

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014147.D
 Acq On : 13 Jun 2023 18:13
 Operator : KP/MD
 Sample : 03164-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-001

Quant Time: Jun 14 01:38:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

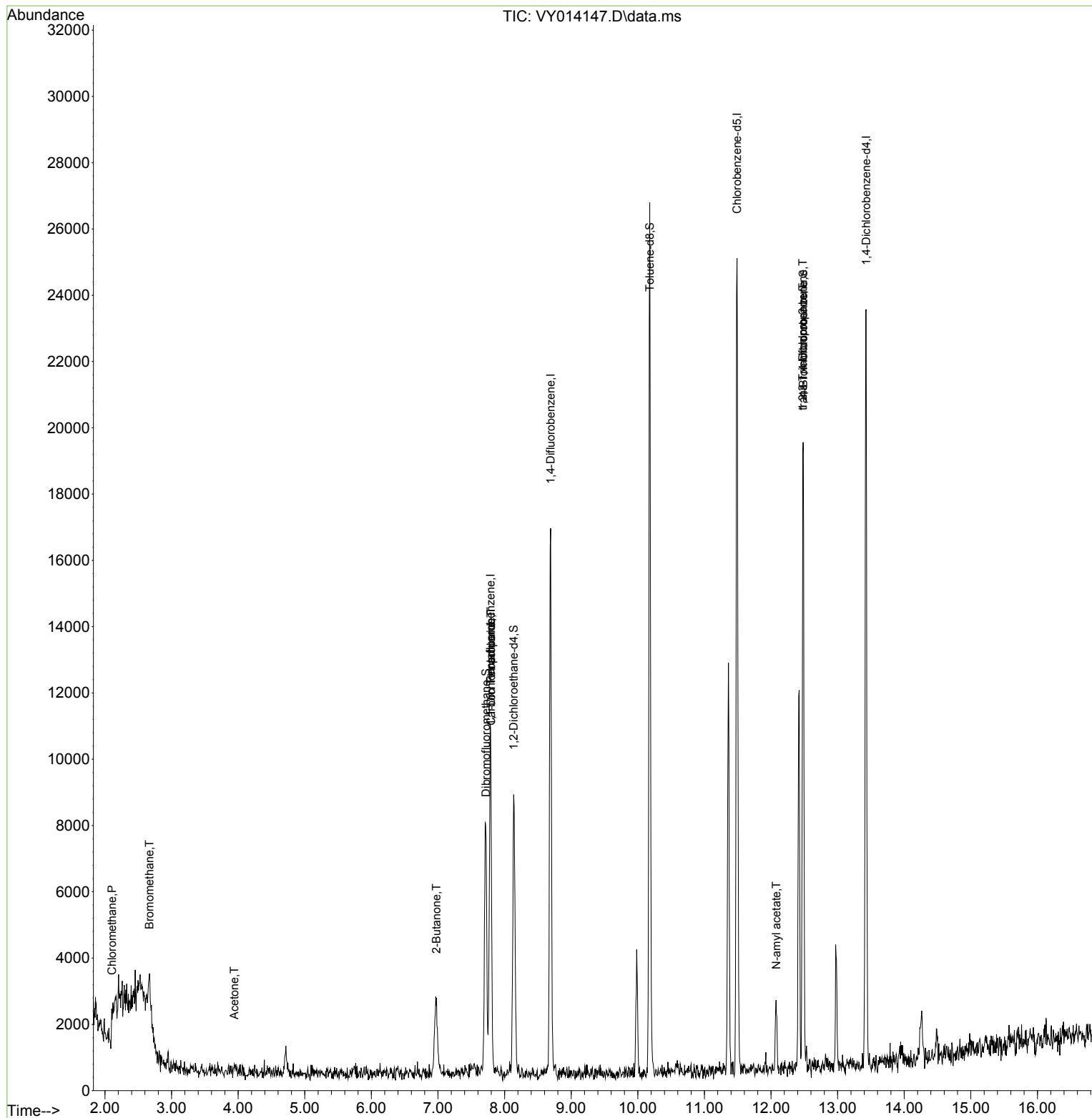
Internal Standards						
1) Pentafluorobenzene	7.789	168	8613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	13916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	14254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	7503	62.558	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.120%	
35) Dibromofluoromethane	7.722	113	5323	53.937	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.880%	
50) Toluene-d8	10.179	98	16475	44.653	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 89.300%	
62) 4-Bromofluorobenzene	12.483	95	5750	43.871	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	191	1.569	ug/l #	43
5) Bromomethane	2.668	94	152	1.557	ug/l #	71
11) Tert butyl alcohol	4.911	59	19	Below Cal	#	89
16) Acetone	3.942	43	424	11.728	ug/l #	46
25) 2-Butanone	6.978	43	63	1.416	ug/l #	49
36) 1,1-Dichloropropene	7.795	75	616	4.004	ug/l #	41
38) Carbon Tetrachloride	7.795	117	842	4.742	ug/l #	12
74) N-amyl acetate	12.081	43	507	3.301	ug/l #	51
76) 1,2,3-Trichloropropane	12.477	75	3040	36.467	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3040	78.828	ug/l #	10

