

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040424\
 Data File : VX040883.D
 Acq On : 04 Apr 2024 13:18
 Operator : JC/MD
 Sample : P1974-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-2

Quant Time: Apr 05 04:10:13 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)

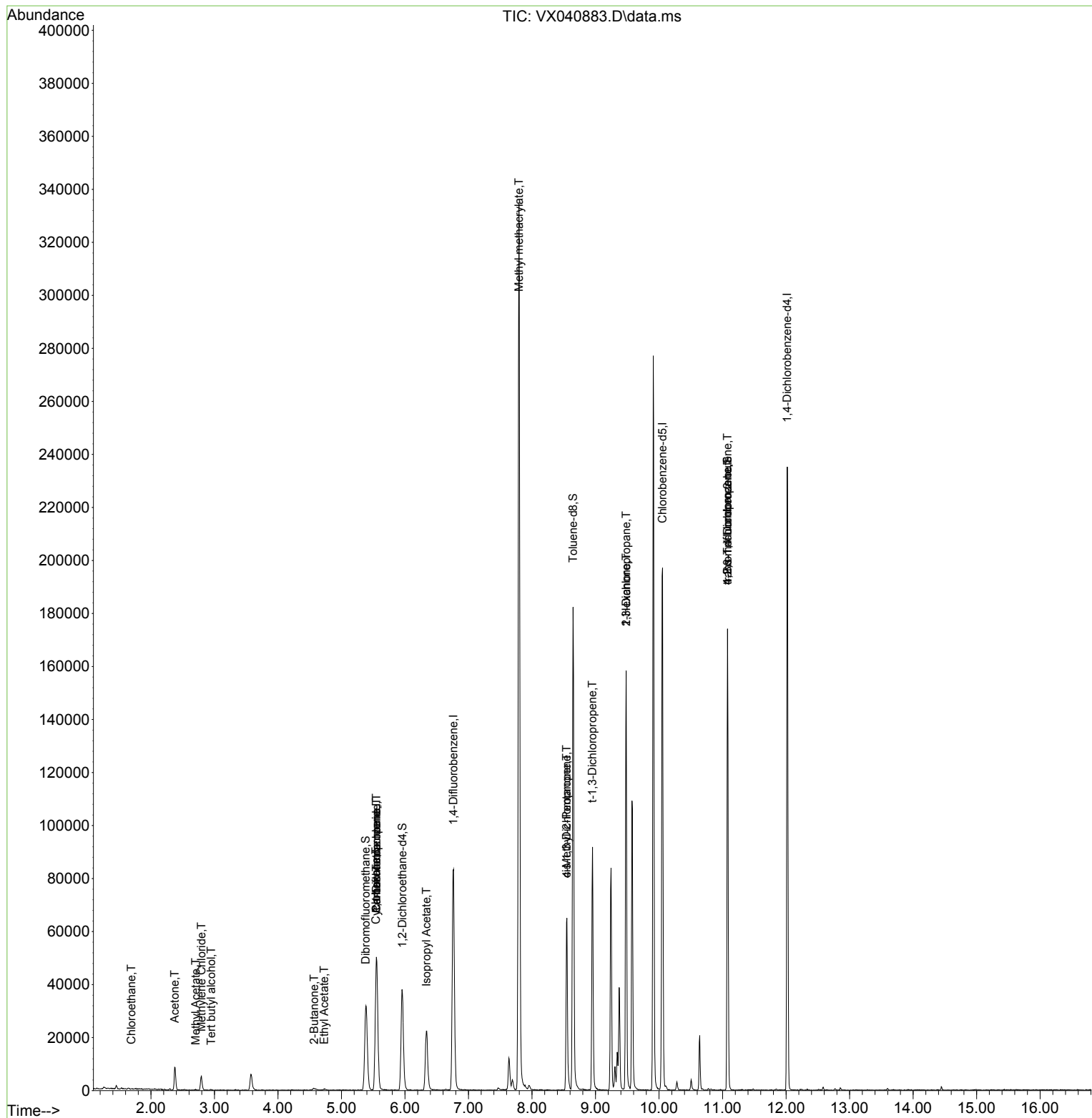
Internal Standards						
1) Pentafluorobenzene	5.550	168	43788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	80242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	83124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	42576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	39040	49.690	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.380%
35) Dibromofluoromethane	5.379	113	27657	48.662	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.320%
50) Toluene-d8	8.647	98	102735	50.024	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.040%
62) 4-Bromofluorobenzene	11.079	95	43309	52.806	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.620%
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	95	0.278	ug/l #	43
11) Tert butyl alcohol	2.947	59	171	1.192	ug/l #	78
16) Acetone	2.374	43	9807	32.147	ug/l	97
18) Methyl Acetate	2.703	43	362	0.500	ug/l #	53
20) Methylene Chloride	2.794	84	2364	4.181	ug/l	96
25) 2-Butanone	4.568	43	1481	3.268	ug/l #	76
31) Cyclohexane	5.544	56	601	0.721	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	4211	5.214	ug/l #	50
37) Ethyl Acetate	4.727	43	972	0.980	ug/l #	69
38) Carbon Tetrachloride	5.550	117	4858	5.434	ug/l #	14
43) Isopropyl Acetate	6.336	43	32420	21.170	ug/l	97
48) Methyl methacrylate	7.793	41	32433	43.248	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	24698	24.313	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	186	0.949	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	9151	10.114	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	1125	1.165	ug/l #	42
59) 2-Hexanone	9.482	43	20548	25.222	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	25578	28.173	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	25578	76.011	ug/l #	5

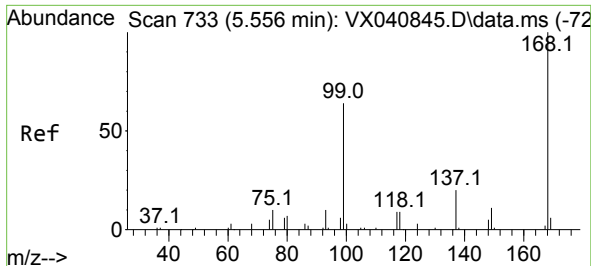
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 02 05:40:55 2024
Response via : Initial Calibration

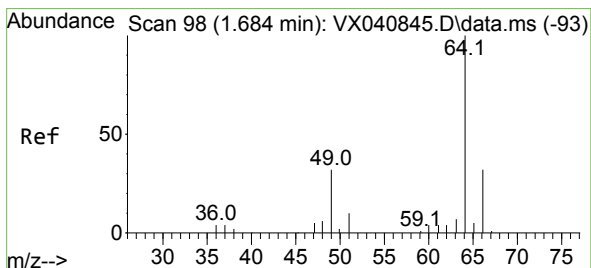
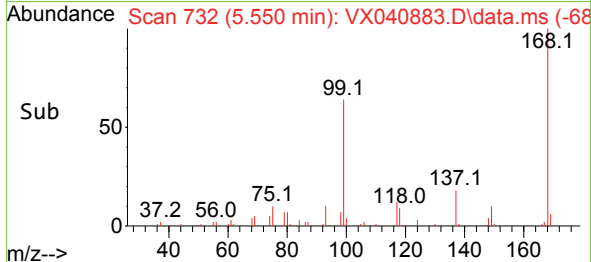
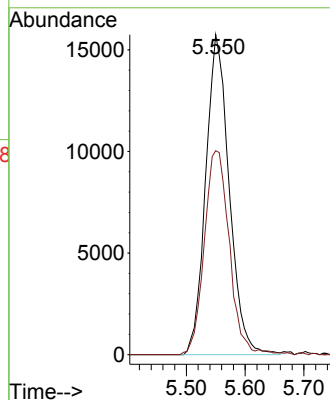
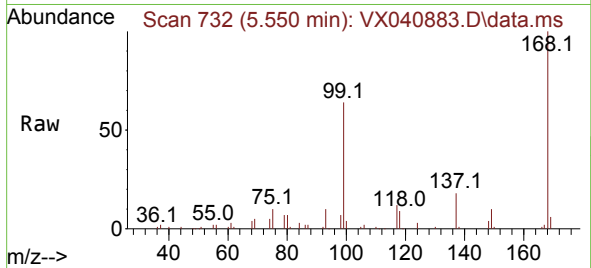




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040883.D
Acq: 04 Apr 2024 13:18

