

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040424\
 Data File : VX040882.D
 Acq On : 04 Apr 2024 12:55
 Operator : JC/MD
 Sample : P1974-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-1

Quant Time: Apr 05 04:09:47 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)

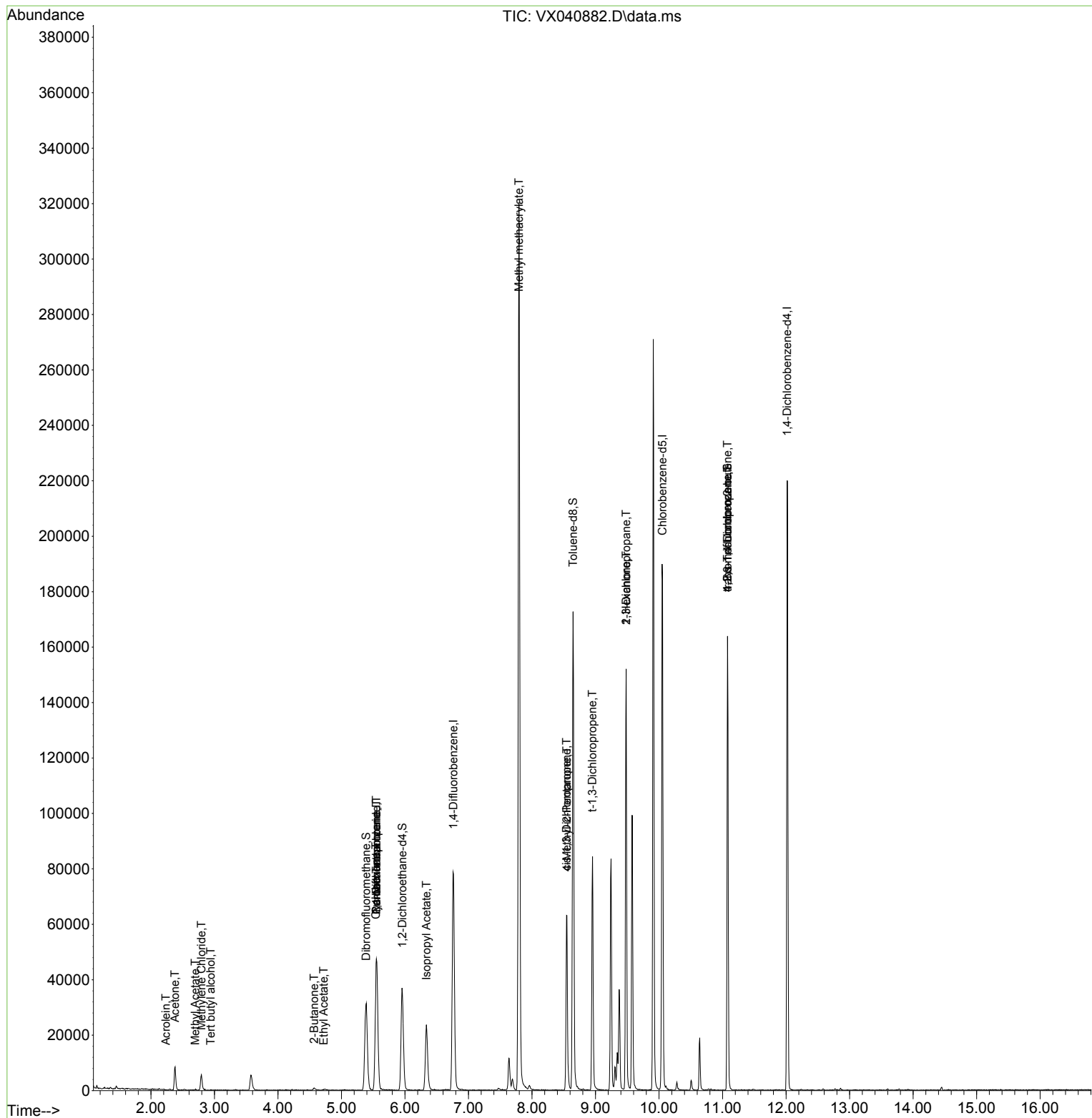
Internal Standards						
1) Pentafluorobenzene	5.550	168	41581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	75786	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	77921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	41261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37366	50.083	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.160%	
35) Dibromofluoromethane	5.385	113	26180	48.771	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.540%	
50) Toluene-d8	8.647	98	98444	50.753	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.500%	
62) 4-Bromofluorobenzene	11.079	95	41177	53.159	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	108	0.793	ug/l #	78
13) Acrolein	2.233	56	18	0.242	ug/l #	14
16) Acetone	2.379	43	9050	31.240	ug/l	94
18) Methyl Acetate	2.696	43	386	0.562	ug/l #	53
20) Methylene Chloride	2.794	84	2382	4.437	ug/l	95
25) 2-Butanone	4.568	43	1207	2.805	ug/l	91
31) Cyclohexane	5.543	56	1136	1.435	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	3797	4.978	ug/l #	47
37) Ethyl Acetate	4.720	43	974	1.040	ug/l #	69
38) Carbon Tetrachloride	5.550	117	4666	5.526	ug/l #	15
43) Isopropyl Acetate	6.336	43	32671	22.588	ug/l	95
48) Methyl methacrylate	7.793	41	30936	43.677	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	25101	26.163	ug/l #	49
53) t-1,3-Dichloropropene	8.951	75	186	0.961	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	8975	10.503	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1306	1.433	ug/l #	42
59) 2-Hexanone	9.482	43	19637	25.521	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	24210	27.516	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	24210	74.239	ug/l #	5

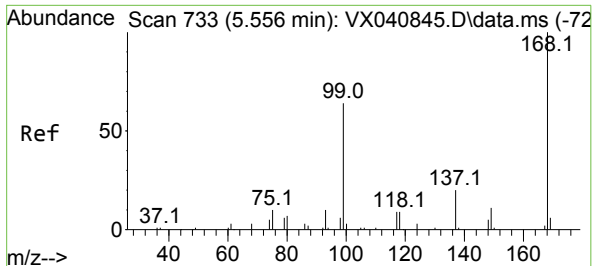
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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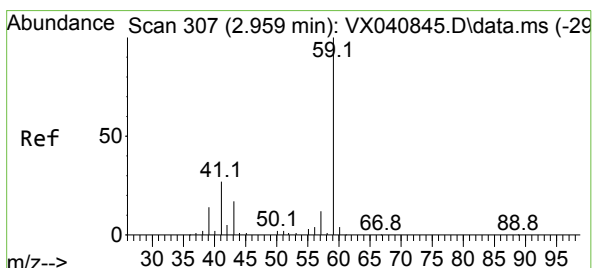
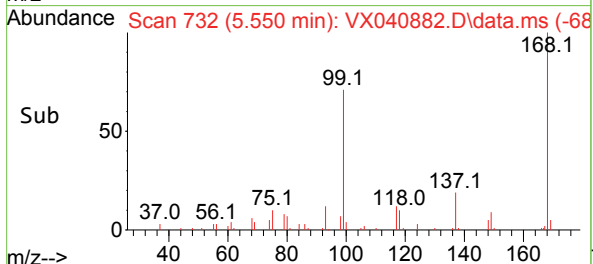
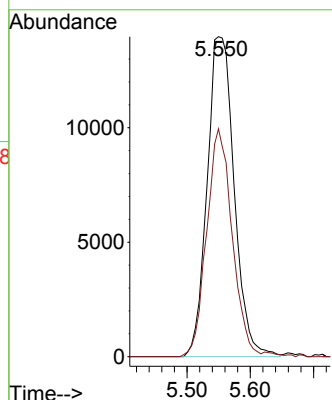
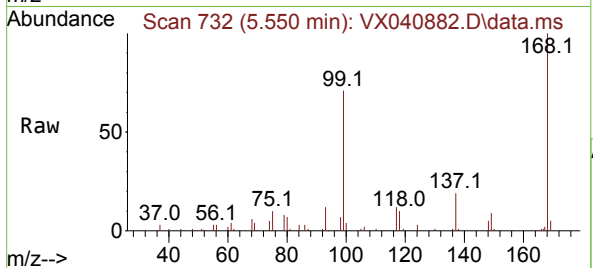




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040882.D
Acq: 04 Apr 2024 12:55

