

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039175.D
 Acq On : 12 Dec 2023 18:51
 Operator : JC/MD
 Sample : 05718-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-SOIL-20231206

Quant Time: Dec 13 04:20:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

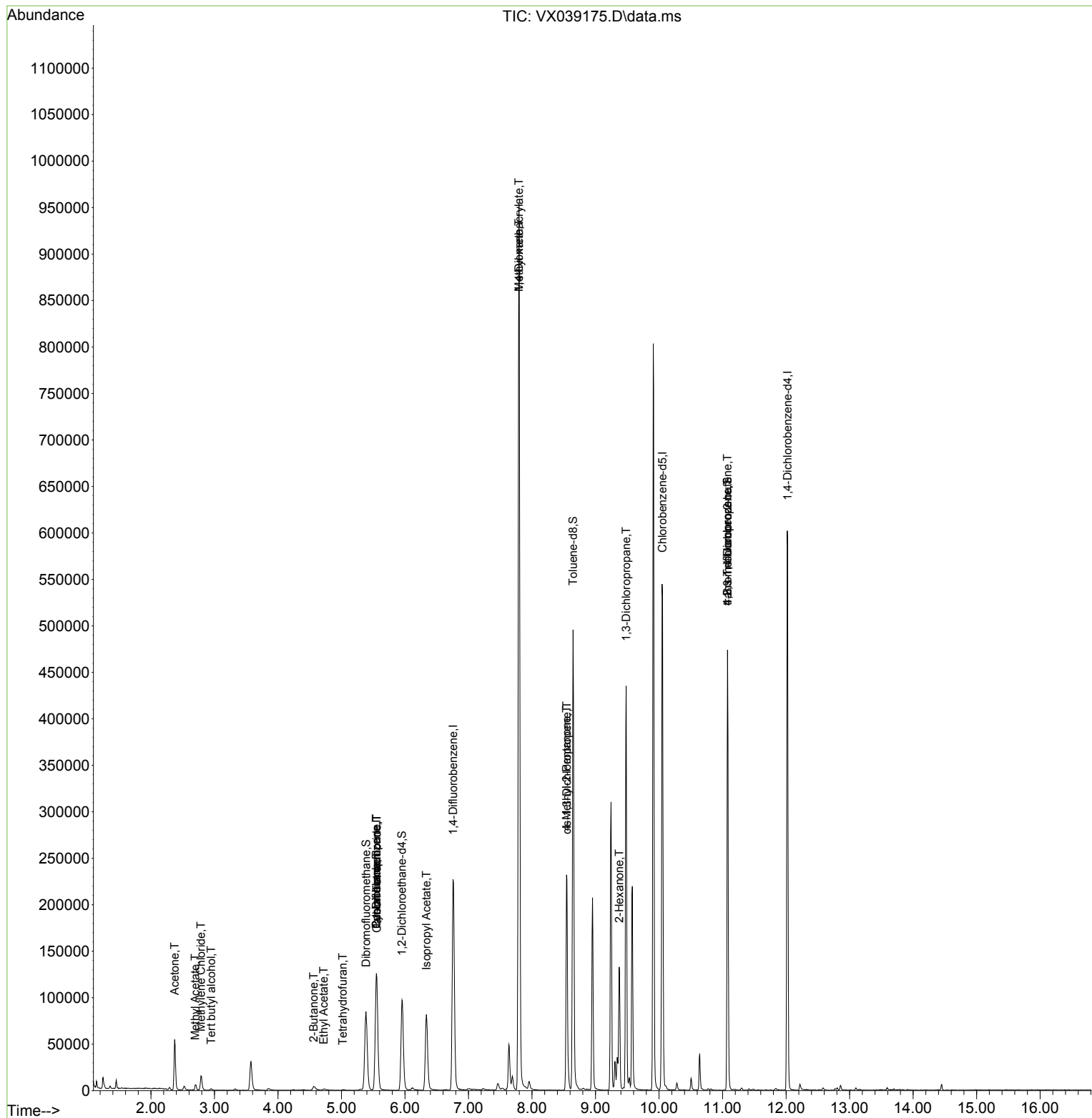
Internal Standards						
1) Pentafluorobenzene	5.550	168	108406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	221123	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95304	54.559	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.120%	
35) Dibromofluoromethane	5.385	113	72841	45.611	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.220%	
50) Toluene-d8	8.647	98	282350	46.210	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 92.420%	
62) 4-Bromofluorobenzene	11.079	95	130579	53.386	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	1533	3.155	ug/l #	88
16) Acetone	2.374	43	57187	61.499	ug/l	98
18) Methyl Acetate	2.697	43	7488	1.695	ug/l	97
20) Methylene Chloride	2.788	84	7157	4.270	ug/l	96
25) 2-Butanone	4.562	43	6858	4.548	ug/l	93
29) Tetrahydrofuran	5.019	42	237	0.248	ug/l #	52
31) Cyclohexane	5.550	56	3186	1.277	ug/l #	14
36) 1,1-Dichloropropene	5.550	75	10363	4.528	ug/l #	45
37) Ethyl Acetate	4.721	43	1023	0.343	ug/l #	67
38) Carbon Tetrachloride	5.556	117	12370	5.847	ug/l #	14
43) Isopropyl Acetate	6.336	43	115831	24.305	ug/l	100
48) Methyl methacrylate	7.793	41	86600	37.452	ug/l #	49
49) 1,4-Dioxane	7.793	88	19	0.425	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	88978	29.215	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	36435	12.309	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	3665	1.264	ug/l #	42
59) 2-Hexanone	9.372	43	99958	40.948	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	71035	24.289	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	71035	53.876	ug/l #	5

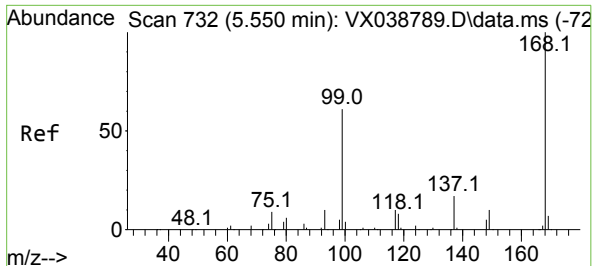
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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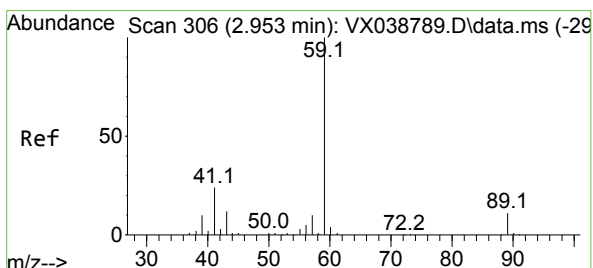
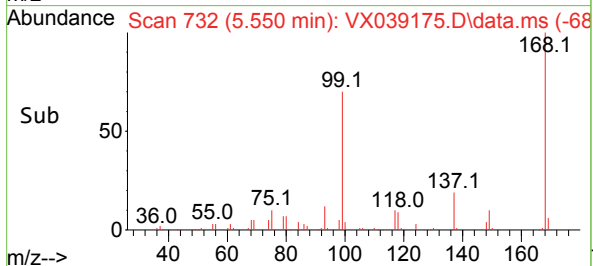
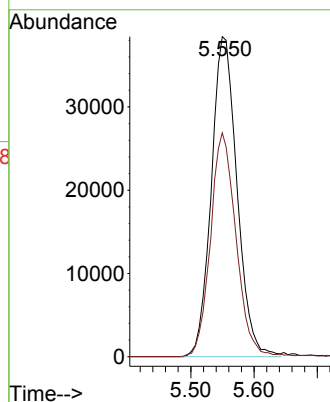
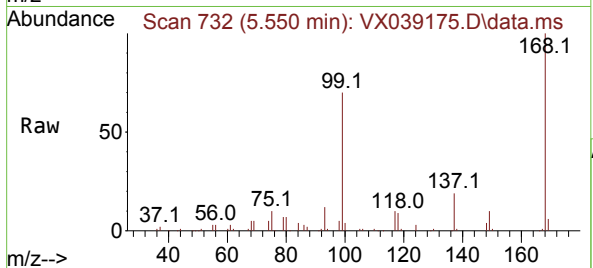