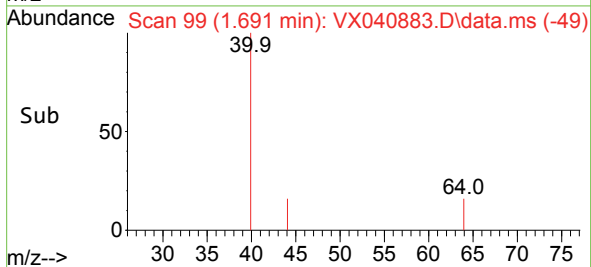
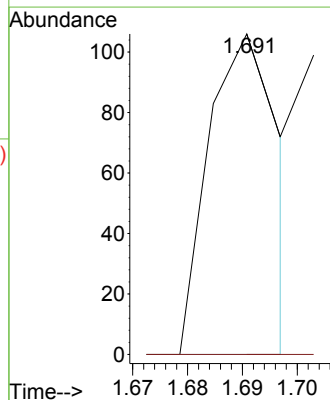
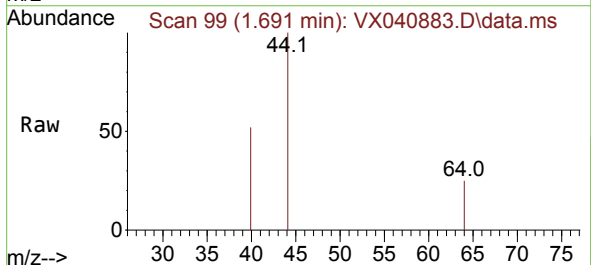
Instrument :
MSVOA_X
ClientSampleId :
SOIL-2

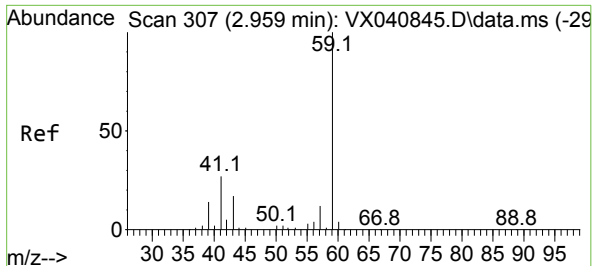
Tgt Ion:168 Resp: 43788
Ion Ratio Lower Upper
168 100
99 63.7 56.6 85.0



#6
Chloroethane
Concen: 0.278 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX040883.D
Acq: 04 Apr 2024 13:18

Tgt Ion: 64 Resp: 95
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.192 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX040883.D

Acq: 04 Apr 2024 13:18

Instrument :

MSVOA_X

ClientSampleId :

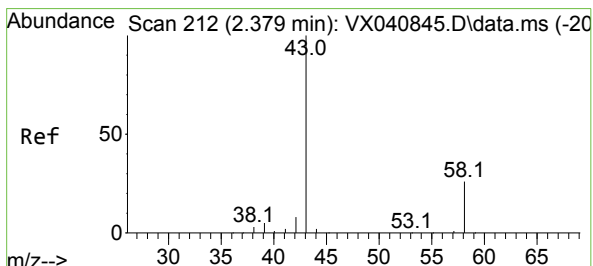
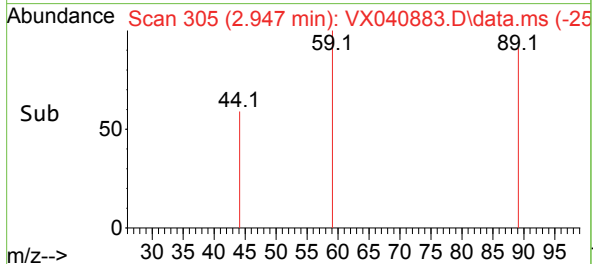
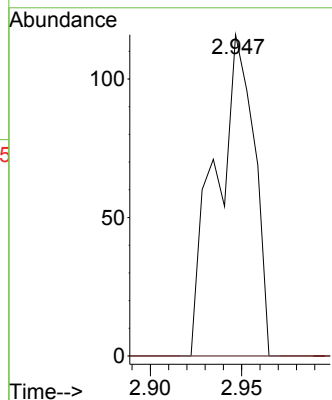
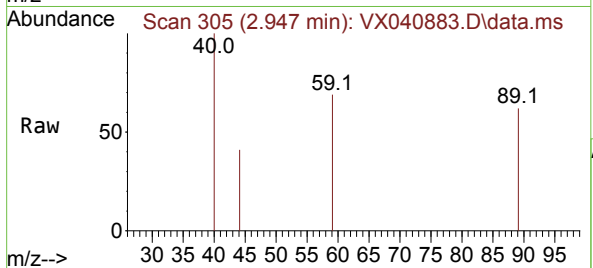
SOIL-2

Tgt Ion: 59 Resp: 171

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 32.147 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX040883.D

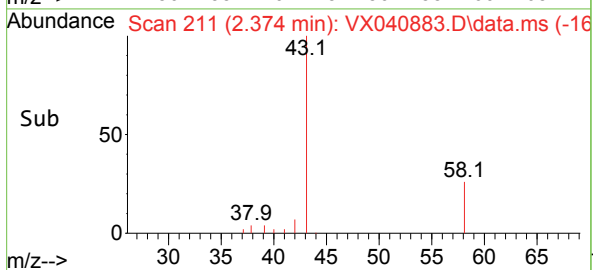
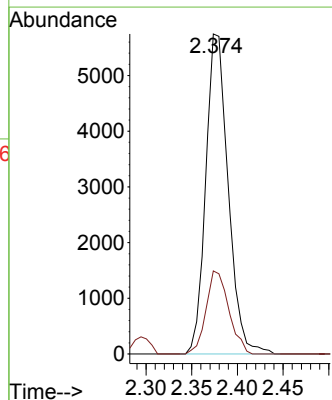
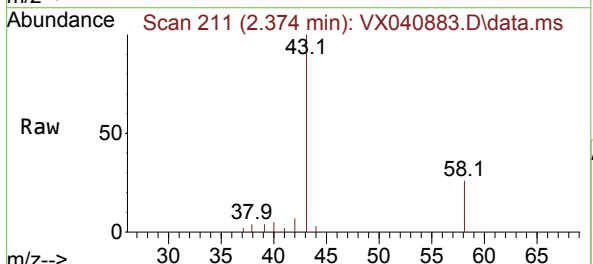
Acq: 04 Apr 2024 13:18

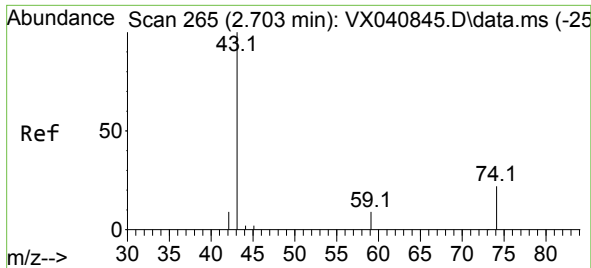
Tgt Ion: 43 Resp: 9807

Ion Ratio Lower Upper

43 100

58 26.0 21.9 32.9





#18

Methyl Acetate

Concen: 0.500 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX040883.D

Acq: 04 Apr 2024 13:18

Instrument :

MSVOA_X

ClientSampleId :

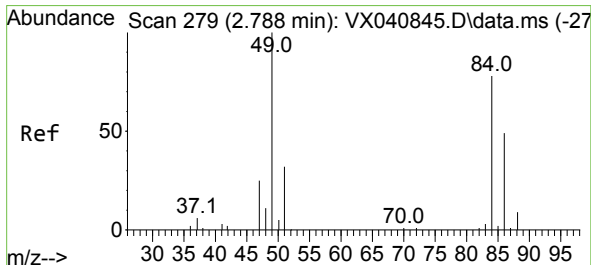
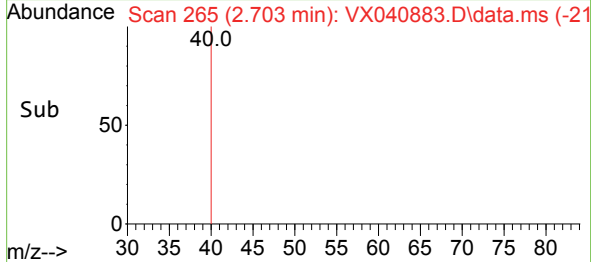
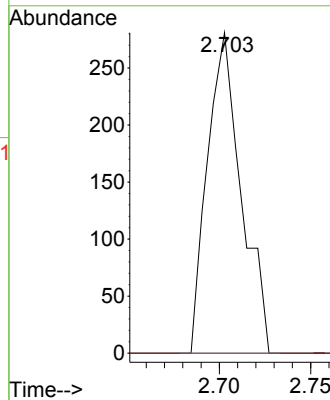
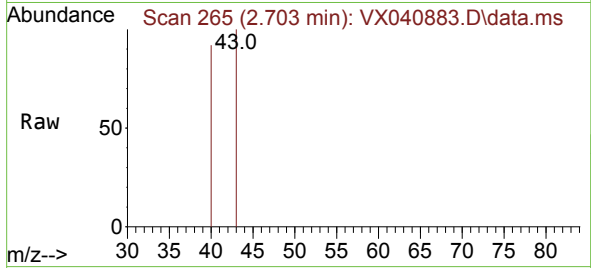
SOIL-2