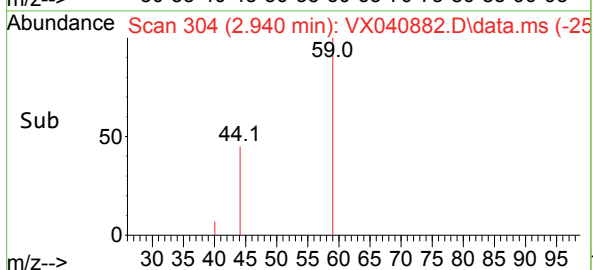
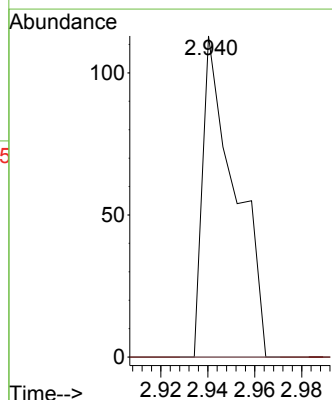
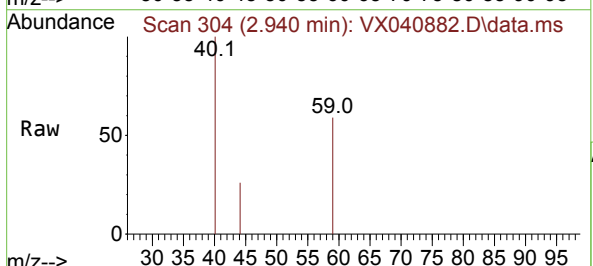
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

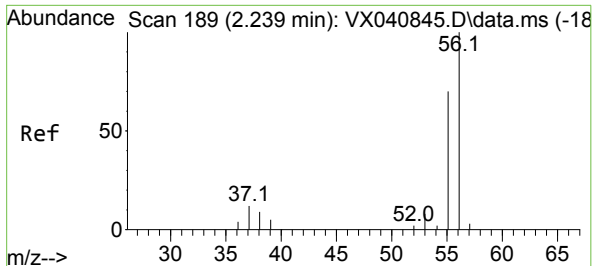
Tgt Ion:168 Resp: 41581
Ion Ratio Lower Upper
168 100
99 71.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.793 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX040882.D
Acq: 04 Apr 2024 12:55

Tgt Ion: 59 Resp: 108
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.242 ug/l

RT: 2.233 min Scan# 18

Delta R.T. -0.006 min

Lab File: VX040882.D

Acq: 04 Apr 2024 12:55

Instrument :

MSVOA_X

ClientSampleId :

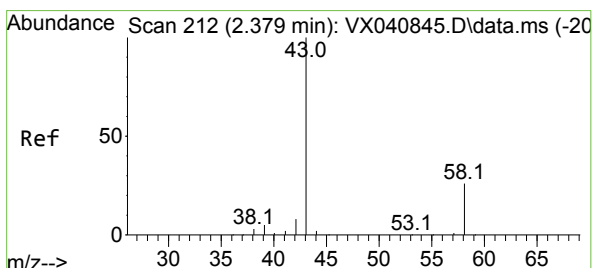
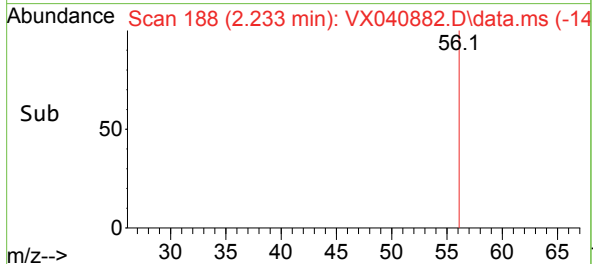
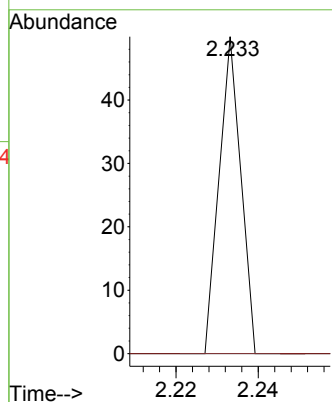
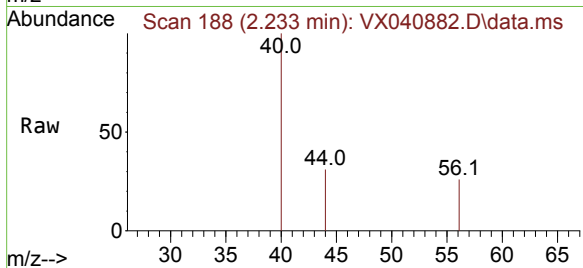
SOIL-1

Tgt Ion: 56 Resp: 18

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 31.240 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX040882.D

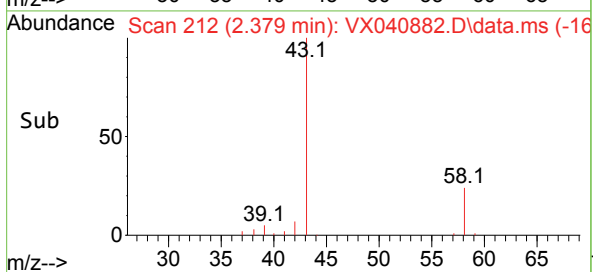
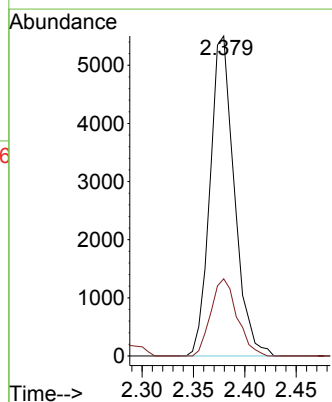
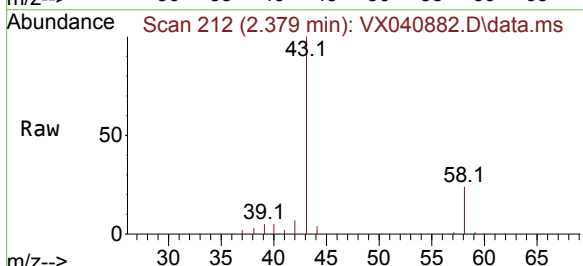
Acq: 04 Apr 2024 12:55

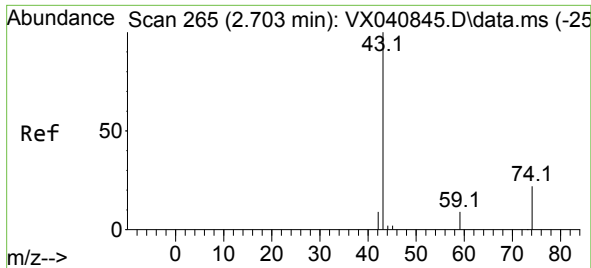
Tgt Ion: 43 Resp: 9050

Ion Ratio Lower Upper

43 100

58 24.1 21.9 32.9





#18

Methyl Acetate

Concen: 0.562 ug/l

RT: 2.696 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX040882.D

Acq: 04 Apr 2024 12:55

Instrument :

MSVOA_X

ClientSampleId :

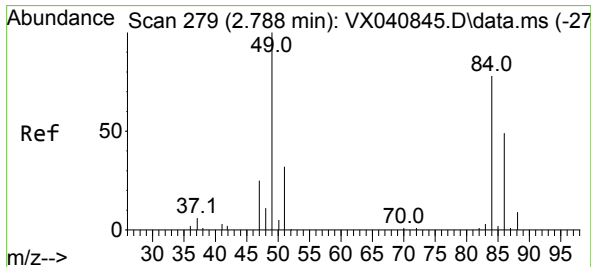
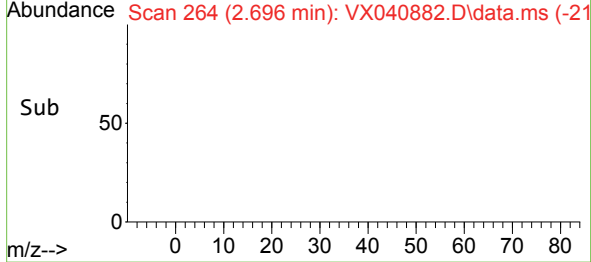
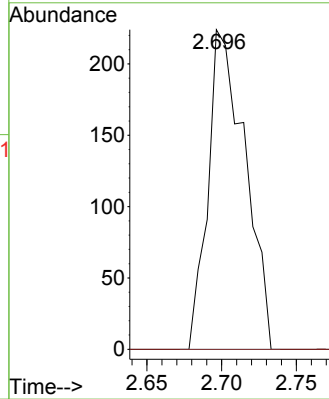
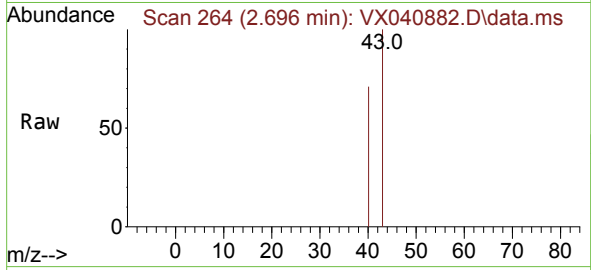
SOIL-1

