

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032724\
 Data File : VX040812.D
 Acq On : 27 Mar 2024 14:47
 Operator : JC/MD
 Sample : P1869-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-3

Quant Time: Mar 28 03:55:38 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)

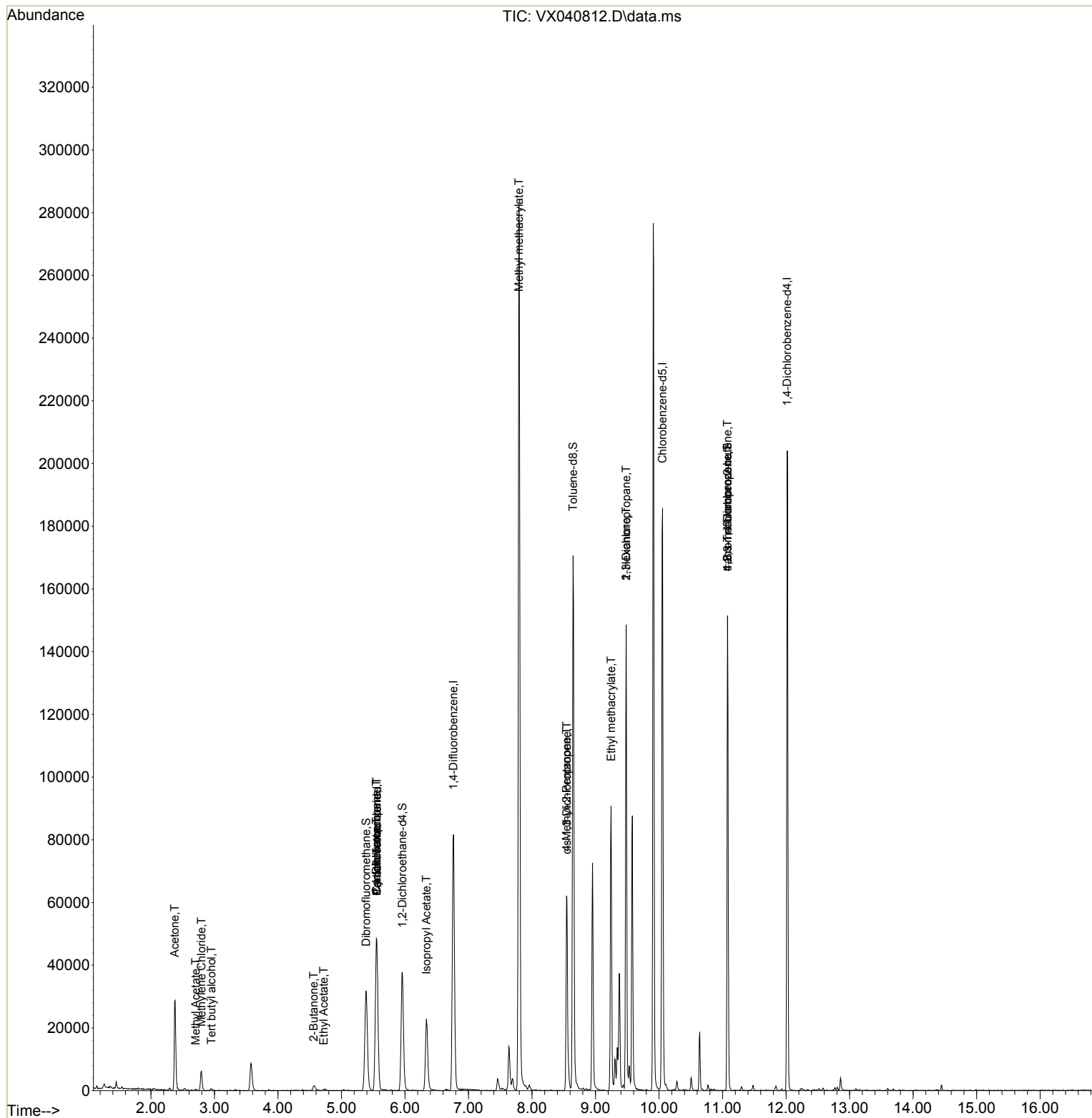
Internal Standards						
1) Pentafluorobenzene	5.556	168	42974	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	78309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	78433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	38688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37062	51.291	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.580%			
35) Dibromofluoromethane	5.385	113	26788	45.717	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.440%			
50) Toluene-d8	8.647	98	99761	49.723	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.440%			
62) 4-Bromofluorobenzene	11.079	95	36931	46.590	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.180%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	738	6.378	ug/l #	78
16) Acetone	2.374	43	31811	124.289	ug/l	98
18) Methyl Acetate	2.703	43	556	0.811	ug/l #	53
20) Methylene Chloride	2.794	84	2866	5.123	ug/l	93
25) 2-Butanone	4.562	43	3167	7.900	ug/l	99
31) Cyclohexane	5.550	56	1173	1.366	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	3966	4.597	ug/l #	50
37) Ethyl Acetate	4.721	43	481	0.491	ug/l #	83
38) Carbon Tetrachloride	5.556	117	4938	5.085	ug/l #	16
43) Isopropyl Acetate	6.336	43	32066	20.844	ug/l	97
48) Methyl methacrylate	7.793	41	27000	38.399	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	26316	27.583	ug/l #	47
54) cis-1,3-Dichloropropene	8.549	75	9028	9.329	ug/l #	64
56) Ethyl methacrylate	9.244	69	235	0.243	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1186	1.201	ug/l #	42
59) 2-Hexanone	9.482	43	17417	23.566	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	22176	26.651	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	22176	67.423	ug/l #	5

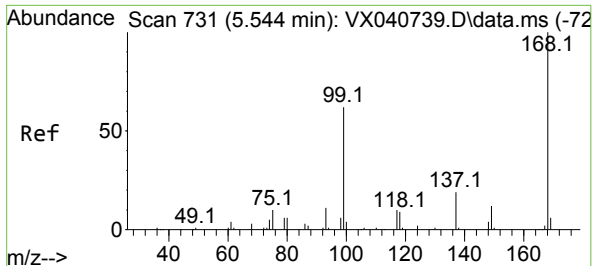
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:44:48 2024
Response via : Initial Calibration

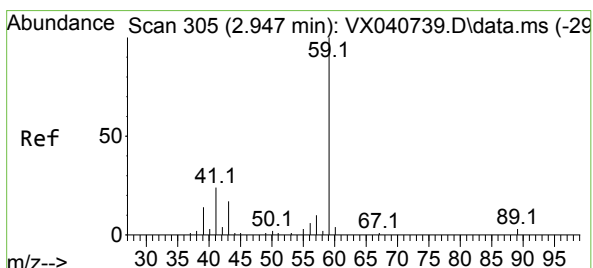
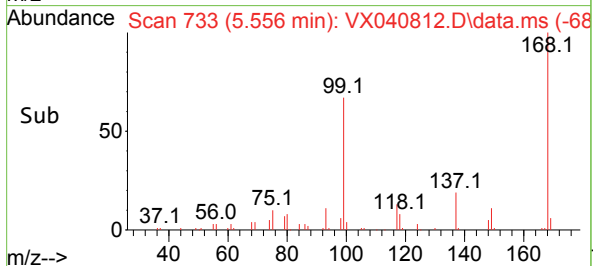
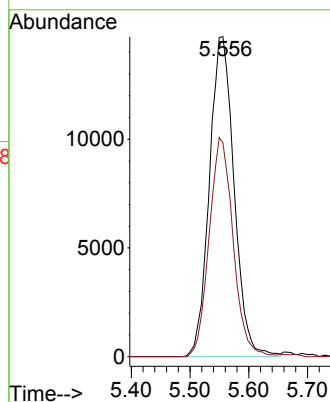
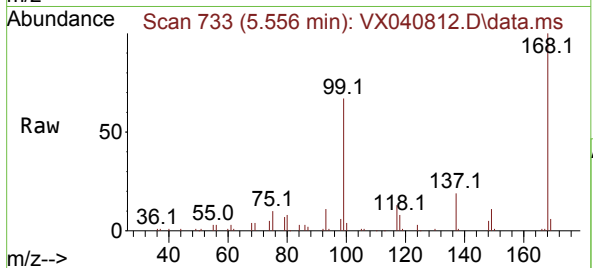