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

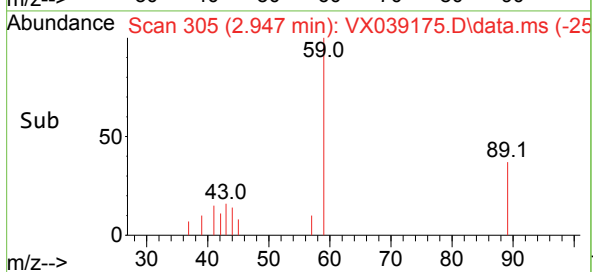
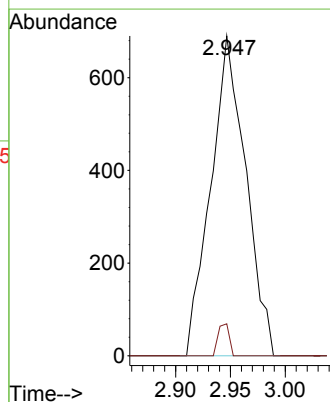
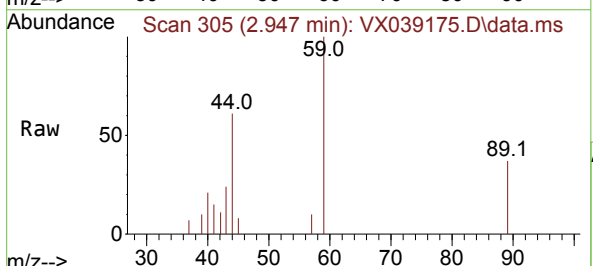
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20231206

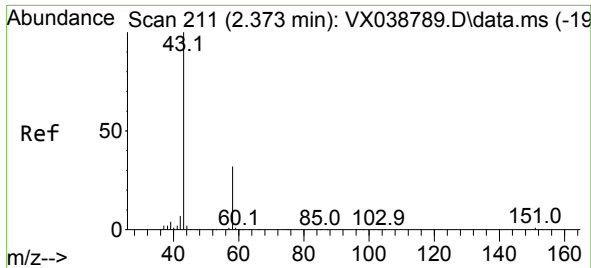
Tgt Ion:168 Resp: 108406
Ion Ratio Lower Upper
168 100
99 70.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 3.155 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

Tgt Ion: 59 Resp: 1533
Ion Ratio Lower Upper
59 100
57 3.2 6.0 9.0#

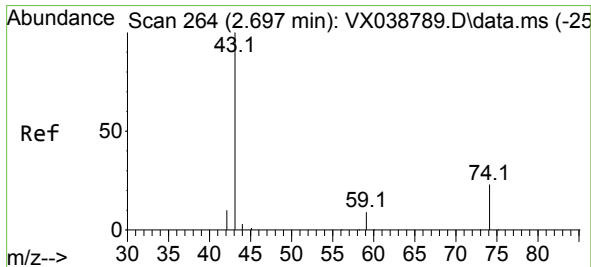
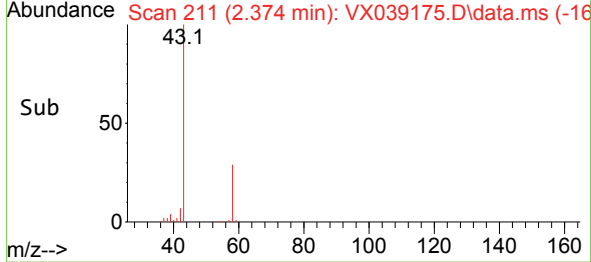
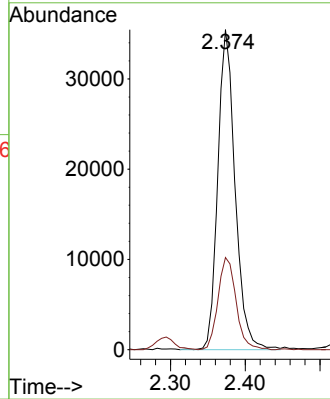
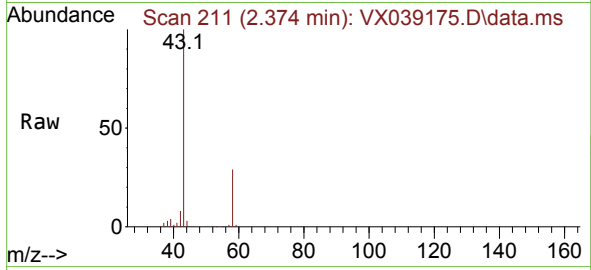




#16
Acetone
Concen: 61.499 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

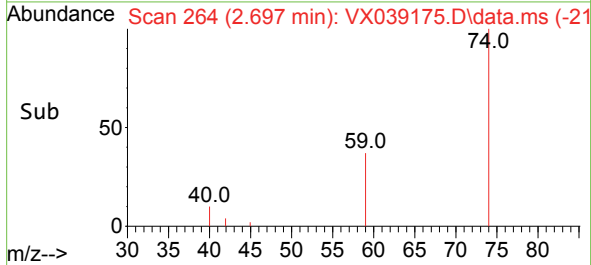
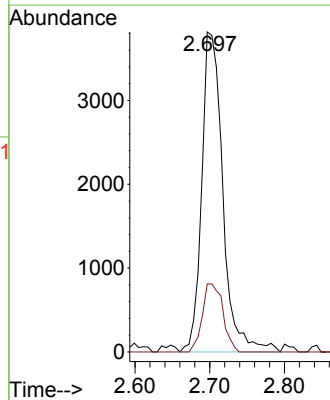
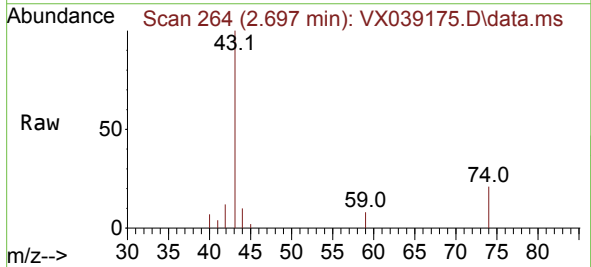
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20231206

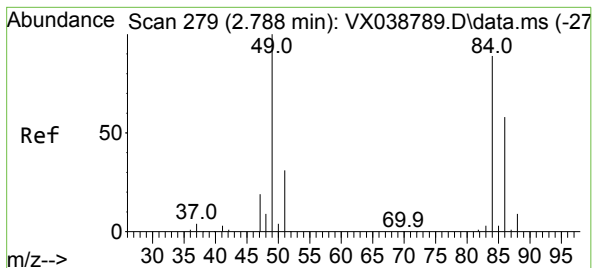
Tgt Ion: 43 Resp: 57187
Ion Ratio Lower Upper
43 100
58 28.6 21.9 32.9



#18
Methyl Acetate
Concen: 1.695 ug/l
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

Tgt Ion: 43 Resp: 7488
Ion Ratio Lower Upper
43 100
74 20.7 17.8 26.8





#20

Methylene Chloride

Concen: 4.270 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX039175.D

Acq: 12 Dec 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

WC-SOIL-20231206

Tgt Ion: 84 Resp: 7157

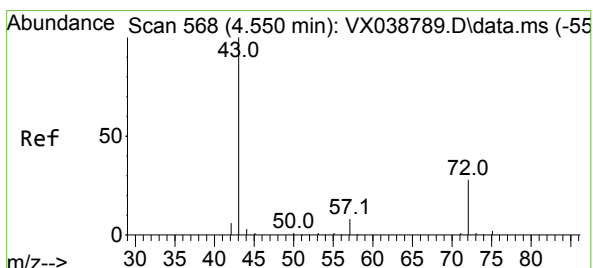
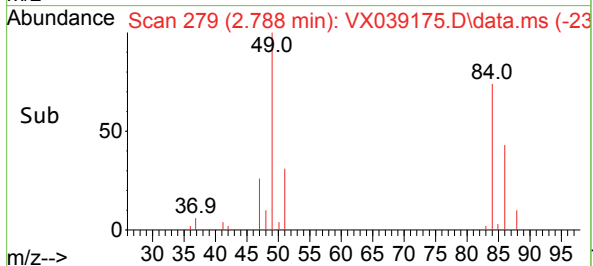
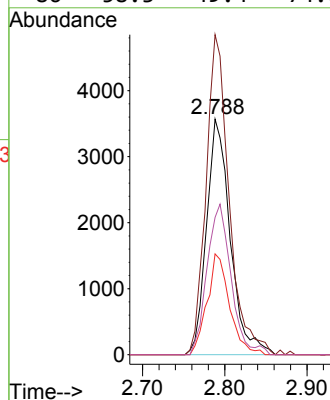
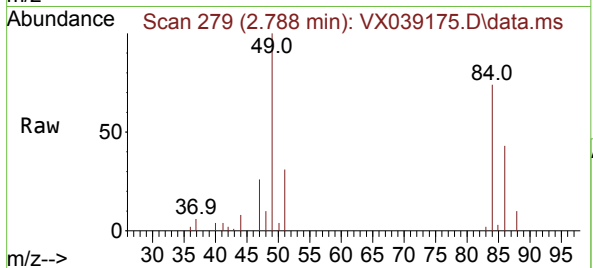
Ion Ratio Lower Upper

