

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032724\
 Data File : VX040814.D
 Acq On : 27 Mar 2024 15:33
 Operator : JC/MD
 Sample : P1869-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-5

Quant Time: Mar 28 03:56:28 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)

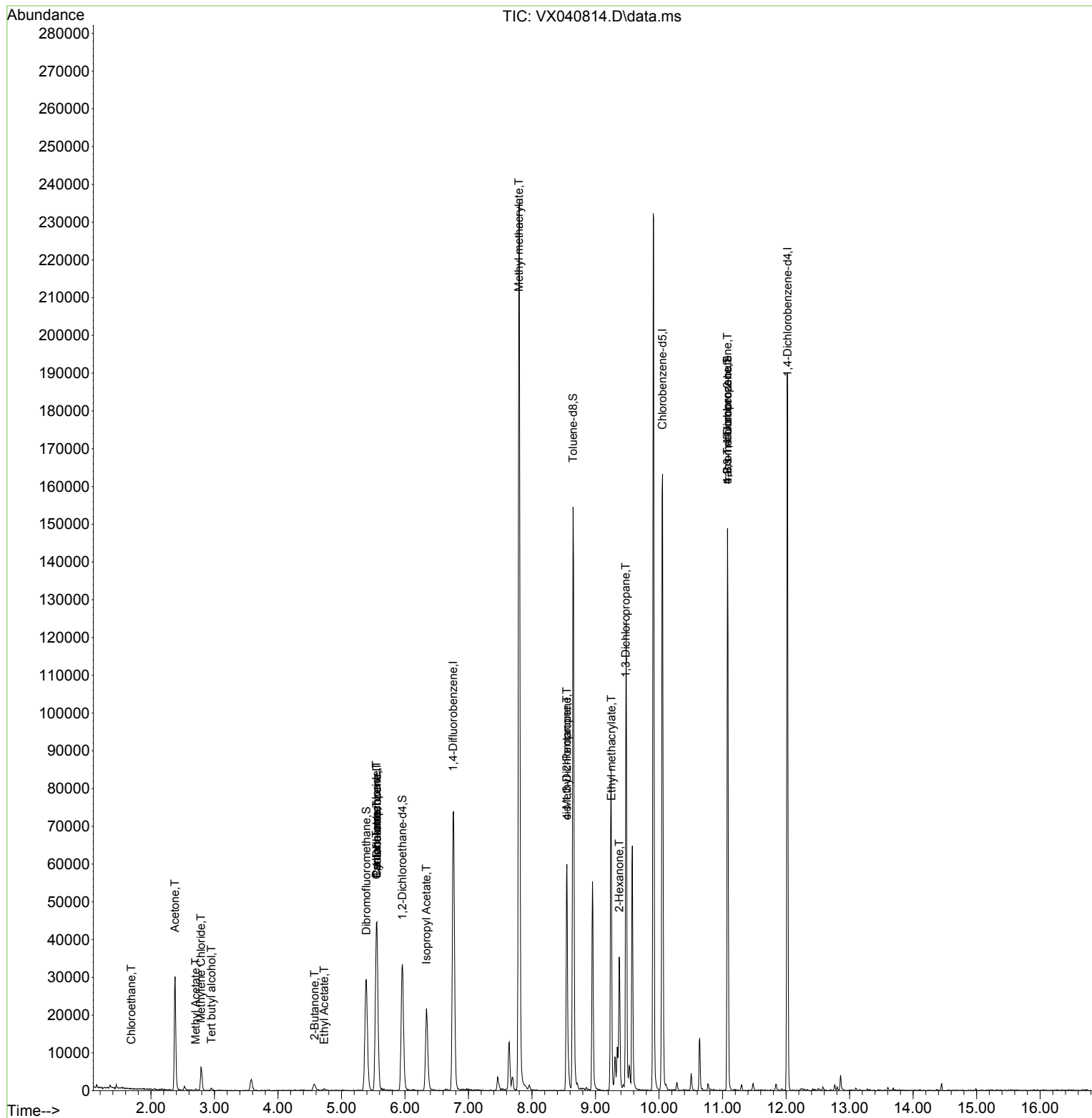
Internal Standards						
1) Pentafluorobenzene	5.556	168	40066	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	72232	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	68618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	35800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	34363	51.007	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.020%			
35) Dibromofluoromethane	5.391	113	24414	45.171	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.340%			
50) Toluene-d8	8.647	98	87667	47.371	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.740%			
62) 4-Bromofluorobenzene	11.079	95	36694	50.186	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.380%			
Target Compounds						Qvalue
6) Chloroethane	1.691	64	147	0.416	ug/l #	43
11) Tert butyl alcohol	2.953	59	809	7.499	ug/l #	78
16) Acetone	2.379	43	31908	133.717	ug/l	97
18) Methyl Acetate	2.703	43	530	0.829	ug/l #	64
20) Methylene Chloride	2.788	84	2711	5.197	ug/l	97
25) 2-Butanone	4.574	43	3067	8.206	ug/l	93
31) Cyclohexane	5.556	56	1126	1.407	ug/l #	62
36) 1,1-Dichloropropene	5.556	75	3727	4.683	ug/l #	48
37) Ethyl Acetate	4.727	43	932	1.031	ug/l #	69
38) Carbon Tetrachloride	5.550	117	4289	4.788	ug/l #	18
43) Isopropyl Acetate	6.336	43	30120	21.226	ug/l	96
48) Methyl methacrylate	7.793	41	22960	35.401	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	23280	26.454	ug/l #	47
54) cis-1,3-Dichloropropene	8.549	75	8485	9.505	ug/l #	70
56) Ethyl methacrylate	9.250	69	242	0.271	ug/l #	1
57) 1,3-Dichloropropane	9.476	76	991	1.088	ug/l #	42
59) 2-Hexanone	9.372	43	26352	38.656	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	21741	28.236	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	21741	71.432	ug/l #	5

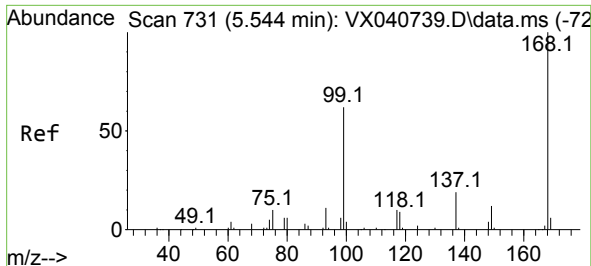
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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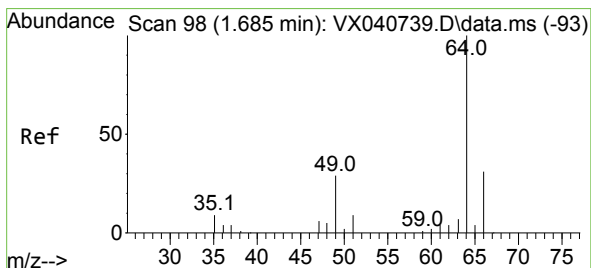
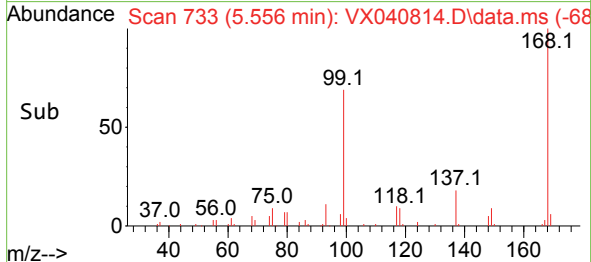
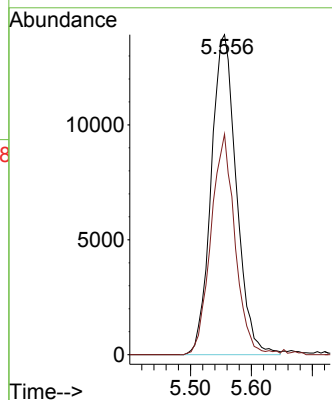
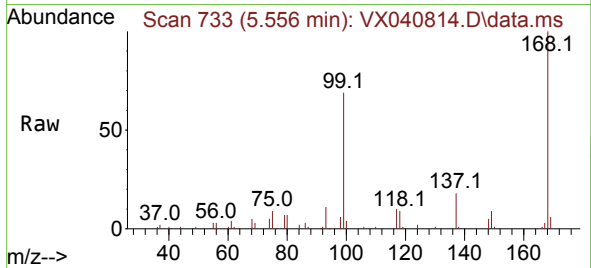