Tgt Ion: 43 Resp: 362

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



#20

Methylene Chloride

Concen: 4.181 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040883.D

Acq: 04 Apr 2024 13:18

Tgt Ion: 84 Resp: 2364

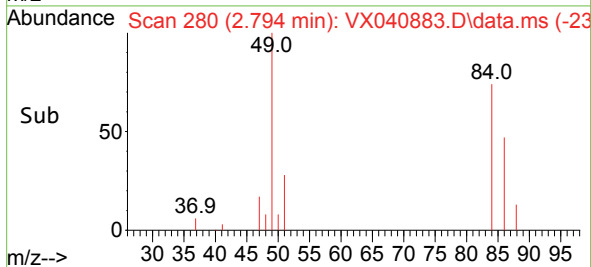
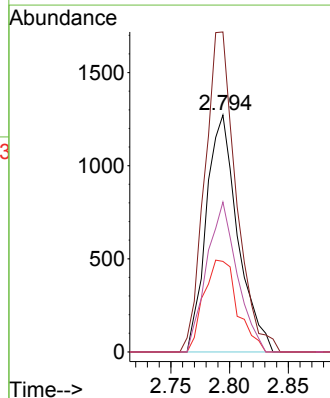
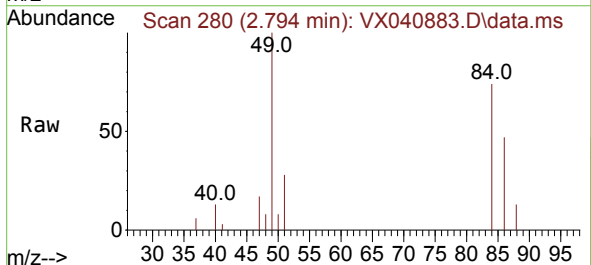
Ion Ratio Lower Upper

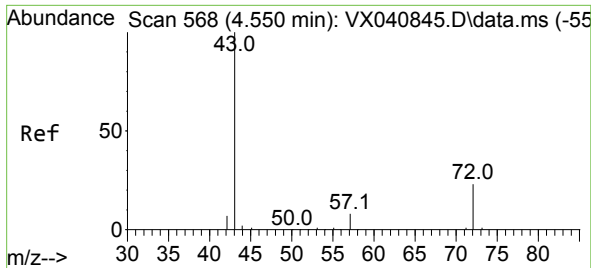
84 100

49 135.1 103.6 155.4

51 38.2 33.8 50.6

86 63.3 49.4 74.0

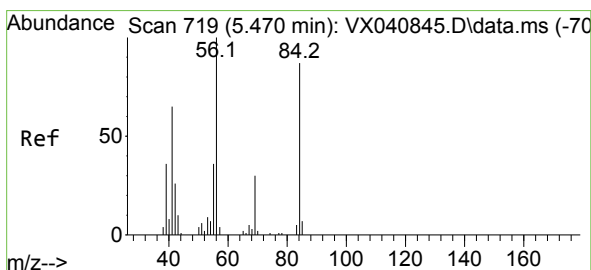
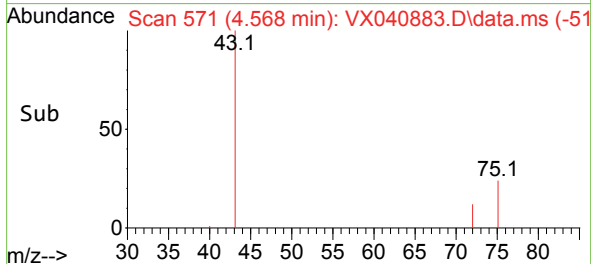
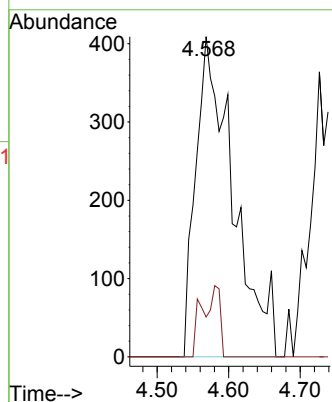
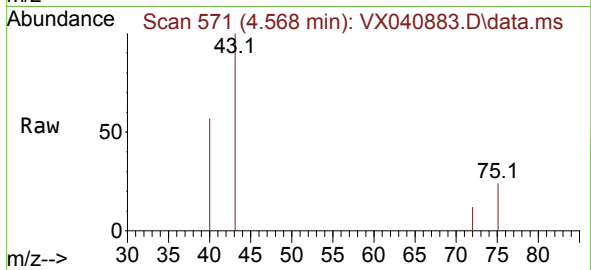




#25
2-Butanone
Concen: 3.268 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040883.D
Acq: 04 Apr 2024 13:18

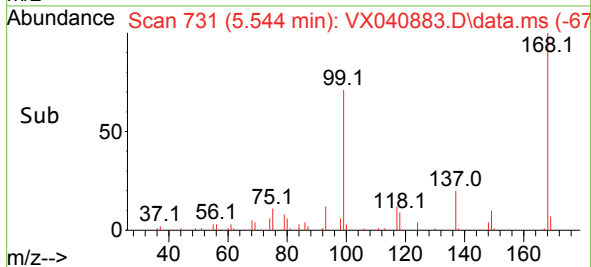
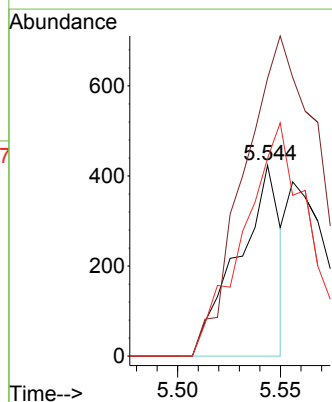
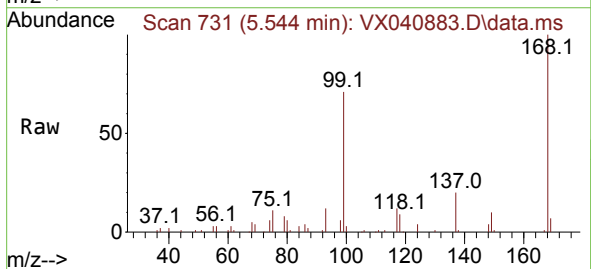
Instrument :
MSVOA_X
ClientSampleId :
SOIL-2

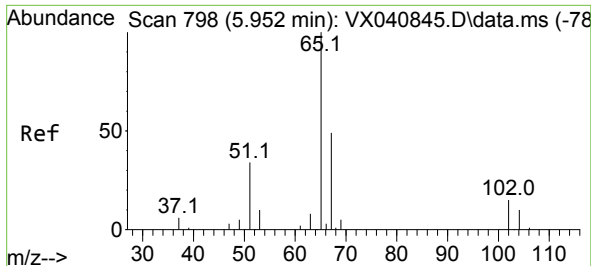
Tgt Ion: 43 Resp: 1481
Ion Ratio Lower Upper
43 100
72 12.5 19.4 29.2#



#31
Cyclohexane
Concen: 0.721 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX040883.D
Acq: 04 Apr 2024 13:18

Tgt Ion: 56 Resp: 601
Ion Ratio Lower Upper
56 100
69 145.5 23.4 35.2#
84 103.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.690 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040883.D

Acq: 04 Apr 2024 13:18

Instrument :

MSVOA_X

ClientSampleId :