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

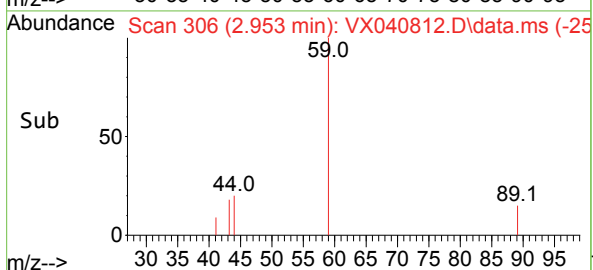
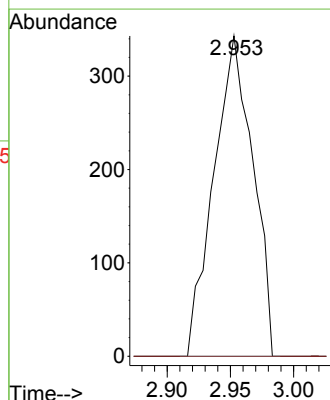
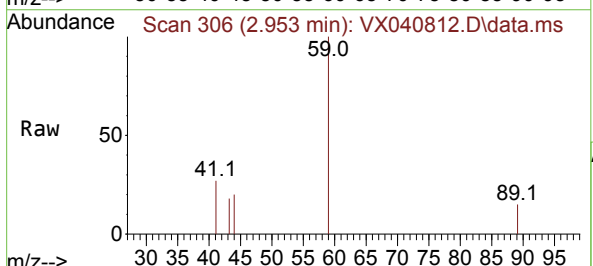
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

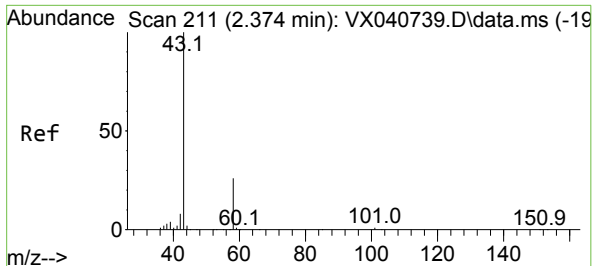
Tgt Ion:168 Resp: 42974
Ion Ratio Lower Upper
168 100
99 66.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 6.378 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.006 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

Tgt Ion: 59 Resp: 738
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

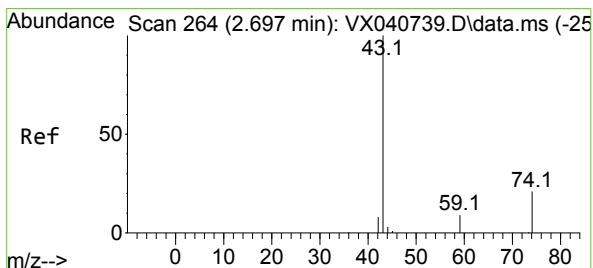
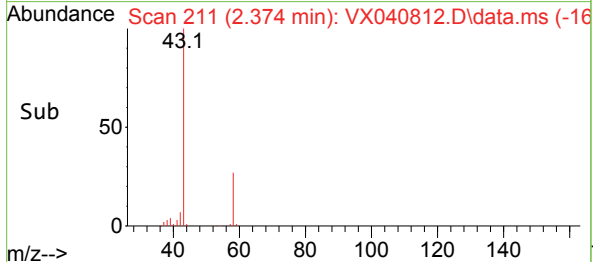
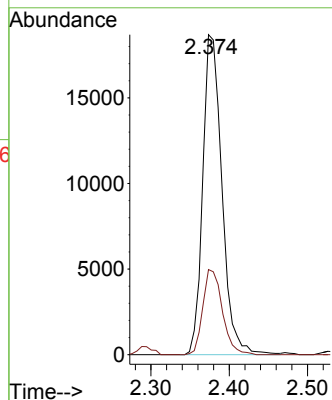
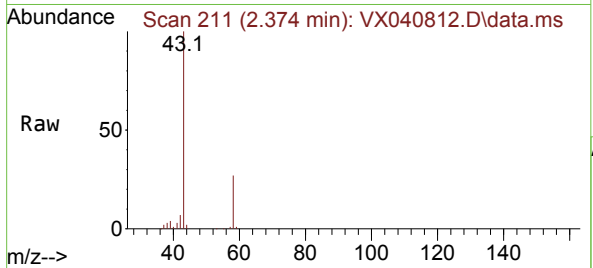




#16
Acetone
Concen: 124.289 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

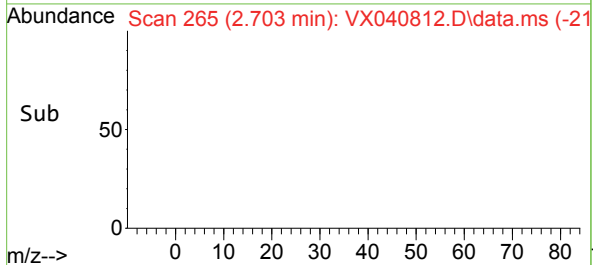
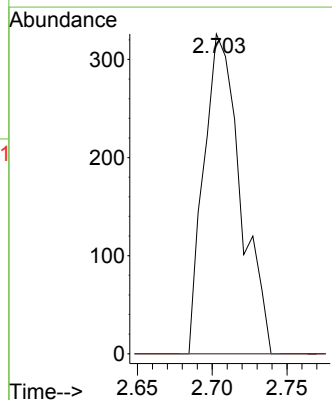
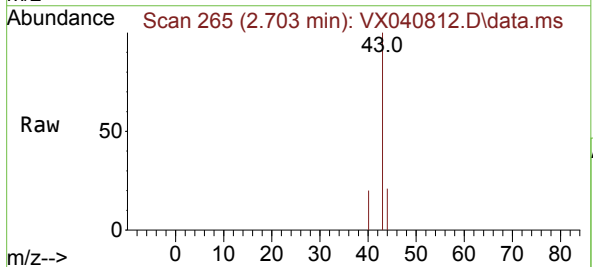
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

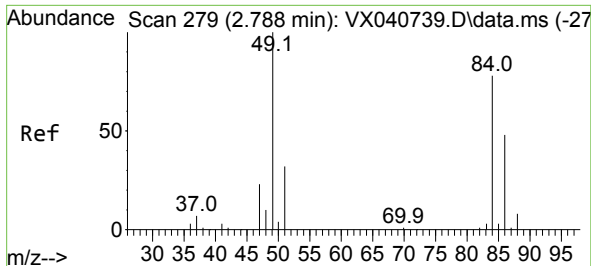
Tgt Ion: 43 Resp: 31811
Ion Ratio Lower Upper
43 100
58 26.6 21.9 32.9



#18
Methyl Acetate
Concen: 0.811 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