Tgt Ion: 43 Resp: 386

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



#20

Methylene Chloride

Concen: 4.437 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040882.D

Acq: 04 Apr 2024 12:55

Tgt Ion: 84 Resp: 2382

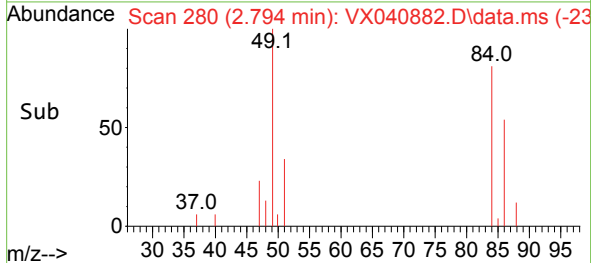
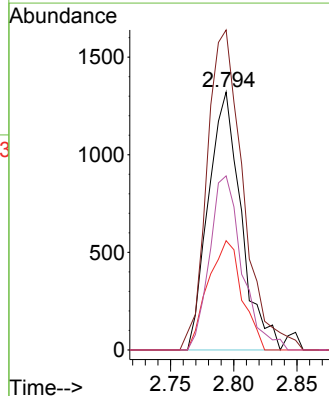
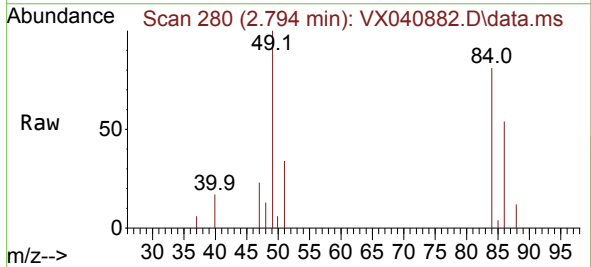
Ion Ratio Lower Upper

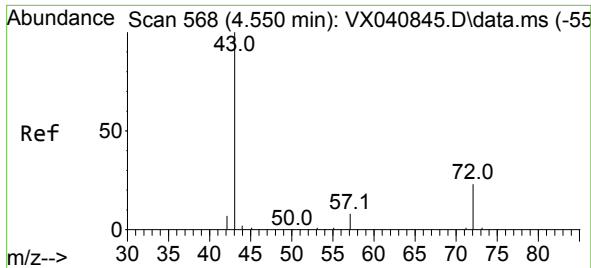
84 100

49 124.1 103.6 155.4

51 42.4 33.8 50.6

86 67.5 49.4 74.0





#25

2-Butanone

Concen: 2.805 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX040882.D

Acq: 04 Apr 2024 12:55

Instrument :

MSVOA_X

ClientSampleId :

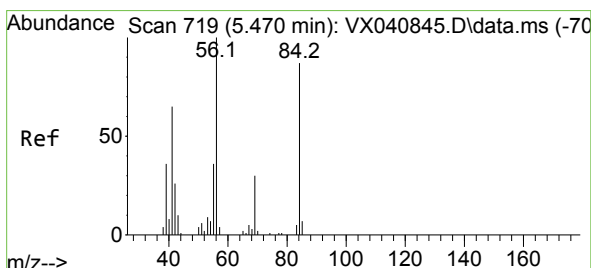
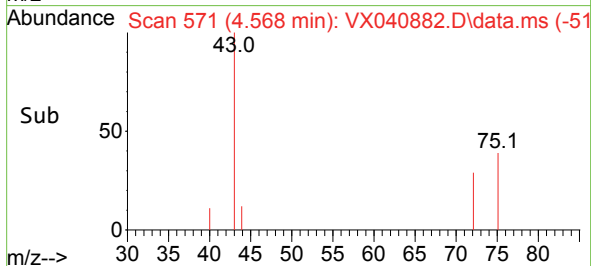
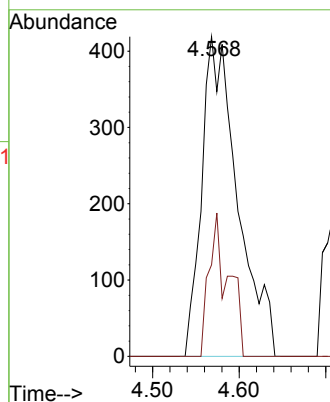
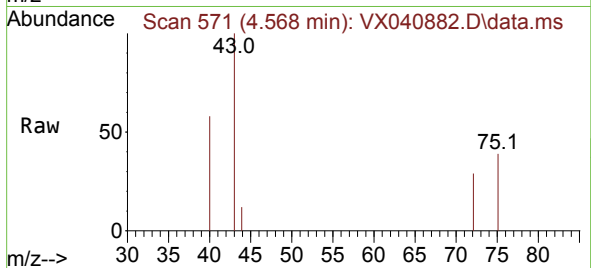
SOIL-1

Tgt Ion: 43 Resp: 1207

Ion Ratio Lower Upper

43 100

72 28.6 19.4 29.2



#31

Cyclohexane

Concen: 1.435 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX040882.D

Acq: 04 Apr 2024 12:55

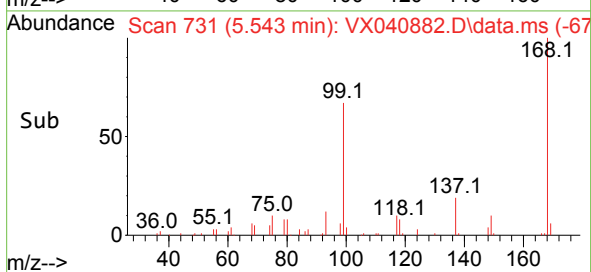
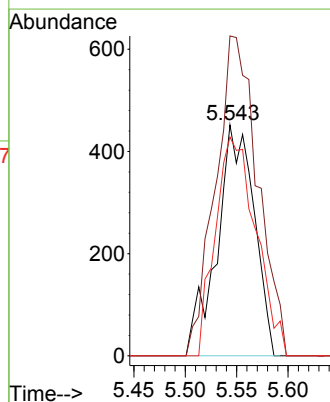
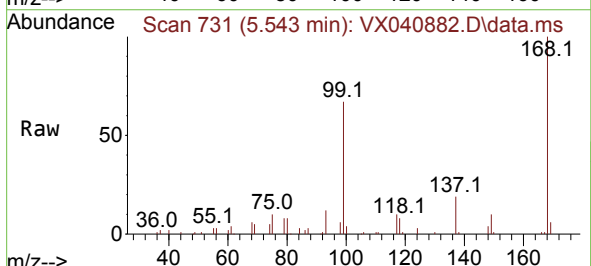
Tgt Ion: 56 Resp: 1136

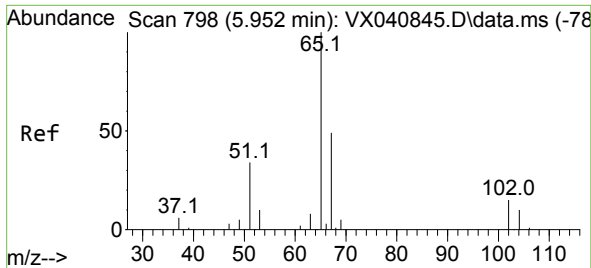
Ion Ratio Lower Upper

56 100

69 138.5 23.4 35.2#

84 94.7 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 50.083 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040882.D

Acq: 04 Apr 2024 12:55

Instrument :

MSVOA_X

ClientSampleId :

