

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091422\
 Data File : VY010496.D
 Acq On : 14 Sep 2022 19:54
 Operator : KP/MD
 Sample : N4600-01
 Misc : 5.49g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OH-SOIL-0913

Quant Time: Sep 15 01:12:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

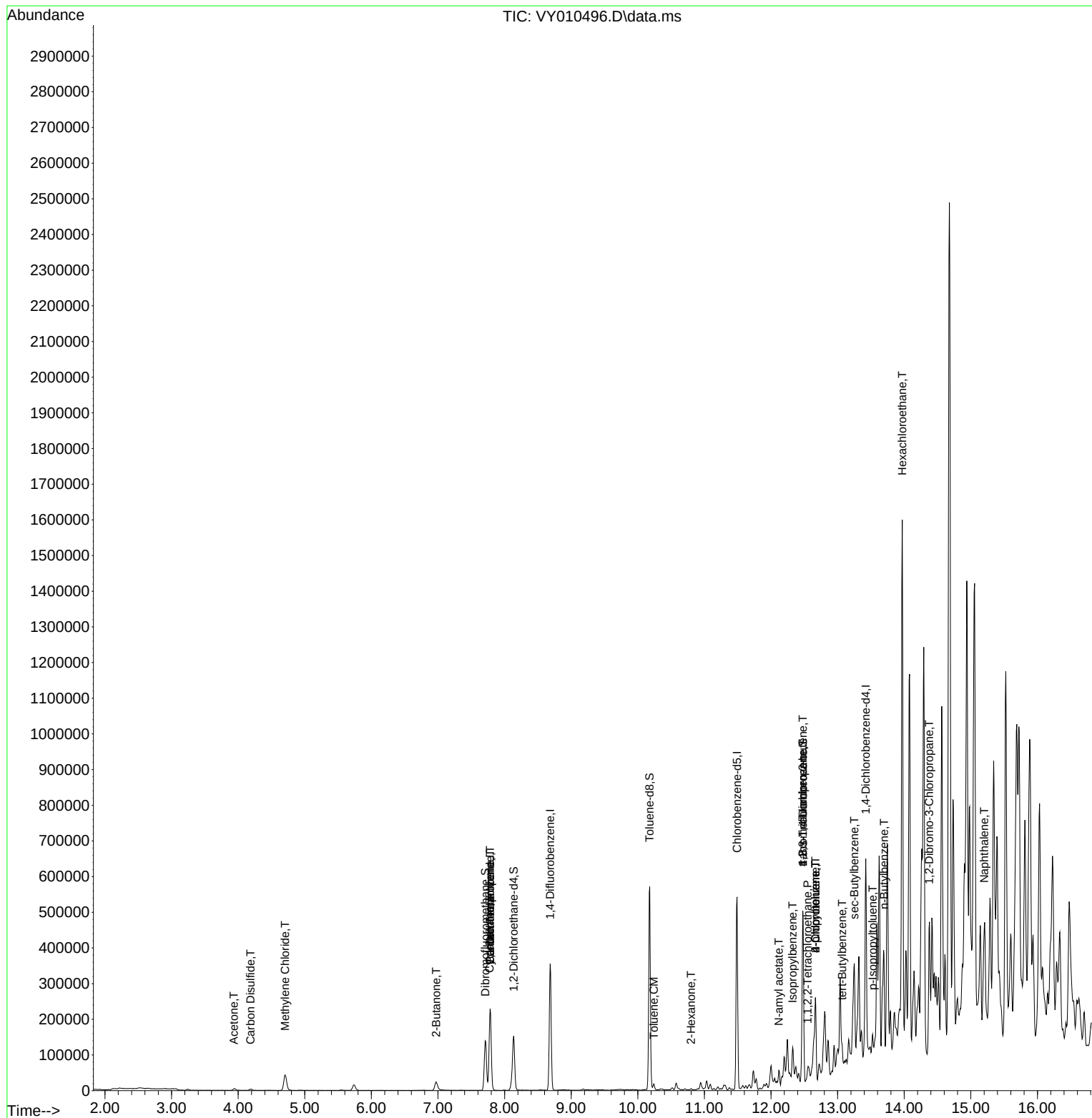
Internal Standards						
1) Pentafluorobenzene	7.783	168	177448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	308392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	300614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	152836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	109660	61.359	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.720%	
35) Dibromofluoromethane	7.710	113	99093	45.243	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.480%	
50) Toluene-d8	10.179	98	373758	52.654	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.300%	
62) 4-Bromofluorobenzene	12.477	95	142333	50.669	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.340%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	123	Below Cal	#	43
11) Tert butyl alcohol	4.954	59	1087	Below Cal	#	77
16) Acetone	3.936	43	8827	21.522	ug/l #	85
17) Carbon Disulfide	4.186	76	5625	1.216	ug/l	96
20) Methylene Chloride	4.704	84	33742	11.731	ug/l #	85
25) 2-Butanone	6.972	43	2593	3.978	ug/l	92
31) Cyclohexane	7.777	56	3893	1.289	ug/l #	7
36) 1,1-Dichloropropene	7.783	75	13641	4.549	ug/l #	51
38) Carbon Tetrachloride	7.783	117	17446	5.230	ug/l #	16
52) Toluene	10.240	92	6483	1.148	ug/l	93
59) 2-Hexanone	10.800	43	1574	1.459	ug/l #	28
73) Isopropylbenzene	12.325	105	58517	4.907	ug/l	100
74) N-amyl acetate	12.117	43	9049	3.252	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.550	83	2602	1.166	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	72545	43.008	ug/l #	100
78) n-propylbenzene	12.666	91	169745	12.021	ug/l	99
79) 2-Chlorotoluene	12.666	91	169745	21.400	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.477	75	72545	95.492	ug/l #	8
82) 4-Chlorotoluene	12.666	91	169745	20.570	ug/l #	41
83) tert-Butylbenzene	13.068	119	14807	1.684	ug/l	98
85) sec-Butylbenzene	13.251	105	145881	11.203	ug/l #	72
86) p-Isopropyltoluene	13.526	119	41709	3.787	ug/l	97
89) n-Butylbenzene	13.696	91	173219	17.325	ug/l #	86
90) Hexachloroethane	13.971	117	66384	32.099	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.373	75	1262	3.352	ug/l #	6
95) Naphthalene	15.202	128	13748	2.233	ug/l #	1

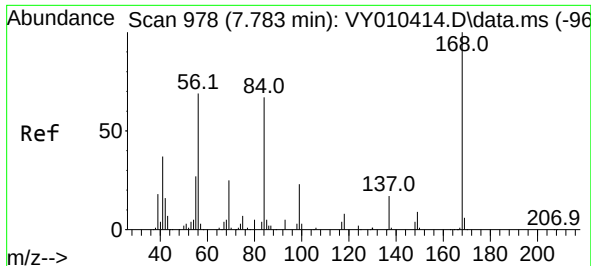
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091422\
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Quant Title : SW846 8260
QLast Update : Fri Sep 09 17:08:30 2022
Response via : Initial Calibration

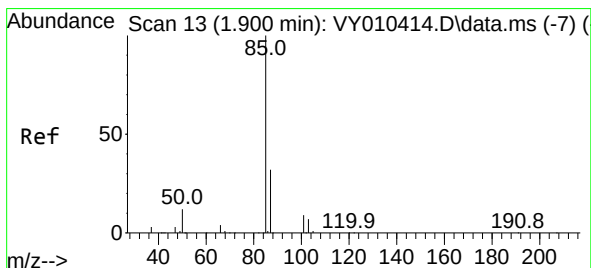
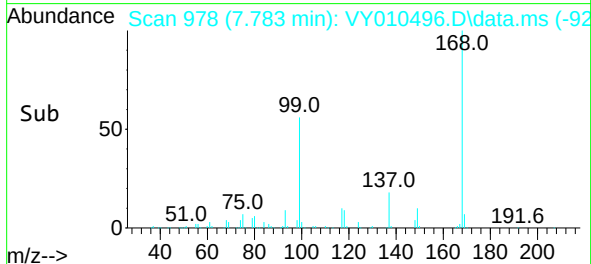
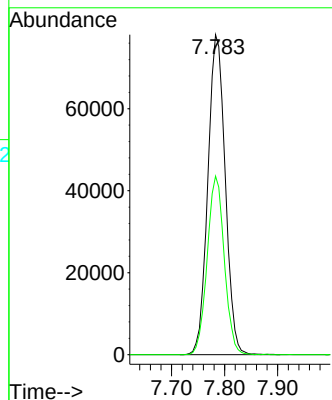
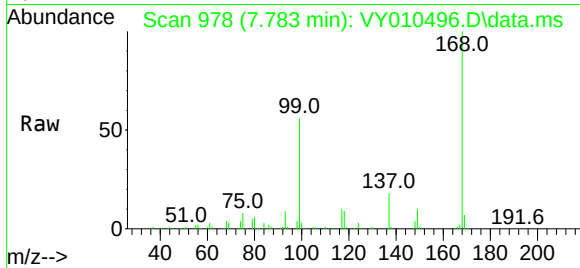