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

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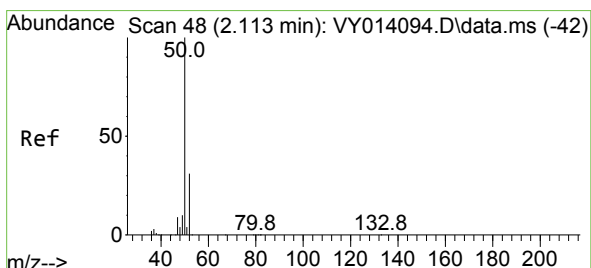
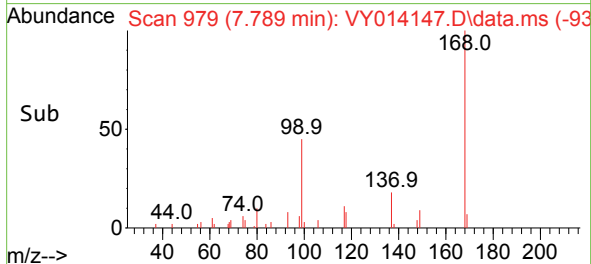
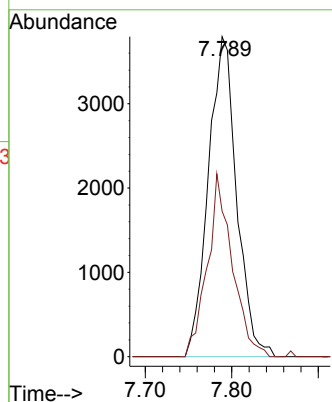
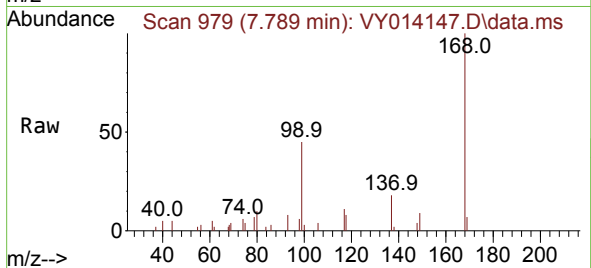




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

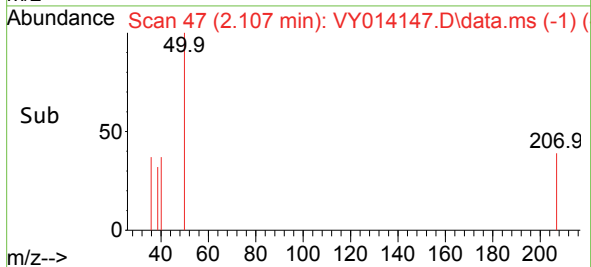
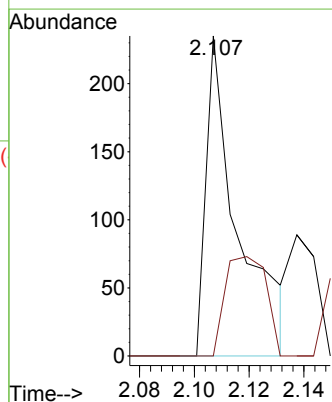
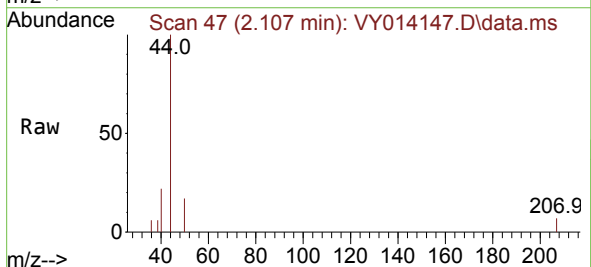
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-001

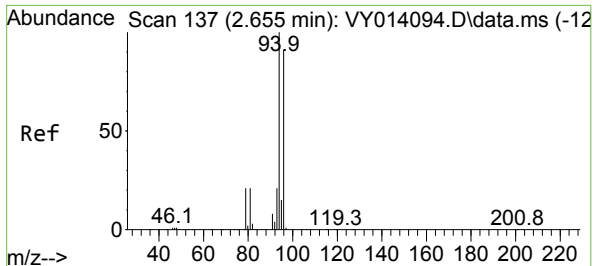
Tgt Ion:168 Resp: 8613
Ion Ratio Lower Upper
168 100
99 45.5 43.4 65.0



#3
Chloromethane
Concen: 1.569 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

Tgt Ion: 50 Resp: 191
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

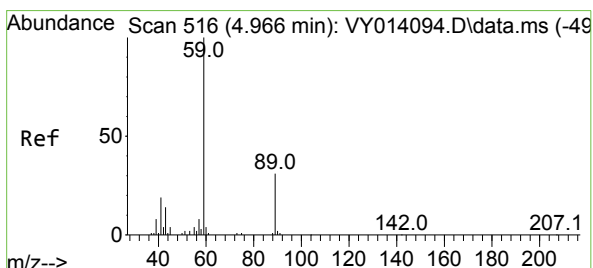
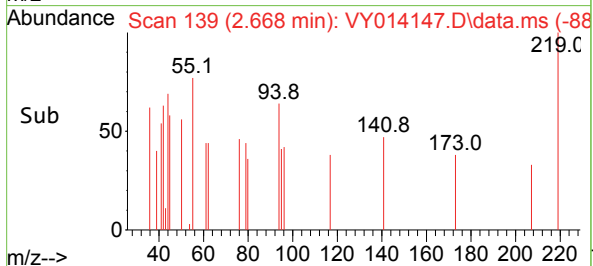
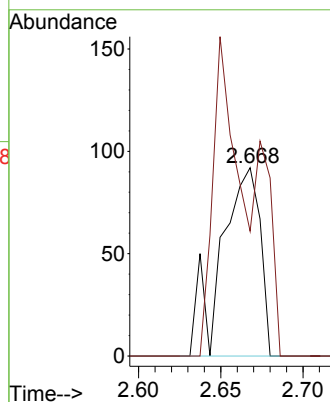
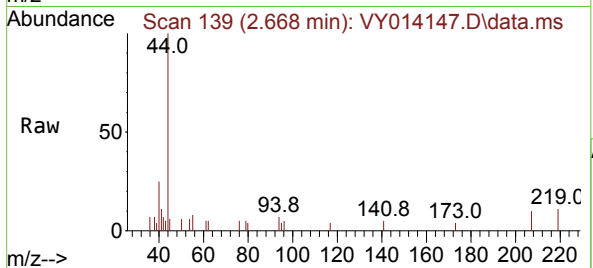




