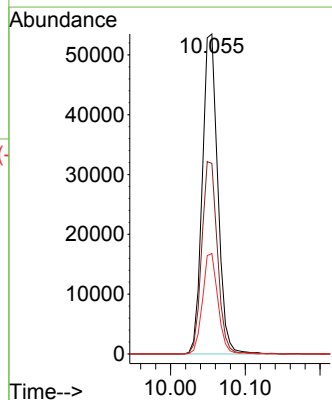
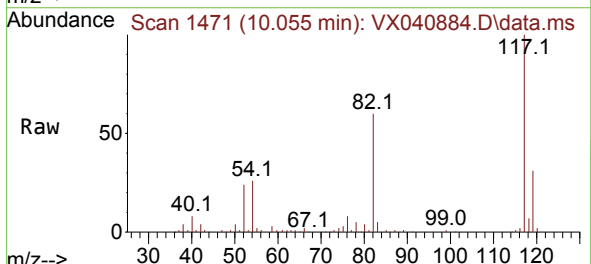
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

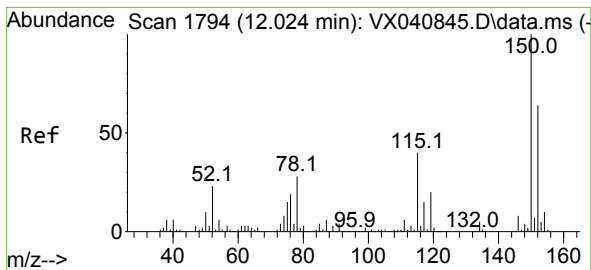
Tgt Ion: 95 Resp: 39913
Ion Ratio Lower Upper
95 100
174 72.8 0.0 135.6
176 67.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040884.D
Acq: 04 Apr 2024 13:41

Tgt Ion: 117 Resp: 76867
Ion Ratio Lower Upper
117 100
82 59.6 46.2 69.4
119 31.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040884.D

Acq: 04 Apr 2024 13:41

Instrument :

MSVOA_X

ClientSampleId :

SOIL-3

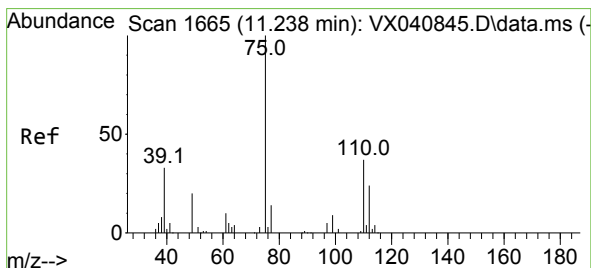
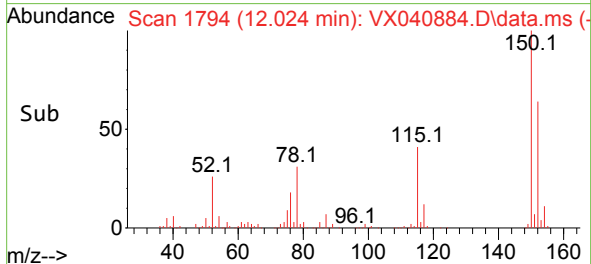
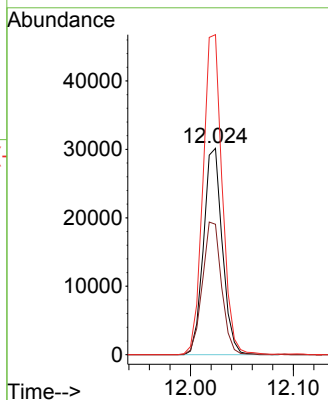
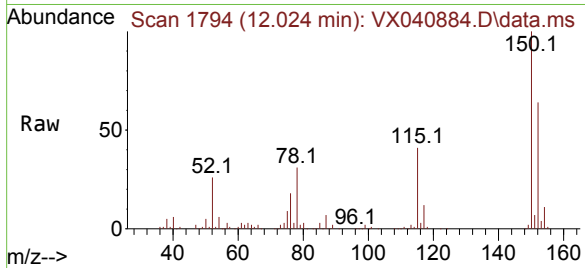
Tgt Ion:152 Resp: 38436

Ion Ratio Lower Upper

152 100

115 65.2 43.3 129.9

150 158.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 29.224 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040884.D

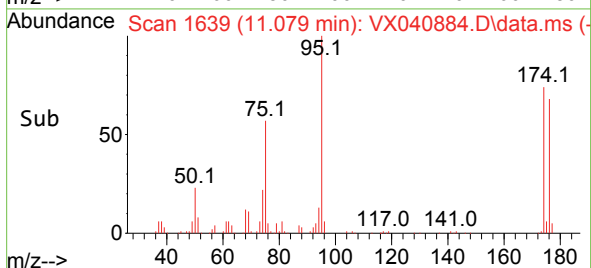
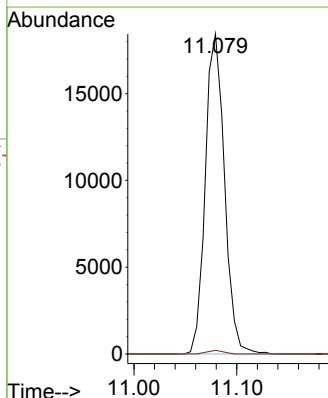
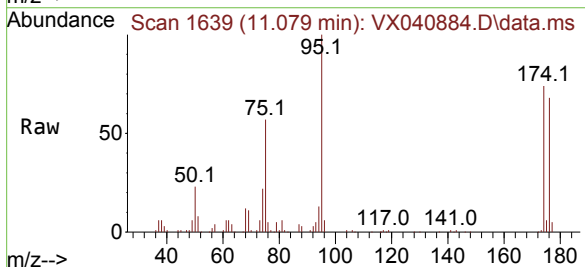
Acq: 04 Apr 2024 13:41

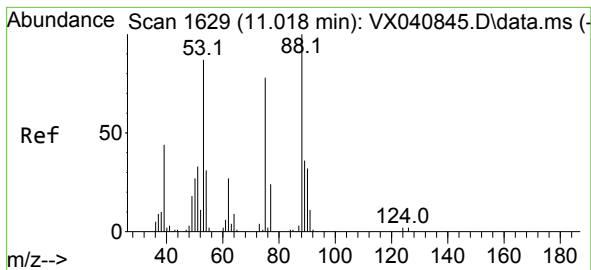
Tgt Ion: 75 Resp: 23952

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.846 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040884.D
 Acq: 04 Apr 2024 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-3

Tgt Ion: 75 Resp: 23952
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