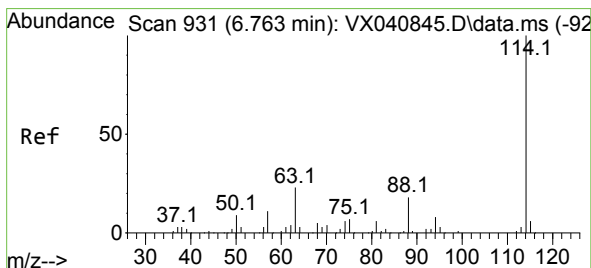
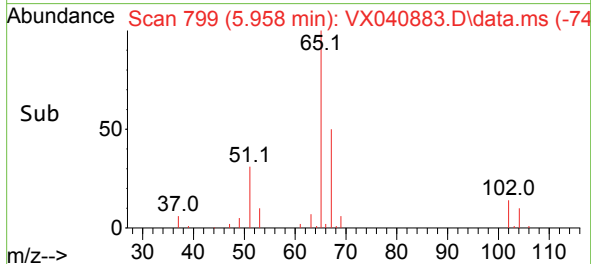
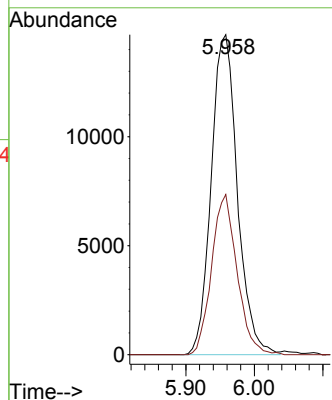
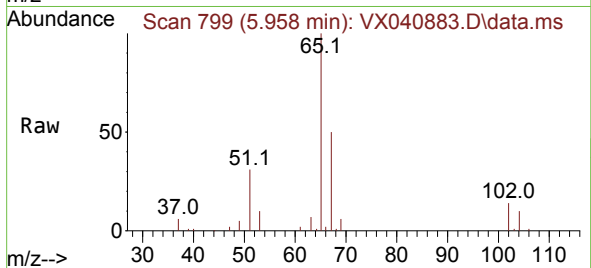
SOIL-2

Tgt Ion: 65 Resp: 39040

Ion Ratio Lower Upper

65 100

67 48.6 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: VX040883.D

Acq: 04 Apr 2024 13:18

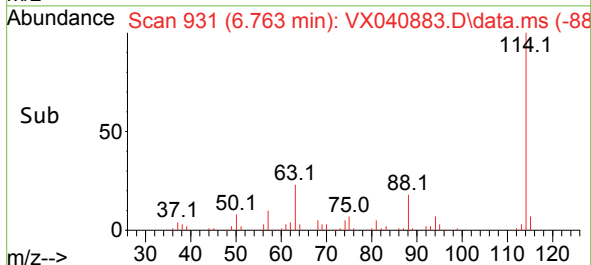
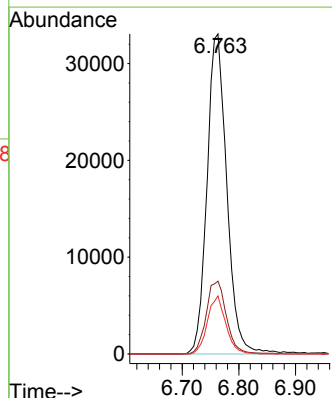
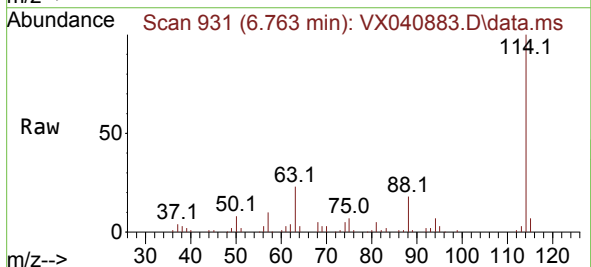
Tgt Ion: 114 Resp: 80242

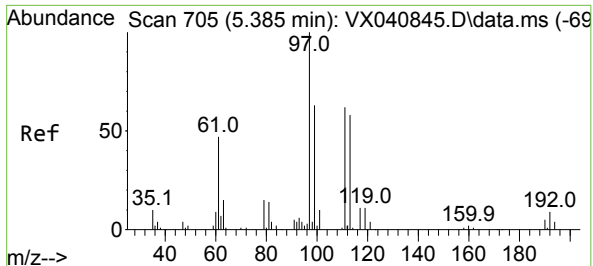
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.0

88 18.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 48.662 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX040883.D

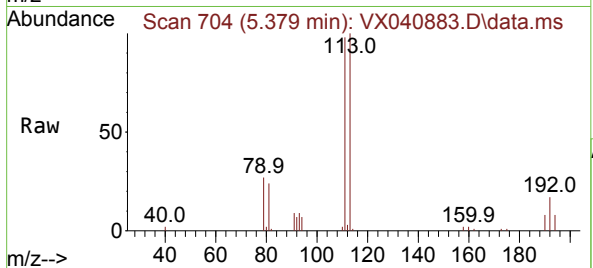
Acq: 04 Apr 2024 13:18

Instrument :

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ClientSampleId :

SOIL-2



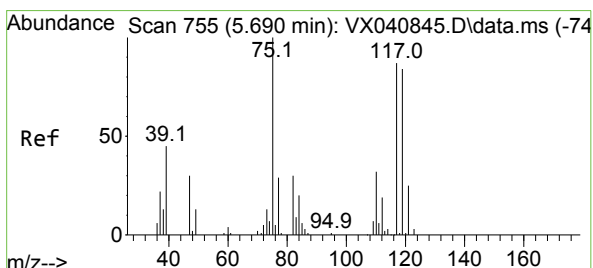
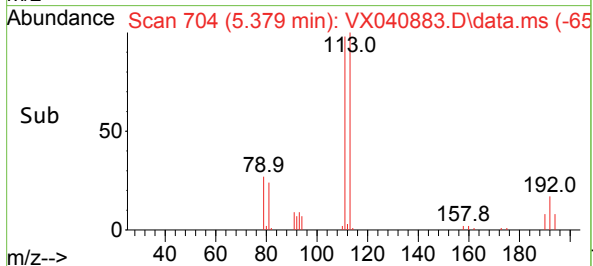
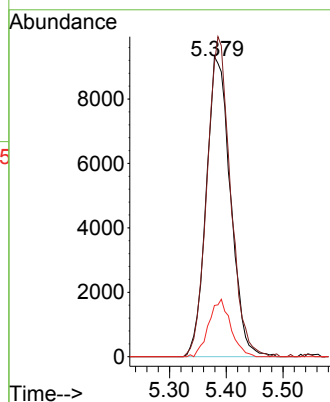
Tgt Ion:113 Resp: 27657

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

192 17.3 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.214 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX040883.D

Acq: 04 Apr 2024 13:18

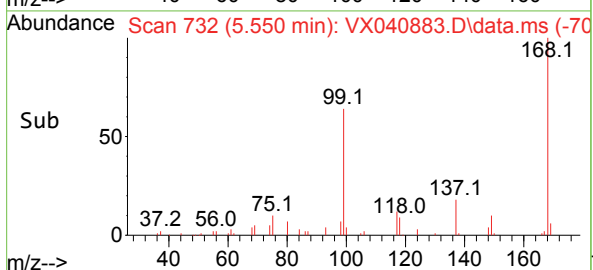
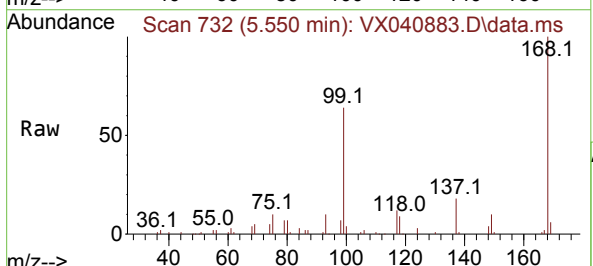
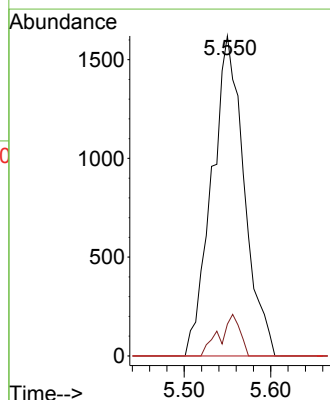
Tgt Ion: 75 Resp: 4211