#5
Bromomethane
Concen: 1.557 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

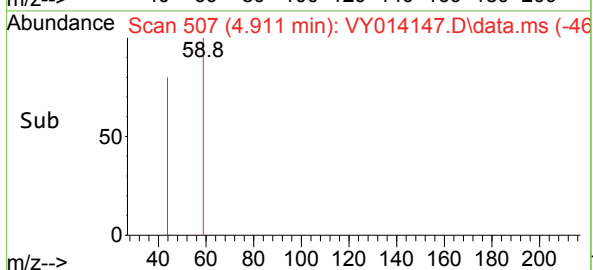
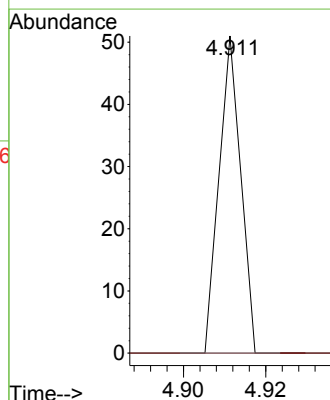
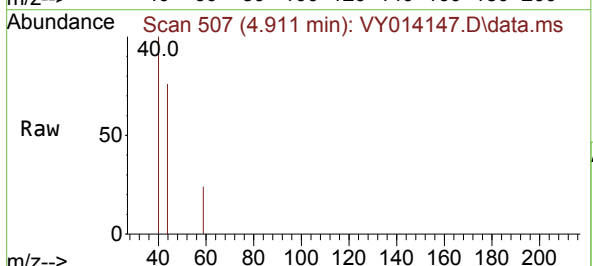
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-001

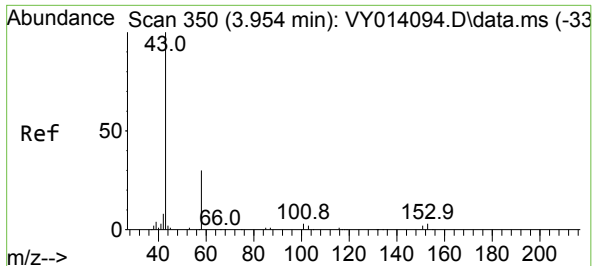
Tgt Ion: 94 Resp: 152
Ion Ratio Lower Upper
94 100
96 66.3 75.8 113.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.055 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

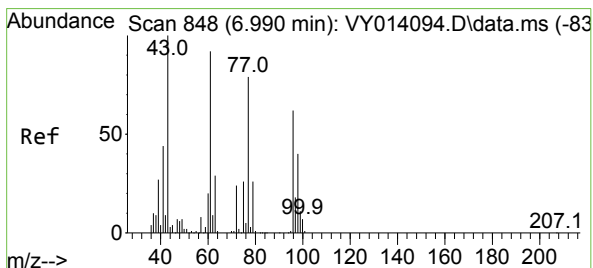
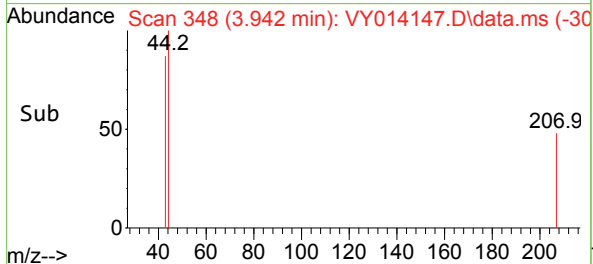
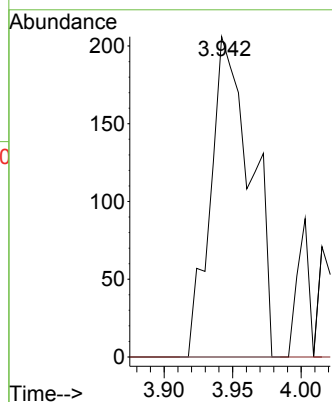
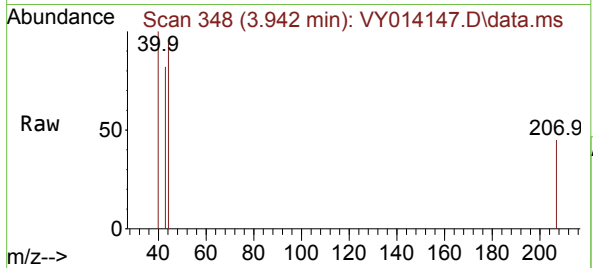