84 100

49 135.8 103.6 155.4

51 42.8 33.8 50.6

86 58.3 49.4 74.0



#25

2-Butanone

Concen: 4.548 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.012 min

Lab File: VX039175.D

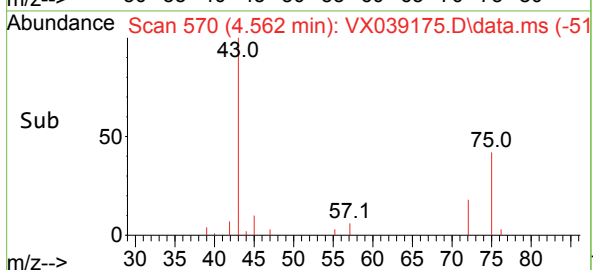
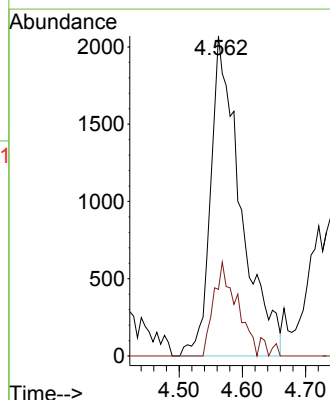
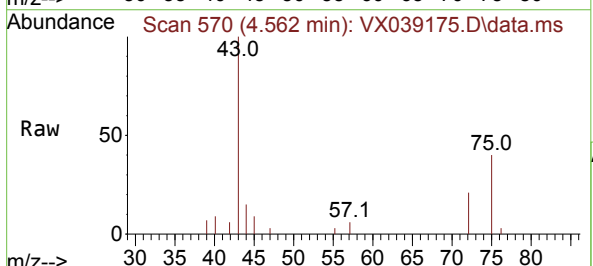
Acq: 12 Dec 2023 18:51

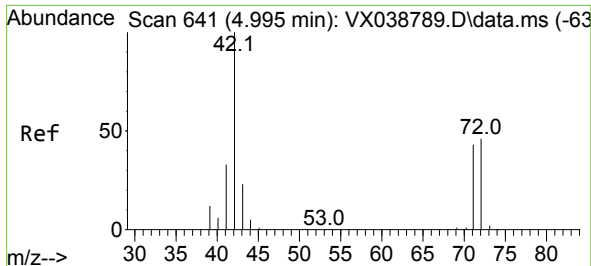
Tgt Ion: 43 Resp: 6858

Ion Ratio Lower Upper

43 100

72 20.8 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.248 ug/l

RT: 5.019 min Scan# 641

Delta R.T. 0.024 min

Lab File: VX039175.D

Acq: 12 Dec 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

WC-SOIL-20231206

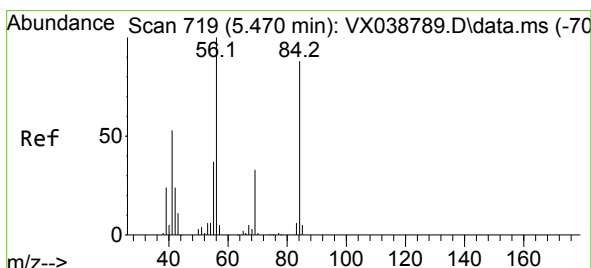
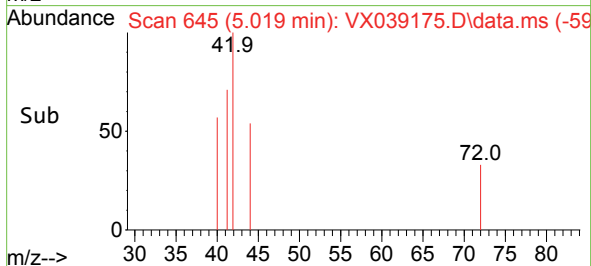
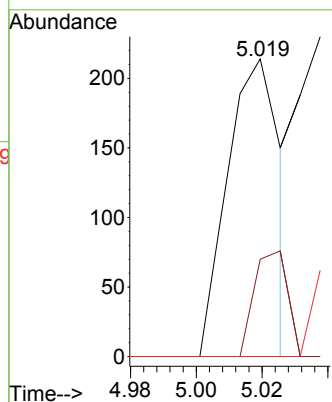
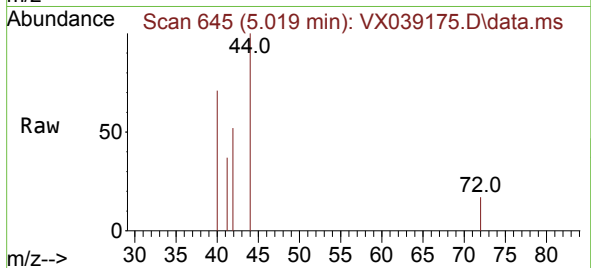
Tgt Ion: 42 Resp: 237

Ion Ratio Lower Upper

42 100

72 22.4 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX039175.D

Acq: 12 Dec 2023 18:51

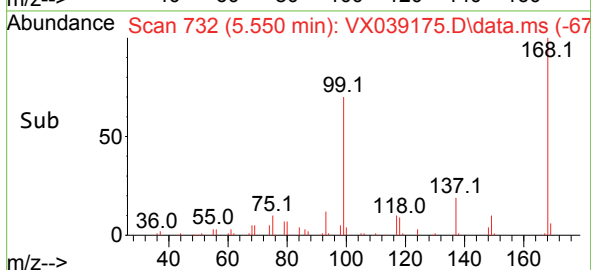
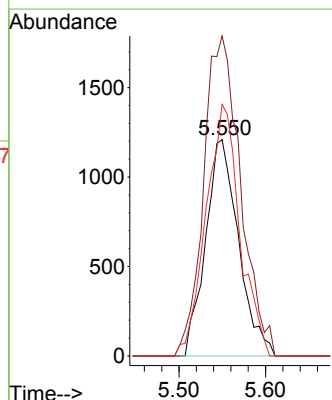
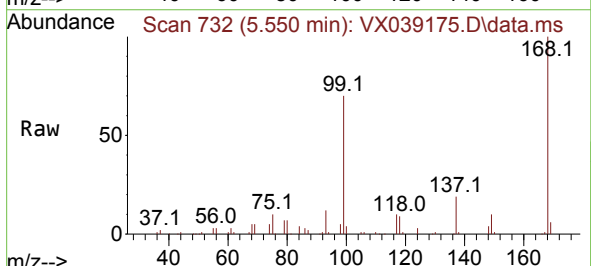
Tgt Ion: 56 Resp: 3186

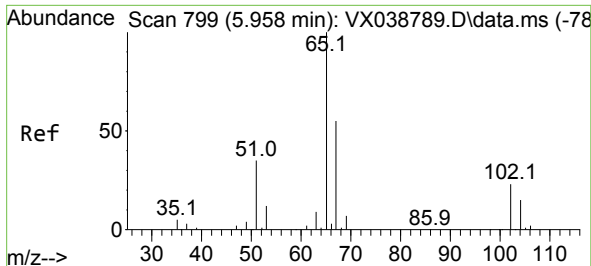
Ion Ratio Lower Upper

56 100

69 148.0 23.4 35.2#

84 116.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 54.559 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX039175.D