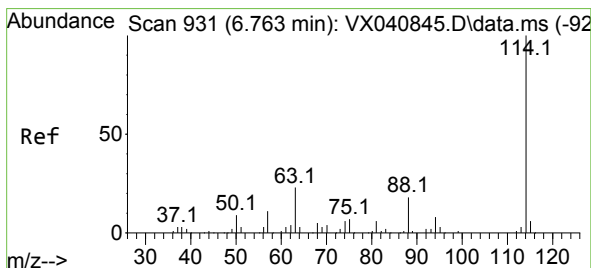
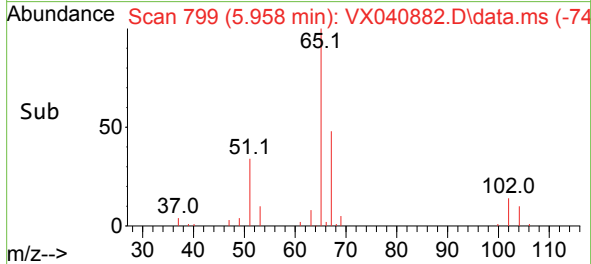
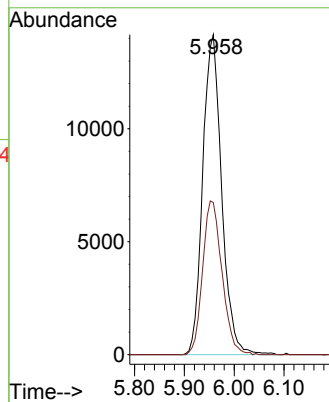
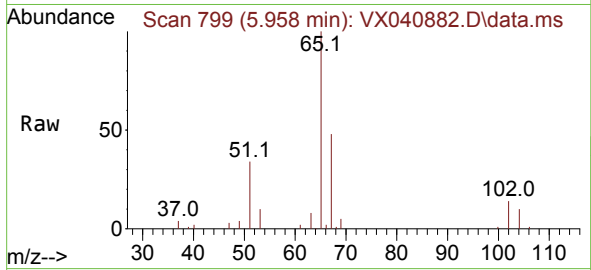
SOIL-1

Tgt Ion: 65 Resp: 37366

Ion Ratio Lower Upper

65 100

67 49.2 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: VX040882.D

Acq: 04 Apr 2024 12:55

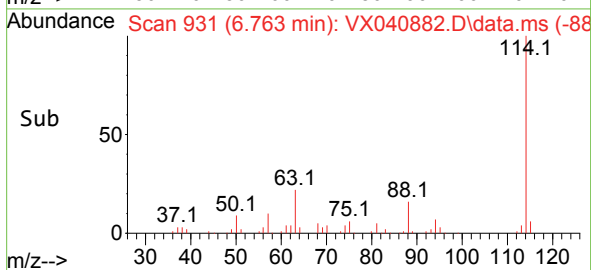
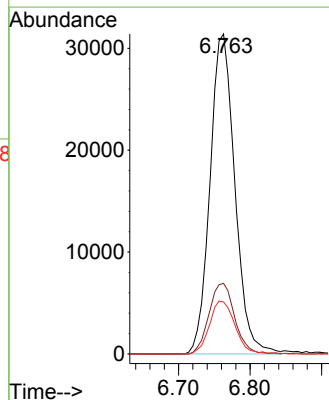
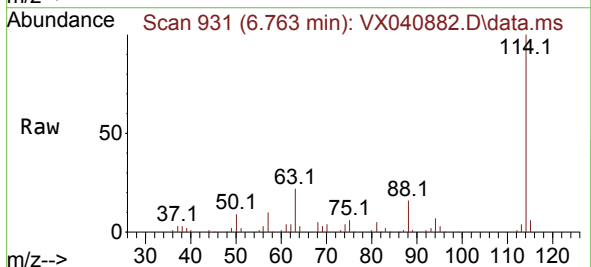
Tgt Ion: 114 Resp: 75786

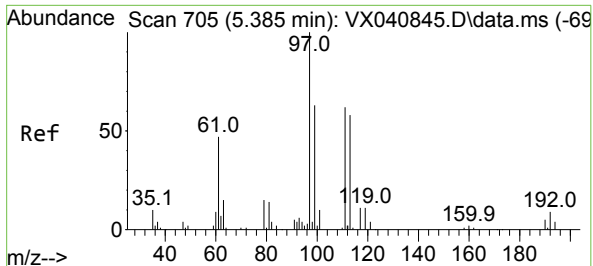
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

88 16.2 0.0 36.6

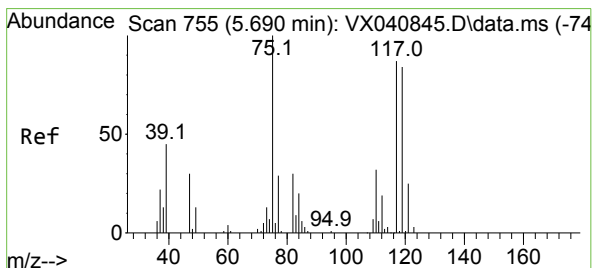
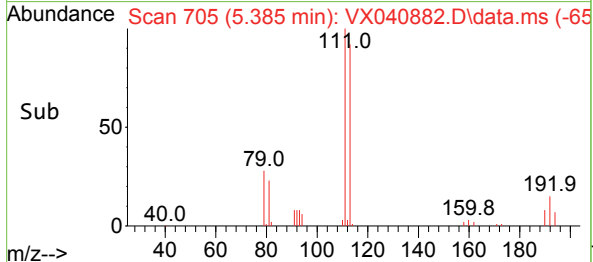
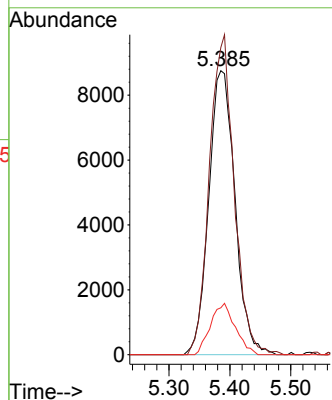
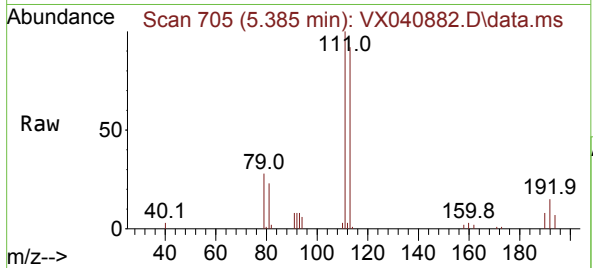




#35
Dibromofluoromethane
Concen: 48.771 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040882.D
Acq: 04 Apr 2024 12:55

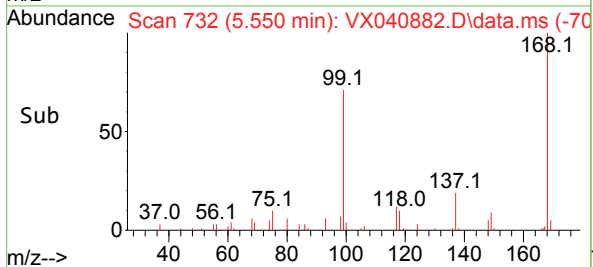
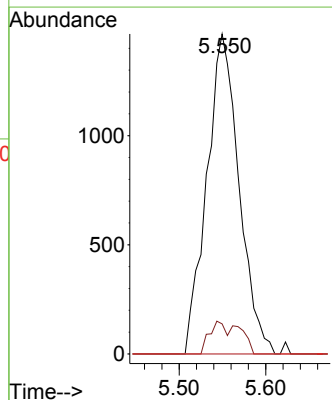
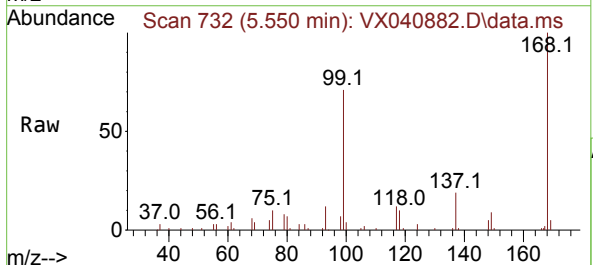
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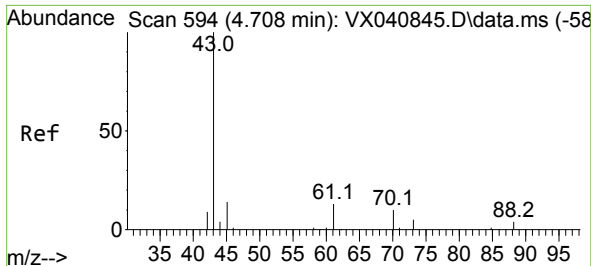
Tgt Ion:113 Resp: 26180
Ion Ratio Lower Upper
113 100
111 106.4 82.9 124.3
192 17.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.978 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040882.D
Acq: 04 Apr 2024 12:55