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

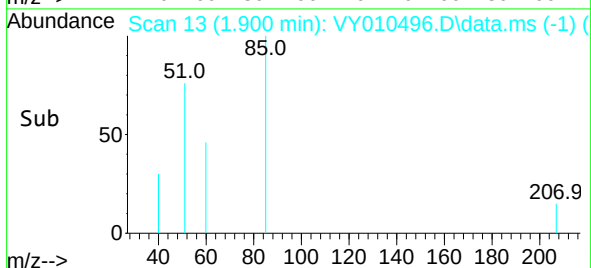
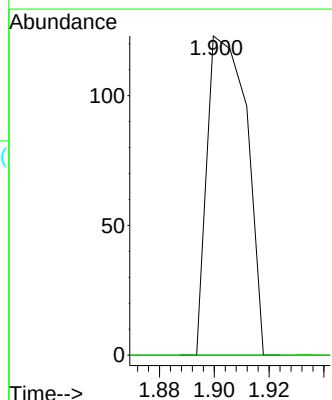
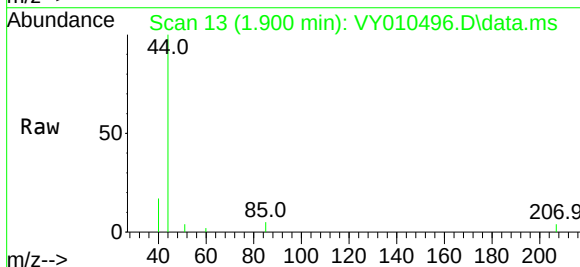
Instrument :
MSVOA_Y
ClientSampleId :
OH-SOIL-0913

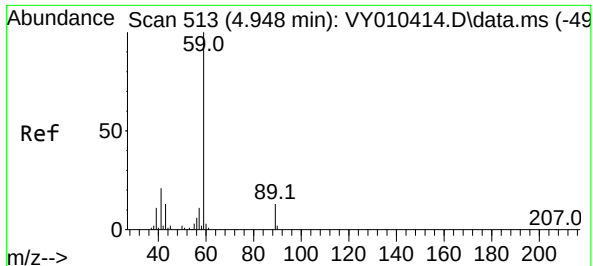
Tgt Ion:168 Resp: 177448
Ion Ratio Lower Upper
168 100
99 55.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Tgt Ion: 85 Resp: 123
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.954 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY010496.D

Acq: 14 Sep 2022 19:54

Instrument :

MSVOA_Y

ClientSampleId :

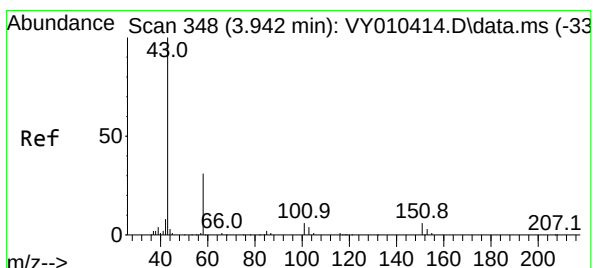
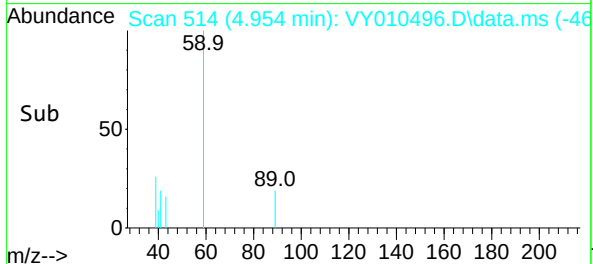
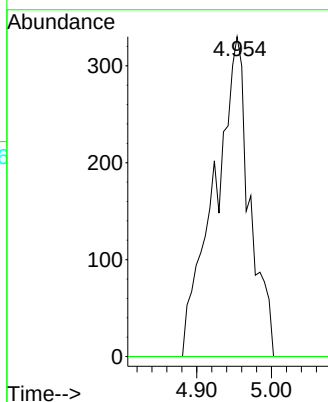
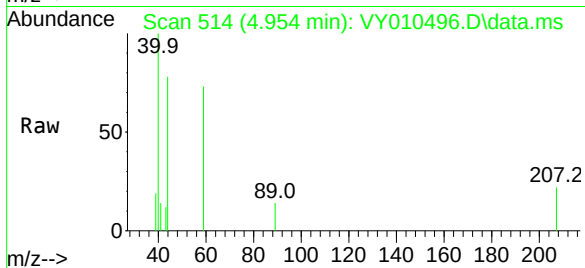
OH-SOIL-0913

Tgt Ion: 59 Resp: 1087

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 21.522 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.006 min

Lab File: VY010496.D

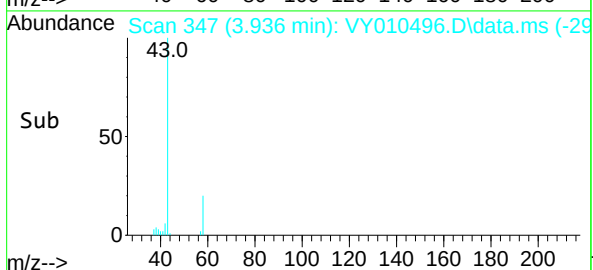
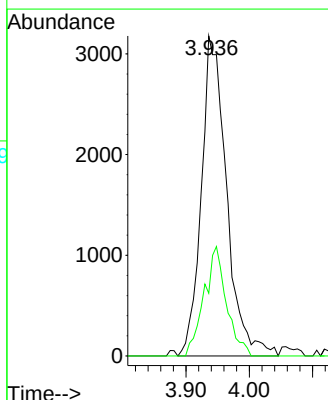
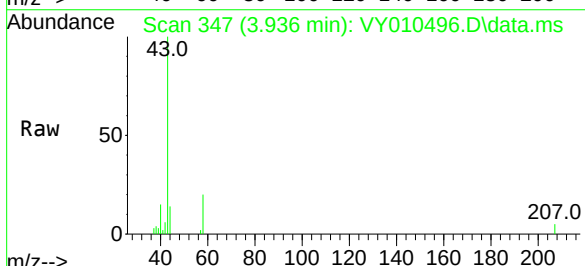
Acq: 14 Sep 2022 19:54

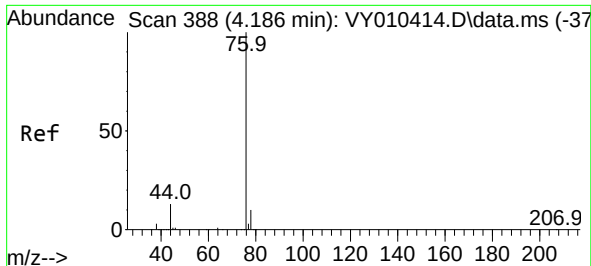
Tgt Ion: 43 Resp: 8827

Ion Ratio Lower Upper

43 100

58 19.6 22.0 33.0#

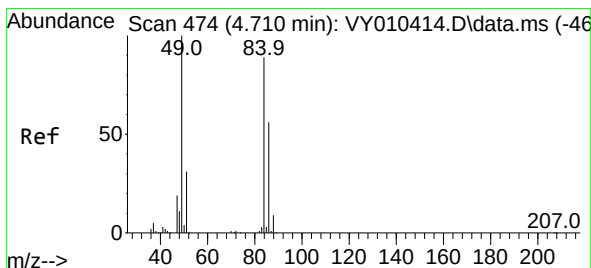
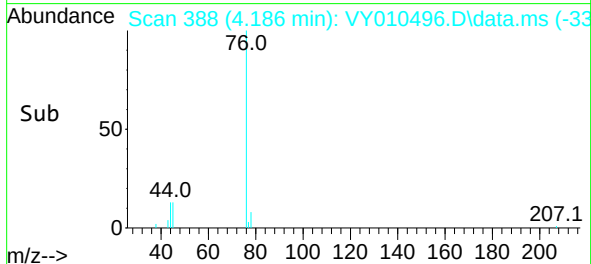
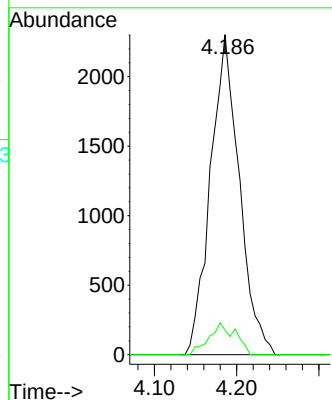
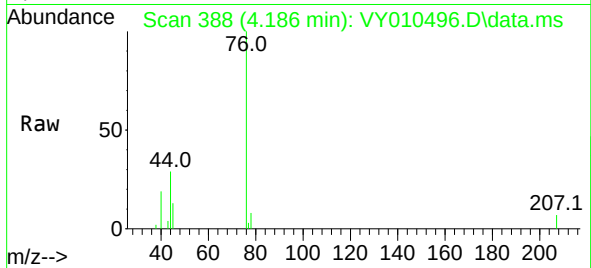