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040814.D
Acq: 27 Mar 2024 15:33

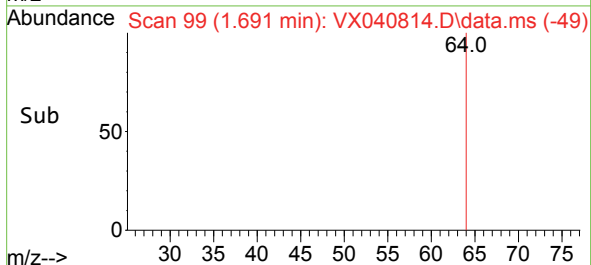
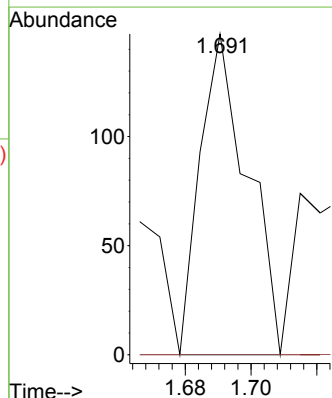
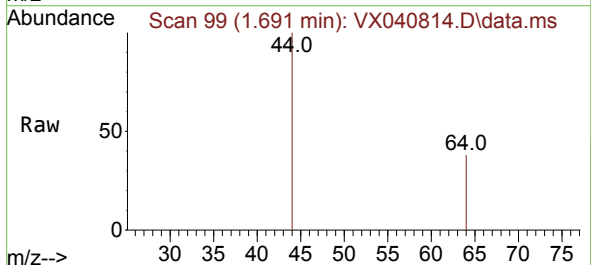
Instrument :
MSVOA_X
ClientSampleId :
SOIL-5

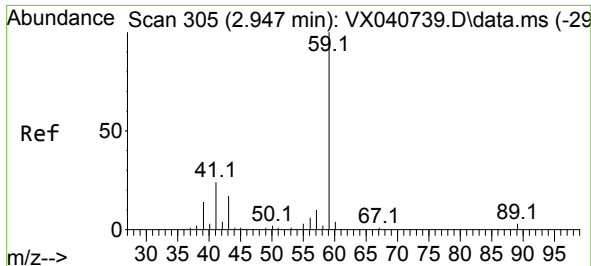
Tgt Ion:168 Resp: 40066
Ion Ratio Lower Upper
168 100
99 68.9 56.6 85.0



#6
Chloroethane
Concen: 0.416 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX040814.D
Acq: 27 Mar 2024 15:33

Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 7.499 ug/l

RT: 2.953 min Scan# 305

Delta R.T. 0.006 min

Lab File: VX040814.D

Acq: 27 Mar 2024 15:33

Instrument :

MSVOA_X

ClientSampleId :

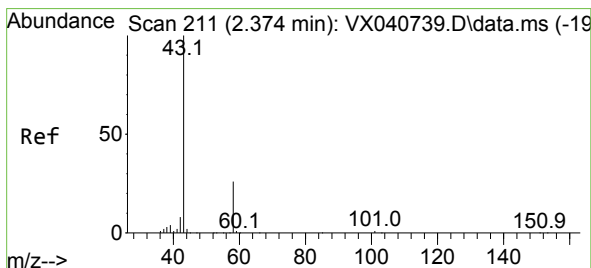
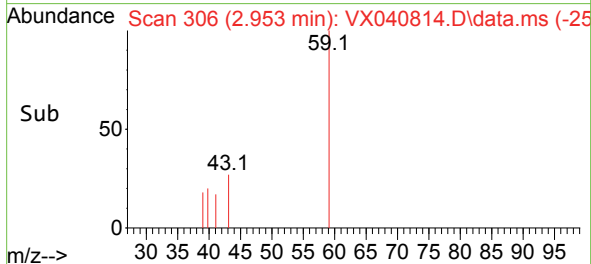
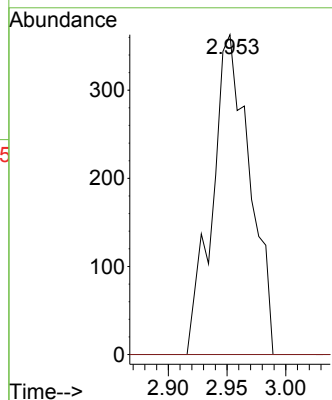
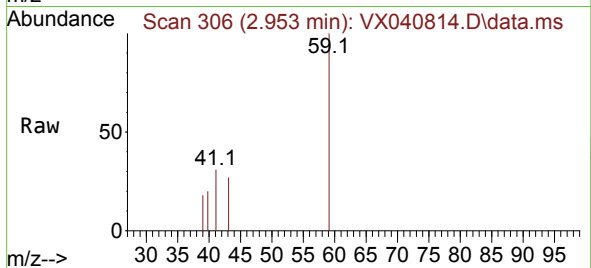
SOIL-5

Tgt Ion: 59 Resp: 809

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 133.717 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.005 min

Lab File: VX040814.D

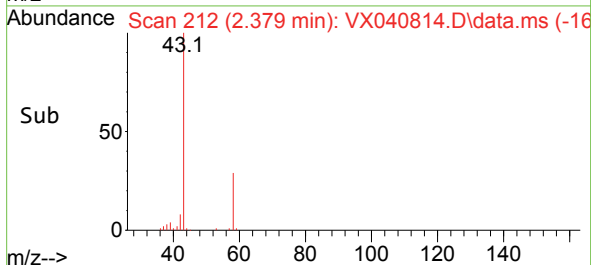
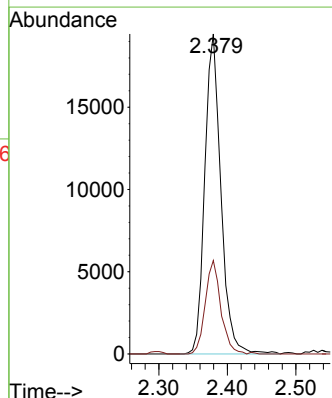
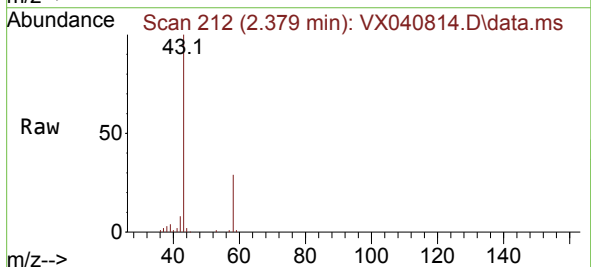
Acq: 27 Mar 2024 15:33

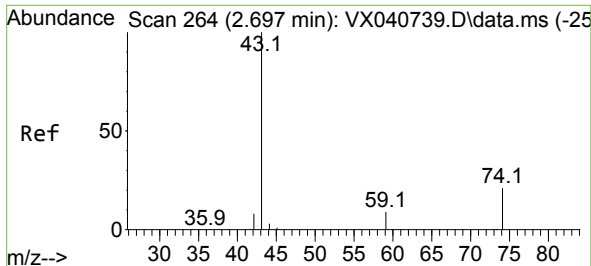
Tgt Ion: 43 Resp: 31908

Ion Ratio Lower Upper

43 100

58 29.2 21.9 32.9





#18

Methyl Acetate

Concen: 0.829 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX040814.D

Acq: 27 Mar 2024 15:33

Instrument :

MSVOA_X

ClientSampleId :

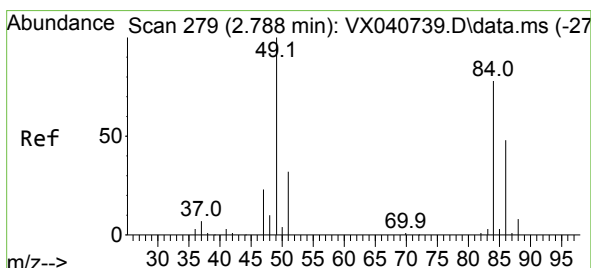
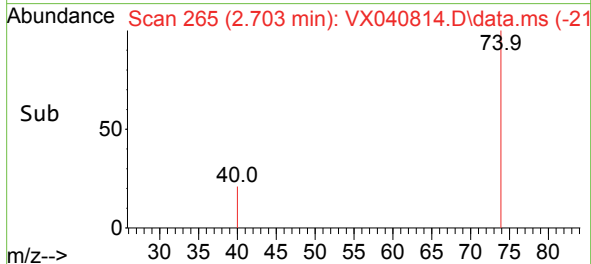
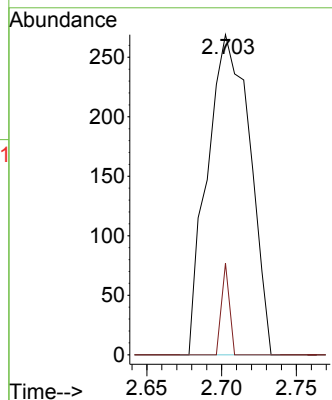
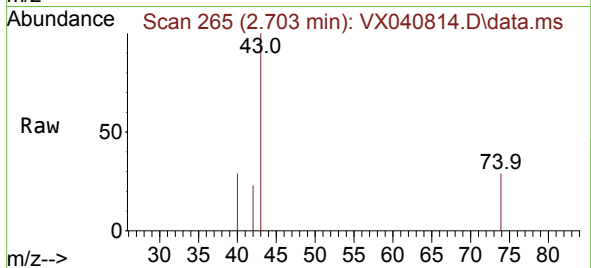
SOIL-5