Acq: 12 Dec 2023 18:51

Instrument :

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ClientSampleId :

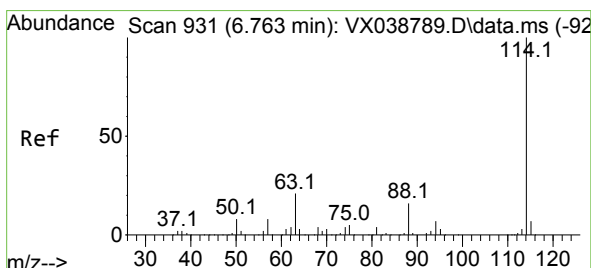
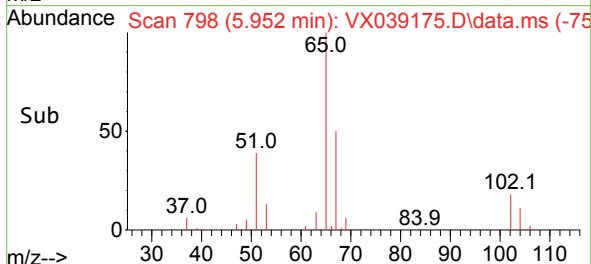
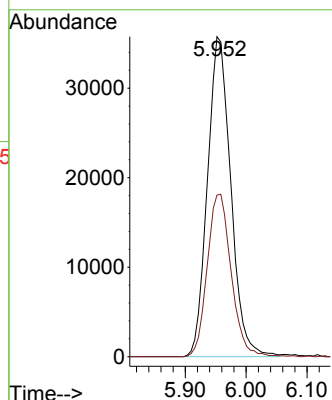
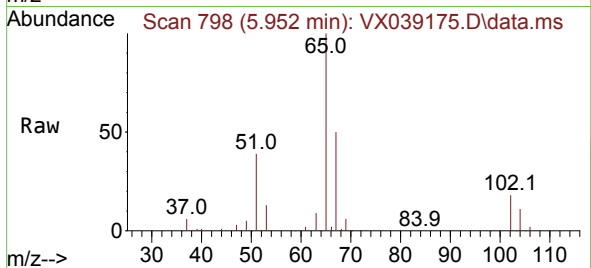
WC-SOIL-20231206

Tgt Ion: 65 Resp: 95304

Ion Ratio Lower Upper

65 100

67 51.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039175.D

Acq: 12 Dec 2023 18:51

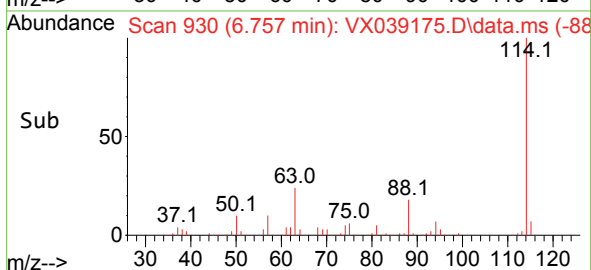
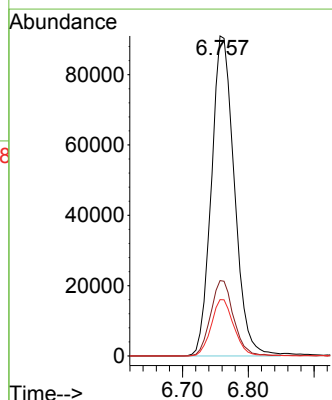
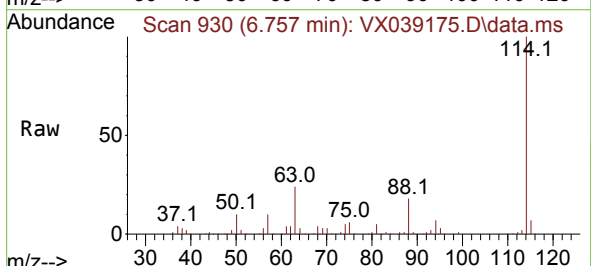
Tgt Ion: 114 Resp: 221123

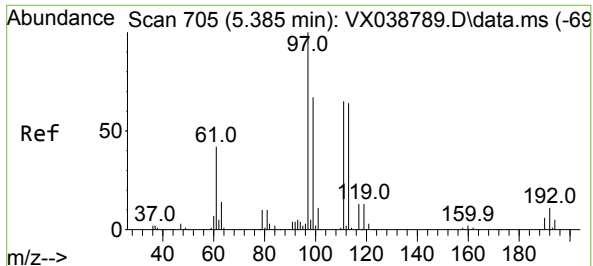
Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.0

88 17.6 0.0 36.6

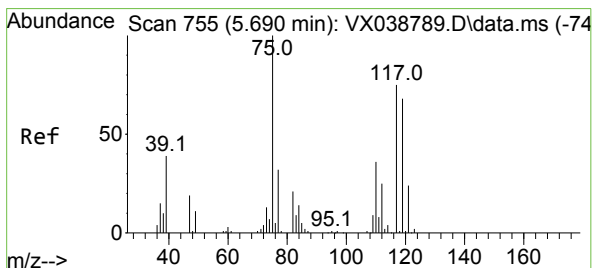
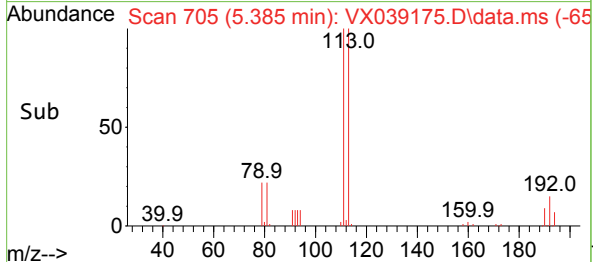
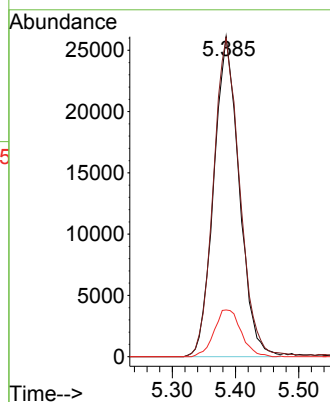
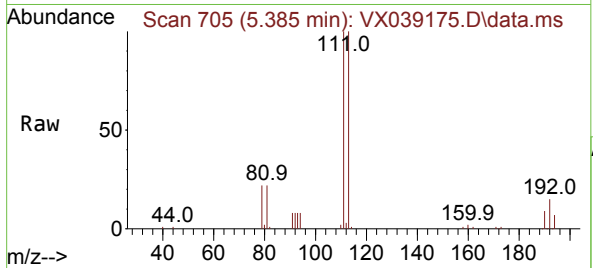




#35
Dibromofluoromethane
Concen: 45.611 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

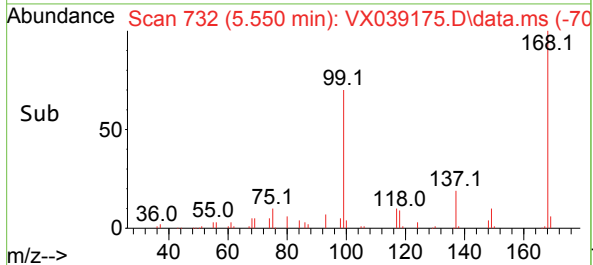
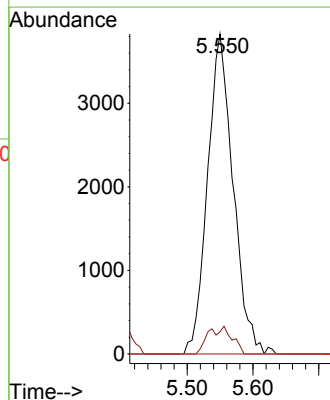
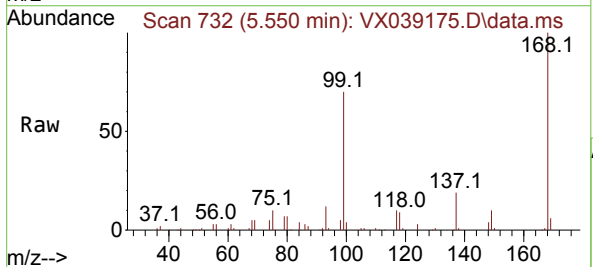
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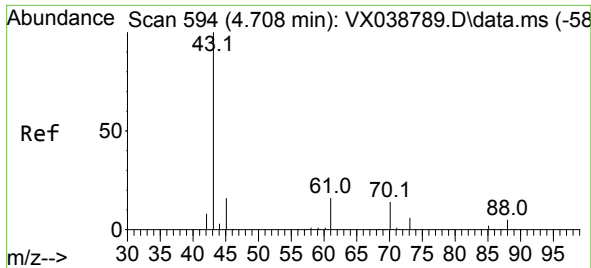
Tgt Ion:113 Resp: 72841
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 15.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.528 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