#17
Carbon Disulfide
Concen: 1.216 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

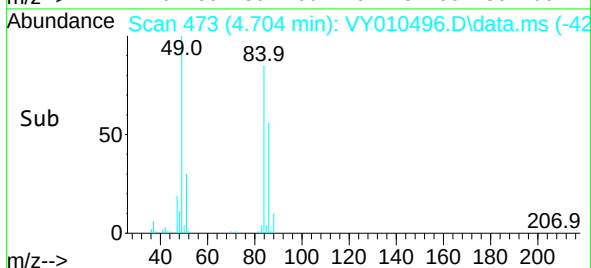
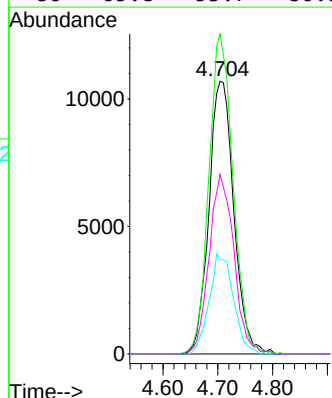
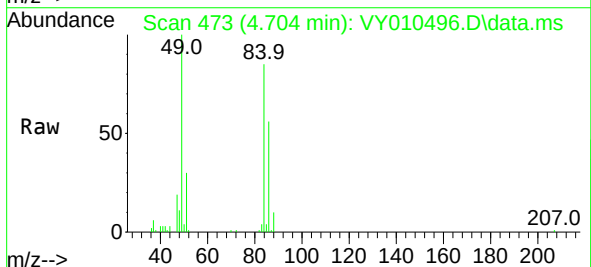
Instrument :
MSVOA_Y
ClientSampleId :
OH-SOIL-0913

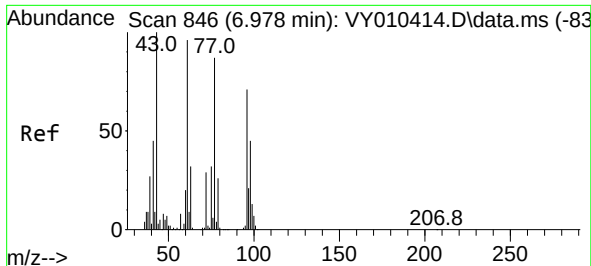
Tgt Ion: 76 Resp: 5625
Ion Ratio Lower Upper
76 100
78 7.7 7.4 11.0



#20
Methylene Chloride
Concen: 11.731 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Tgt Ion: 84 Resp: 33742
Ion Ratio Lower Upper
84 100
49 117.3 114.4 171.6
51 34.7 35.3 52.9#
86 65.8 53.7 80.5





#25

2-Butanone

Concen: 3.978 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010496.D

Acq: 14 Sep 2022 19:54

Instrument :

MSVOA_Y

ClientSampleId :

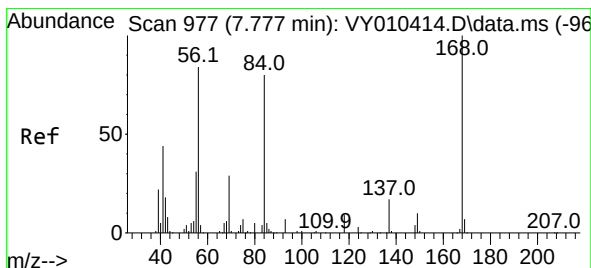
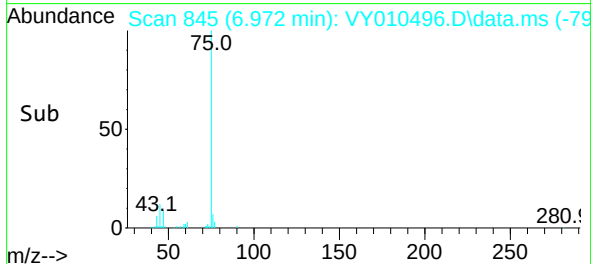
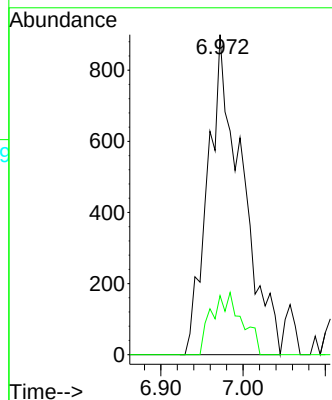
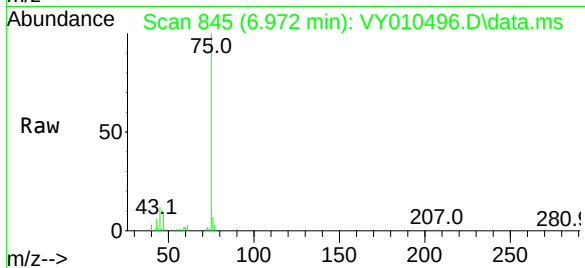
OH-SOIL-0913

Tgt Ion: 43 Resp: 2593

Ion Ratio Lower Upper

43 100

72 18.4 17.7 26.5



#31

Cyclohexane

Concen: 1.289 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY010496.D

Acq: 14 Sep 2022 19:54

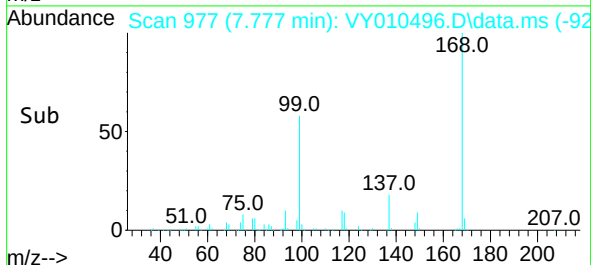
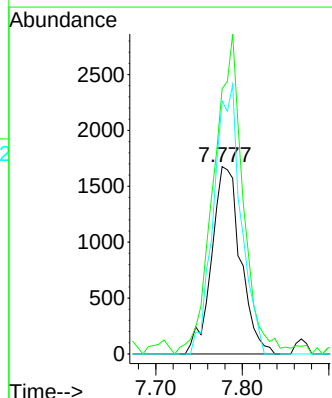
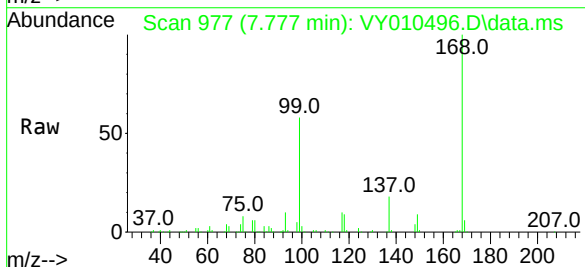
Tgt Ion: 56 Resp: 3893

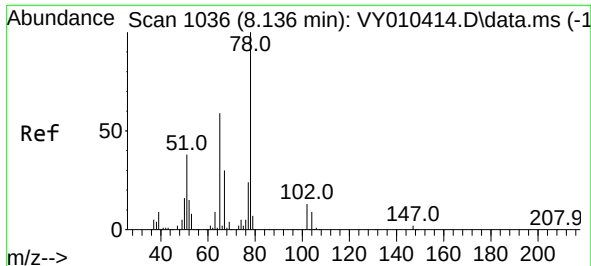
Ion Ratio Lower Upper

56 100

69 138.6 26.7 40.1#

84 135.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.359 ug/l

RT: 8.136 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010496.D

Acq: 14 Sep 2022 19:54

Instrument :

MSVOA_Y

ClientSampleId :

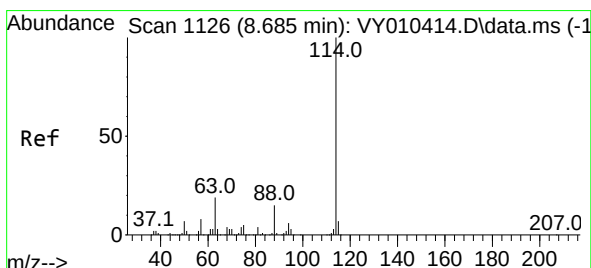
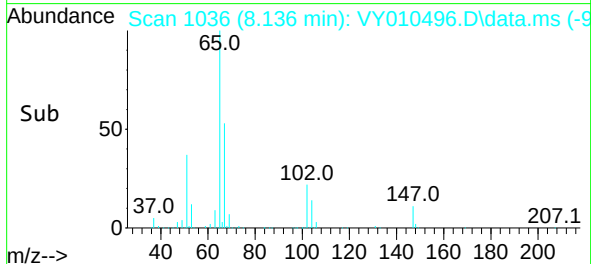
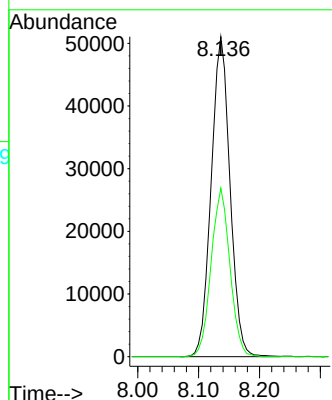
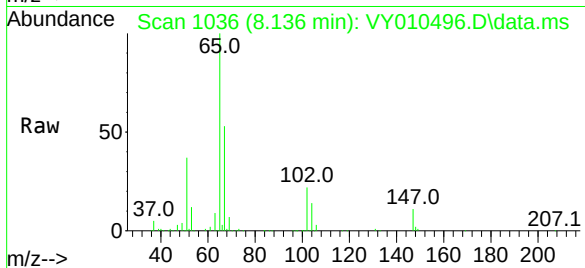
OH-SOIL-0913