Tgt Ion: 43 Resp: 530

Ion Ratio Lower Upper

43 100

74 5.3 17.8 26.8#



#20

Methylene Chloride

Concen: 5.197 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX040814.D

Acq: 27 Mar 2024 15:33

Tgt Ion: 84 Resp: 2711

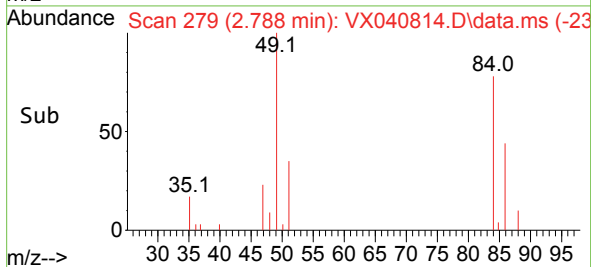
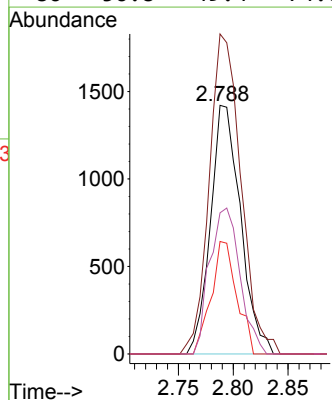
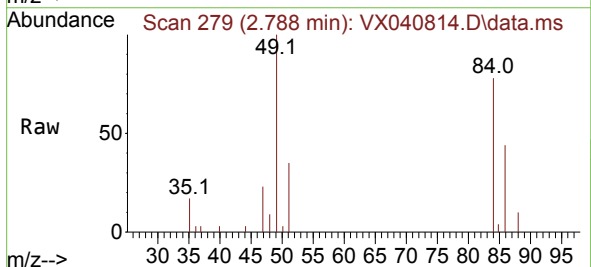
Ion Ratio Lower Upper

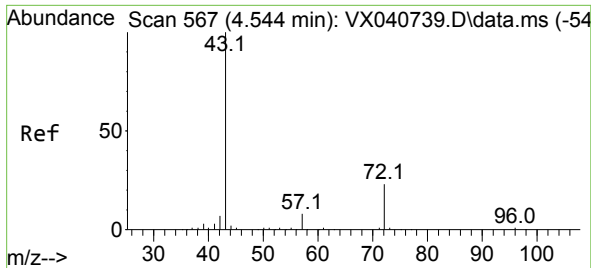
84 100

49 128.7 103.6 155.4

51 45.2 33.8 50.6

86 56.8 49.4 74.0

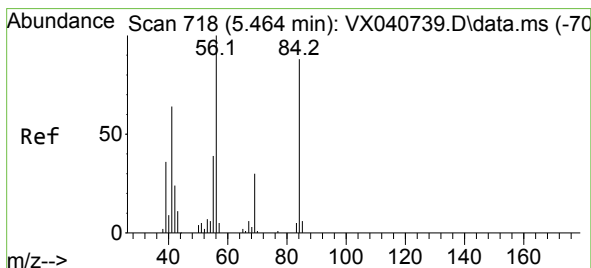
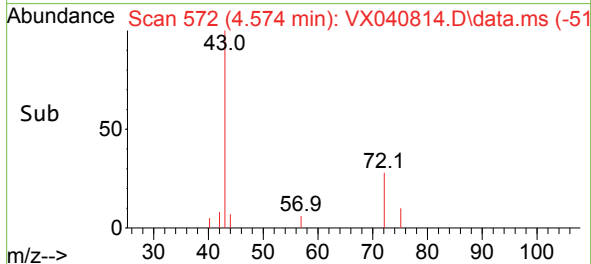
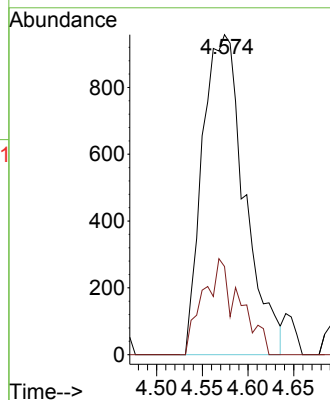
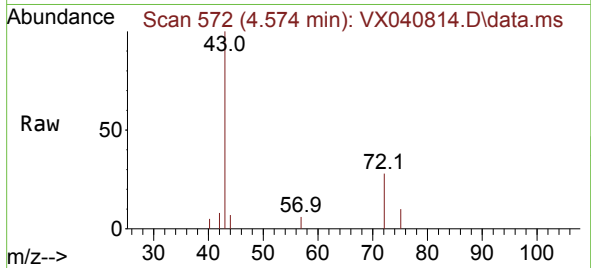




#25
2-Butanone
Concen: 8.206 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX040814.D
Acq: 27 Mar 2024 15:33

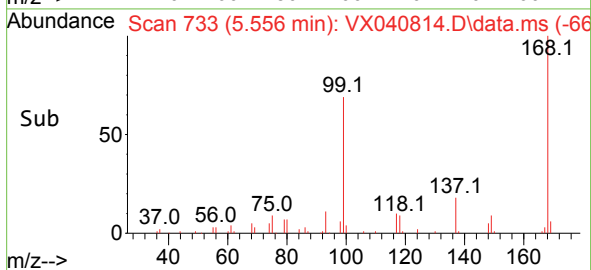
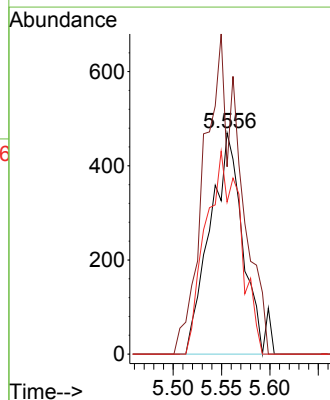
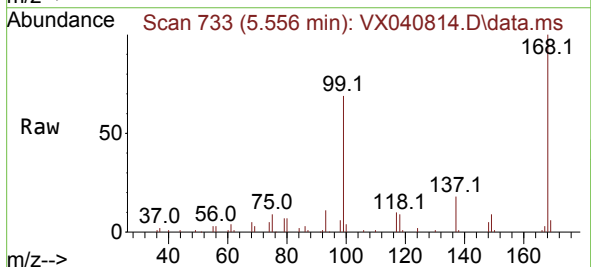
Instrument :
MSVOA_X
ClientSampleId :
SOIL-5

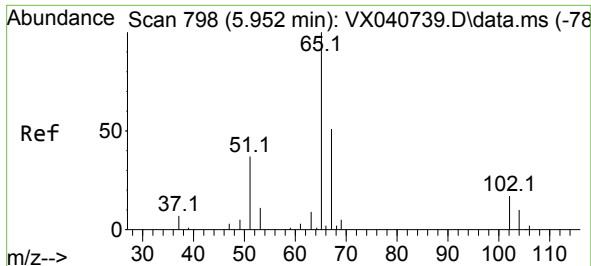
Tgt Ion: 43 Resp: 3067
Ion Ratio Lower Upper
43 100
72 27.6 19.4 29.2



#31
Cyclohexane
Concen: 1.407 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.092 min
Lab File: VX040814.D
Acq: 27 Mar 2024 15:33

Tgt Ion: 56 Resp: 1126
Ion Ratio Lower Upper
56 100
69 84.7 23.4 35.2#
84 68.7 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 51.007 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040814.D

Acq: 27 Mar 2024 15:33

Instrument :