#16
Acetone
Concen: 11.728 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

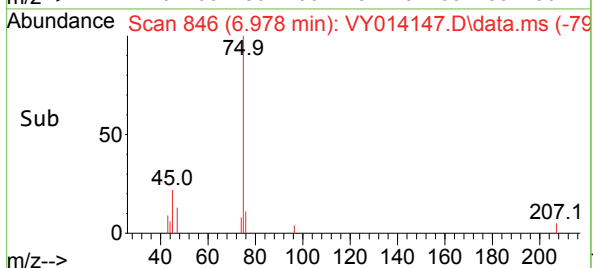
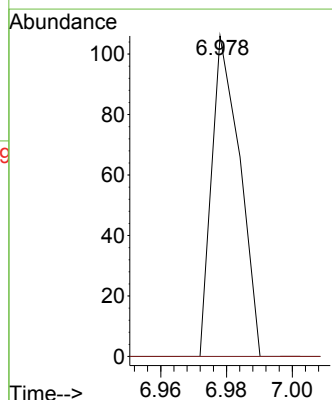
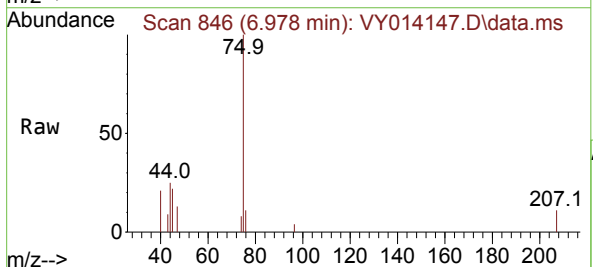
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-001

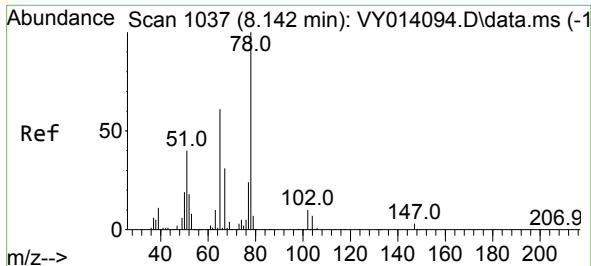
Tgt Ion: 43 Resp: 424
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#25
2-Butanone
Concen: 1.416 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 62.558 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014147.D

Acq: 13 Jun 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

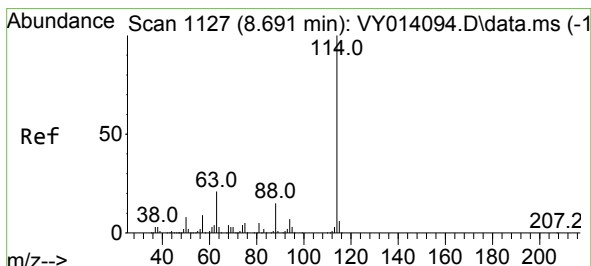
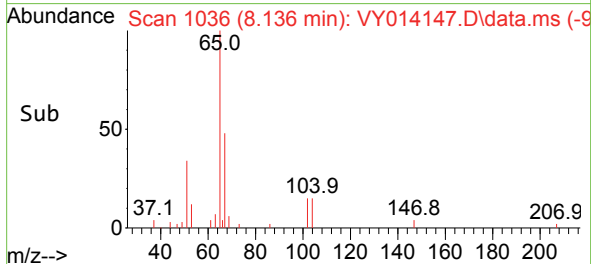
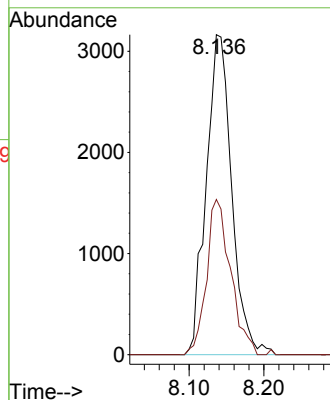
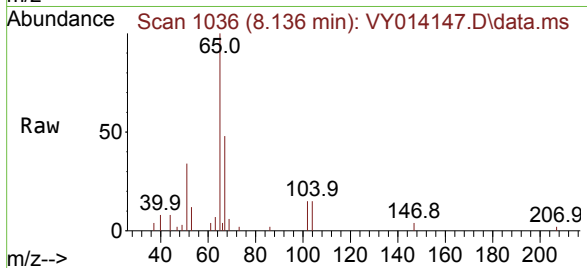
SOIL-001

Tgt Ion: 65 Resp: 7503

Ion Ratio Lower Upper

65 100

67 45.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014147.D

Acq: 13 Jun 2023 18:13

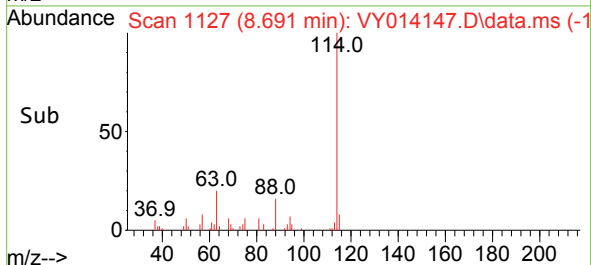
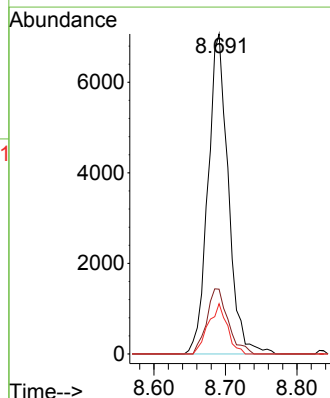
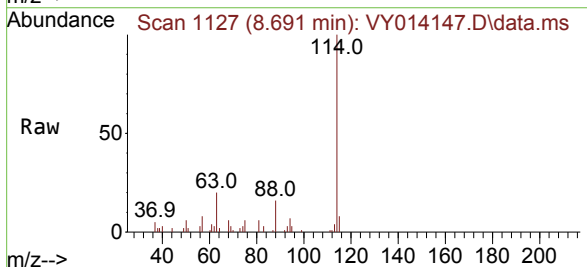
Tgt Ion: 114 Resp: 13916