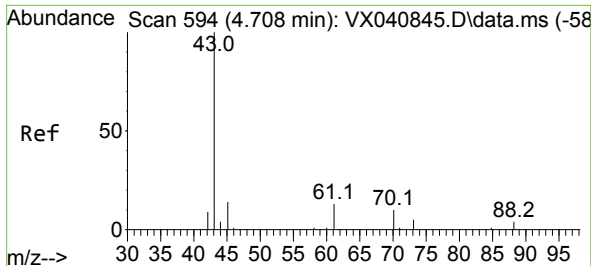
Ion Ratio Lower Upper

75 100

110 8.1 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.980 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.018 min

Lab File: VX040883.D

Acq: 04 Apr 2024 13:18

Instrument :

MSVOA_X

ClientSampleId :

SOIL-2

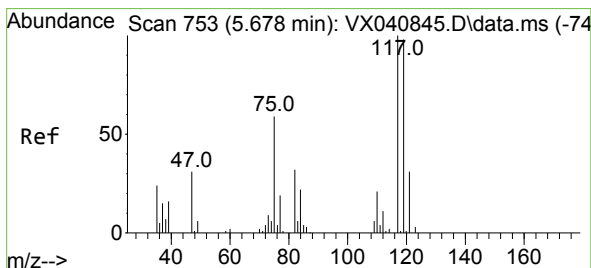
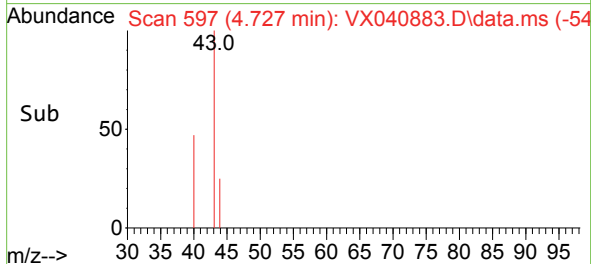
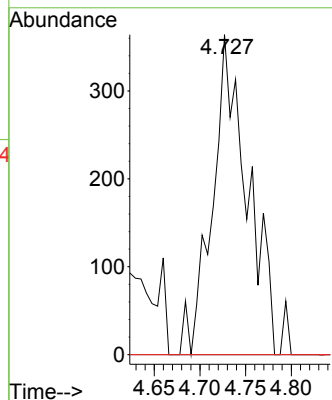
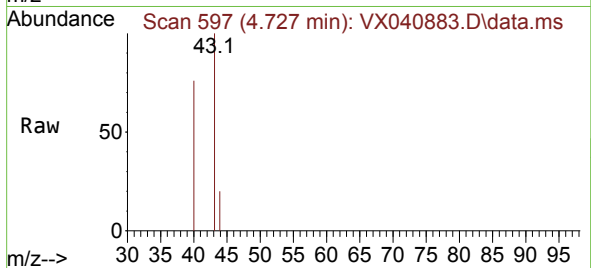
Tgt Ion: 43 Resp: 972

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.434 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX040883.D

Acq: 04 Apr 2024 13:18

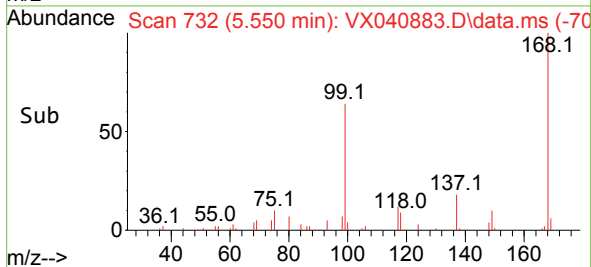
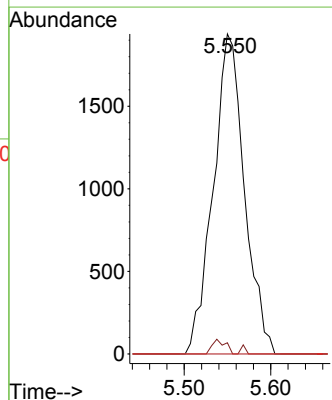
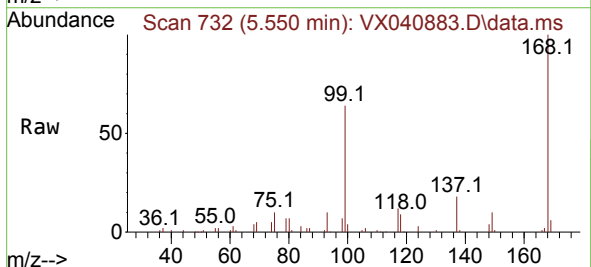
Tgt Ion: 117 Resp: 4858

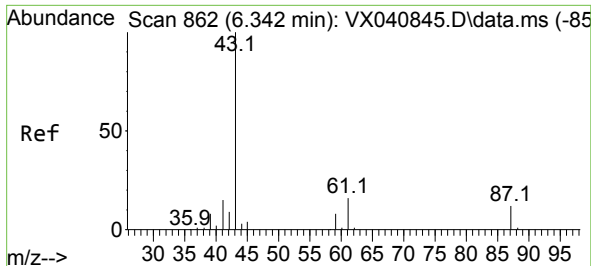
Ion Ratio Lower Upper

117 100

119 3.5 78.2 117.2#

121 0.0 24.4 36.6#

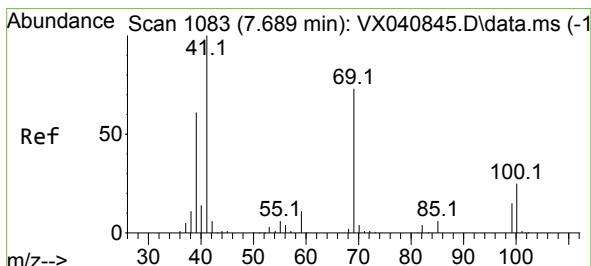
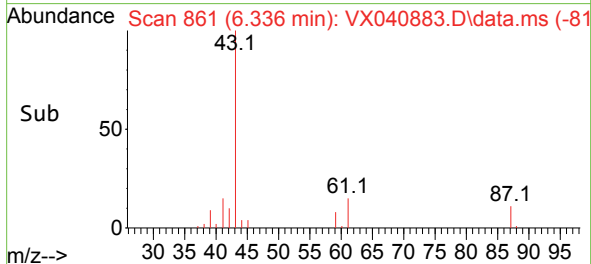
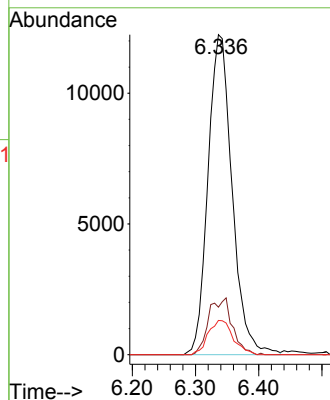
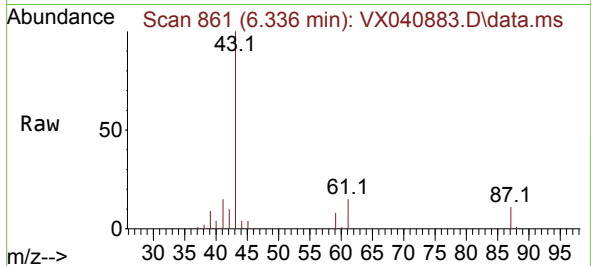




#43
Isopropyl Acetate
Concen: 21.170 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX040883.D
Acq: 04 Apr 2024 13:18