Tgt Ion: 75 Resp: 3797
Ion Ratio Lower Upper
75 100
110 5.3 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.040 ug/l

RT: 4.720 min Scan# 594

Delta R.T. 0.012 min

Lab File: VX040882.D

Acq: 04 Apr 2024 12:55

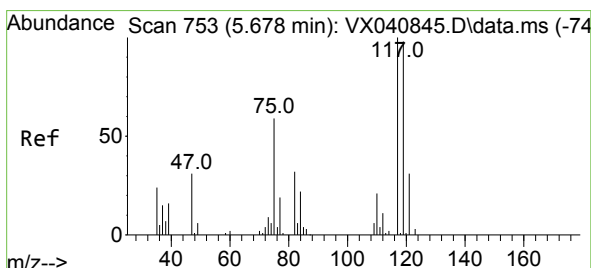
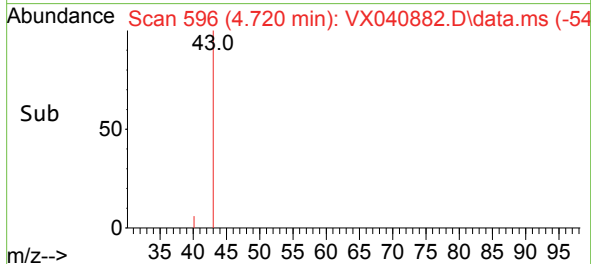
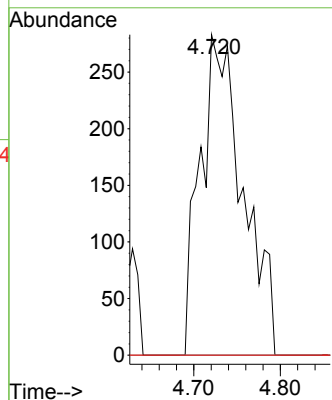
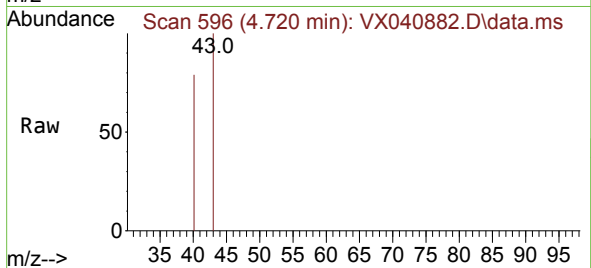
Instrument :

MSVOA_X

ClientSampleId :

SOIL-1

Tgt Ion:	43	Resp:	974
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.526 ug/l

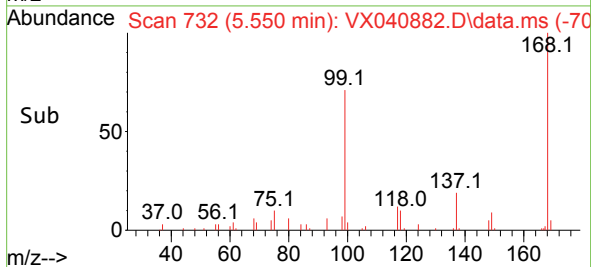
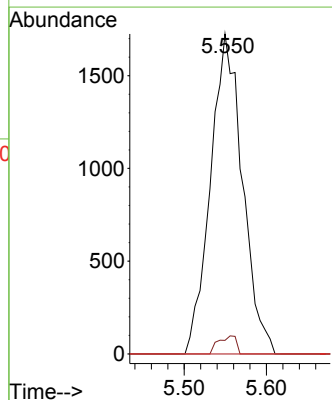
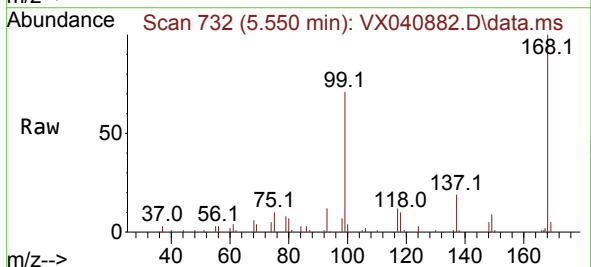
RT: 5.550 min Scan# 732

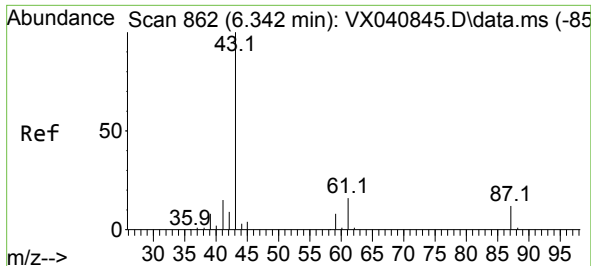
Delta R.T. -0.128 min

Lab File: VX040882.D

Acq: 04 Apr 2024 12:55

Tgt Ion:	117	Resp:	4666
Ion	Ratio	Lower	Upper
117	100		
119	4.2	78.2	117.2#
121	0.0	24.4	36.6#

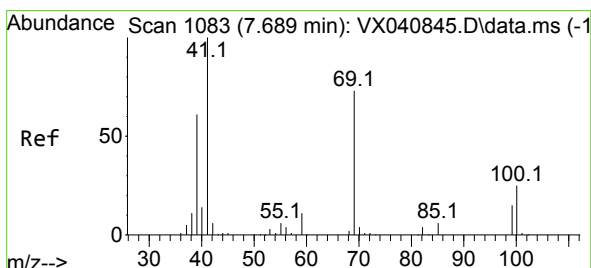
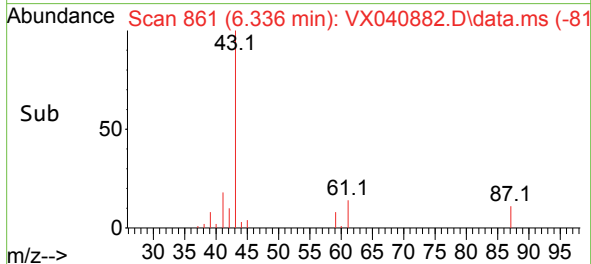
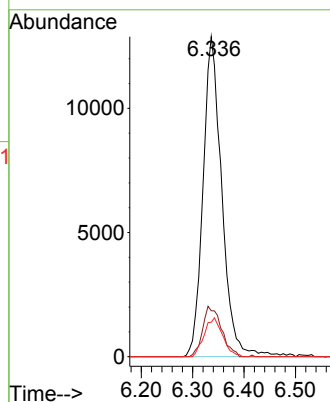
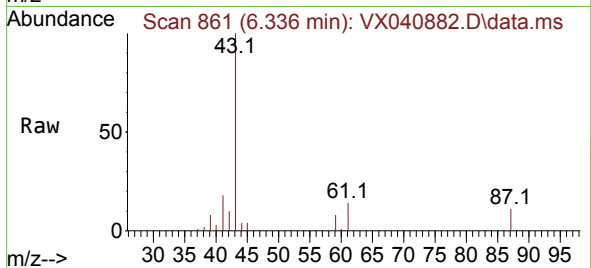




#43
Isopropyl Acetate
Concen: 22.588 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX040882.D
Acq: 04 Apr 2024 12:55