Tgt Ion: 75 Resp: 10363
Ion Ratio Lower Upper
75 100
110 3.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.343 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX039175.D

Acq: 12 Dec 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

WC-SOIL-20231206

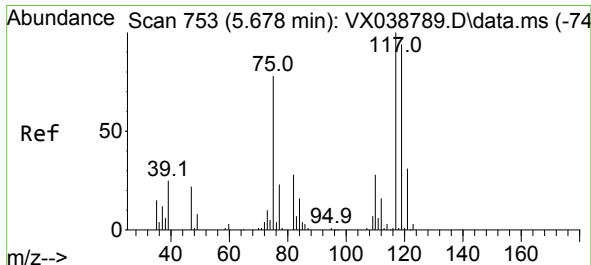
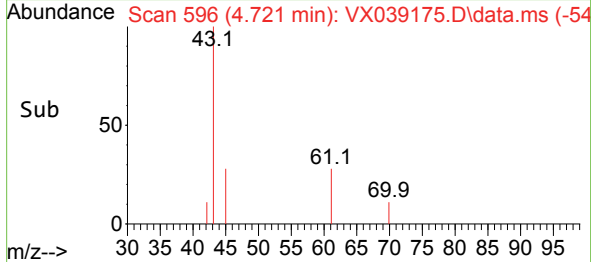
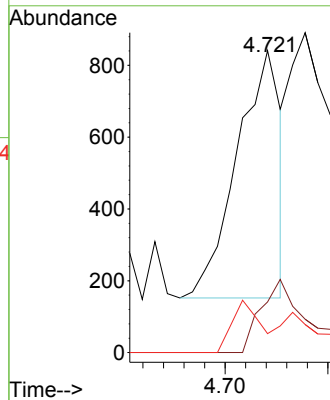
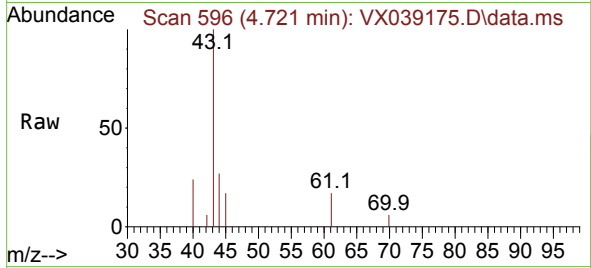
Tgt Ion: 43 Resp: 1023

Ion Ratio Lower Upper

43 100

61 34.8 10.6 16.0#

70 13.1 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.847 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX039175.D

Acq: 12 Dec 2023 18:51

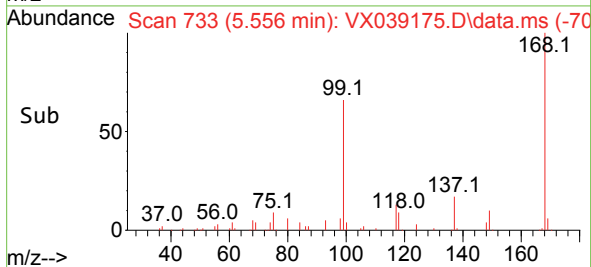
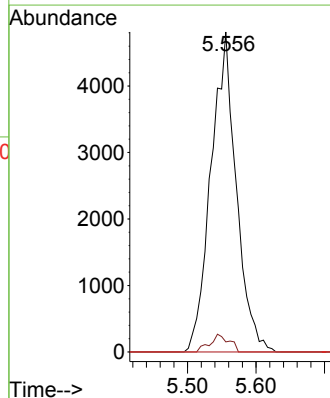
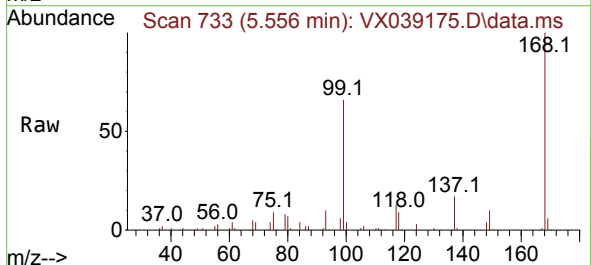
Tgt Ion: 117 Resp: 12370

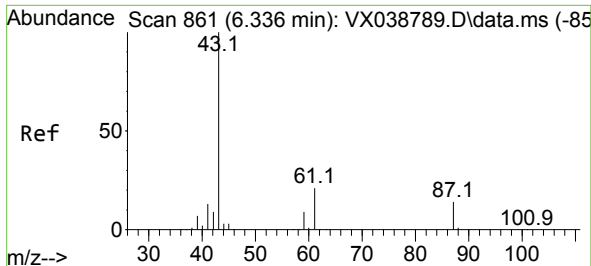
Ion Ratio Lower Upper

117 100

119 3.1 78.2 117.2#

121 0.0 24.4 36.6#

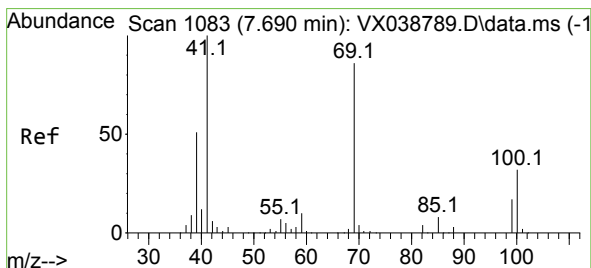
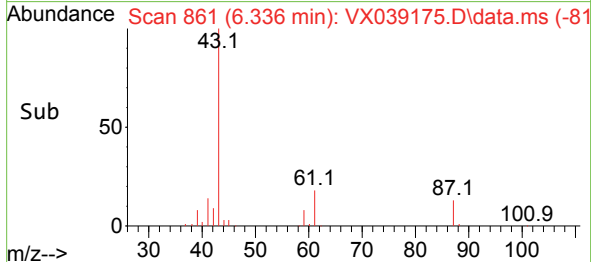
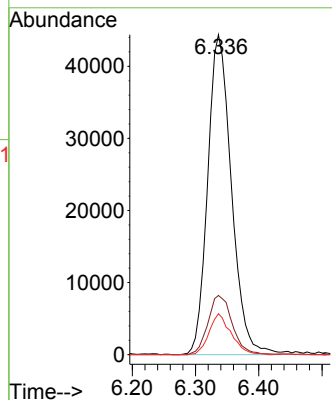
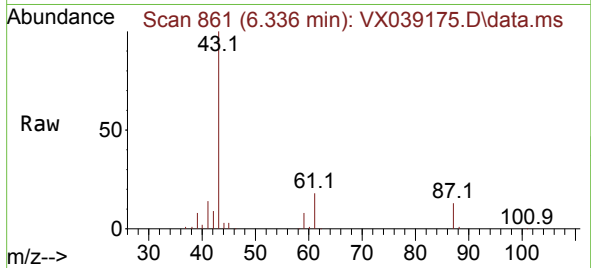




#43
Isopropyl Acetate
Concen: 24.305 ug/l
RT: 6.336 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