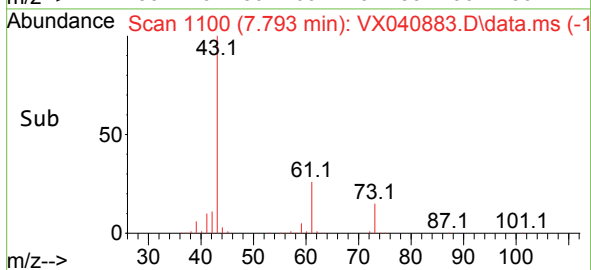
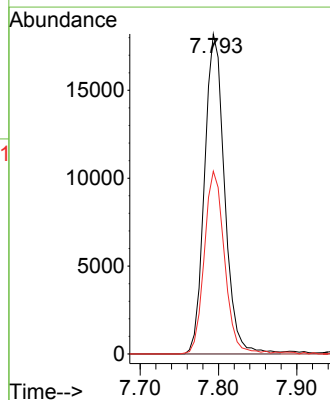
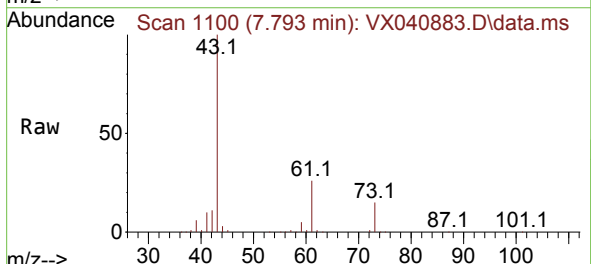
Instrument :
MSVOA_X
ClientSampleId :
SOIL-2

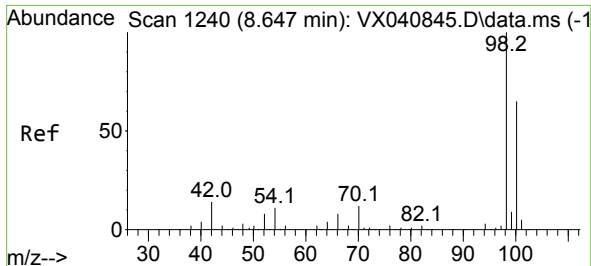
Tgt Ion: 43 Resp: 32420
Ion Ratio Lower Upper
43 100
61 17.4 15.2 22.8
87 11.0 9.8 14.6



#48
Methyl methacrylate
Concen: 43.248 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX040883.D
Acq: 04 Apr 2024 13:18

Tgt Ion: 41 Resp: 32433
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.7 47.7 71.5

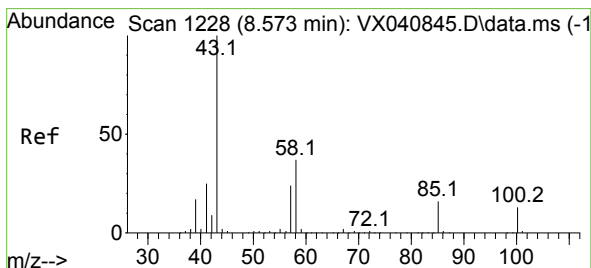
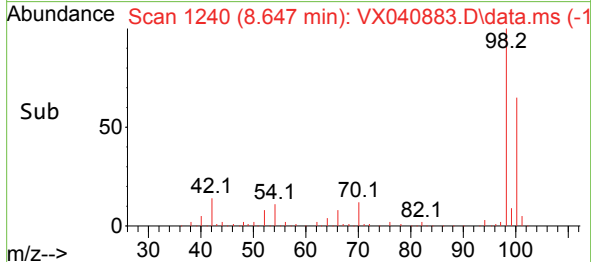
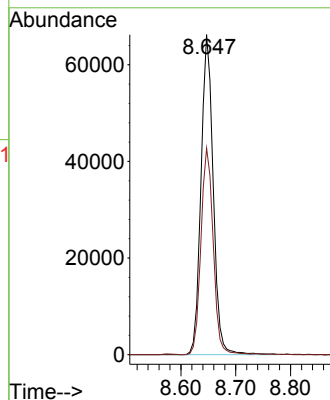
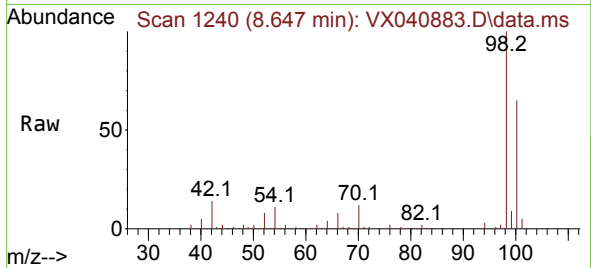




#50
Toluene-d8
Concen: 50.024 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040883.D
Acq: 04 Apr 2024 13:18

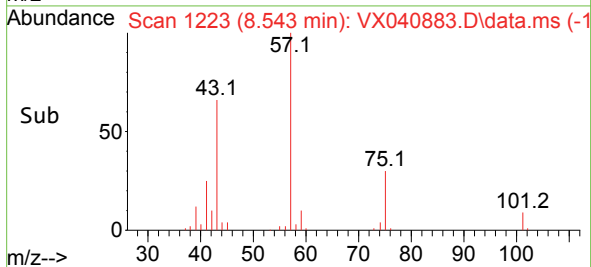
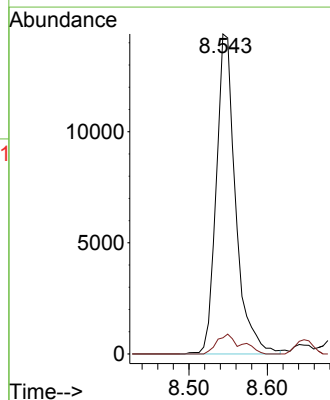
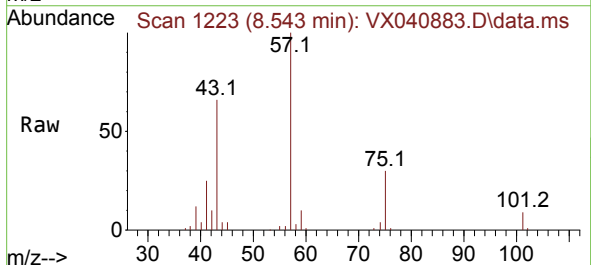
Instrument :
MSVOA_X
ClientSampleId :
SOIL-2

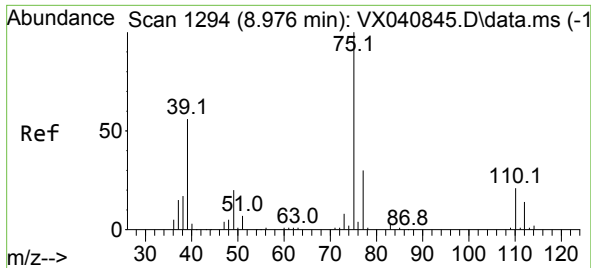
Tgt Ion: 98 Resp: 102735
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 24.313 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX040883.D
Acq: 04 Apr 2024 13:18

Tgt Ion: 43 Resp: 24698
Ion Ratio Lower Upper
43 100
58 7.8 30.4 45.6#

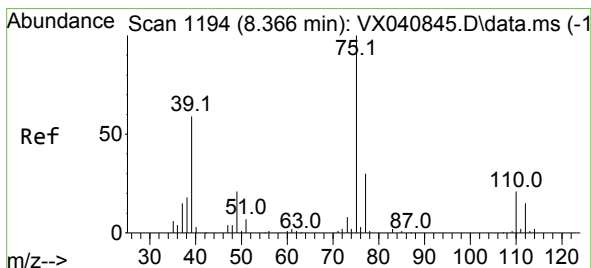
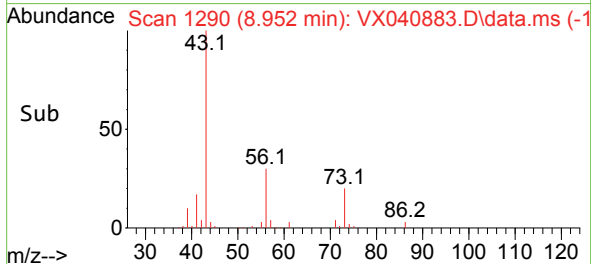
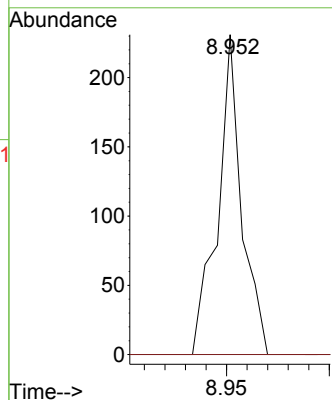
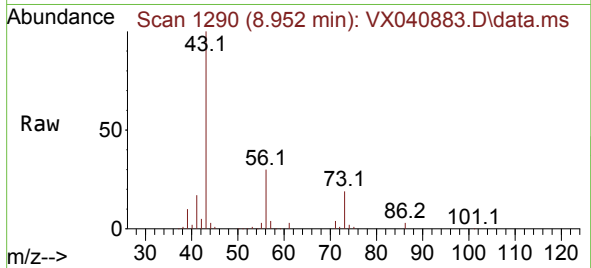