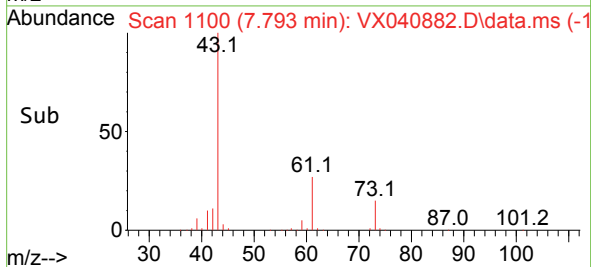
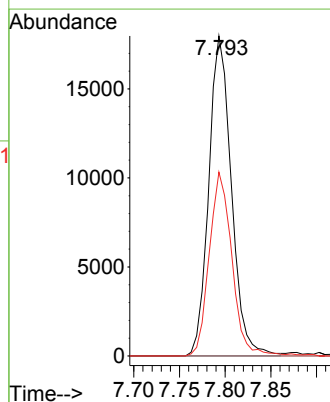
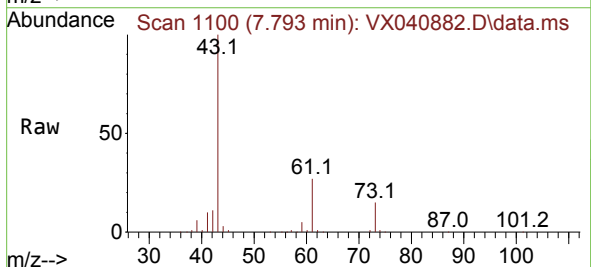
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

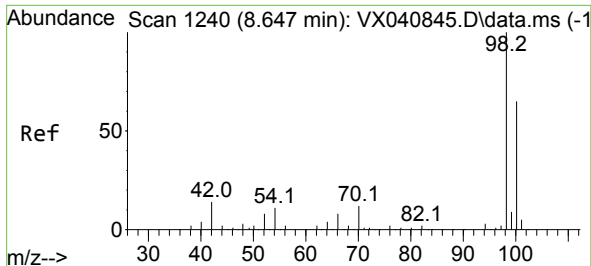
Tgt Ion: 43 Resp: 32671
Ion Ratio Lower Upper
43 100
61 15.7 15.2 22.8
87 11.9 9.8 14.6



#48
Methyl methacrylate
Concen: 43.677 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX040882.D
Acq: 04 Apr 2024 12:55

Tgt Ion: 41 Resp: 30936
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.3 47.7 71.5

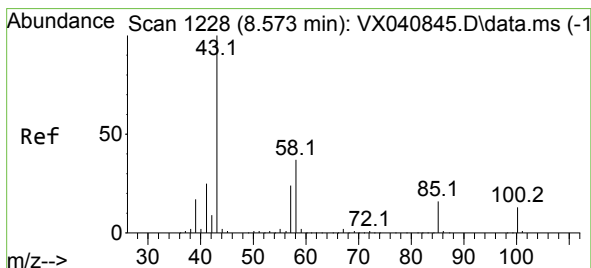
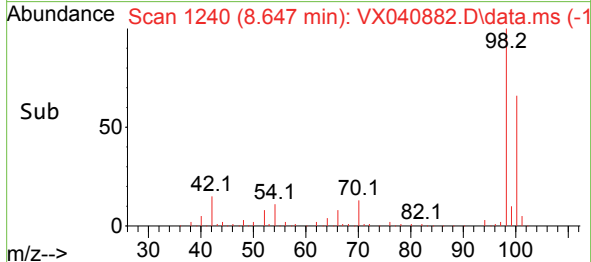
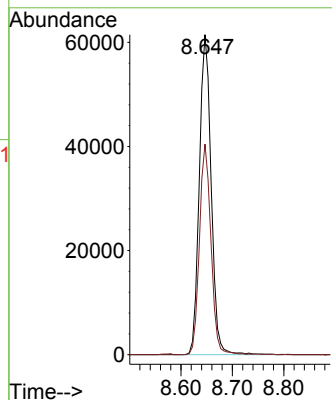
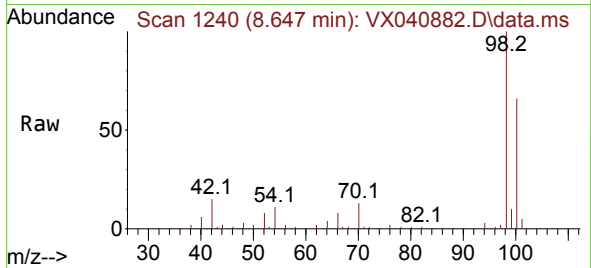




#50
Toluene-d8
Concen: 50.753 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040882.D
Acq: 04 Apr 2024 12:55

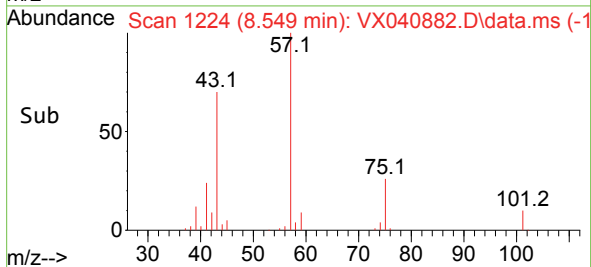
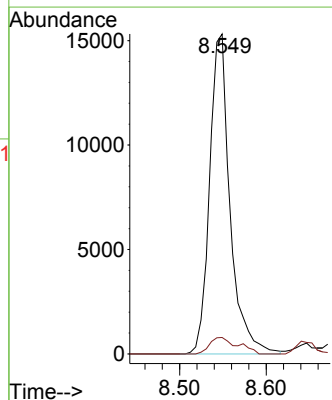
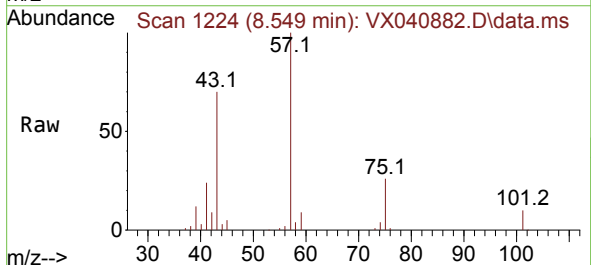
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

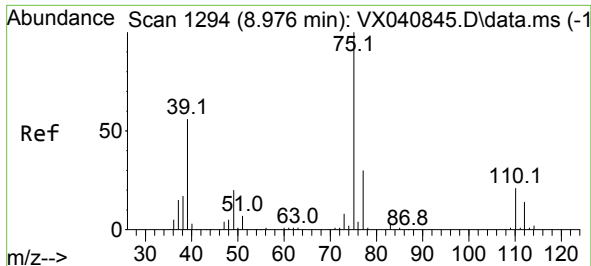
Tgt Ion: 98 Resp: 98444
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 26.163 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX040882.D
Acq: 04 Apr 2024 12:55

Tgt Ion: 43 Resp: 25101
Ion Ratio Lower Upper
43 100
58 7.1 30.4 45.6#

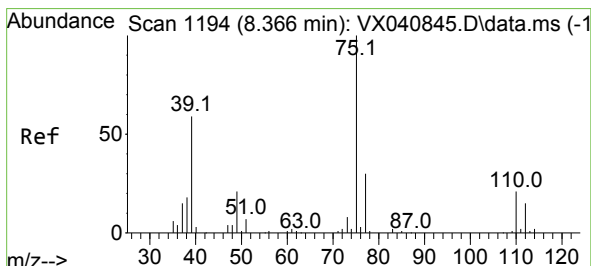
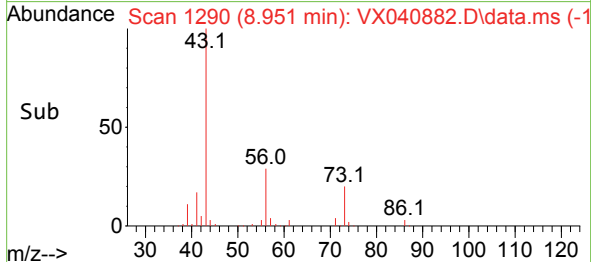
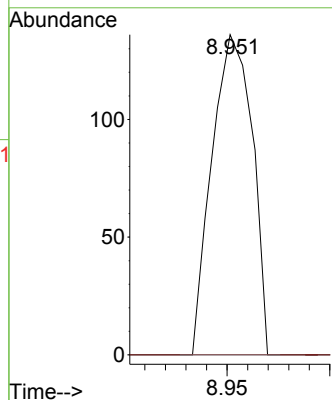
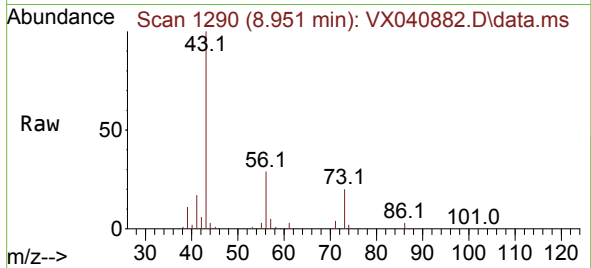