Tgt Ion: 65 Resp: 109660

Ion Ratio Lower Upper

65 100

67 52.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010496.D

Acq: 14 Sep 2022 19:54

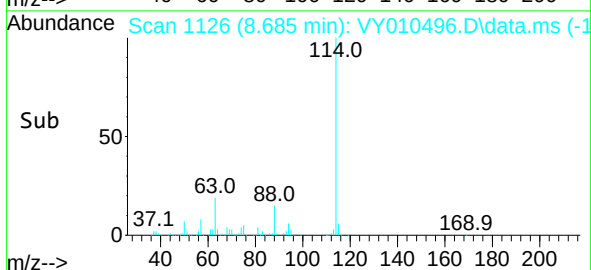
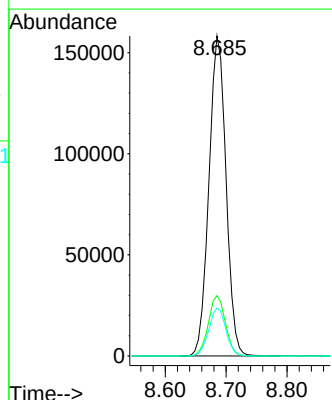
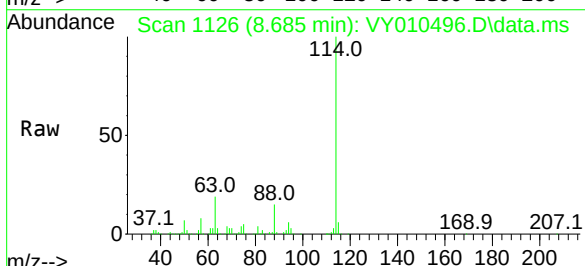
Tgt Ion: 114 Resp: 308392

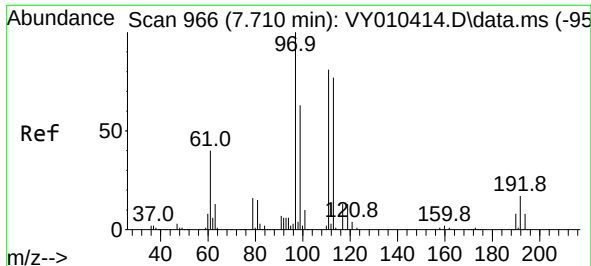
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.0 0.0 31.8

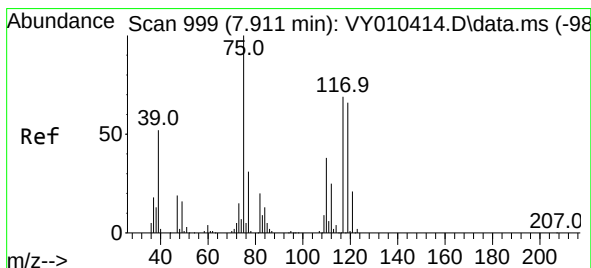
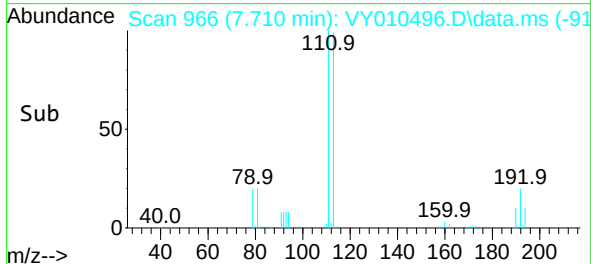
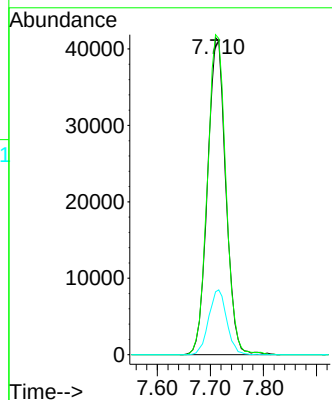
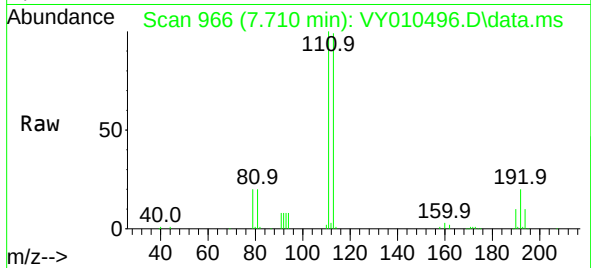




#35
Dibromofluoromethane
Concen: 45.243 ug/l
RT: 7.710 min Scan# 909
Delta R.T. -0.000 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

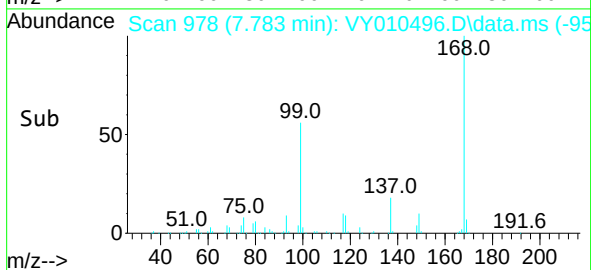
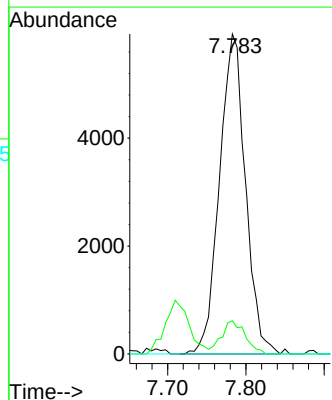
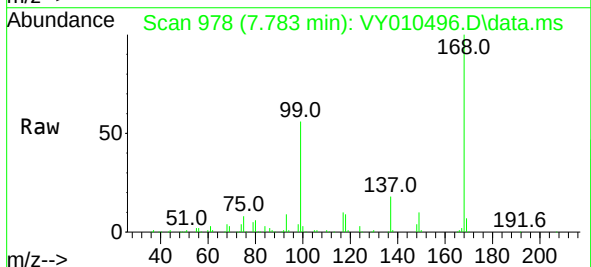
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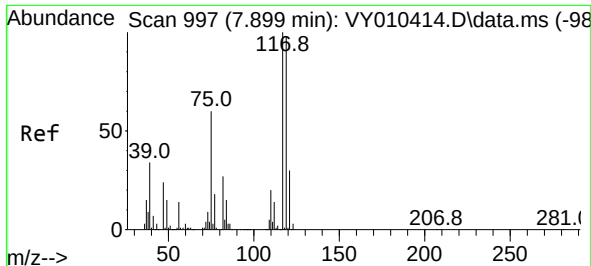
Tgt Ion:113 Resp: 99093
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 20.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.549 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Tgt Ion: 75 Resp: 13641
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#

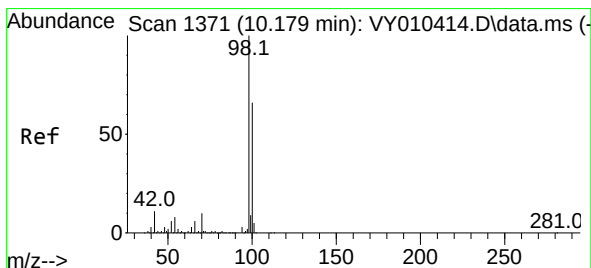
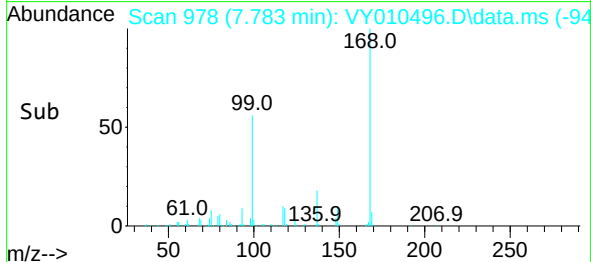
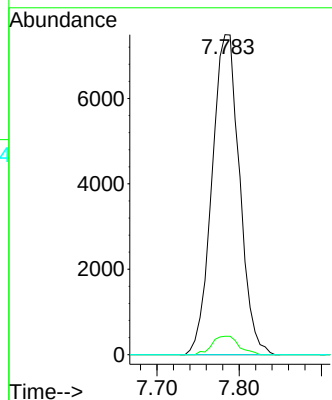
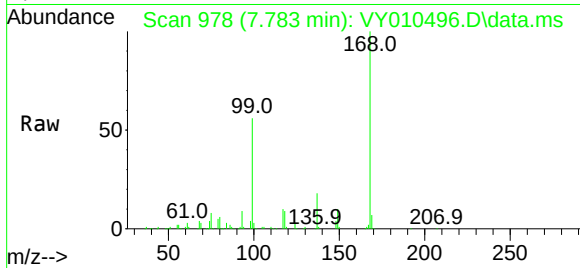