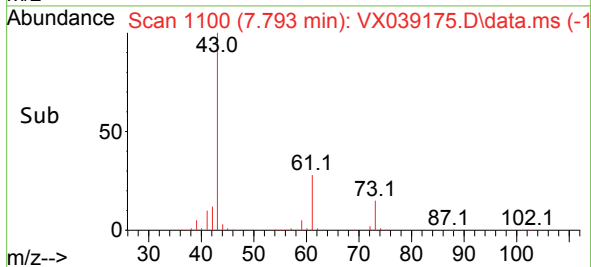
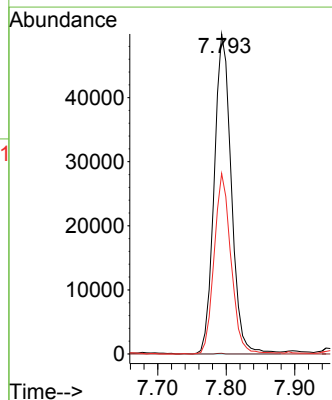
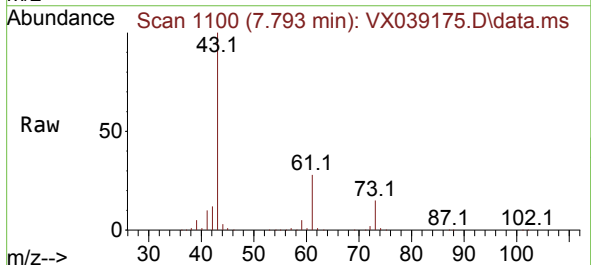
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20231206

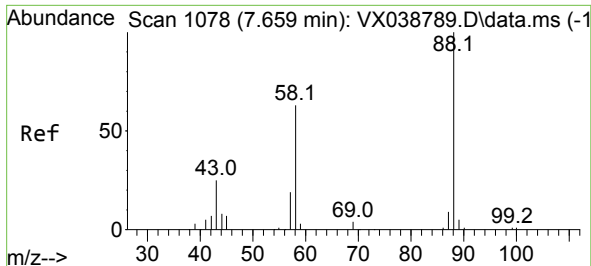
Tgt Ion: 43 Resp: 115831
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 11.9 9.8 14.6



#48
Methyl methacrylate
Concen: 37.452 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

Tgt Ion: 41 Resp: 86600
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 55.4 47.7 71.5

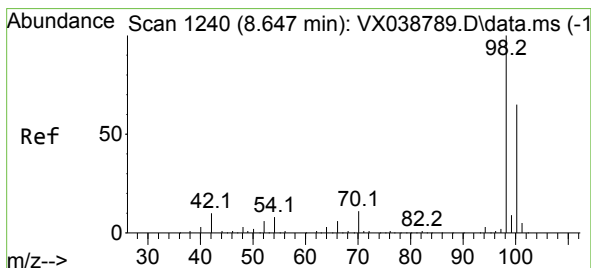
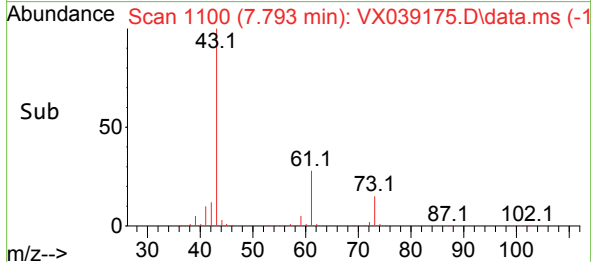
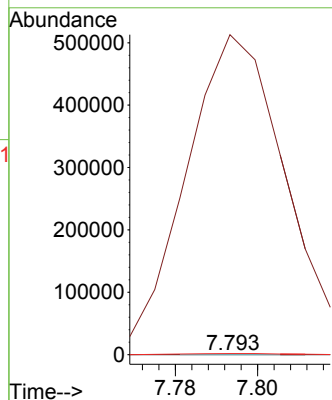
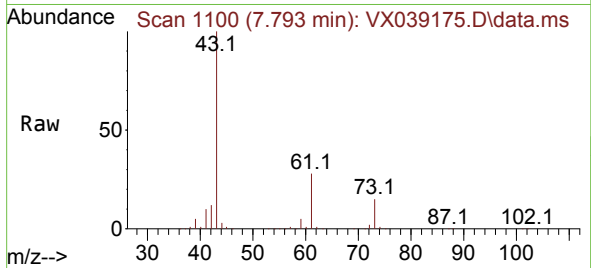




#49
1,4-Dioxane
Concen: 0.425 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

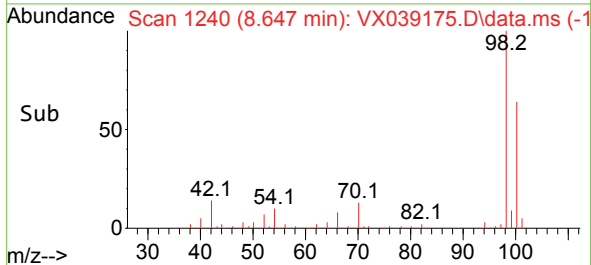
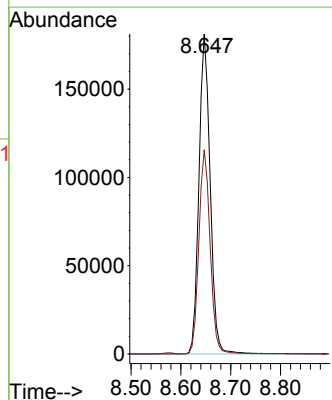
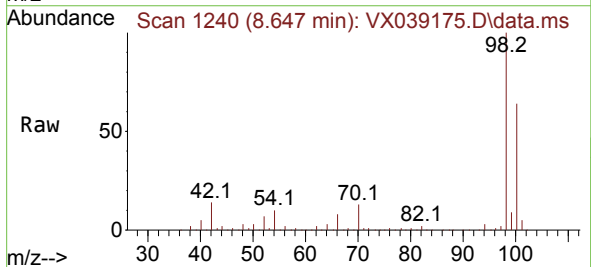
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20231206

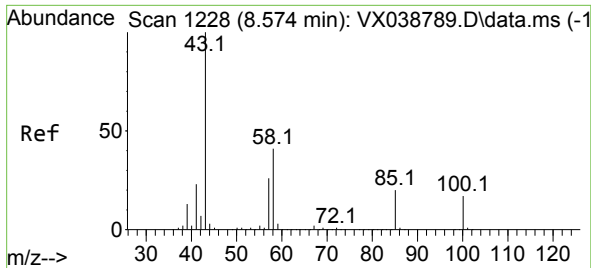
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 4707052.6 0.0 0.0#
58 18673.7 60.1 90.1#



#50
Toluene-d8
Concen: 46.210 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

Tgt Ion: 98 Resp: 282350
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7

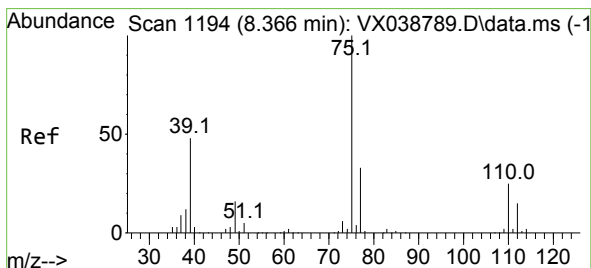
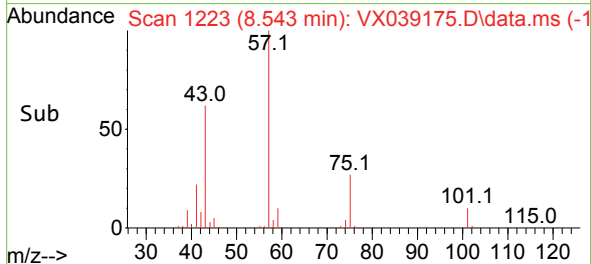
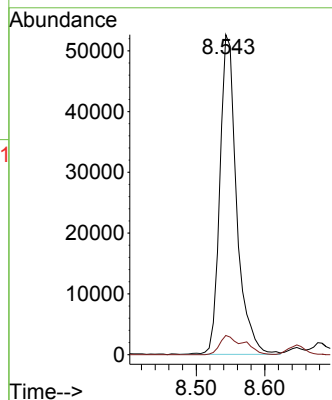
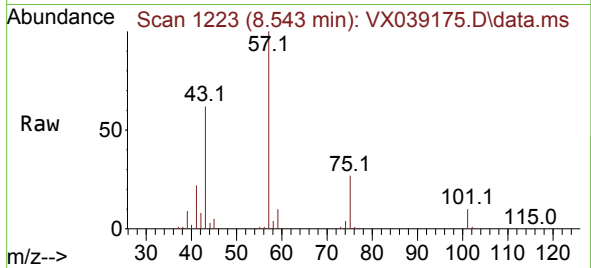