MSVOA_X

ClientSampleId :

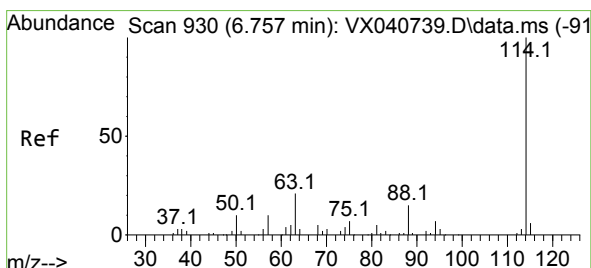
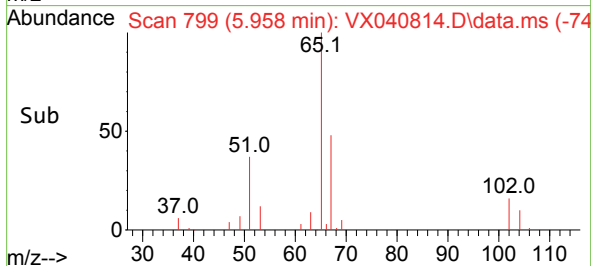
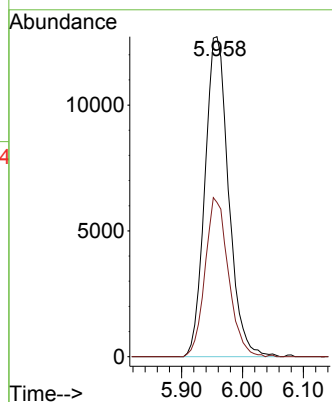
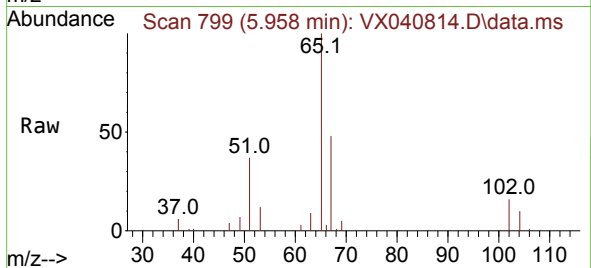
SOIL-5

Tgt Ion: 65 Resp: 34363

Ion Ratio Lower Upper

65 100

67 49.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX040814.D

Acq: 27 Mar 2024 15:33

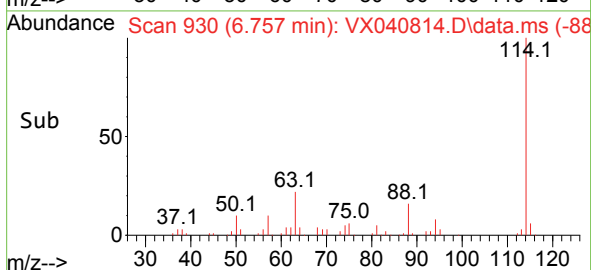
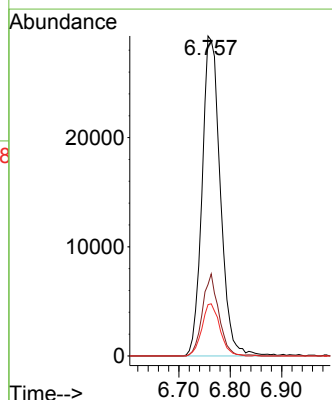
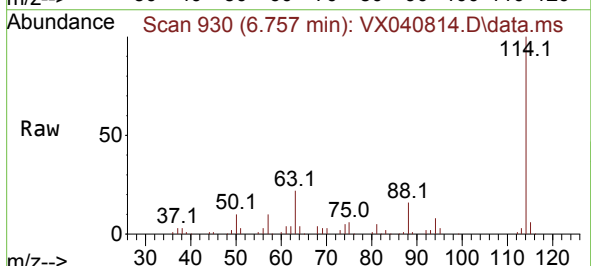
Tgt Ion: 114 Resp: 72232

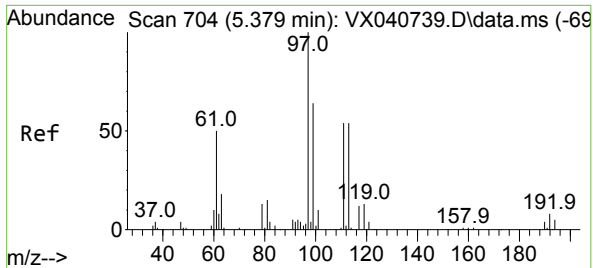
Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.0

88 16.1 0.0 36.6

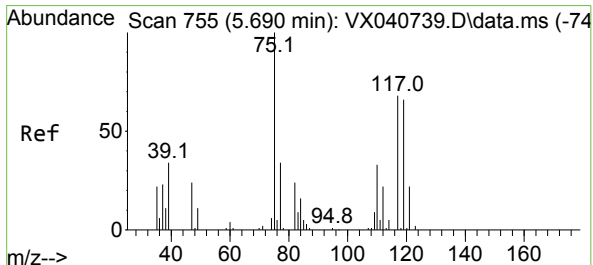
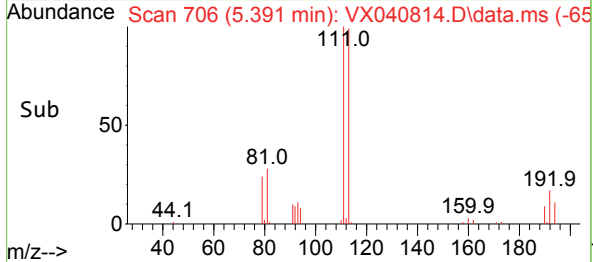
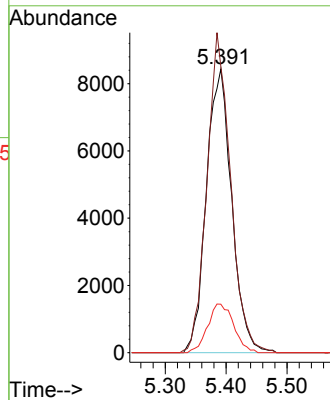
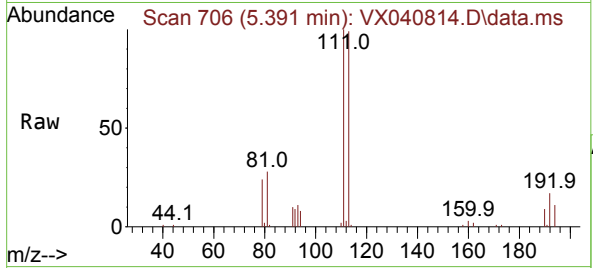




#35
Dibromofluoromethane
Concen: 45.171 ug/l
RT: 5.391 min Scan# 704
Delta R.T. 0.012 min
Lab File: VX040814.D
Acq: 27 Mar 2024 15:33

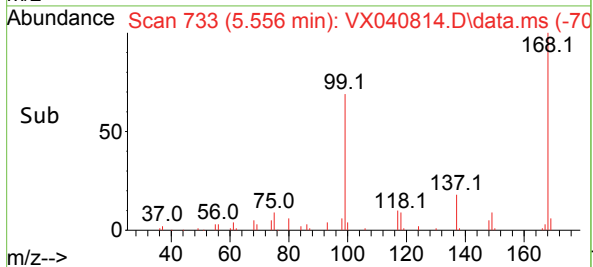
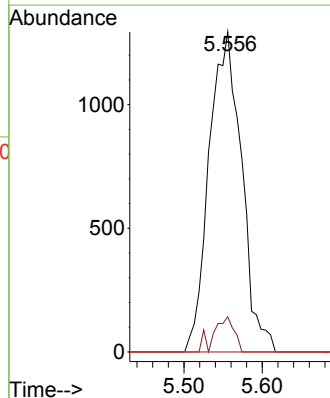
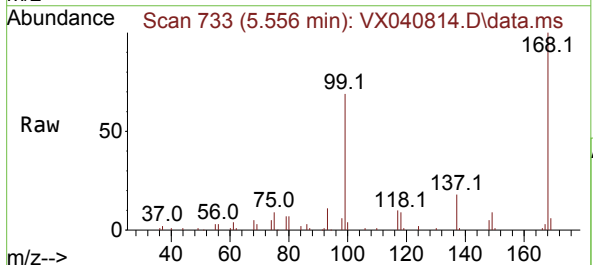
Instrument :
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SOIL-5