#38
Carbon Tetrachloride
Concen: 5.230 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

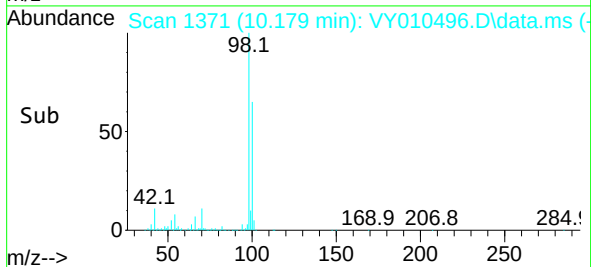
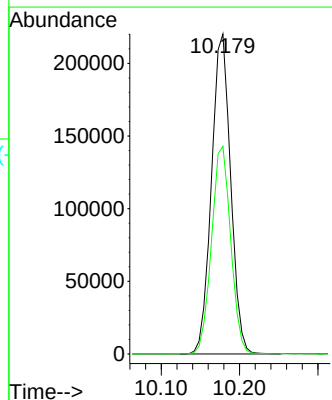
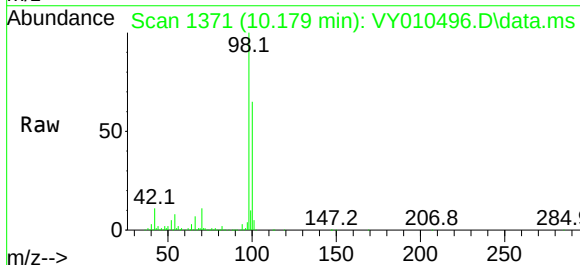
Instrument :
MSVOA_Y
ClientSampleId :
OH-SOIL-0913

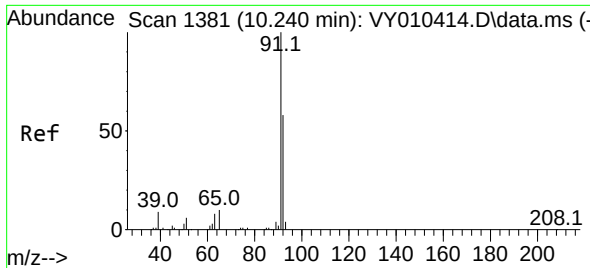
Tgt Ion:117 Resp: 17446
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.654 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Tgt Ion: 98 Resp: 373758
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

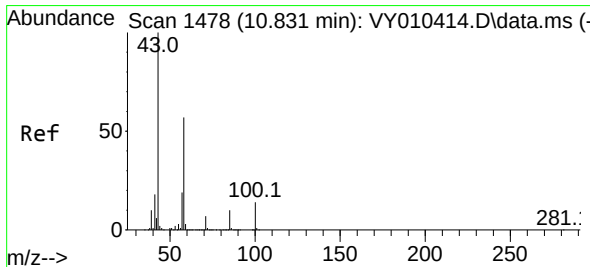
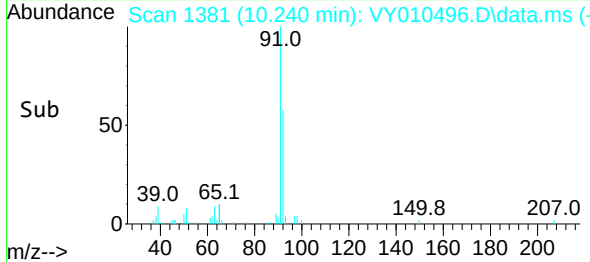
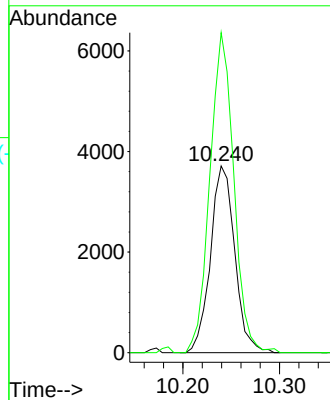
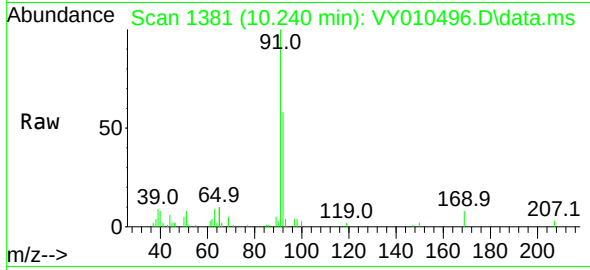




#52
Toluene
Concen: 1.148 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

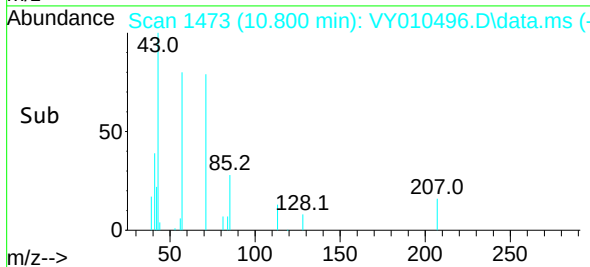
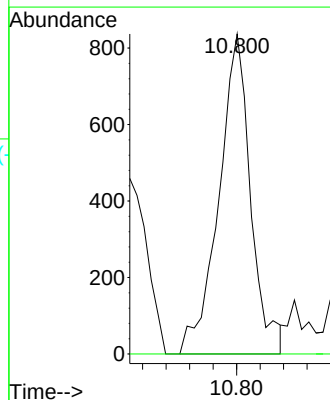
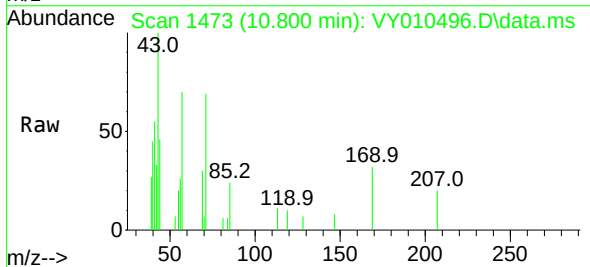
Instrument :
MSVOA_Y
ClientSampleId :
OH-SOIL-0913

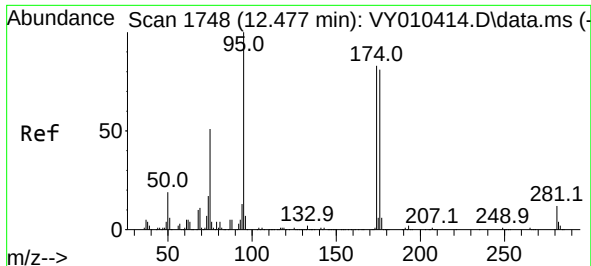
Tgt Ion: 92 Resp: 6483
Ion Ratio Lower Upper
92 100
91 168.7 142.6 213.8



#59
2-Hexanone
Concen: 1.459 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

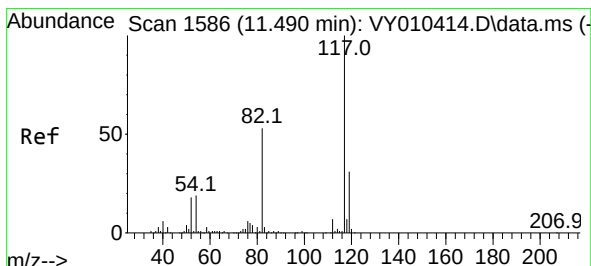
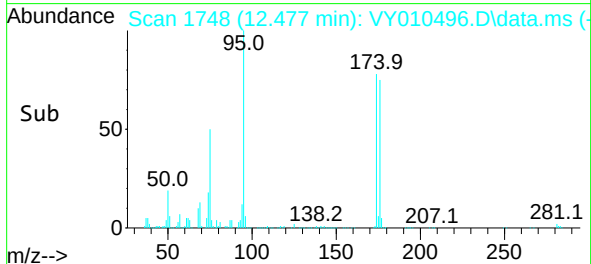
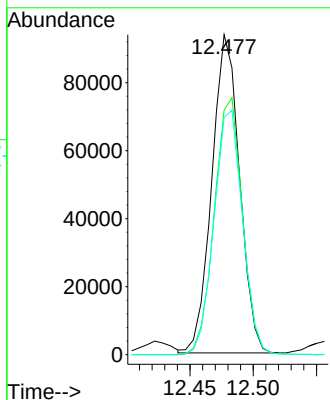
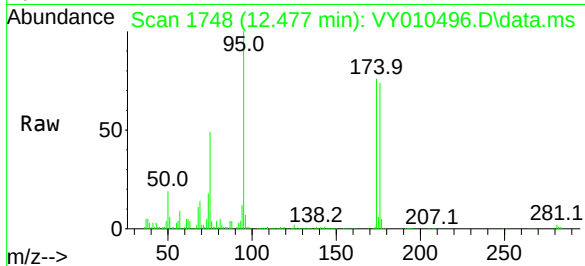