#51
4-Methyl-2-Pentanone
Concen: 29.215 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

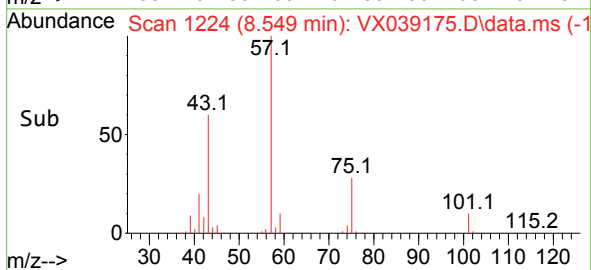
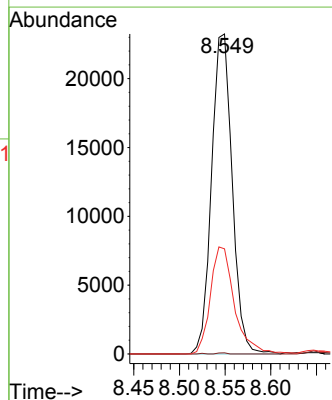
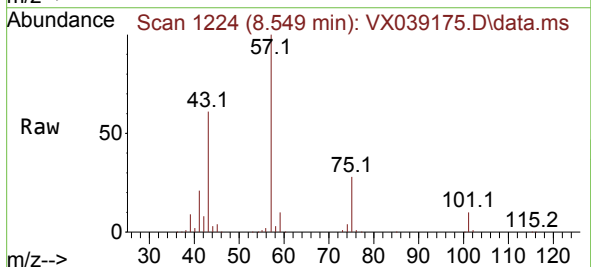
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20231206

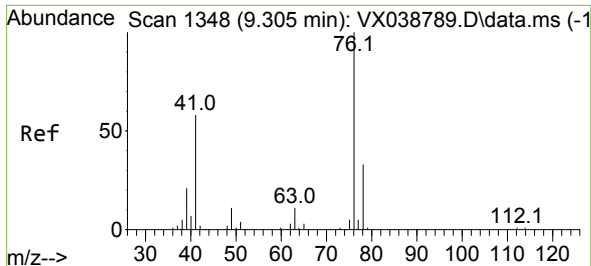
Tgt Ion: 43 Resp: 88978
Ion Ratio Lower Upper
43 100
58 8.7 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 12.309 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

Tgt Ion: 75 Resp: 36435
Ion Ratio Lower Upper
75 100
77 0.4 25.3 37.9#
39 32.9 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.264 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX039175.D

Acq: 12 Dec 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

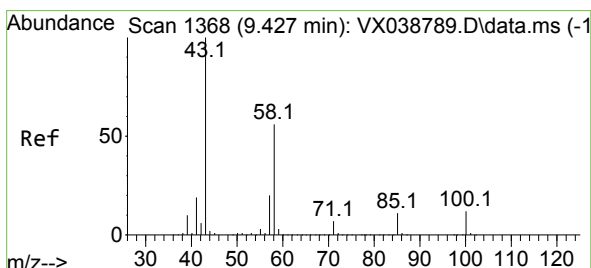
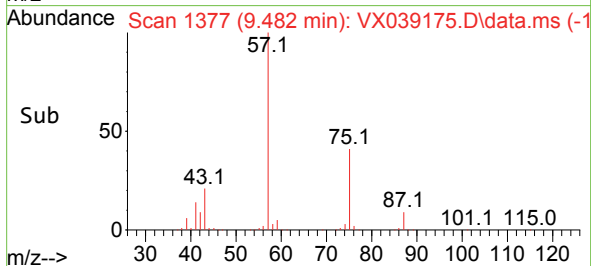
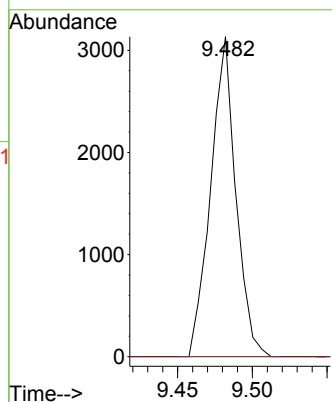
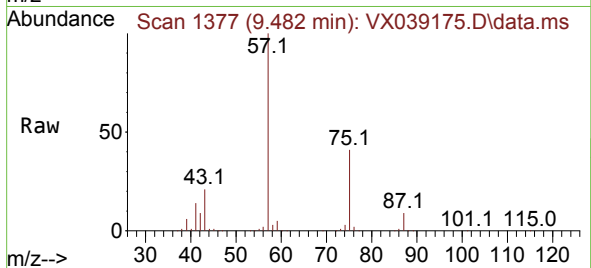
WC-SOIL-20231206

Tgt Ion: 76 Resp: 3665

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 40.948 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX039175.D

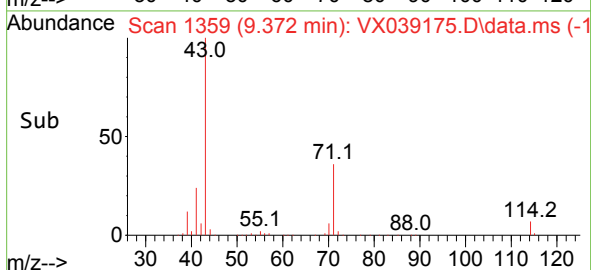
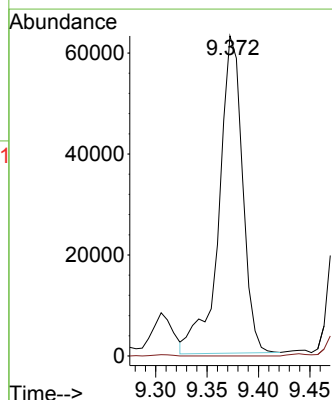
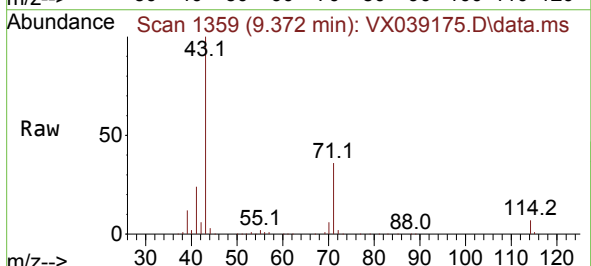
Acq: 12 Dec 2023 18:51

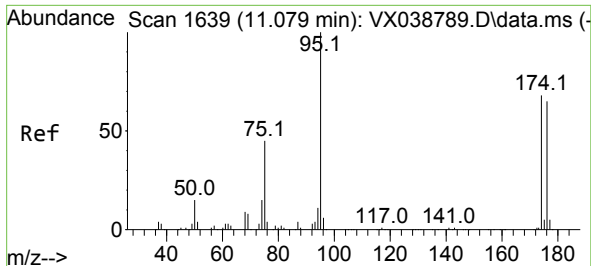
Tgt Ion: 43 Resp: 99958

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

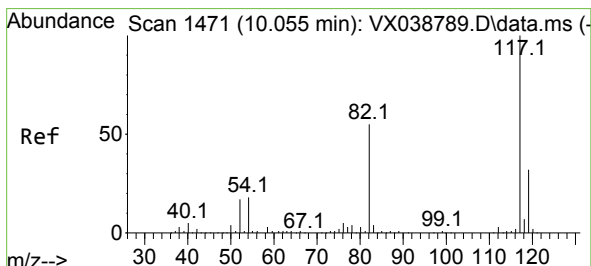
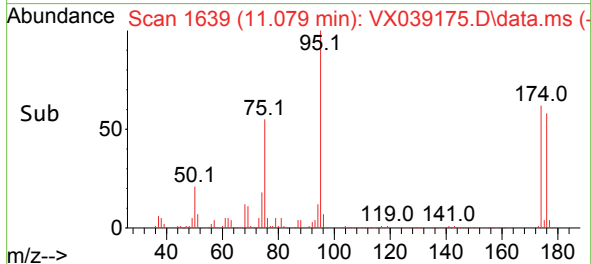
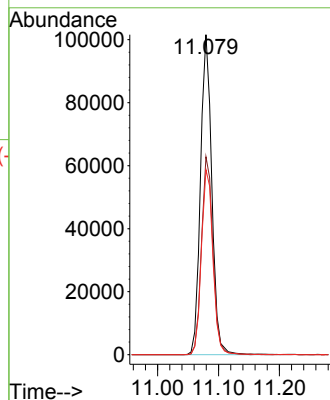
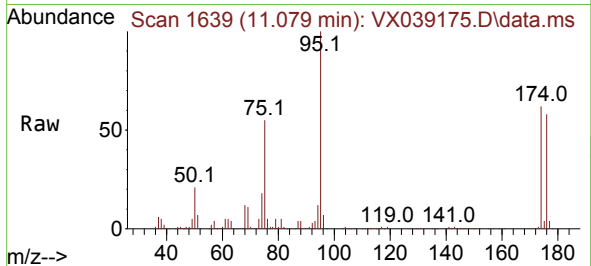