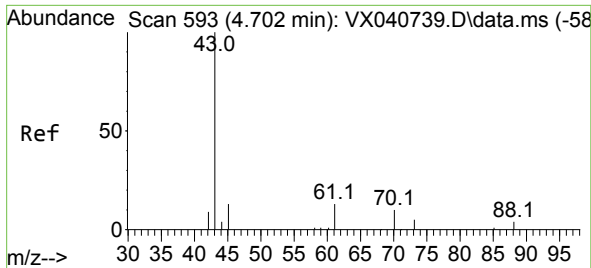
Tgt Ion:113 Resp: 24414
Ion Ratio Lower Upper
113 100
111 105.2 82.9 124.3
192 17.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.683 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040814.D
Acq: 27 Mar 2024 15:33

Tgt Ion: 75 Resp: 3727
Ion Ratio Lower Upper
75 100
110 6.9 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.031 ug/l

RT: 4.727 min Scan# 593

Delta R.T. 0.024 min

Lab File: VX040814.D

Acq: 27 Mar 2024 15:33

Instrument :

MSVOA_X

ClientSampleId :

SOIL-5

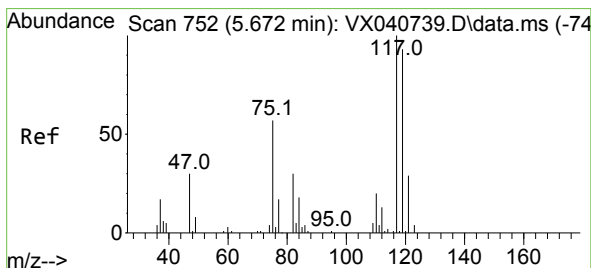
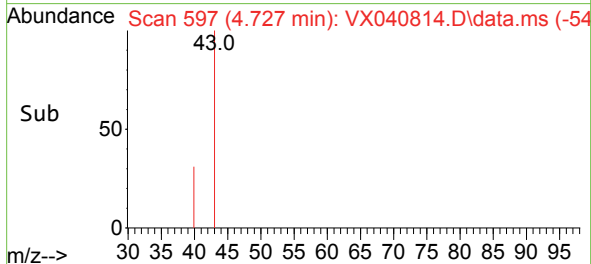
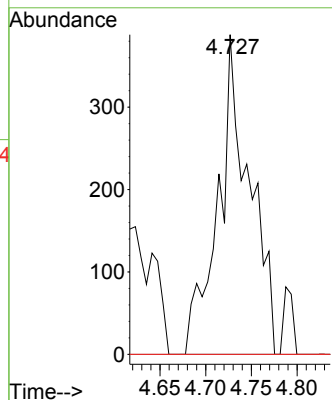
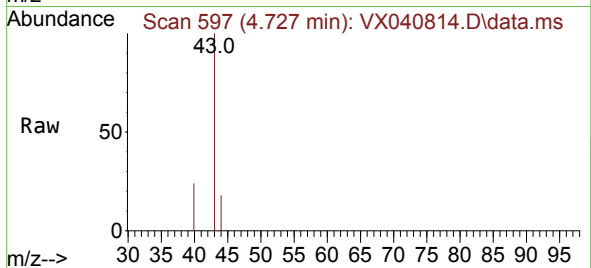
Tgt Ion: 43 Resp: 932

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 4.788 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX040814.D

Acq: 27 Mar 2024 15:33

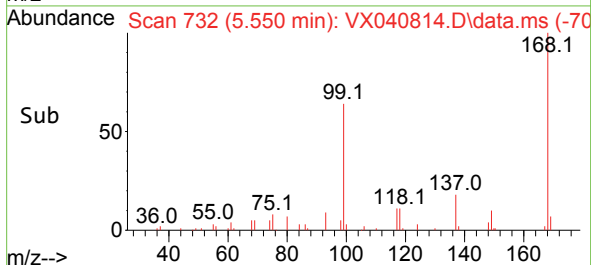
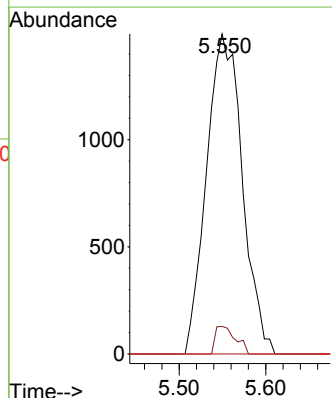
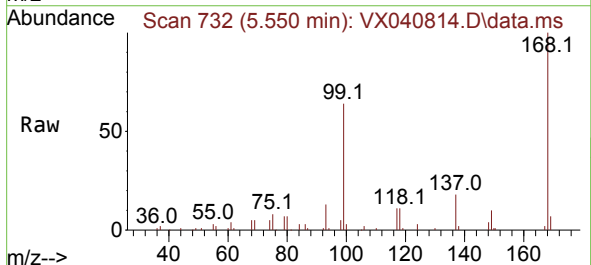
Tgt Ion: 117 Resp: 4289

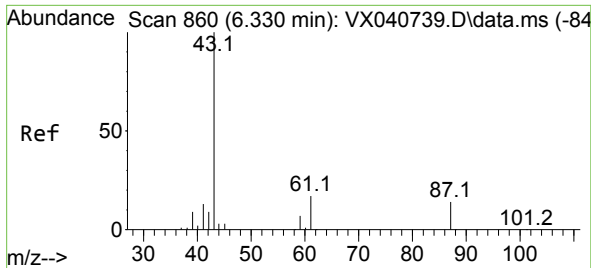
Ion Ratio Lower Upper

117 100

119 8.6 78.2 117.2#

121 0.0 24.4 36.6#

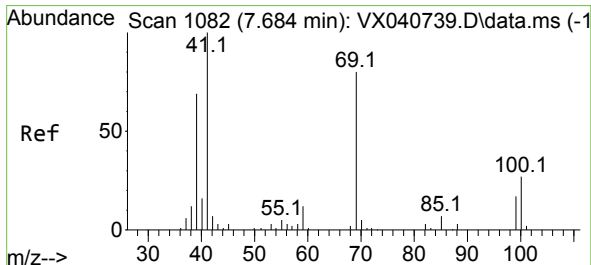
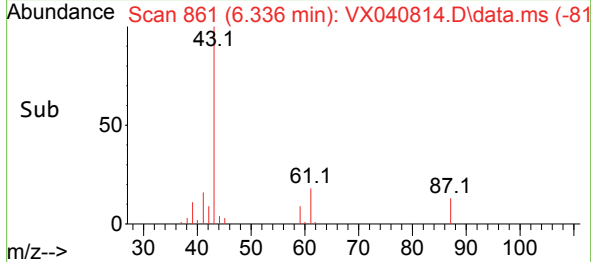
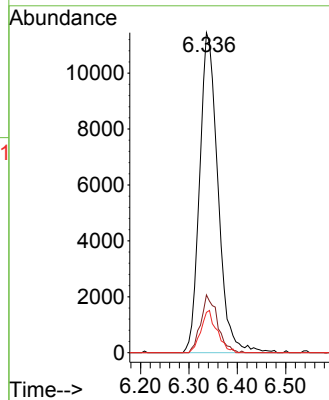
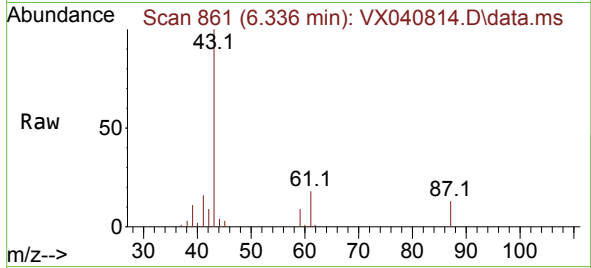




#43
Isopropyl Acetate
Concen: 21.226 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX040814.D
Acq: 27 Mar 2024 15:33