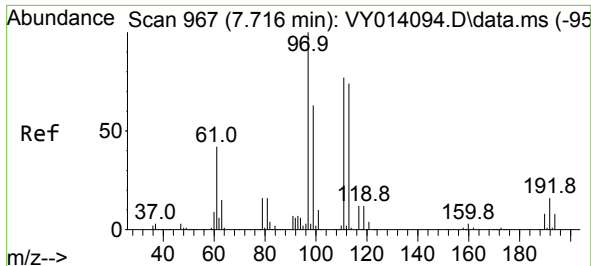
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 15.7 0.0 30.6

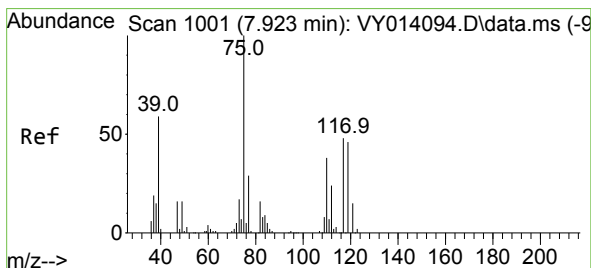
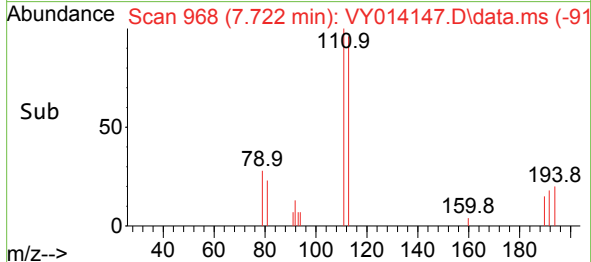
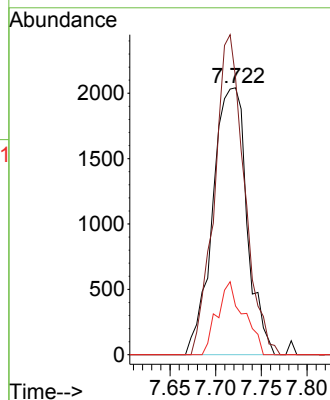
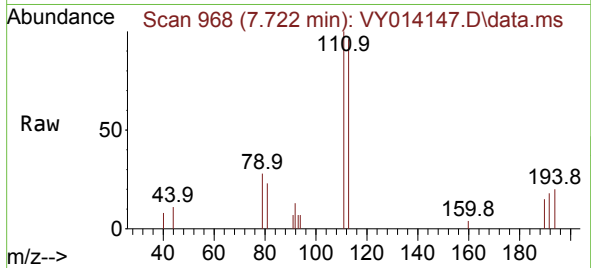




#35
Dibromofluoromethane
Concen: 53.937 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

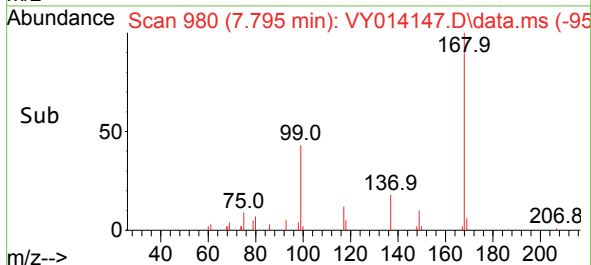
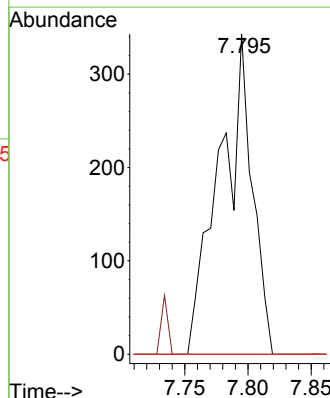
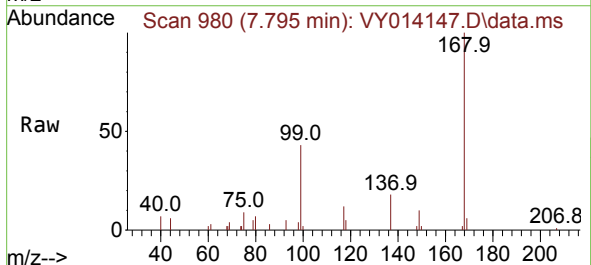
Instrument :
MSVOA_Y
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SOIL-001

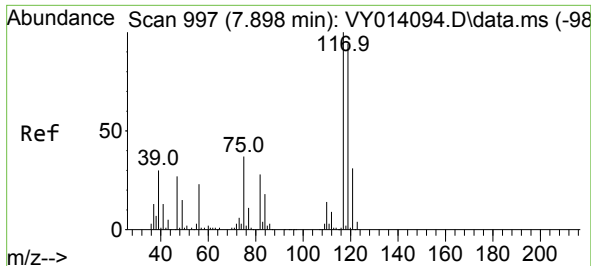
Tgt Ion:113 Resp: 5323
Ion Ratio Lower Upper
113 100
111 104.5 81.3 121.9
192 21.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.004 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