#62
4-Bromofluorobenzene
Concen: 53.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

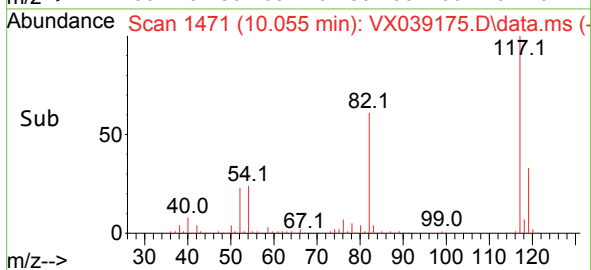
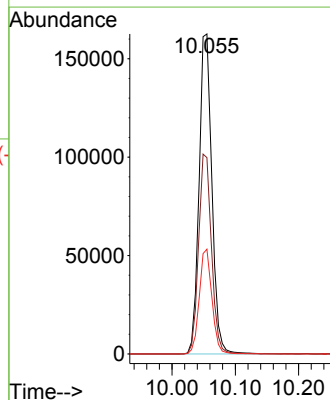
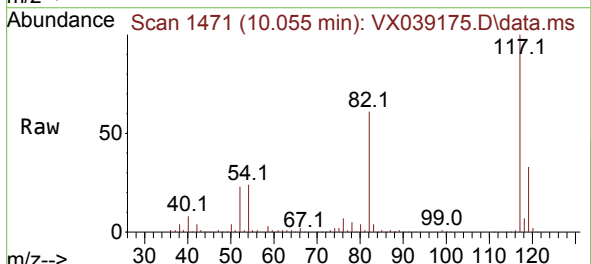
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20231206

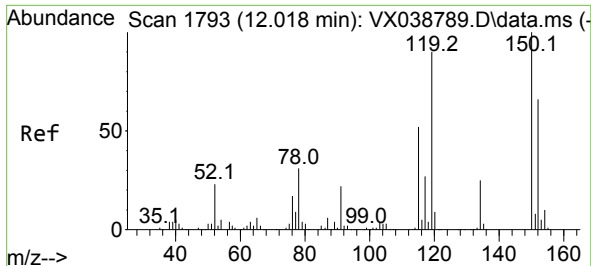
Tgt Ion: 95 Resp: 130579
Ion Ratio Lower Upper
95 100
174 62.8 0.0 135.6
176 59.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039175.D
Acq: 12 Dec 2023 18:51

Tgt Ion: 117 Resp: 229635
Ion Ratio Lower Upper
117 100
82 61.4 46.2 69.4
119 32.8 25.5 38.3

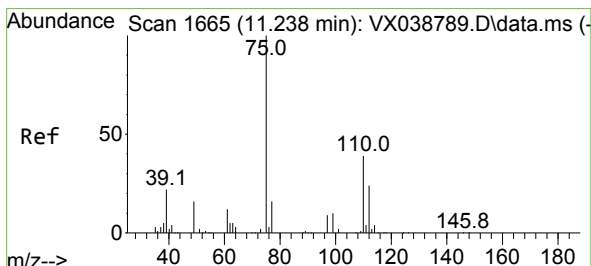
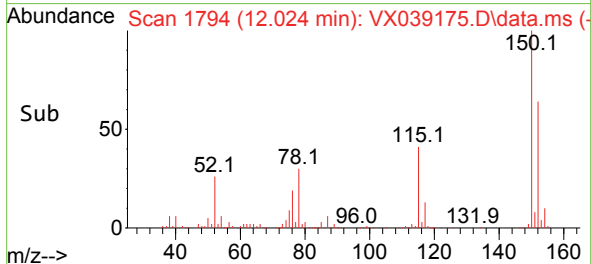
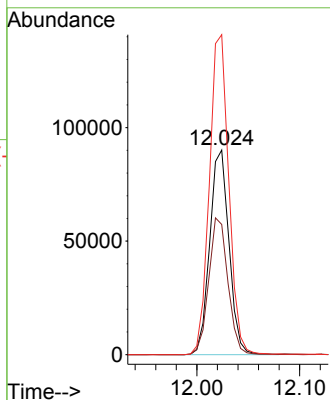
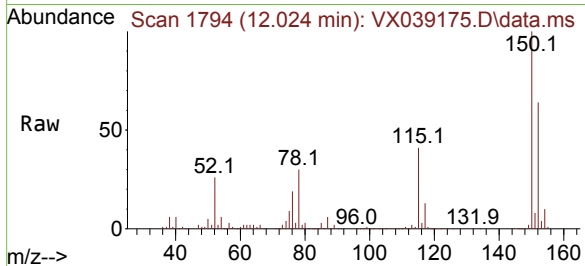




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX039175.D
 Acq: 12 Dec 2023 18:51

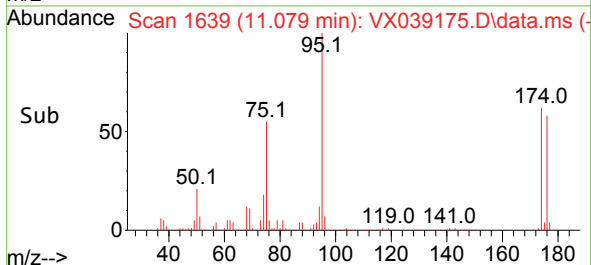
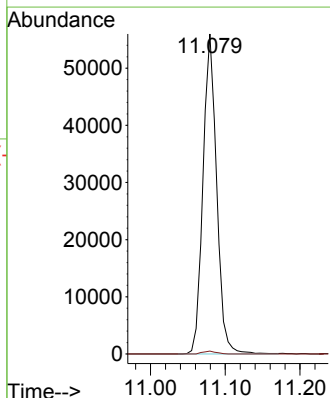
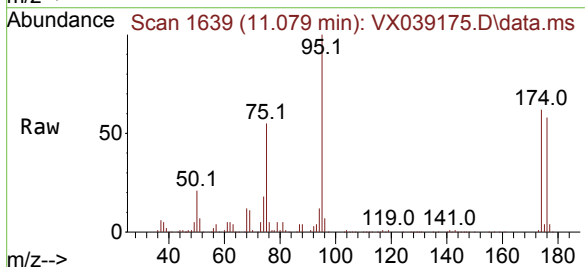
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-SOIL-20231206

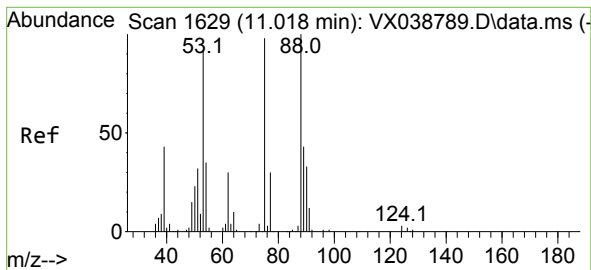
Tgt Ion:152 Resp: 117217
 Ion Ratio Lower Upper
 152 100
 115 66.8 43.3 129.9
 150 157.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.289 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX039175.D
 Acq: 12 Dec 2023 18:51

Tgt Ion: 75 Resp: 71035
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.876 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039175.D
 Acq: 12 Dec 2023 18:51

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-SOIL-20231206

Tgt Ion: 75 Resp: 71035
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