#62
4-Bromofluorobenzene
Concen: 50.669 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

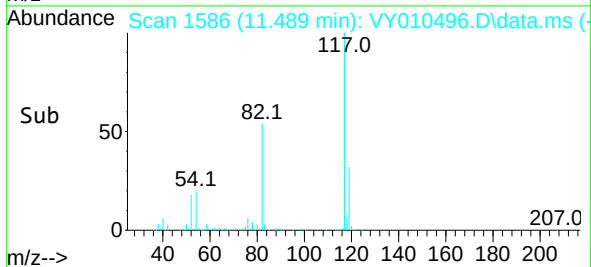
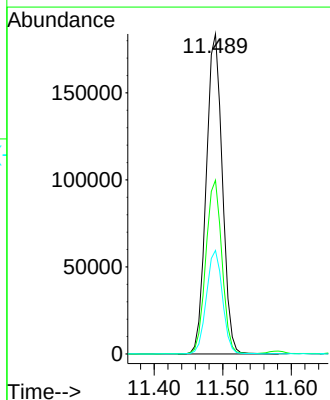
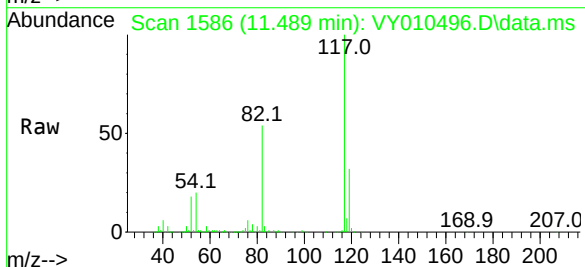
Instrument :
MSVOA_Y
ClientSampleId :
OH-SOIL-0913

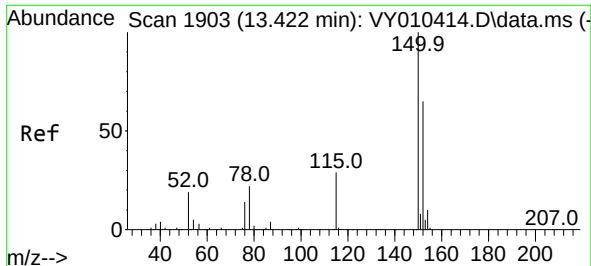
Tgt Ion: 95 Resp: 142333
Ion Ratio Lower Upper
95 100
174 82.2 0.0 177.0
176 79.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Tgt Ion: 117 Resp: 300614
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 32.3 25.4 38.0

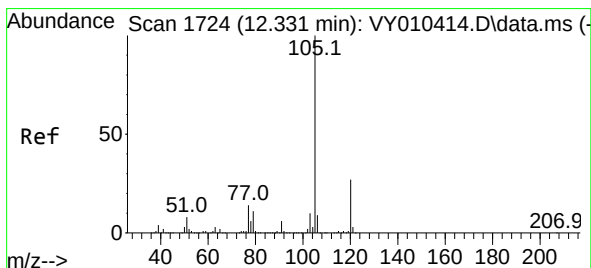
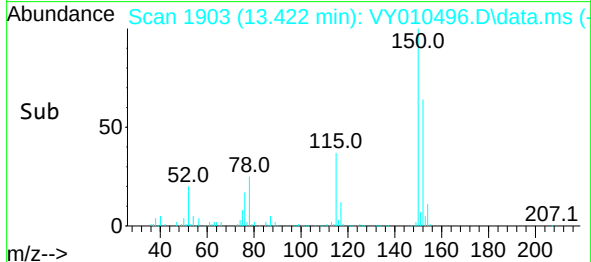
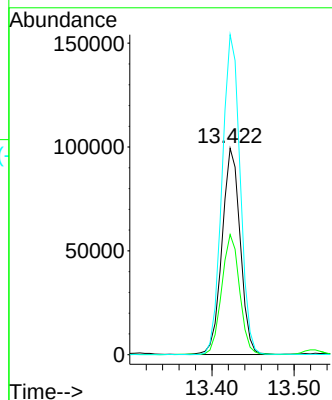
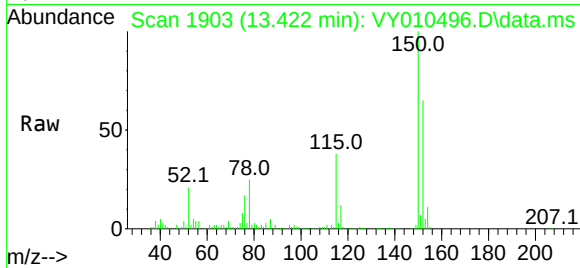




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY010496.D
 Acq: 14 Sep 2022 19:54

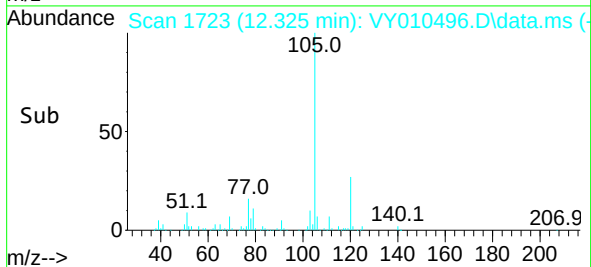
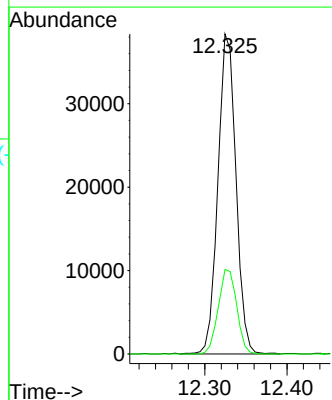
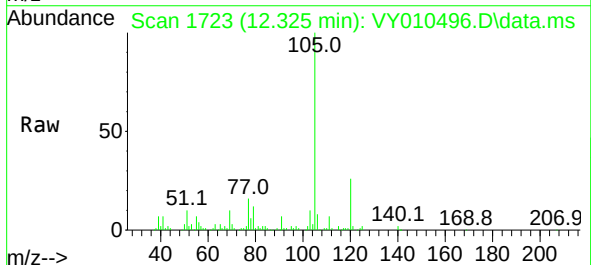
Instrument :
 MSVOA_Y
 ClientSampleId :
 OH-SOIL-0913

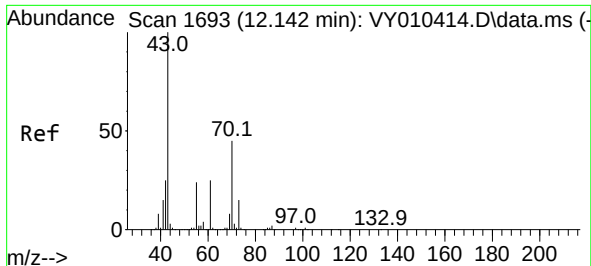
Tgt Ion:152 Resp: 152836
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.2 84.7
 150 154.3 0.0 347.6



#73
 Isopropylbenzene
 Concen: 4.907 ug/l
 RT: 12.325 min Scan# 1723
 Delta R.T. -0.006 min
 Lab File: VY010496.D
 Acq: 14 Sep 2022 19:54

Tgt Ion:105 Resp: 58517
 Ion Ratio Lower Upper
 105 100
 120 26.9 13.4 40.2

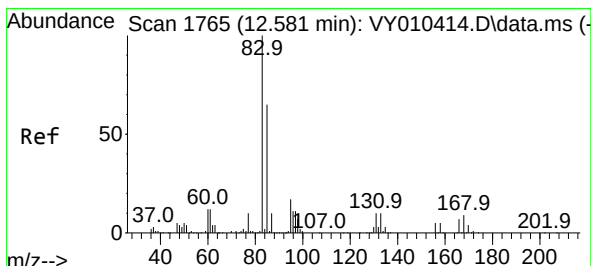
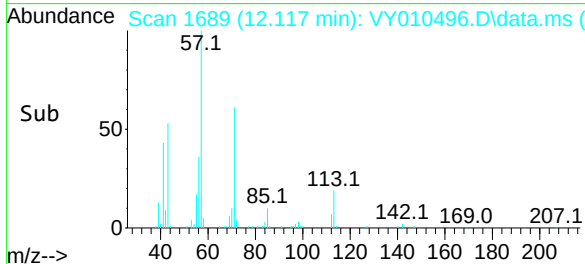
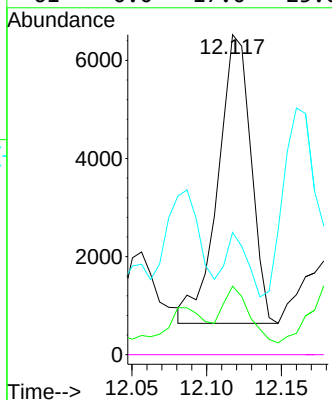
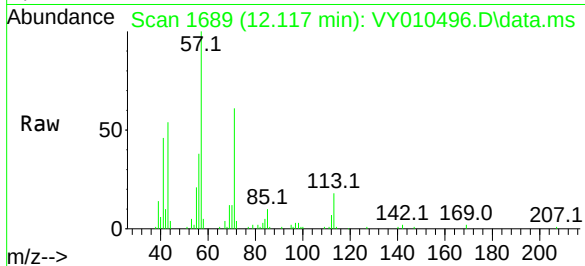