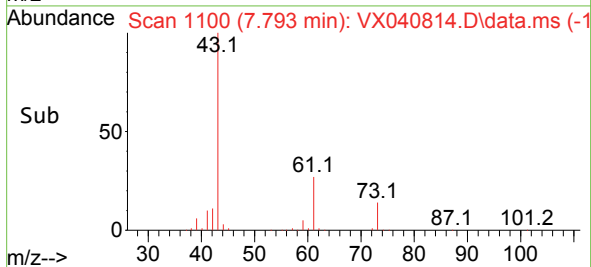
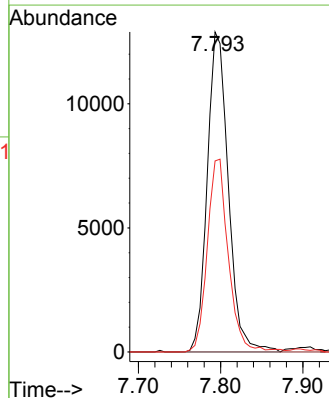
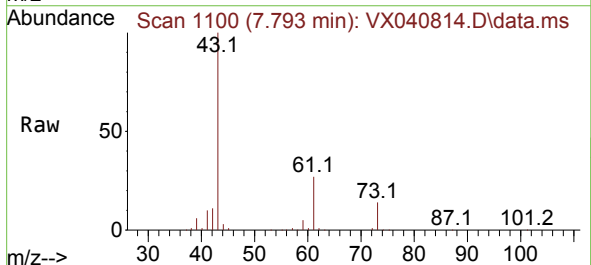
Instrument :
MSVOA_X
ClientSampleId :
SOIL-5

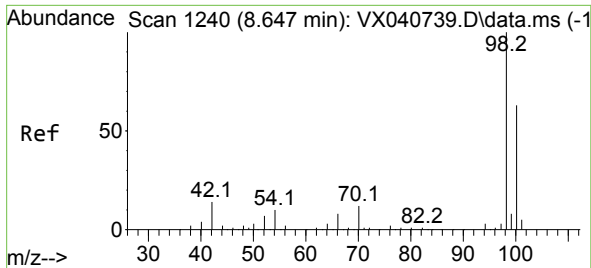
Tgt Ion: 43	Resp: 30120
Ion Ratio	Lower Upper
43	100
61	16.5 15.2 22.8
87	11.5 9.8 14.6



#48
Methyl methacrylate
Concen: 35.401 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040814.D
Acq: 27 Mar 2024 15:33

Tgt Ion: 41	Resp: 22960
Ion Ratio	Lower Upper
41	100
69	0.0 59.2 88.8#
39	60.0 47.7 71.5

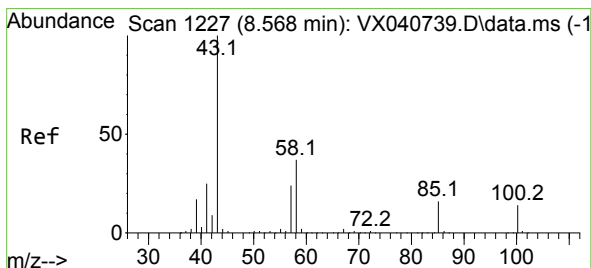
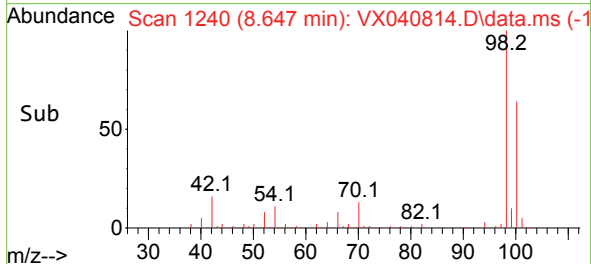
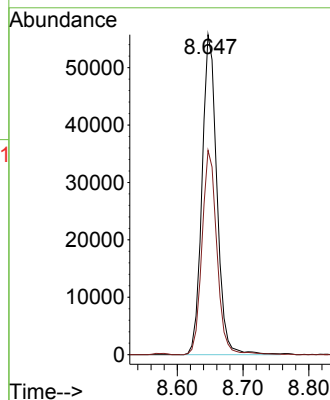
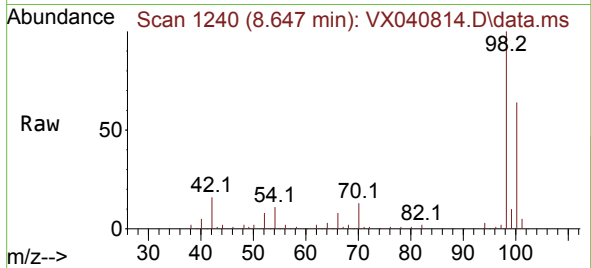




#50
Toluene-d8
Concen: 47.371 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040814.D
Acq: 27 Mar 2024 15:33

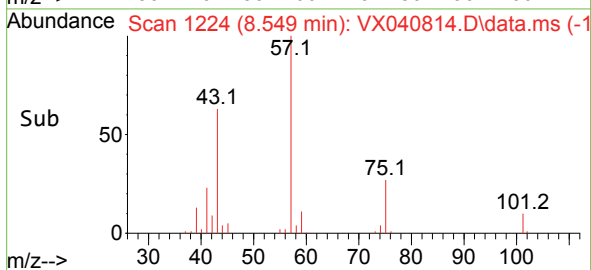
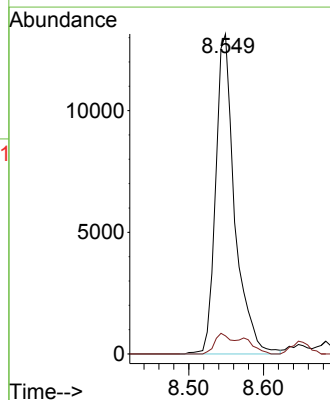
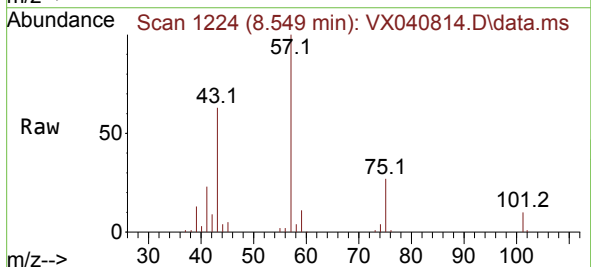
Instrument :
MSVOA_X
ClientSampleId :
SOIL-5

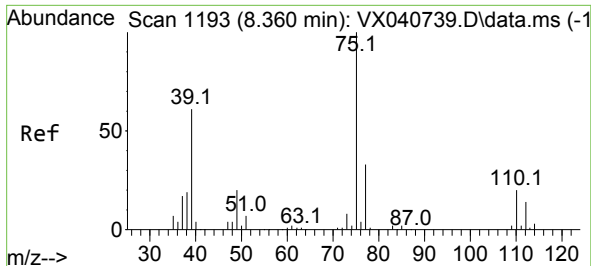
Tgt Ion: 98 Resp: 87667
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 26.454 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX040814.D
Acq: 27 Mar 2024 15:33

Tgt Ion: 43 Resp: 23280
Ion Ratio Lower Upper
43 100
58 5.7 30.4 45.6#

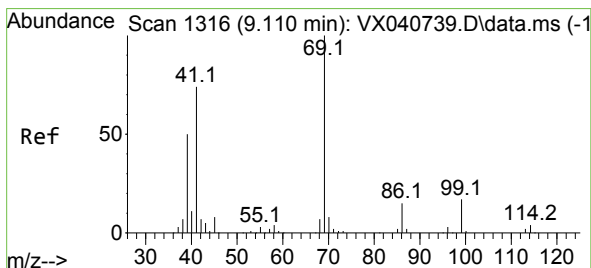
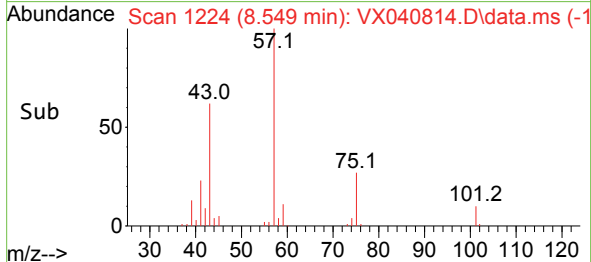
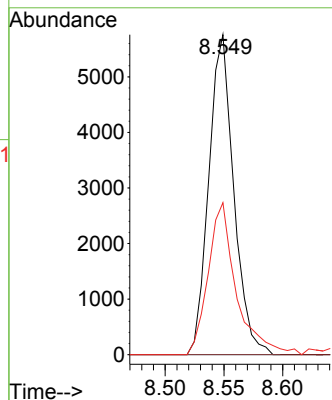
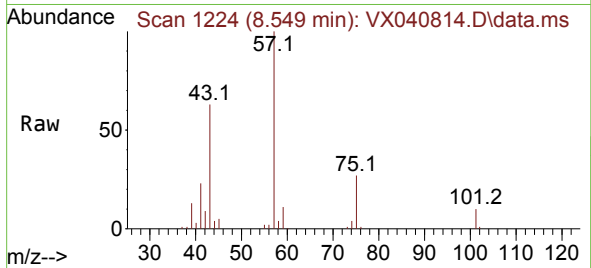