Tgt Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#

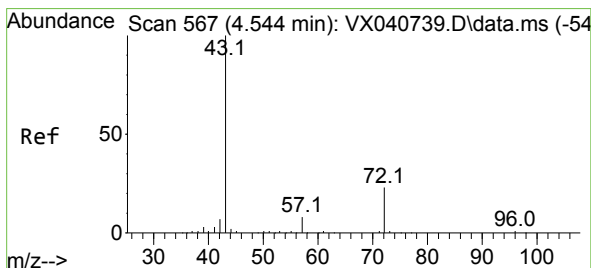
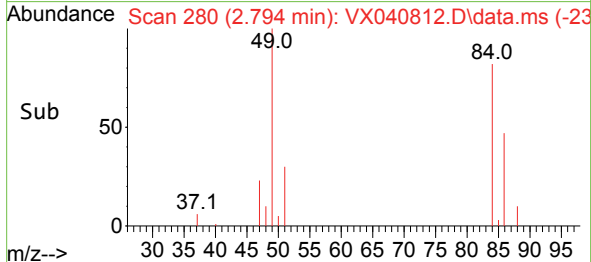
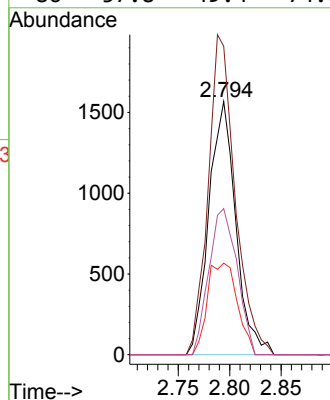
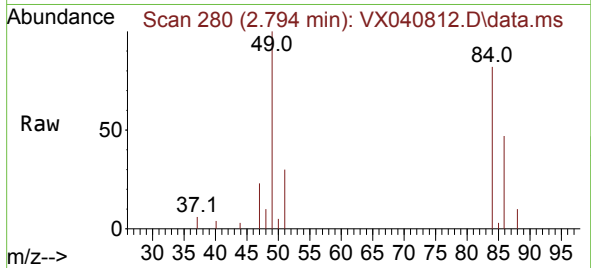




#20
Methylene Chloride
Concen: 5.123 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

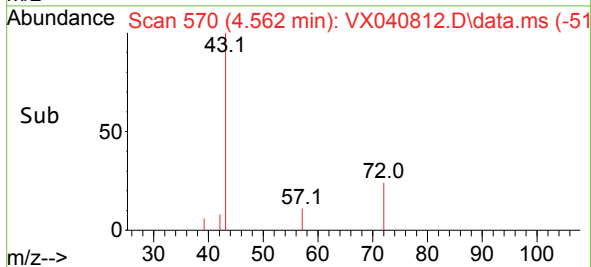
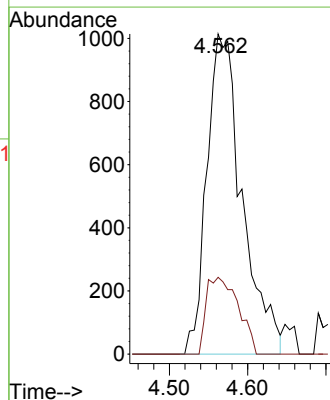
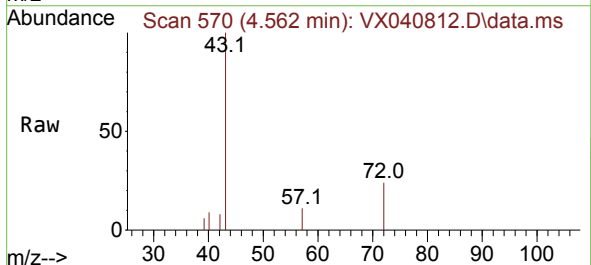
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

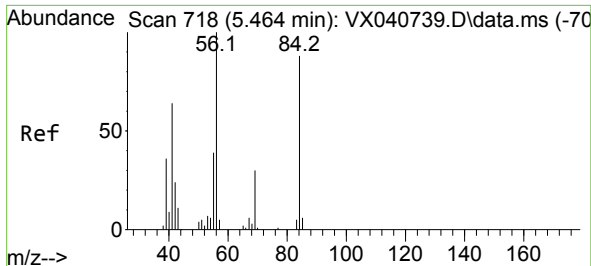
Tgt Ion: 84	Resp: 2866
Ion Ratio	Lower Upper
84	100
49	121.9 103.6 155.4
51	36.2 33.8 50.6
86	57.8 49.4 74.0



#25
2-Butanone
Concen: 7.900 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.018 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

Tgt Ion: 43	Resp: 3167
Ion Ratio	Lower Upper
43	100
72	24.0 19.4 29.2

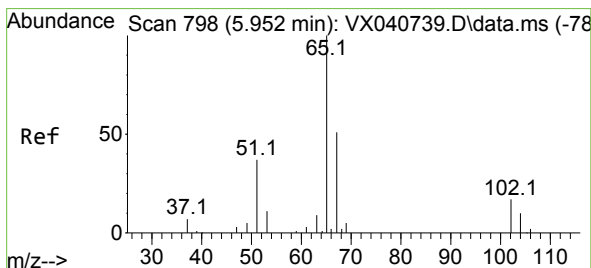
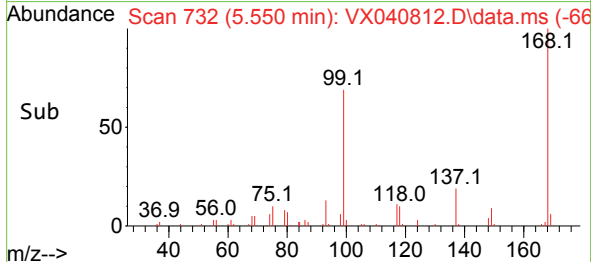
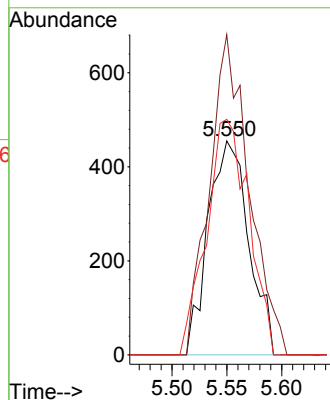
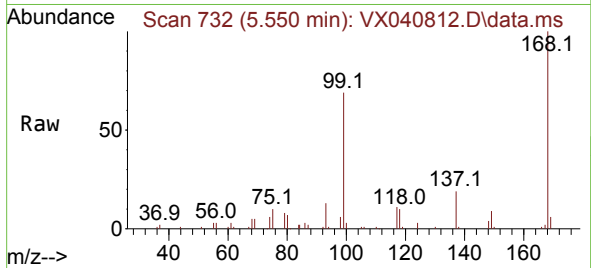




#31
Cyclohexane
Concen: 1.366 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

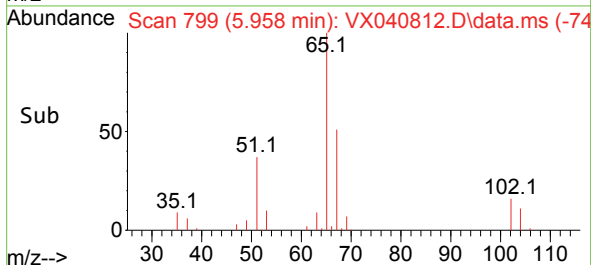
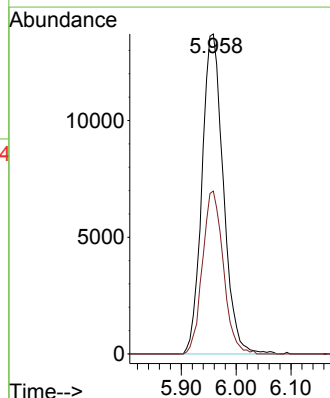
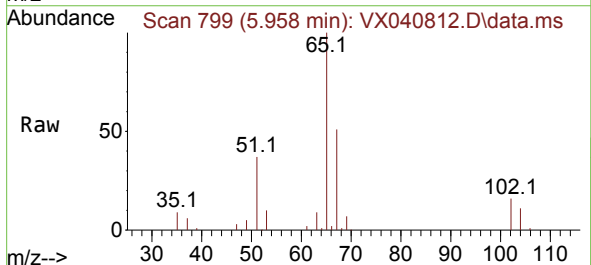
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