#53
 t-1,3-Dichloropropene
 Concen: 0.949 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX040883.D
 Acq: 04 Apr 2024 13:18

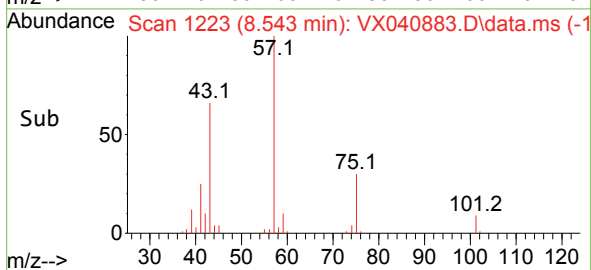
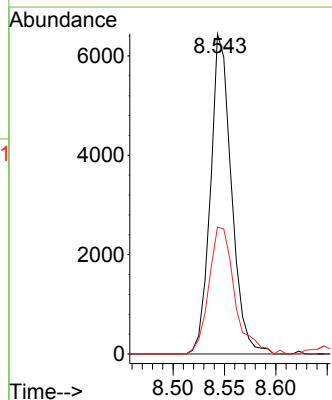
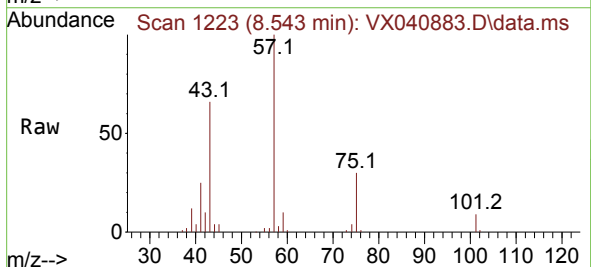
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-2

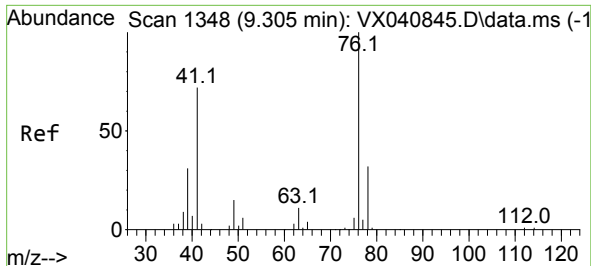
Tgt Ion: 75 Resp: 186
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 10.114 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.177 min
 Lab File: VX040883.D
 Acq: 04 Apr 2024 13:18

Tgt Ion: 75 Resp: 9151
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 39.6 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.165 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX040883.D

Acq: 04 Apr 2024 13:18

Instrument :

MSVOA_X

ClientSampleId :

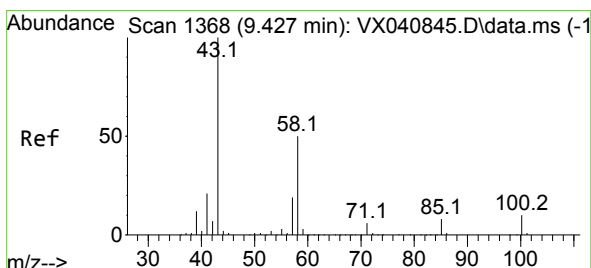
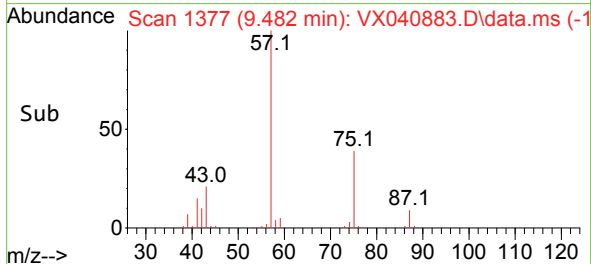
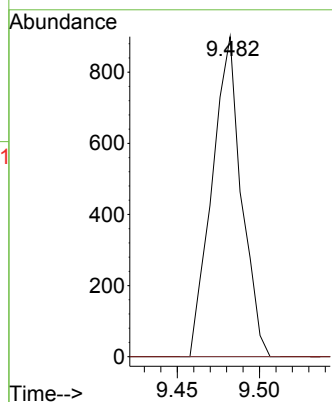
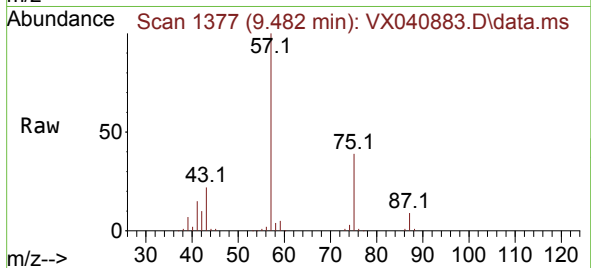
SOIL-2

Tgt Ion: 76 Resp: 1125

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 25.222 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040883.D

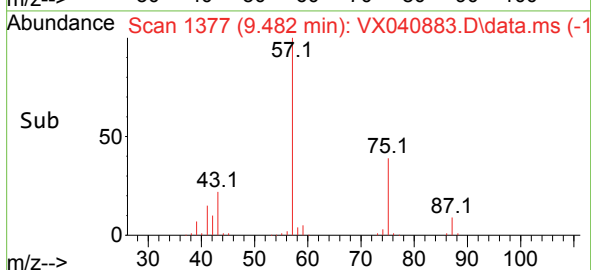
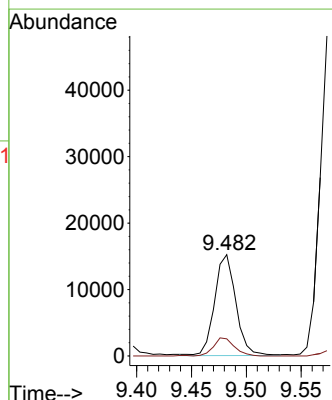
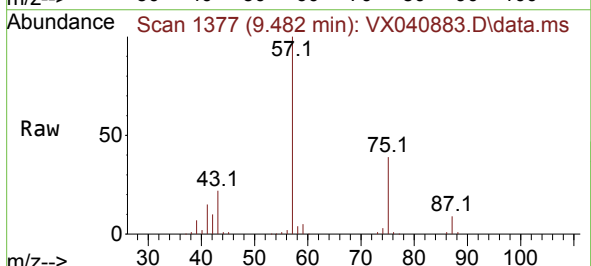
Acq: 04 Apr 2024 13:18

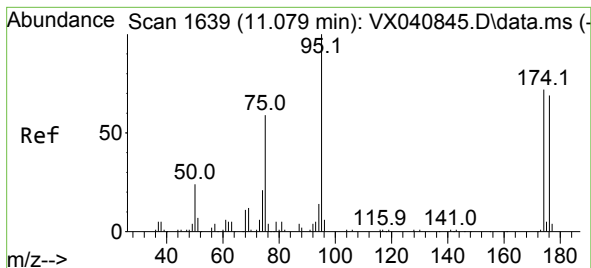
Tgt Ion: 43 Resp: 20548

Ion Ratio Lower Upper

43 100

58 17.9 26.2 78.5#

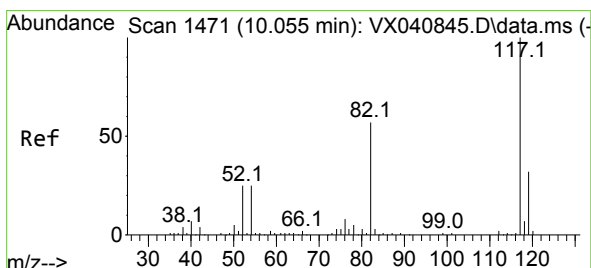
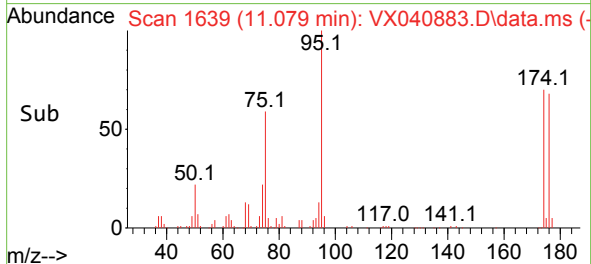
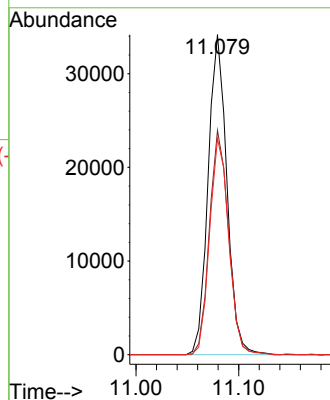
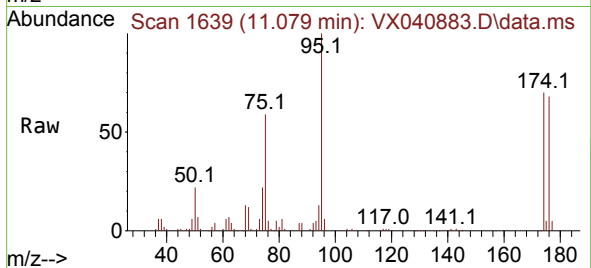