#53
 t-1,3-Dichloropropene
 Concen: 0.961 ug/l
 RT: 8.951 min Scan# 1123
 Delta R.T. -0.025 min
 Lab File: VX040882.D
 Acq: 04 Apr 2024 12:55

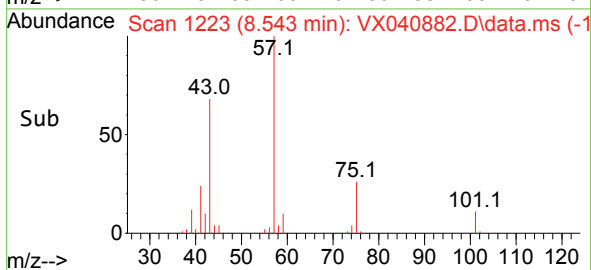
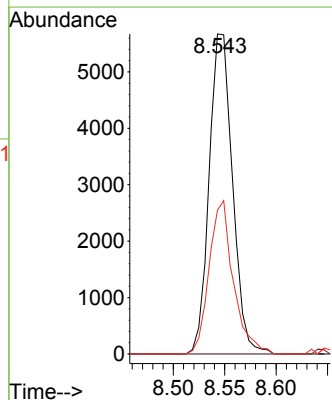
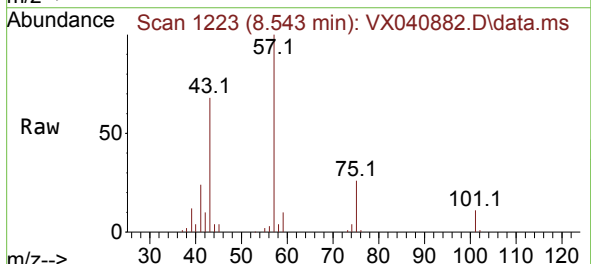
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-1

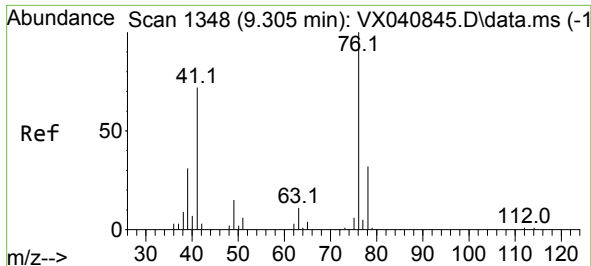
Tgt Ion: 75 Resp: 186
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 10.503 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.177 min
 Lab File: VX040882.D
 Acq: 04 Apr 2024 12:55

Tgt Ion: 75 Resp: 8975
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 44.9 46.7 70.1#

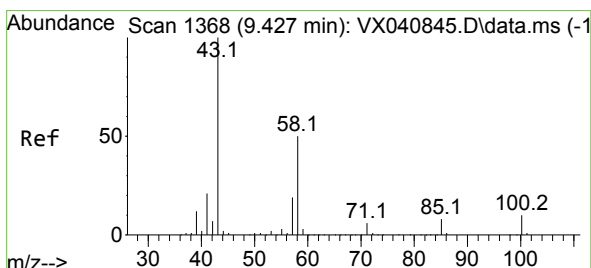
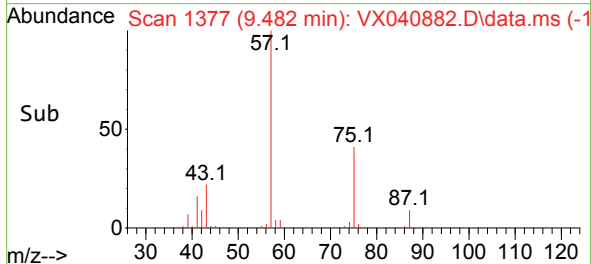
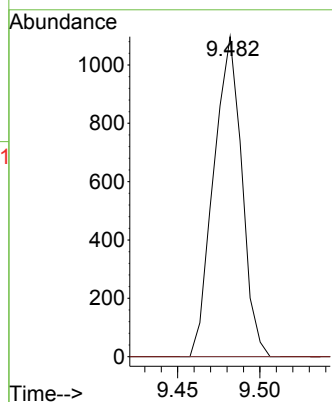
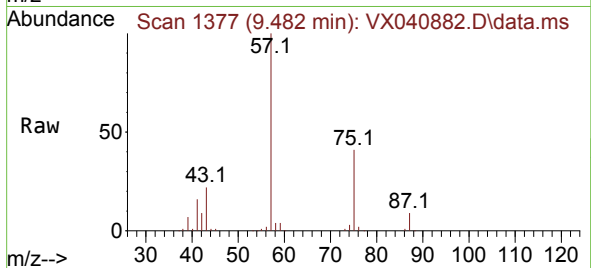




#57
1,3-Dichloropropane
Concen: 1.433 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040882.D
Acq: 04 Apr 2024 12:55

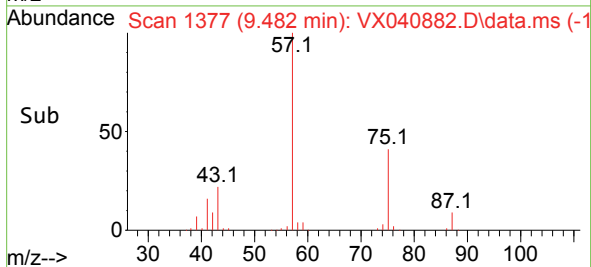
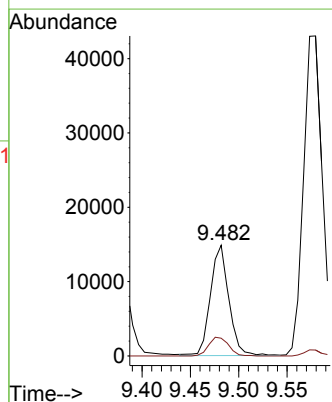
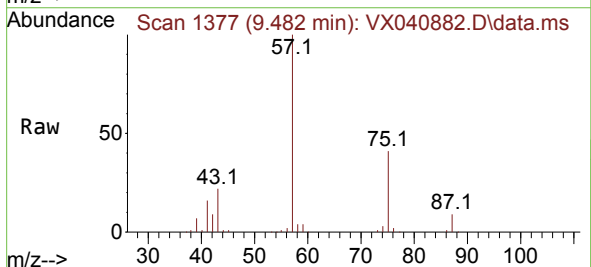
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

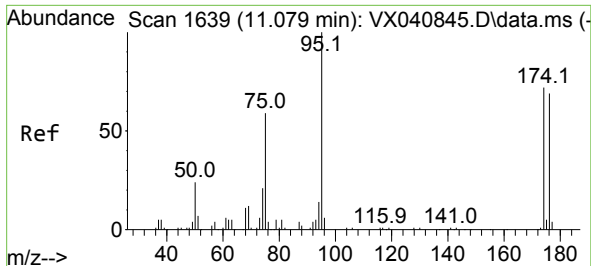
Tgt Ion: 76 Resp: 1306
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 25.521 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX040882.D
Acq: 04 Apr 2024 12:55

Tgt Ion: 43 Resp: 19637
Ion Ratio Lower Upper
43 100
58 18.4 26.2 78.5#

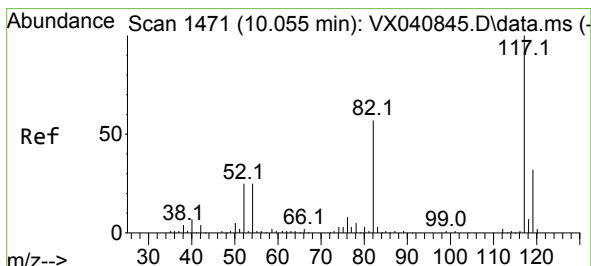
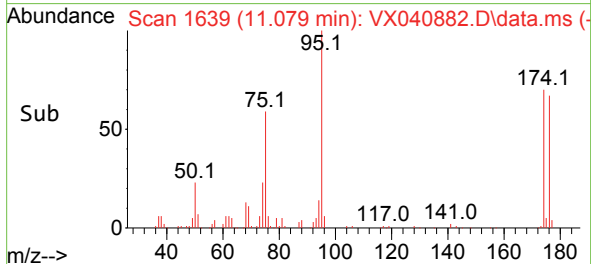
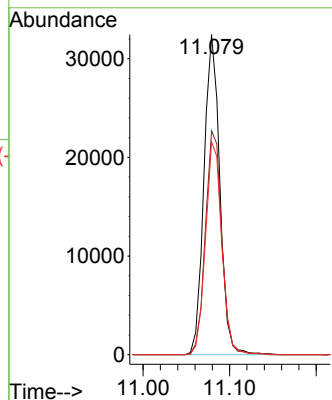
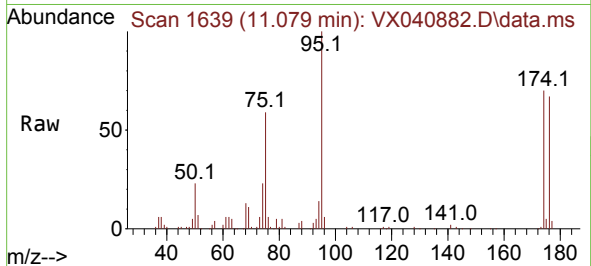