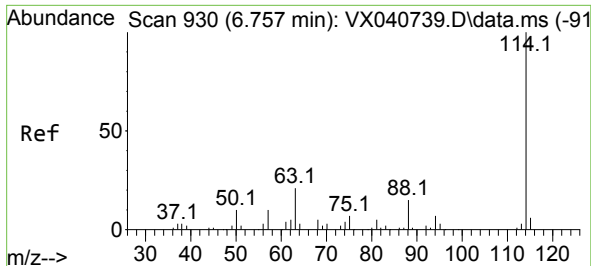
Tgt Ion: 56 Resp: 1173
Ion Ratio Lower Upper
56 100
69 149.7 23.4 35.2#
84 110.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 51.291 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

Tgt Ion: 65 Resp: 37062
Ion Ratio Lower Upper
65 100
67 49.8 0.0 100.2

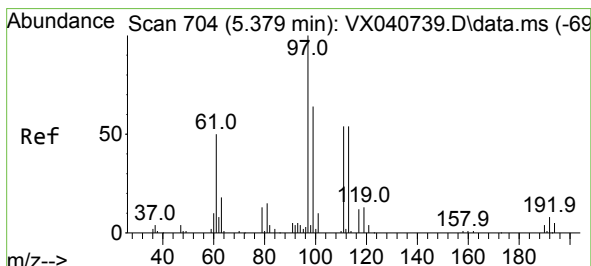
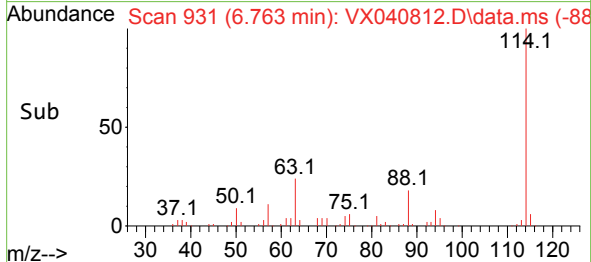
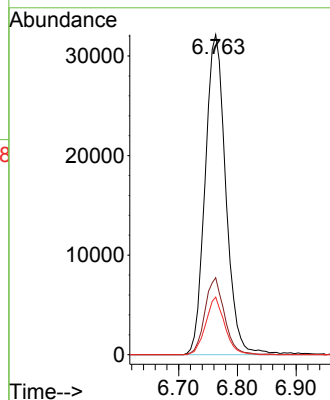
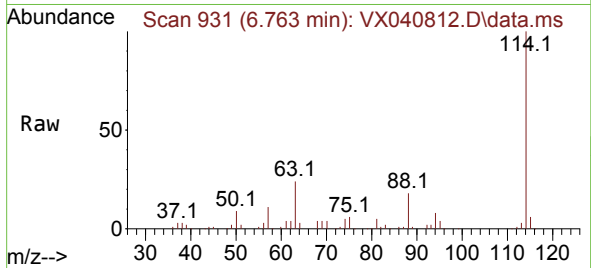




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

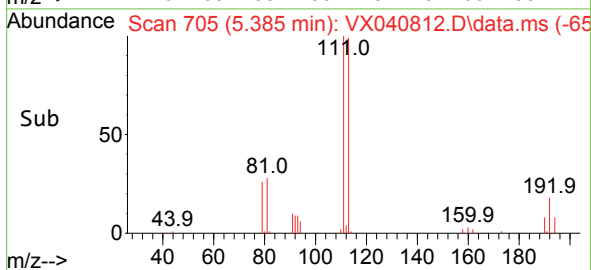
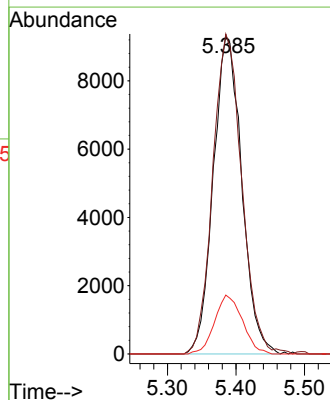
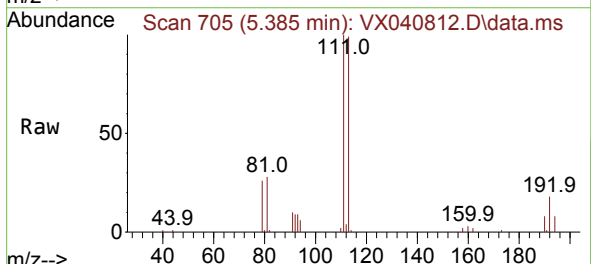
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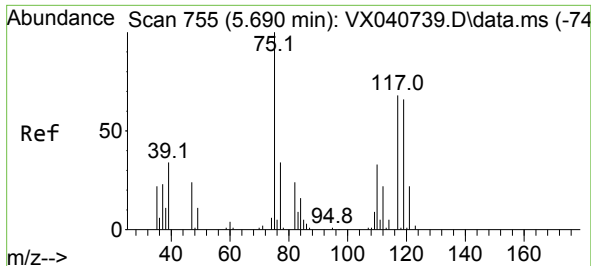
Tgt Ion:114 Resp: 78309
Ion Ratio Lower Upper
114 100
63 24.0 0.0 45.0
88 18.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.717 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

Tgt Ion:113 Resp: 26788
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.1 13.3 19.9

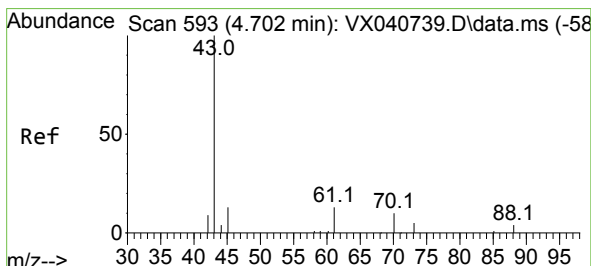
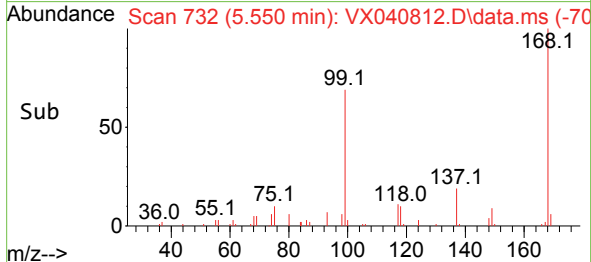
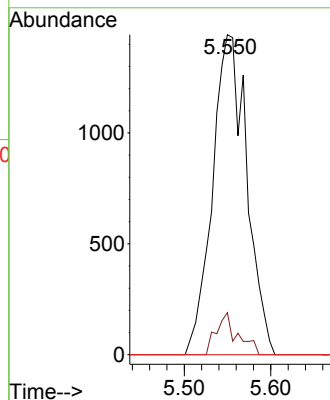
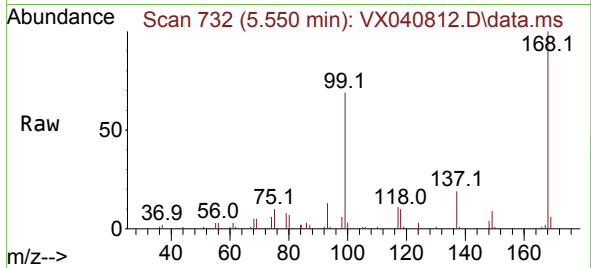




#36
1,1-Dichloropropene
Concen: 4.597 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