Tgt Ion: 75 Resp: 616
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#

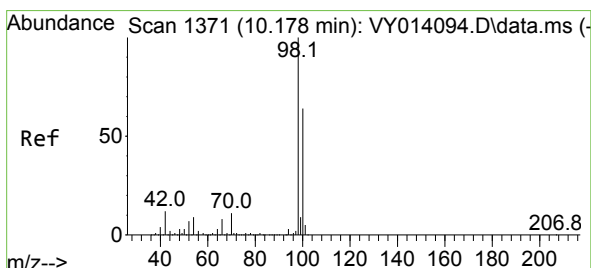
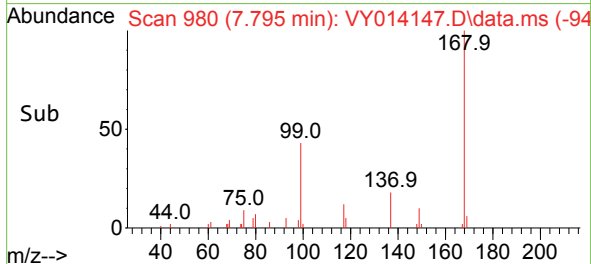
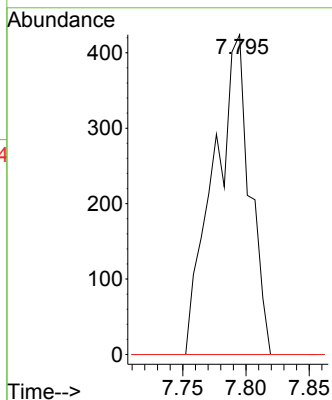
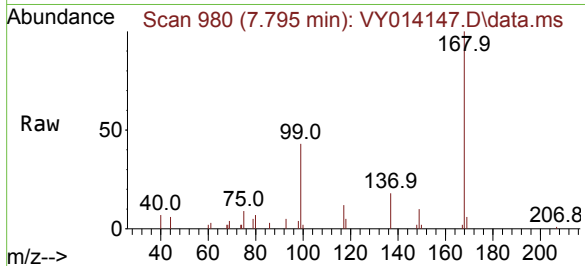




#38
Carbon Tetrachloride
Concen: 4.742 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

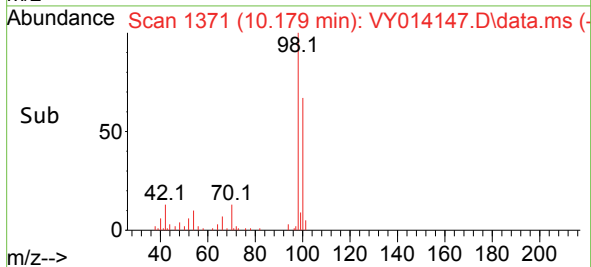
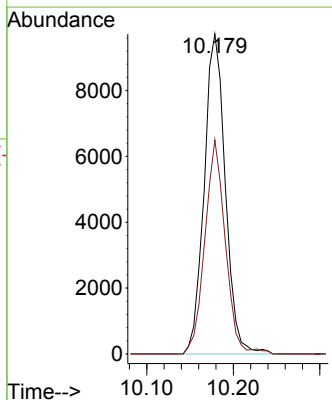
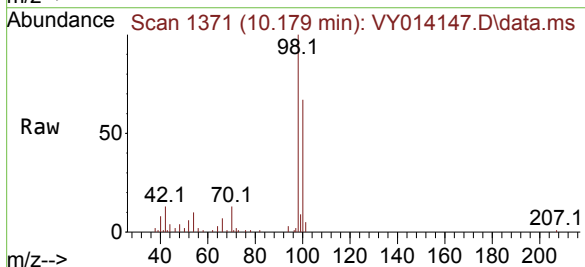
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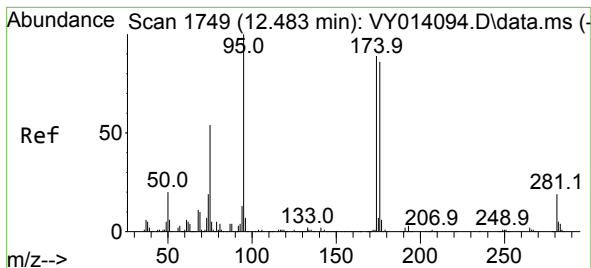
Tgt Ion:117 Resp: 842
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 44.653 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