#62
4-Bromofluorobenzene
Concen: 52.806 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040883.D
Acq: 04 Apr 2024 13:18

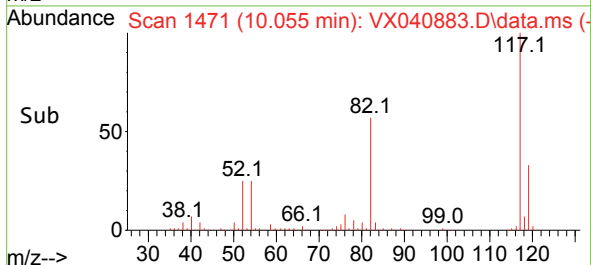
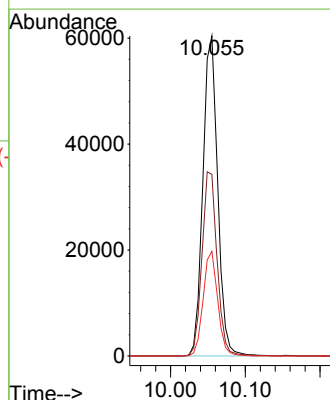
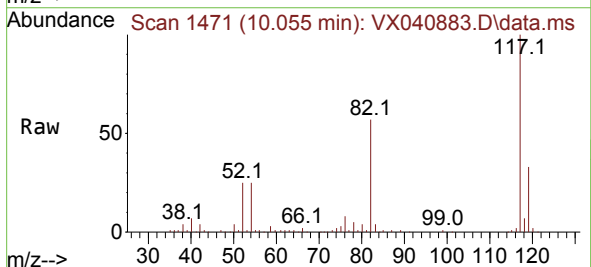
Instrument :
MSVOA_X
ClientSampleId :
SOIL-2

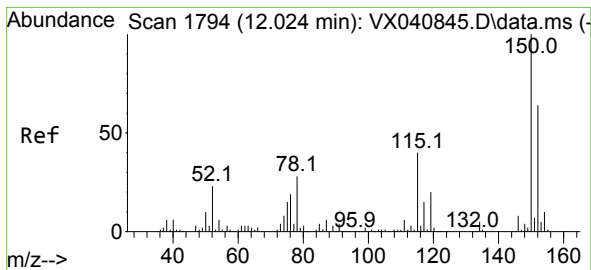
Tgt Ion: 95 Resp: 43309
Ion Ratio Lower Upper
95 100
174 71.6 0.0 135.6
176 68.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040883.D
Acq: 04 Apr 2024 13:18

Tgt Ion: 117 Resp: 83124
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.4
119 32.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX040883.D

Acq: 04 Apr 2024 13:18

Instrument :

MSVOA_X

ClientSampleId :

SOIL-2

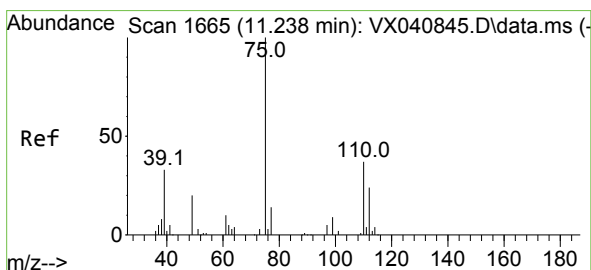
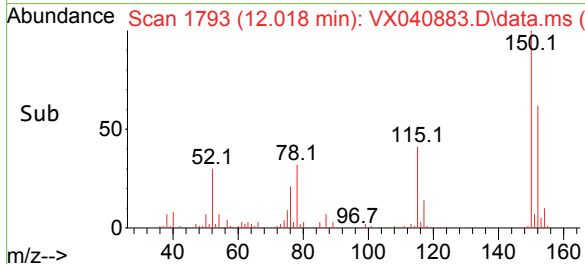
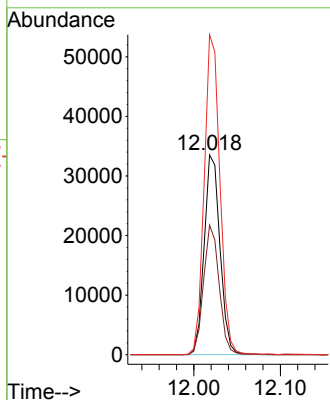
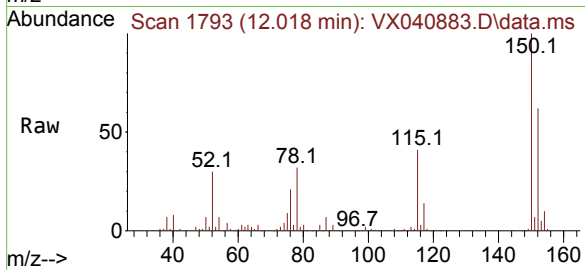
Tgt Ion:152 Resp: 42576

Ion Ratio Lower Upper

152 100

115 63.9 43.3 129.9

150 158.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 28.173 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040883.D

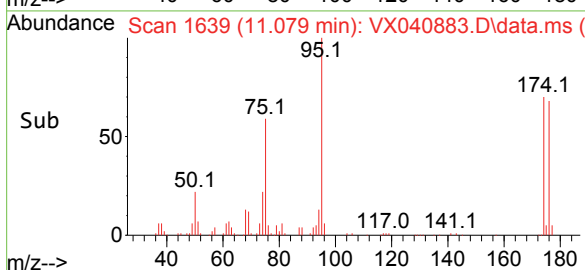
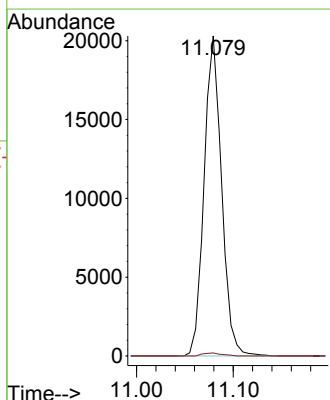
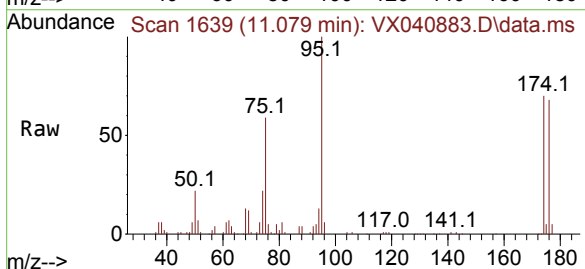
Acq: 04 Apr 2024 13:18

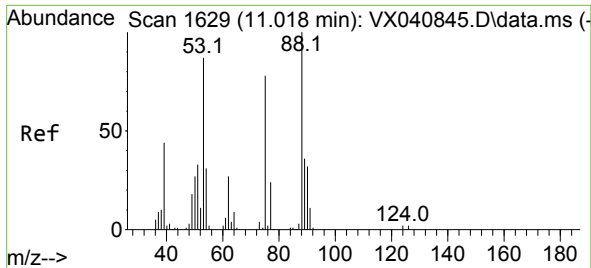
Tgt Ion: 75 Resp: 25578

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.011 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040883.D
 Acq: 04 Apr 2024 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-2

Tgt Ion: 75 Resp: 25578
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