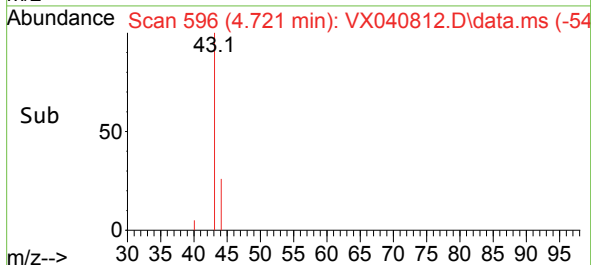
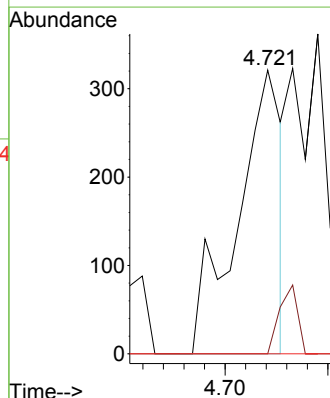
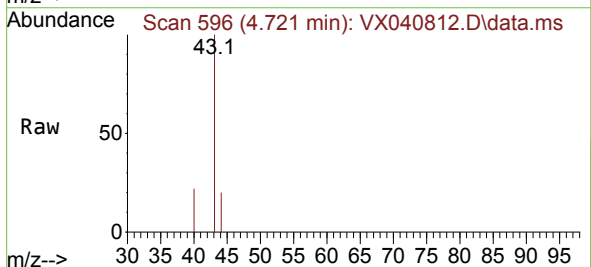
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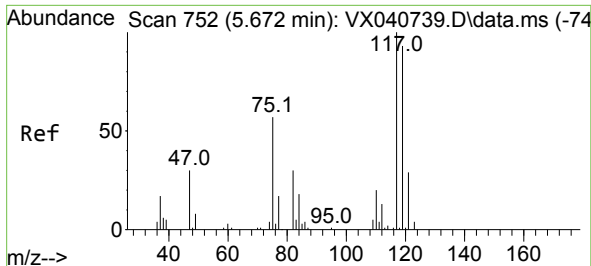
Tgt Ion: 75 Resp: 3966
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.491 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.018 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

Tgt Ion: 43 Resp: 481
Ion Ratio Lower Upper
43 100
61 10.0 10.6 16.0#
70 0.0 8.3 12.5#

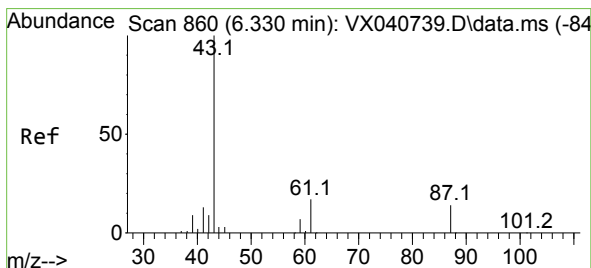
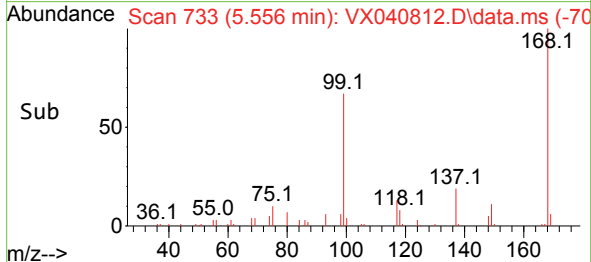
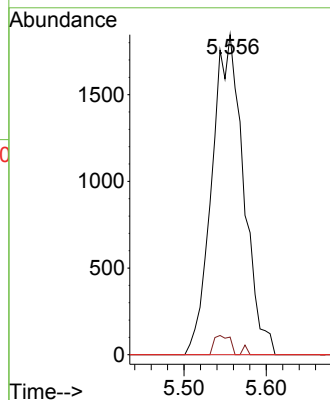
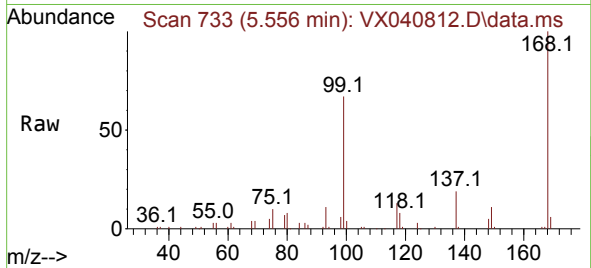




#38
Carbon Tetrachloride
Concen: 5.085 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

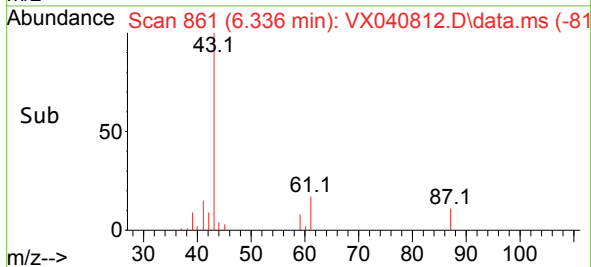
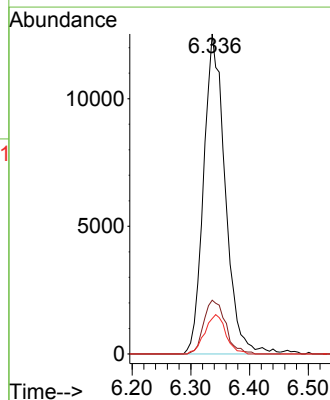
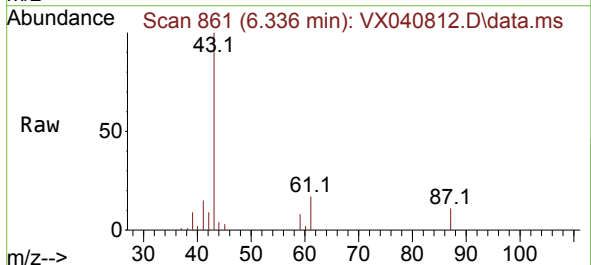
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

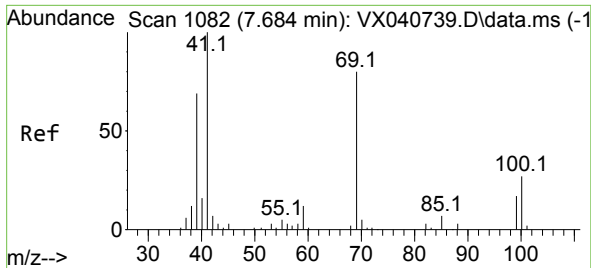
Tgt Ion:117 Resp: 4938
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 20.844 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

Tgt Ion: 43 Resp: 32066
Ion Ratio Lower Upper
43 100
61 17.0 15.2 22.8
87 11.9 9.8 14.6

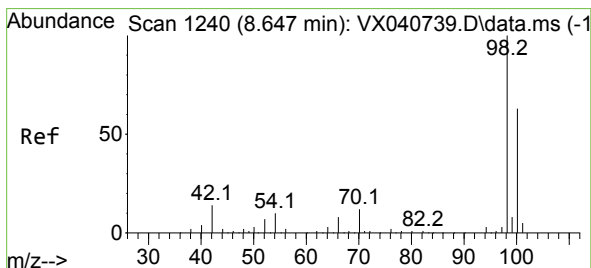
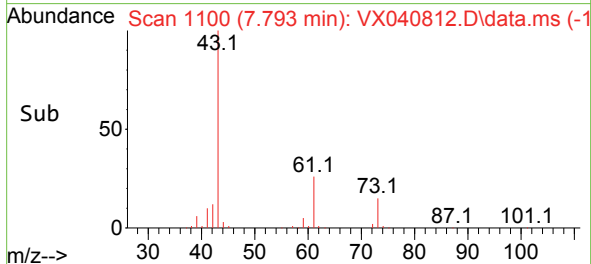
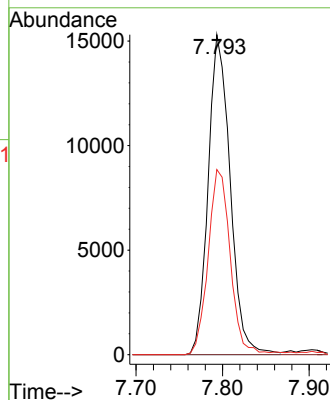
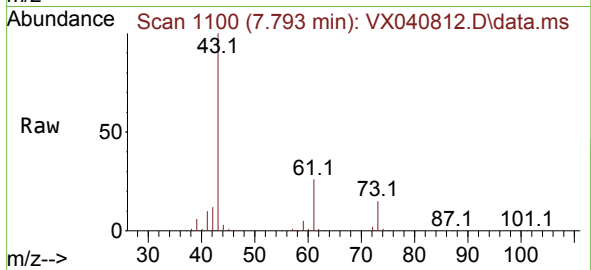