Tgt Ion: 98 Resp: 16475
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1

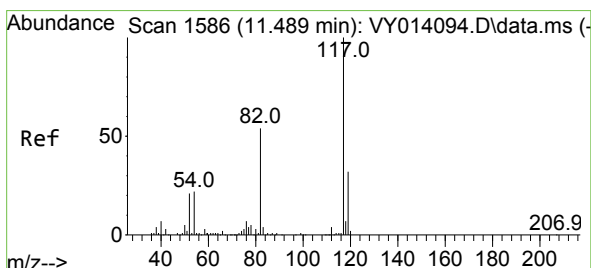
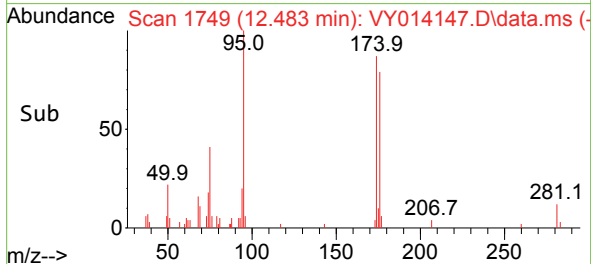
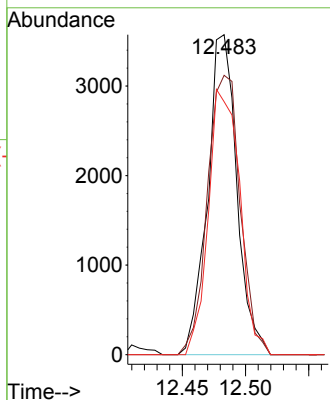
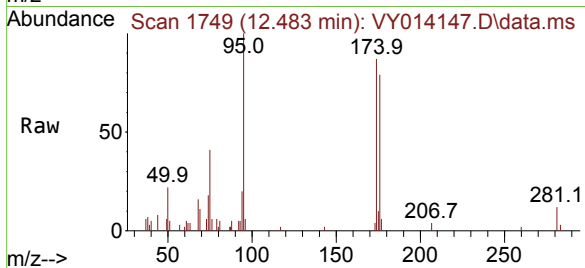




#62
4-Bromofluorobenzene
Concen: 43.871 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

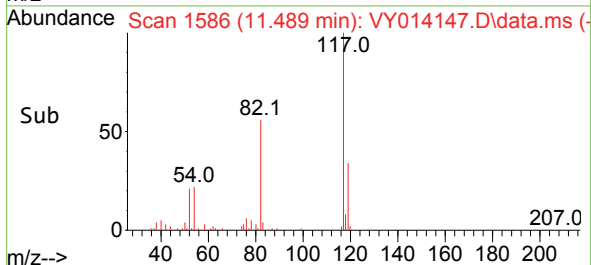
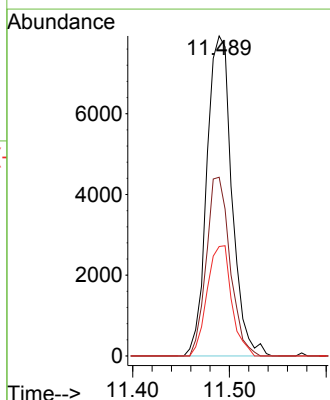
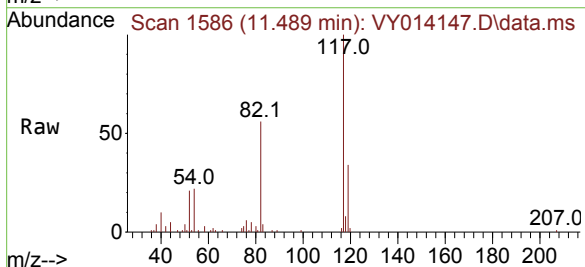
Instrument :
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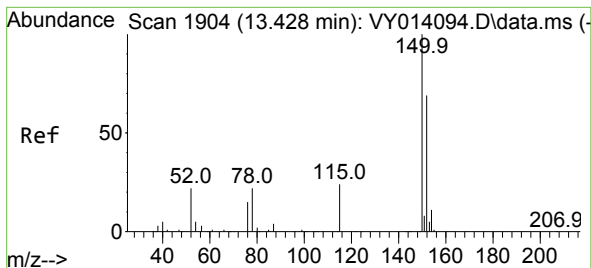
Tgt Ion: 95 Resp: 5750
Ion Ratio Lower Upper
95 100
174 97.9 0.0 178.2
176 88.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

Tgt Ion: 117 Resp: 14254
Ion Ratio Lower Upper
117 100
82 55.8 43.4 65.0
119 34.2 26.3 39.5

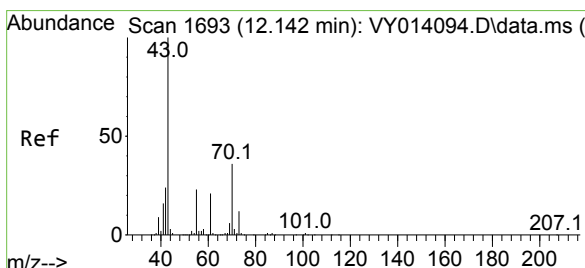
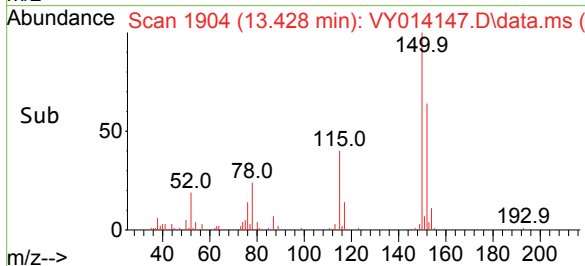
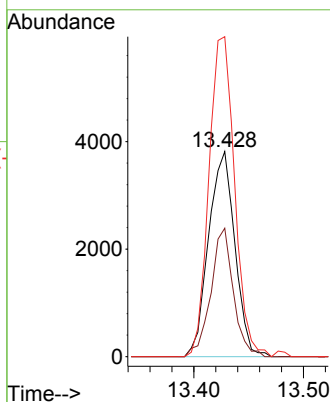
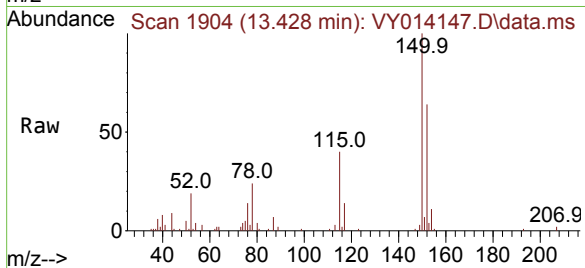