#74
N-amy1 acetate
Concen: 3.252 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

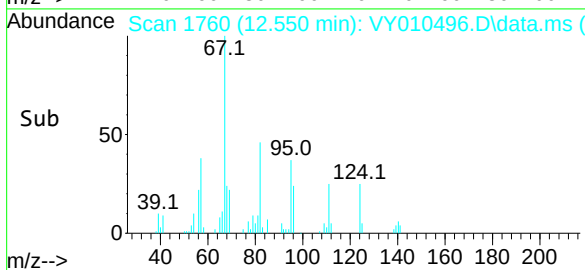
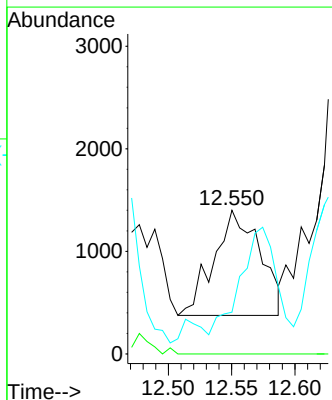
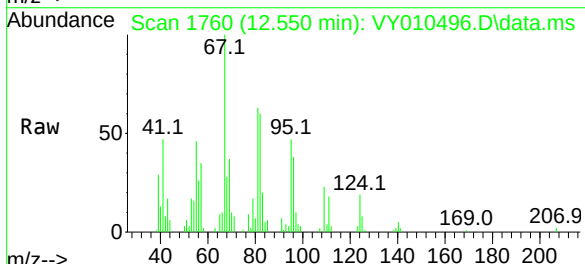
Instrument :
MSVOA_Y
ClientSampleId :
OH-SOIL-0913

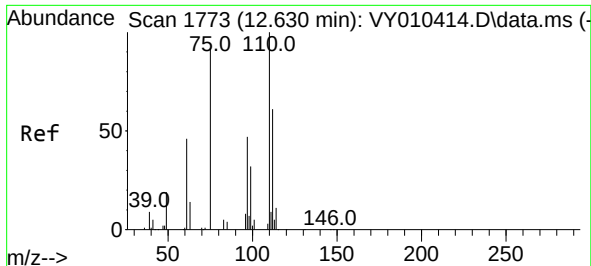
Tgt Ion: 43	Resp: 9049
Ion Ratio	Lower Upper
43 100	
70 15.1	28.7 43.1#
55 14.3	17.3 25.9#
61 0.0	17.0 25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.166 ug/l
RT: 12.550 min Scan# 1760
Delta R.T. -0.031 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Tgt Ion: 83	Resp: 2602		
Ion Ratio	Lower	Upper	
83 100			
131 0.0	5.6	16.8#	
85 0.0	32.3	96.8#	

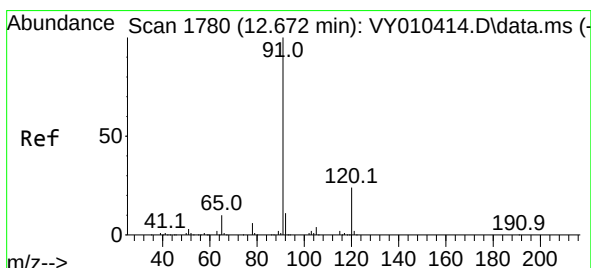
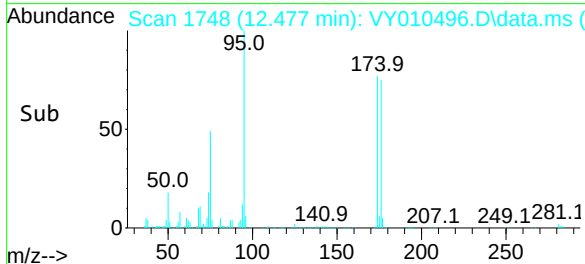
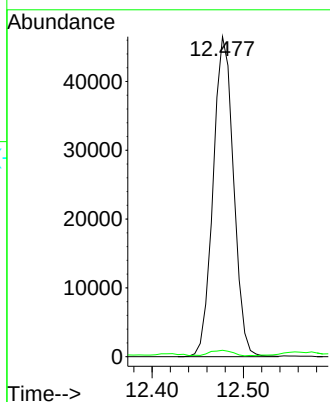
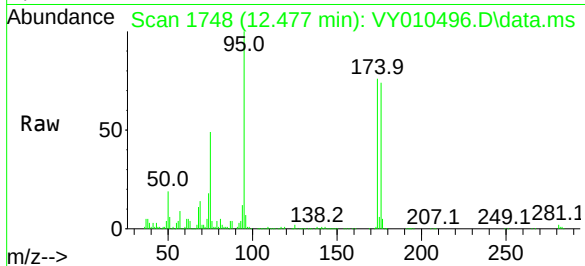




#76
1,2,3-Trichloropropane
Concen: 43.008 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

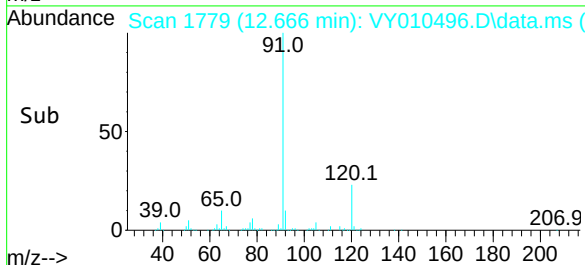
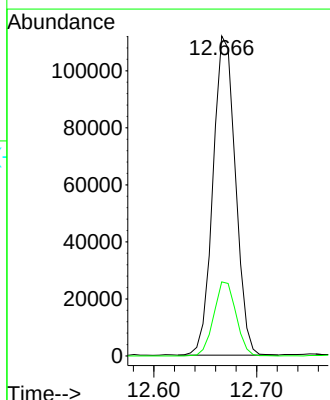
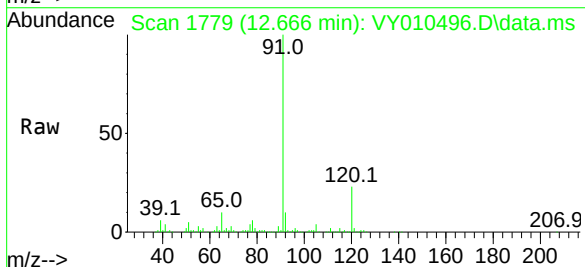
Instrument :
MSVOA_Y
ClientSampleId :
OH-SOIL-0913

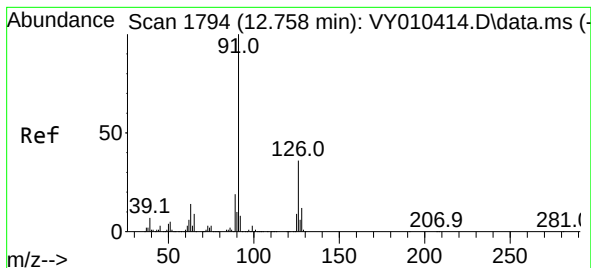
Tgt Ion: 75 Resp: 72545
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#78
n-propylbenzene
Concen: 12.021 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Tgt Ion: 91 Resp: 169745
Ion Ratio Lower Upper
91 100
120 23.0 11.3 33.9

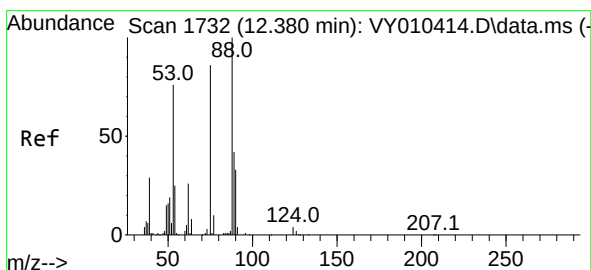
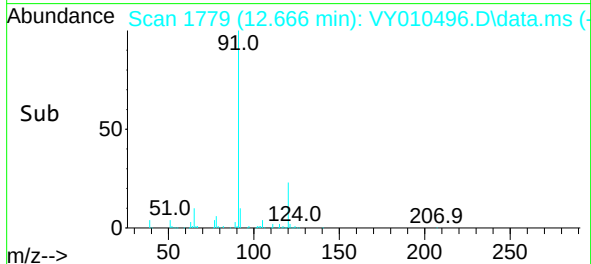
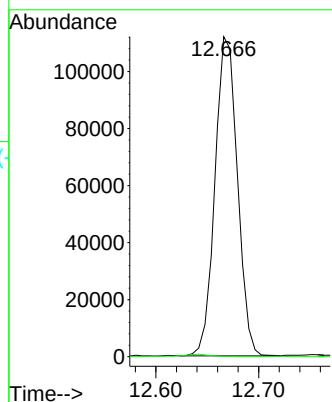
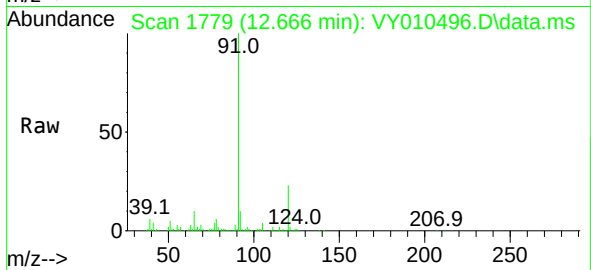