#48
Methyl methacrylate
Concen: 38.399 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

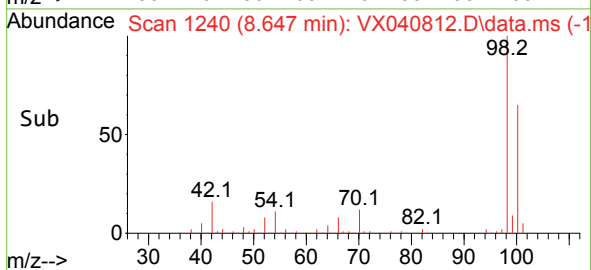
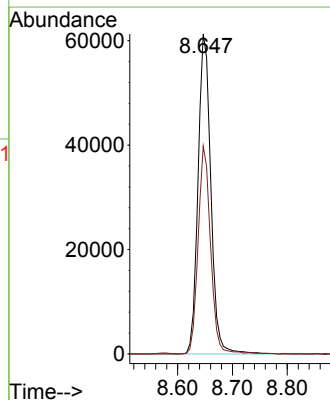
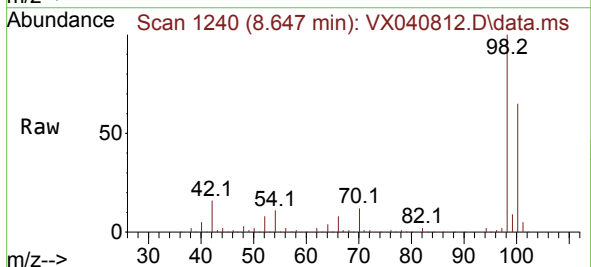
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

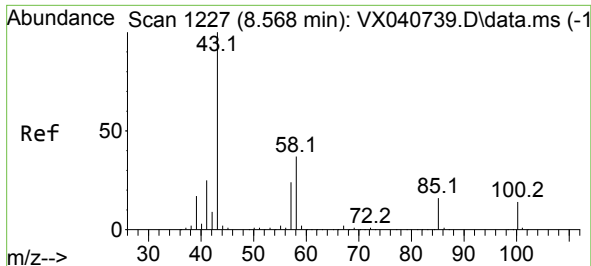
Tgt Ion: 41 Resp: 27000
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 58.5 47.7 71.5



#50
Toluene-d8
Concen: 49.723 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

Tgt Ion: 98 Resp: 99761
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7

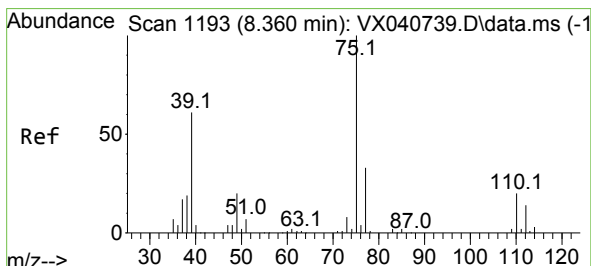
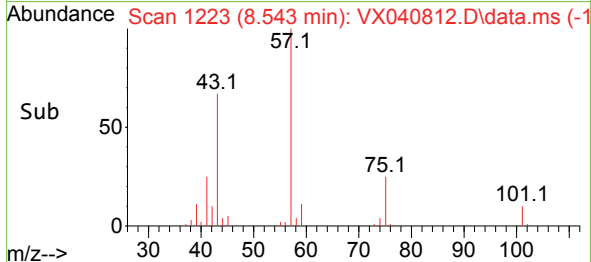
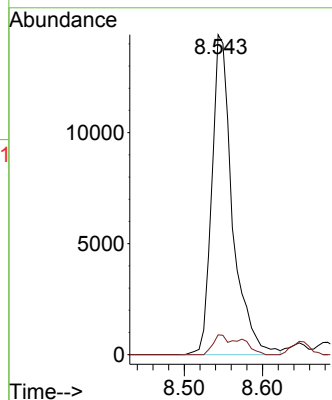
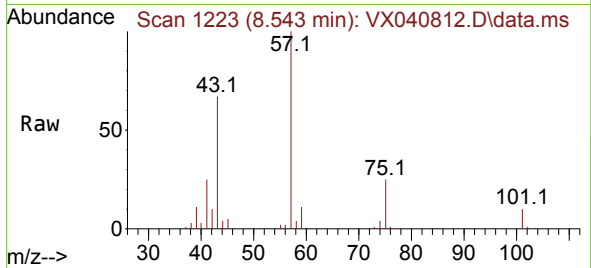




#51
4-Methyl-2-Pentanone
Concen: 27.583 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

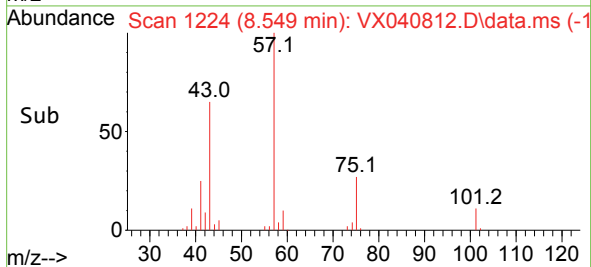
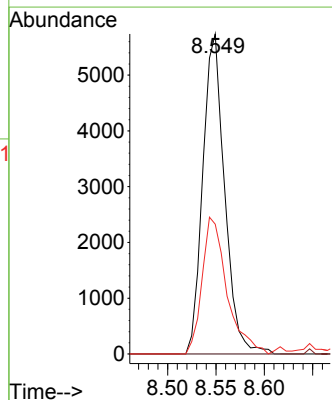
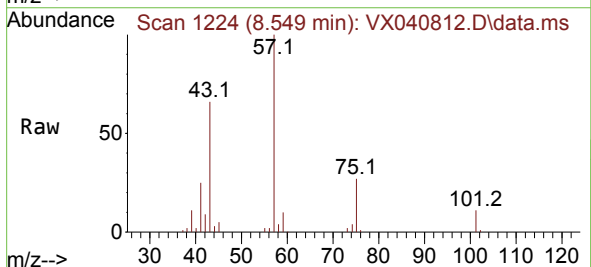
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

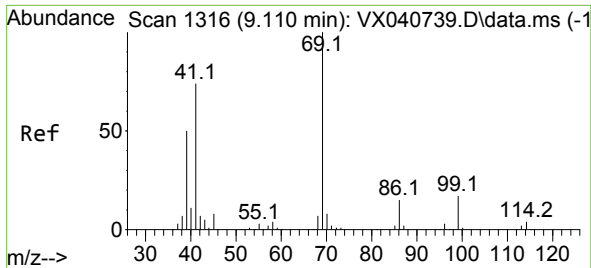
Tgt Ion: 43 Resp: 26316
Ion Ratio Lower Upper
43 100
58 5.9 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 9.329 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

Tgt Ion: 75 Resp: 9028
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 40.5 46.7 70.1#