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

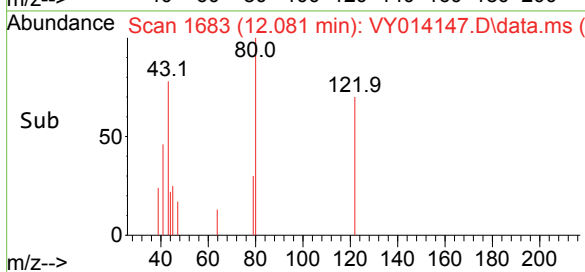
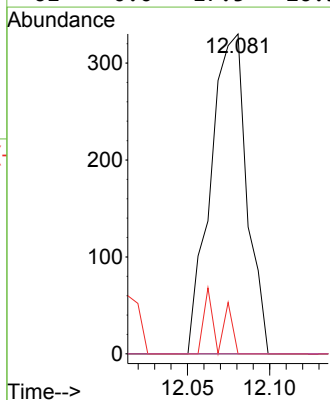
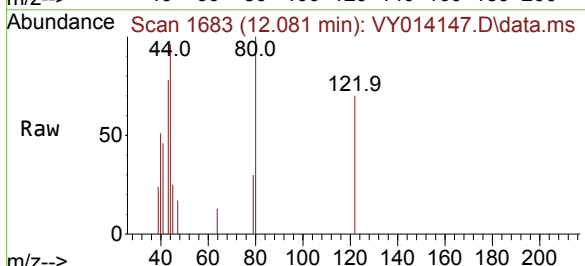
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-001

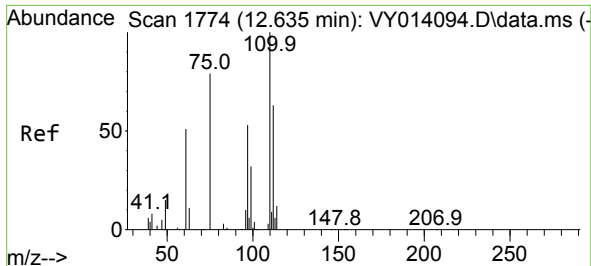
Tgt Ion:152 Resp: 6354
Ion Ratio Lower Upper
152 100
115 53.9 28.8 86.5
150 152.3 0.0 348.8



#74
N-ethyl acetate
Concen: 3.301 ug/l
RT: 12.081 min Scan# 1683
Delta R.T. -0.061 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

Tgt Ion: 43 Resp: 507
Ion Ratio Lower Upper
43 100
70 0.0 29.7 44.5#
55 8.7 18.3 27.5#
61 0.0 17.5 26.3#

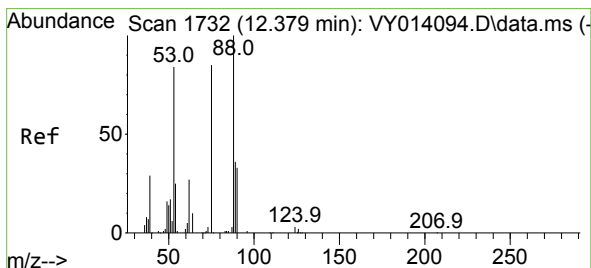
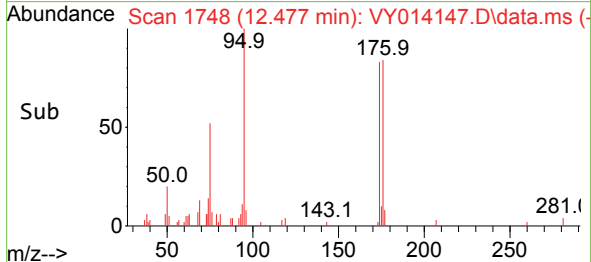
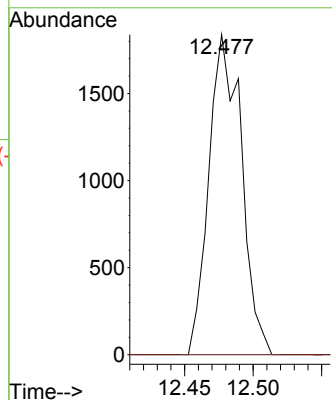
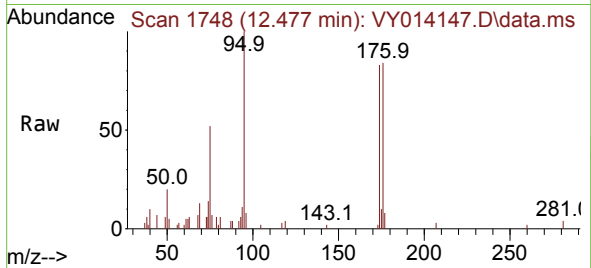




#76
1,2,3-Trichloropropane
Concen: 36.467 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-001

Tgt Ion: 75 Resp: 3040
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 78.828 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014147.D
Acq: 13 Jun 2023 18:13

Tgt Ion: 75 Resp: 3040
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