#54
 cis-1,3-Dichloropropene
 Concen: 9.505 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX040814.D
 Acq: 27 Mar 2024 15:33

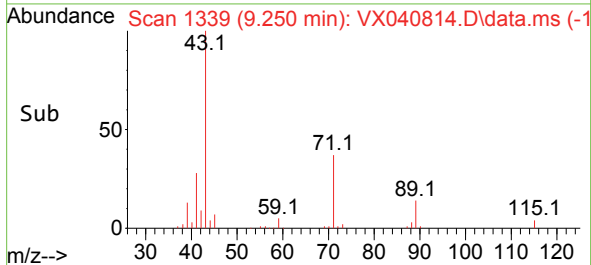
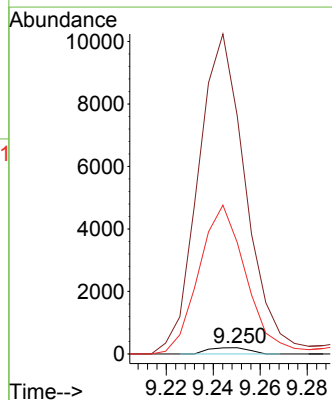
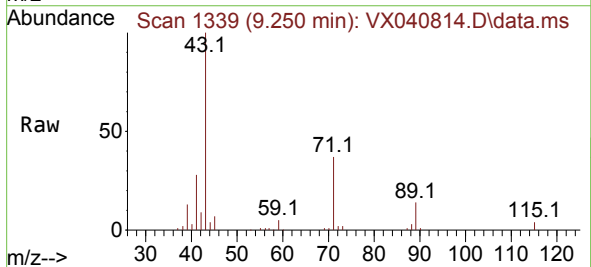
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-5

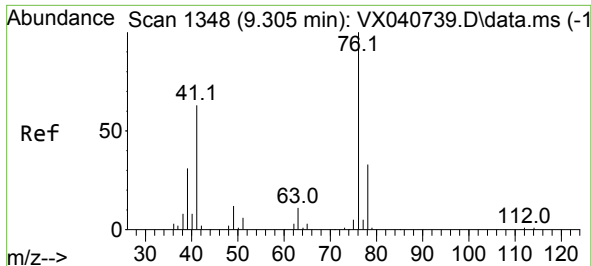
Tgt Ion: 75 Resp: 8485
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 47.5 46.7 70.1



#56
 Ethyl methacrylate
 Concen: 0.271 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.140 min
 Lab File: VX040814.D
 Acq: 27 Mar 2024 15:33

Tgt Ion: 69 Resp: 242
 Ion Ratio Lower Upper
 69 100
 41 5975.2 56.8 85.2#
 39 2759.5 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.088 ug/l

RT: 9.476 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX040814.D

Acq: 27 Mar 2024 15:33

Instrument :

MSVOA_X

ClientSampleId :

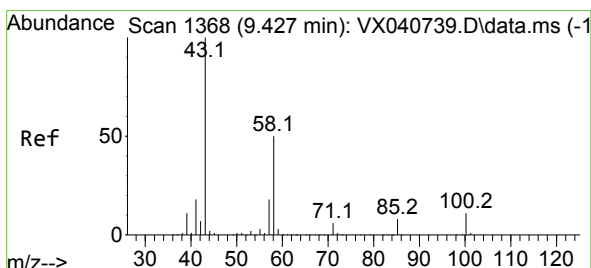
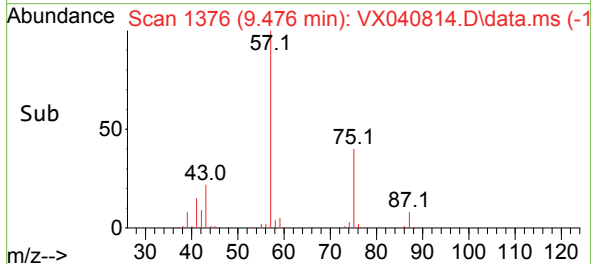
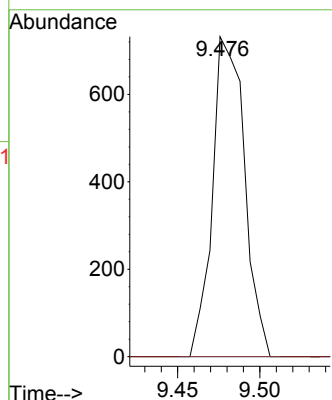
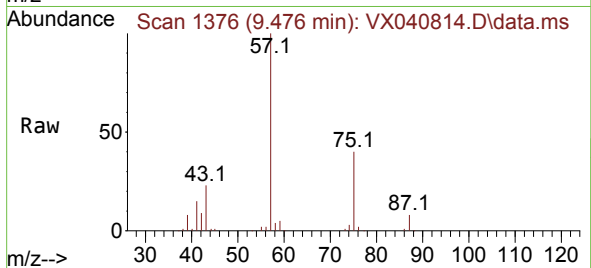
SOIL-5

Tgt Ion: 76 Resp: 991

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 38.656 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX040814.D

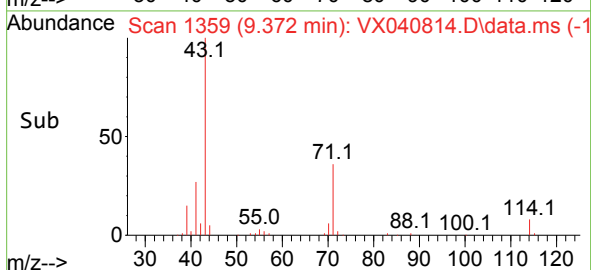
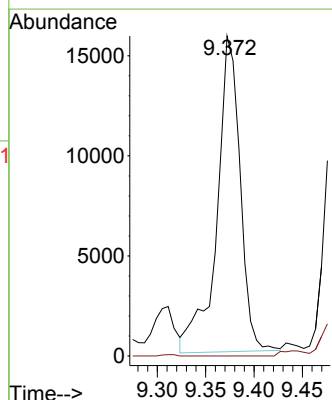
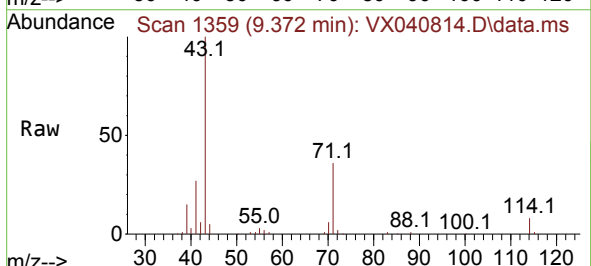
Acq: 27 Mar 2024 15:33

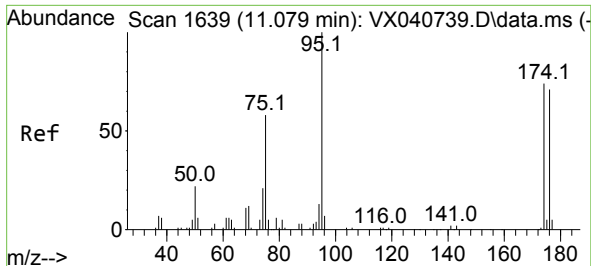
Tgt Ion: 43 Resp: 26352

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

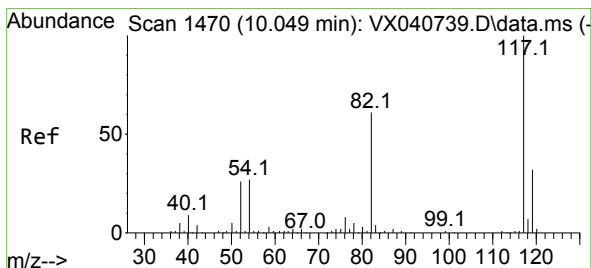
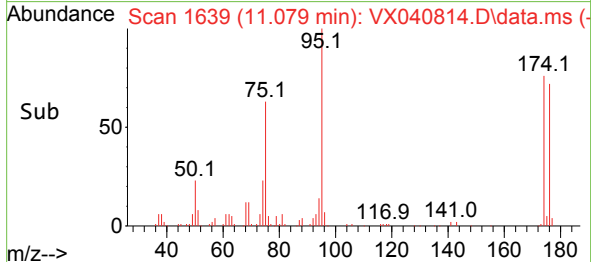
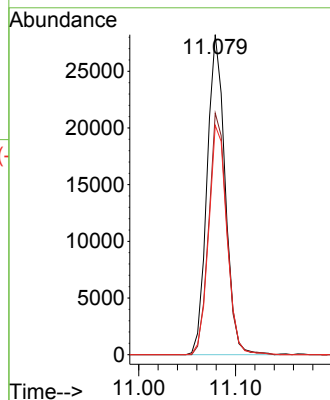
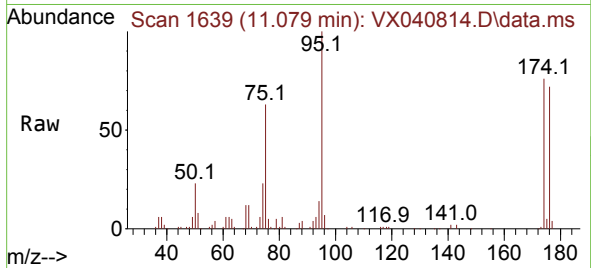