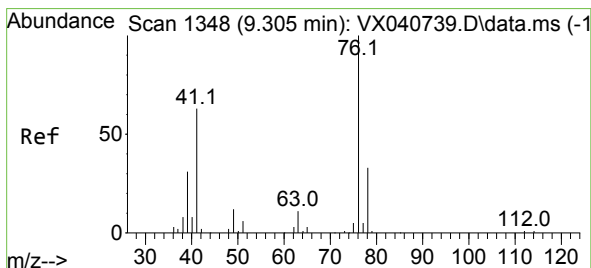
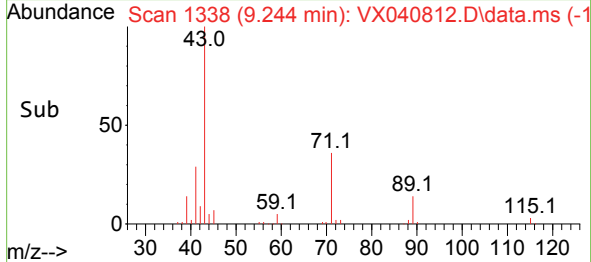
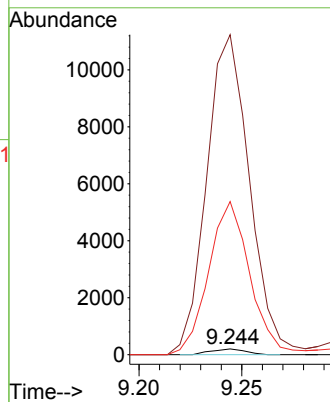
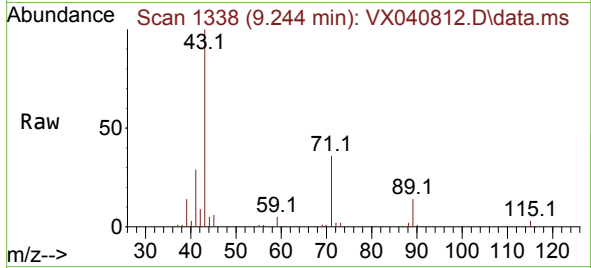




#56
Ethyl methacrylate
Concen: 0.243 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.134 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

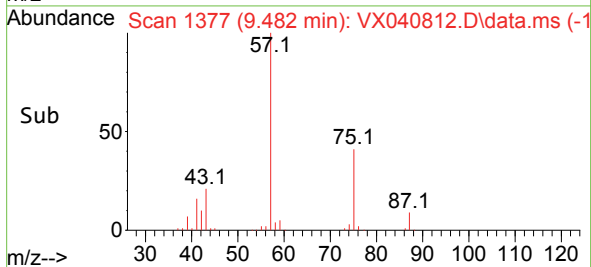
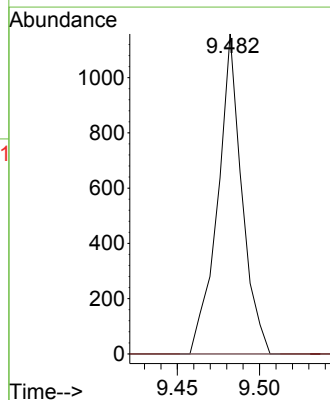
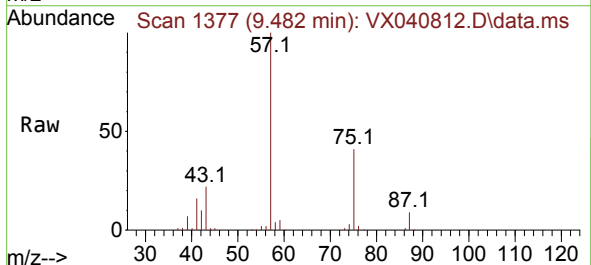
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

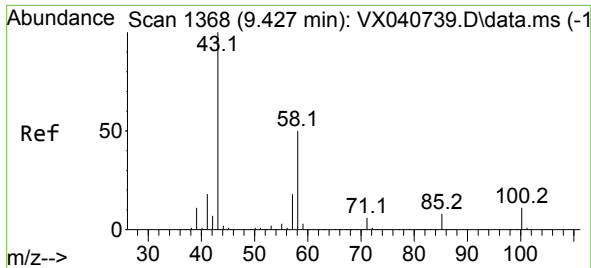
Tgt Ion: 69 Resp: 235
Ion Ratio Lower Upper
69 100
41 6958.3 56.8 85.2#
39 3201.7 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.201 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

Tgt Ion: 76 Resp: 1186
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

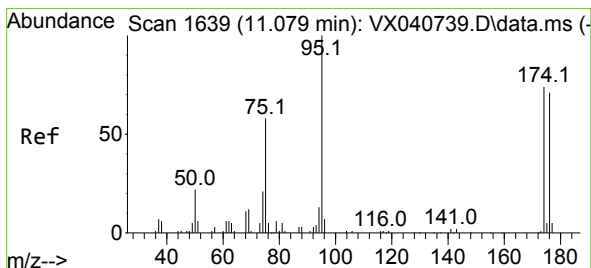
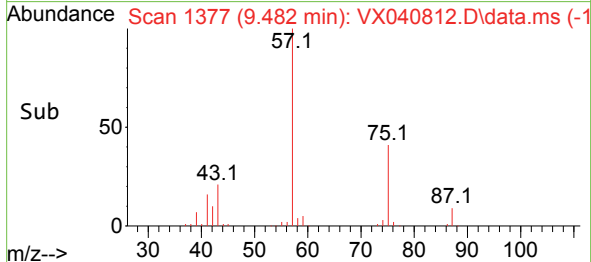
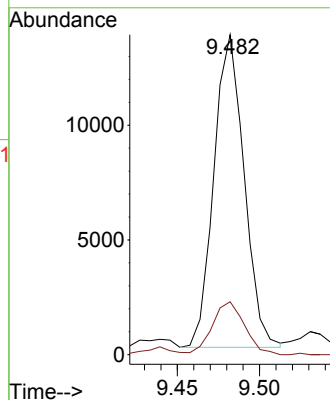
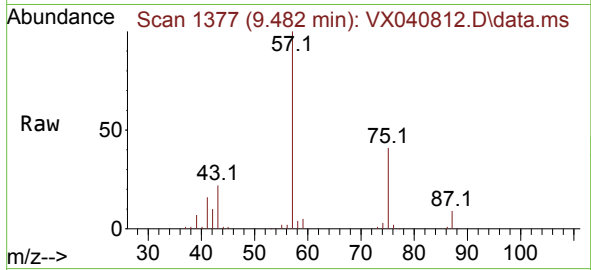




#59
2-Hexanone
Concen: 23.566 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

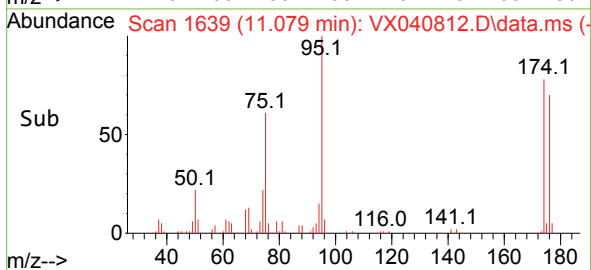
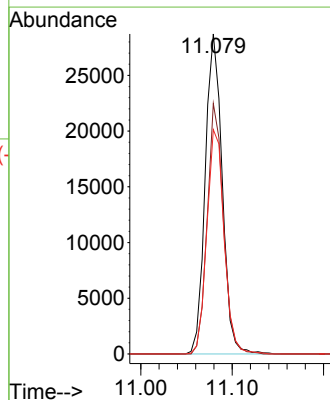
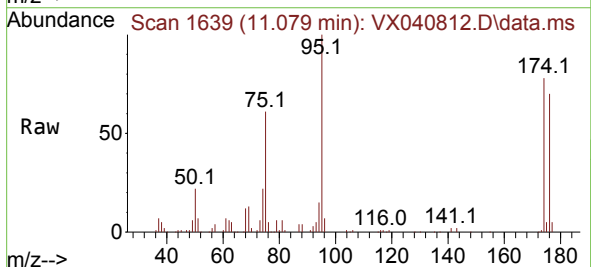
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