#62
4-Bromofluorobenzene
Concen: 53.159 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040882.D
Acq: 04 Apr 2024 12:55

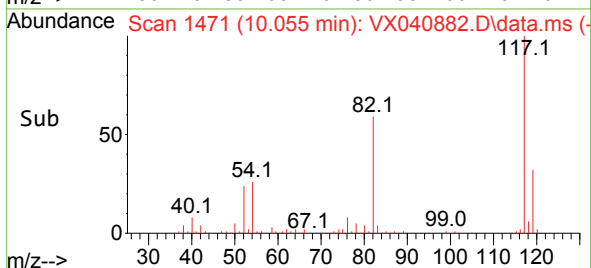
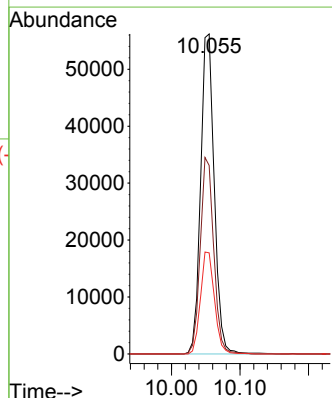
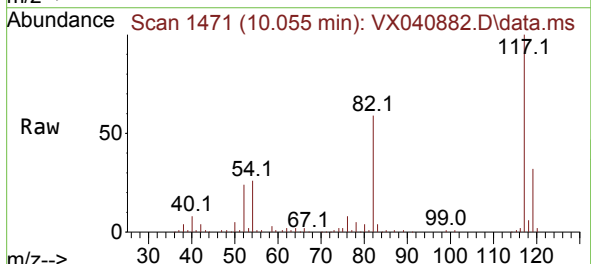
Instrument :
MSVOA_X
ClientSampleId :
SOIL-1

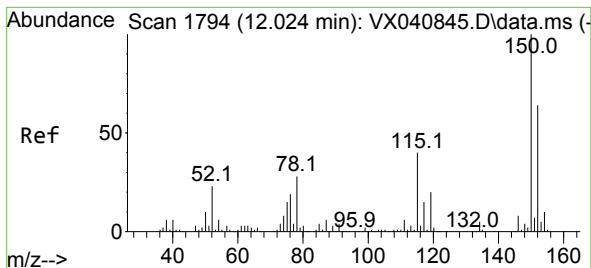
Tgt Ion: 95 Resp: 41177
Ion Ratio Lower Upper
95 100
174 72.4 0.0 135.6
176 68.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040882.D
Acq: 04 Apr 2024 12:55

Tgt Ion: 117 Resp: 77921
Ion Ratio Lower Upper
117 100
82 58.9 46.2 69.4
119 31.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX040882.D

Acq: 04 Apr 2024 12:55

Instrument :

MSVOA_X

ClientSampleId :

SOIL-1

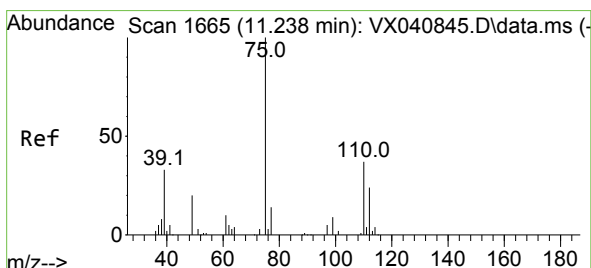
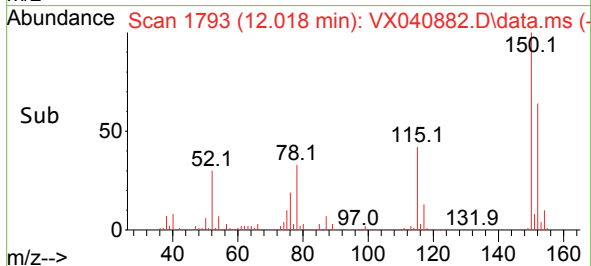
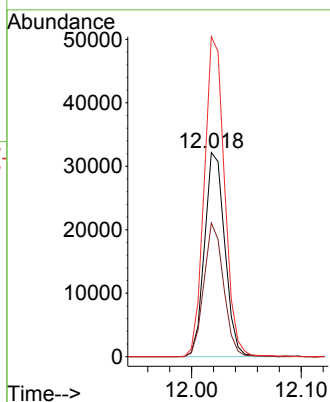
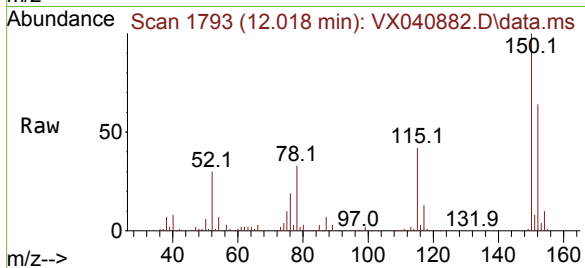
Tgt Ion:152 Resp: 41261

Ion Ratio Lower Upper

152 100

115 63.7 43.3 129.9

150 156.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 27.516 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040882.D

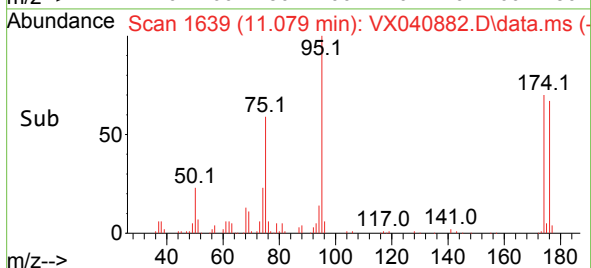
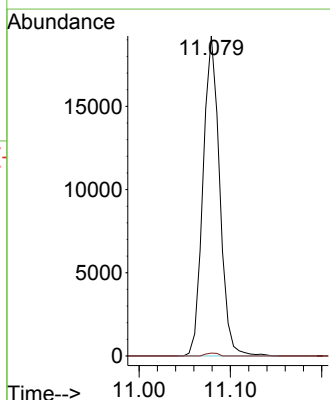
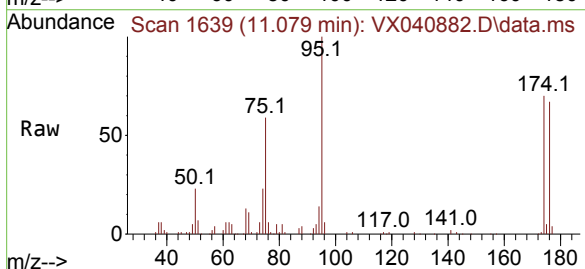
Acq: 04 Apr 2024 12:55

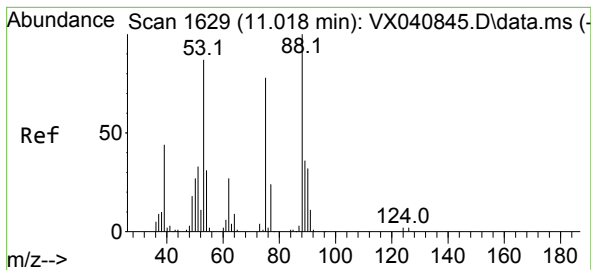
Tgt Ion: 75 Resp: 24210

Ion Ratio Lower Upper

75 100

77 0.7 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.239 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040882.D
 Acq: 04 Apr 2024 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-1

Tgt Ion: 75 Resp: 24210
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