#62
4-Bromofluorobenzene
Concen: 50.186 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040814.D
Acq: 27 Mar 2024 15:33

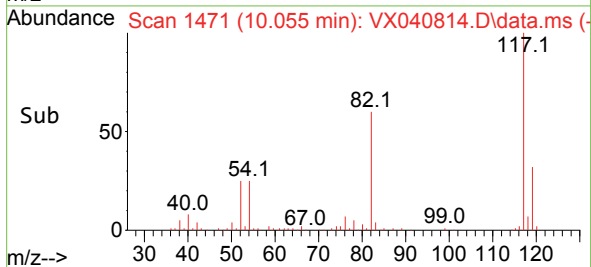
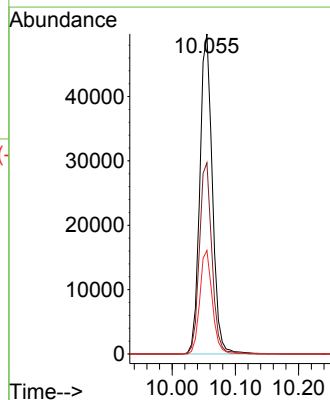
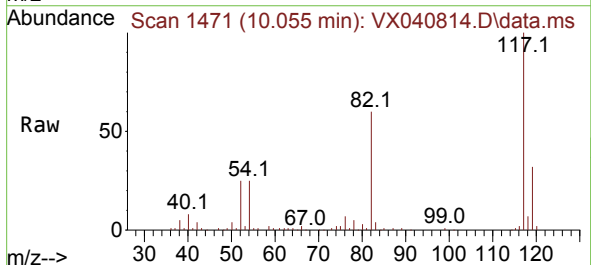
Instrument :
MSVOA_X
ClientSampleId :
SOIL-5

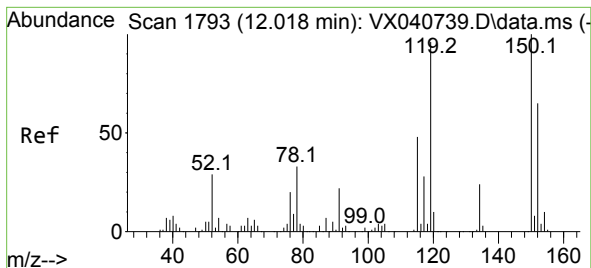
Tgt Ion: 95 Resp: 36694
Ion Ratio Lower Upper
95 100
174 74.9 0.0 135.6
176 72.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040814.D
Acq: 27 Mar 2024 15:33

Tgt Ion: 117 Resp: 68618
Ion Ratio Lower Upper
117 100
82 59.8 46.2 69.4
119 32.3 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: VX040814.D

Acq: 27 Mar 2024 15:33

Instrument :

MSVOA_X

ClientSampleId :

SOIL-5

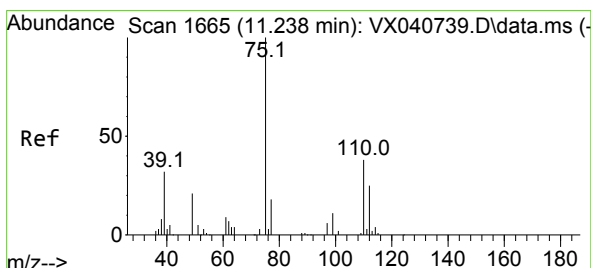
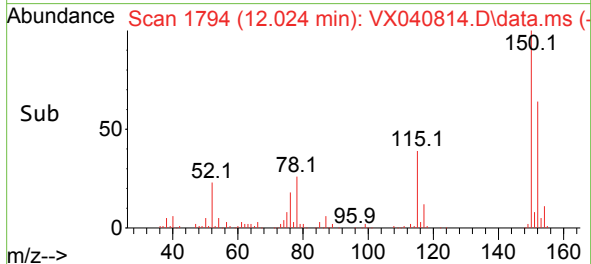
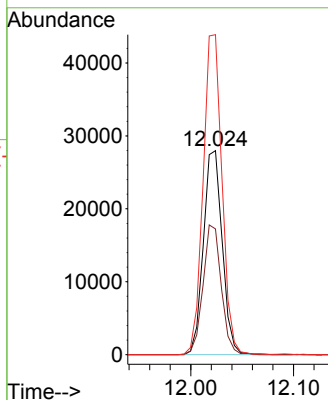
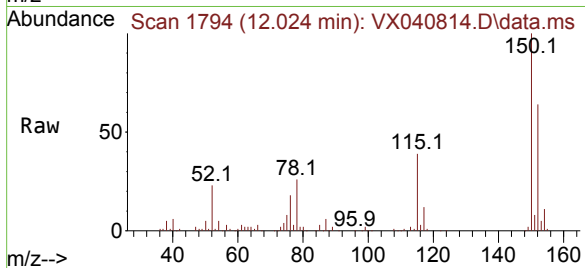
Tgt Ion:152 Resp: 35800

Ion Ratio Lower Upper

152 100

115 61.6 43.3 129.9

150 157.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 28.236 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040814.D

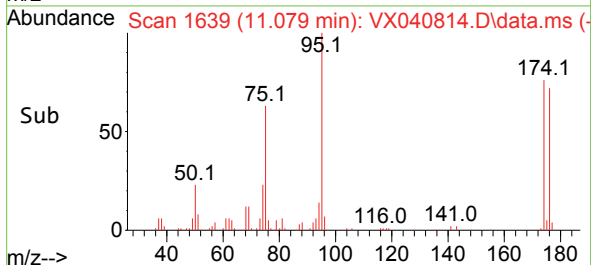
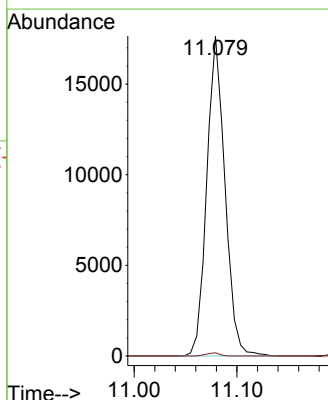
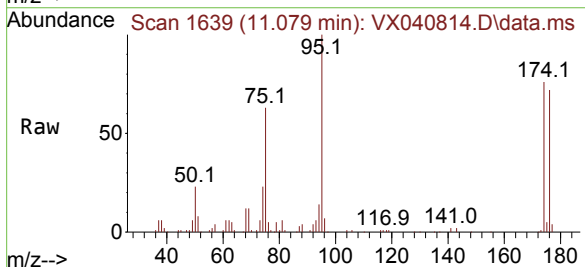
Acq: 27 Mar 2024 15:33

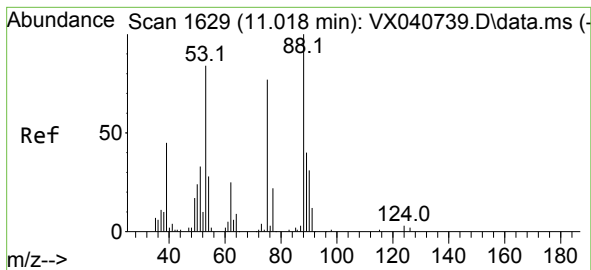
Tgt Ion: 75 Resp: 21741

Ion Ratio Lower Upper

75 100

77 0.7 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.432 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040814.D
 Acq: 27 Mar 2024 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-5

Tgt Ion: 75 Resp: 21741
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.2 36.9 55.3#