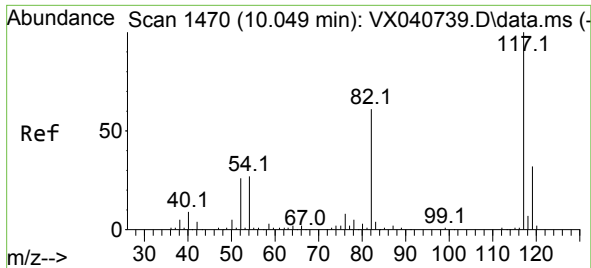
Tgt Ion: 43 Resp: 17417
Ion Ratio Lower Upper
43 100
58 18.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 46.590 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

Tgt Ion: 95 Resp: 36931
Ion Ratio Lower Upper
95 100
174 74.6 0.0 135.6
176 71.5 0.0 131.0

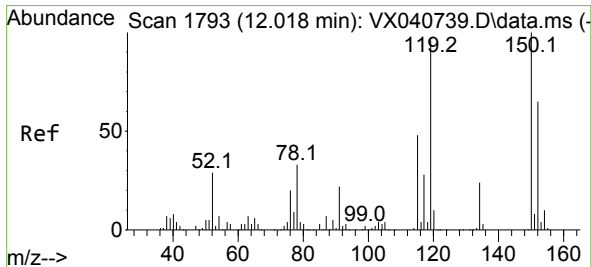
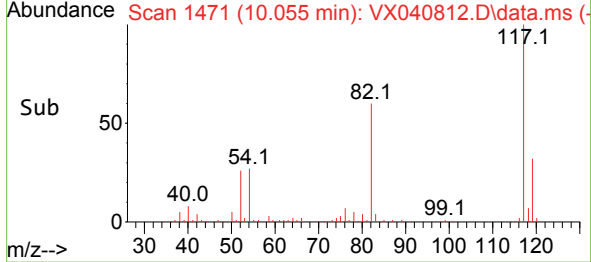
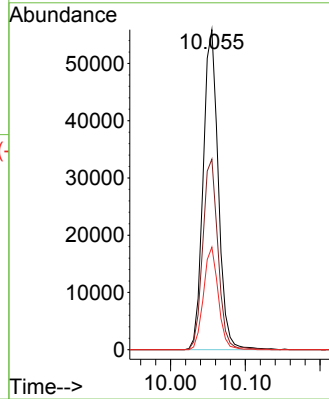
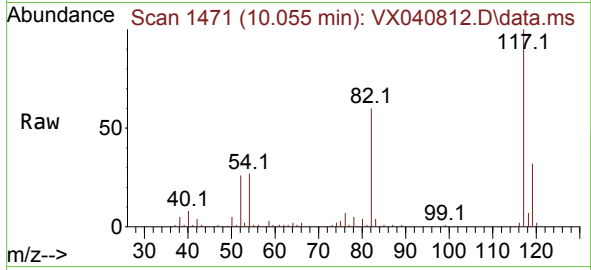




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

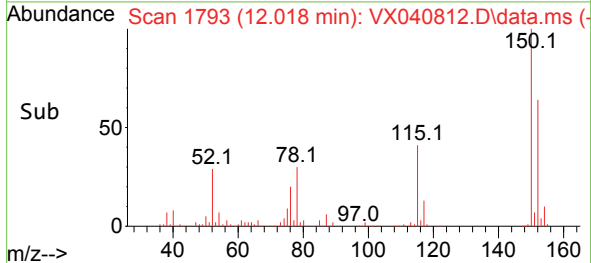
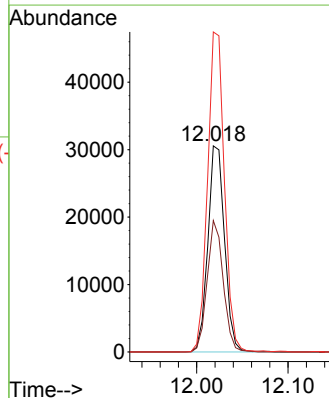
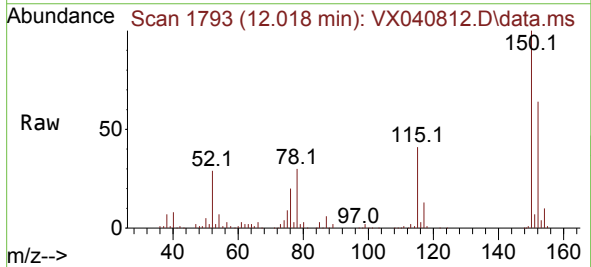
Instrument :
MSVOA_X
ClientSampleId :
SOIL-3

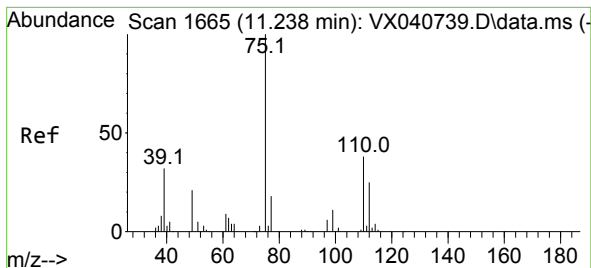
Tgt Ion:117 Resp: 78433
Ion Ratio Lower Upper
117 100
82 59.6 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX040812.D
Acq: 27 Mar 2024 14:47

Tgt Ion:152 Resp: 38688
Ion Ratio Lower Upper
152 100
115 61.2 43.3 129.9
150 156.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.651 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040812.D

Acq: 27 Mar 2024 14:47

Instrument :

MSVOA_X

ClientSampleId :

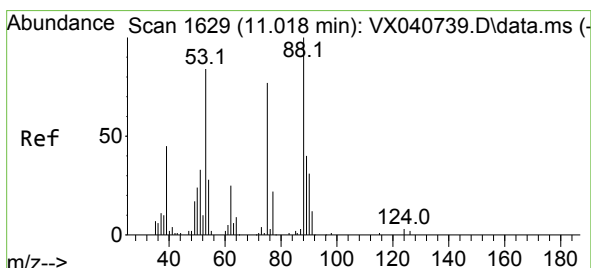
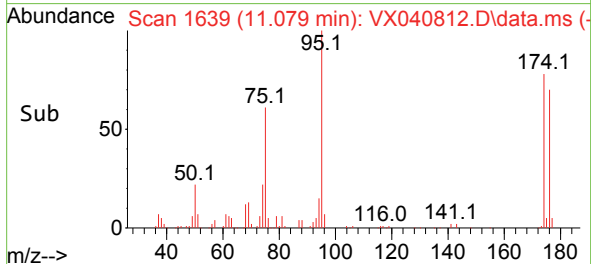
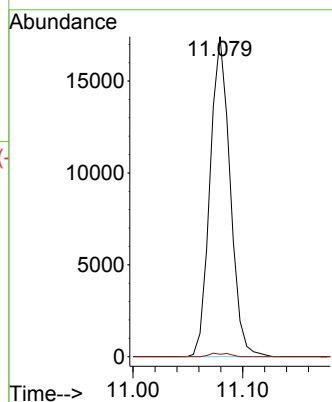
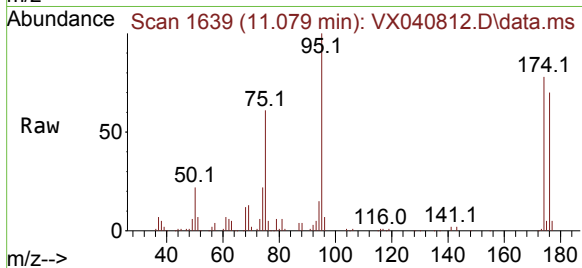
SOIL-3

Tgt Ion: 75 Resp: 22176

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.423 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040812.D

Acq: 27 Mar 2024 14:47

Tgt Ion: 75 Resp: 22176

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