#79
2-Chlorotoluene
Concen: 21.400 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.092 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

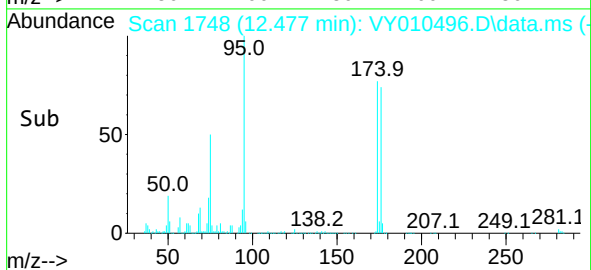
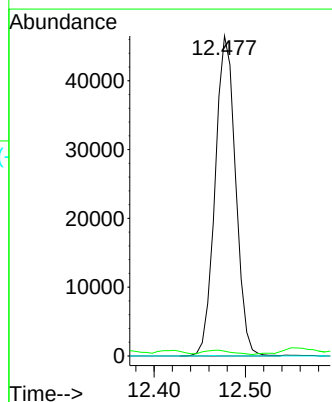
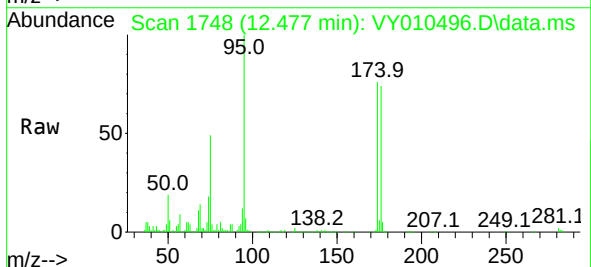
Instrument :
MSVOA_Y
ClientSampleId :
OH-SOIL-0913

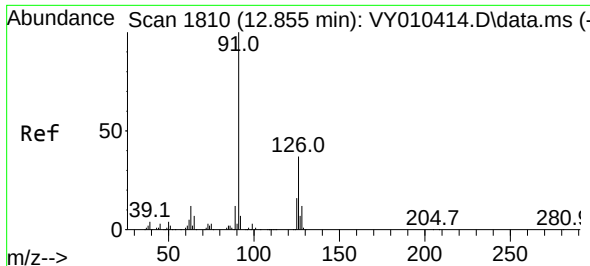
Tgt Ion: 91 Resp: 169745
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.492 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Tgt Ion: 75 Resp: 72545
Ion Ratio Lower Upper
75 100
53 1.8 85.3 127.9#
89 0.0 37.0 55.4#

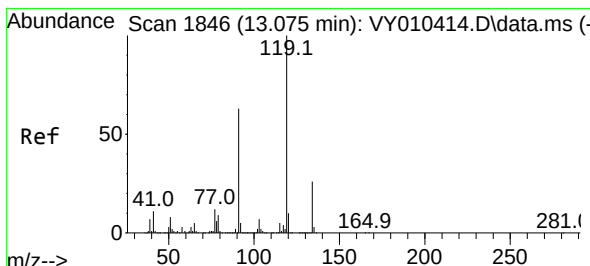
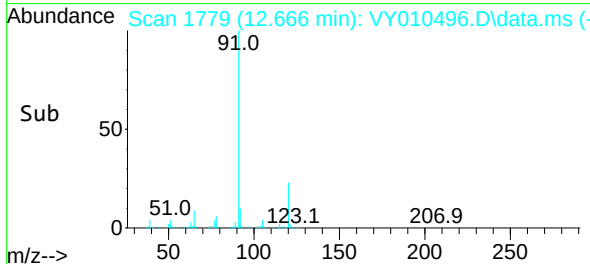
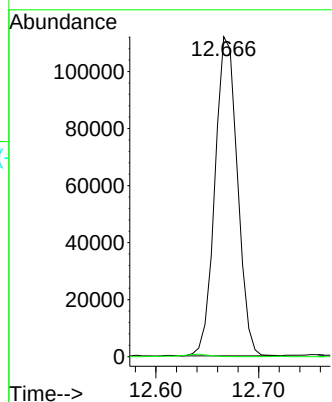
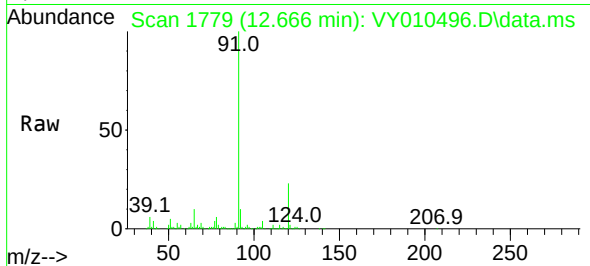




#82
4-Chlorotoluene
Concen: 20.570 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.189 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

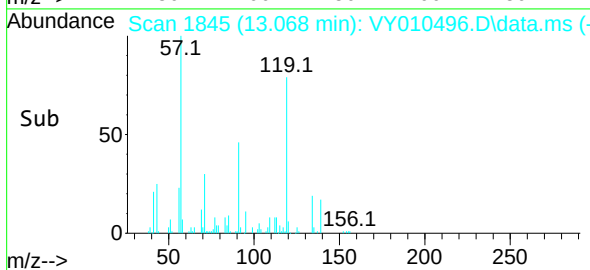
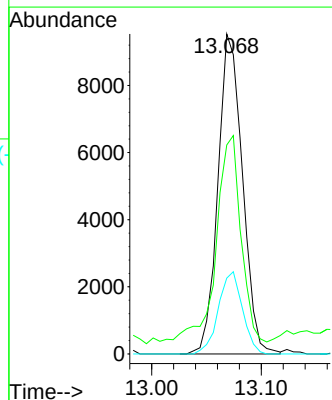
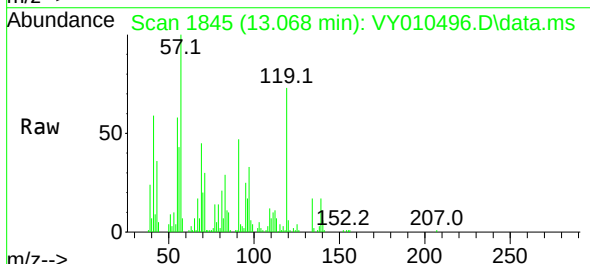
Instrument :
MSVOA_Y
ClientSampleId :
OH-SOIL-0913

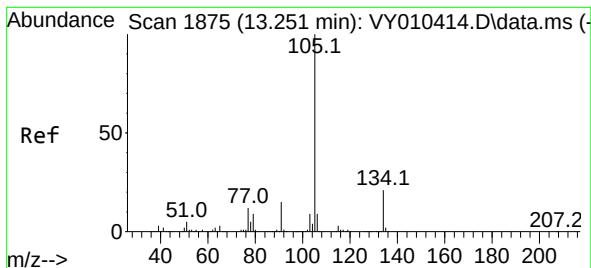
Tgt Ion: 91 Resp: 169745
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#83
tert-Butylbenzene
Concen: 1.684 ug/l
RT: 13.068 min Scan# 1845
Delta R.T. -0.007 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Tgt Ion: 119 Resp: 14807
Ion Ratio Lower Upper
119 100
91 67.7 34.8 104.4
134 25.2 13.3 39.9





#85

sec-Butylbenzene

Concen: 11.203 ug/l

RT: 13.251 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010496.D

Acq: 14 Sep 2022 19:54

Instrument :

MSVOA_Y

ClientSampleId :

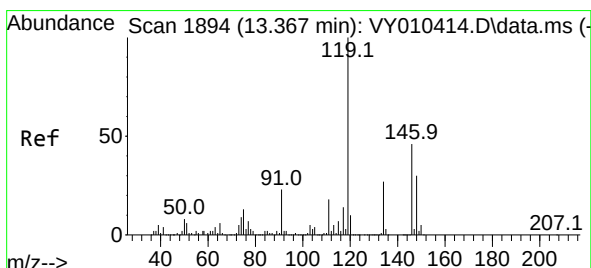
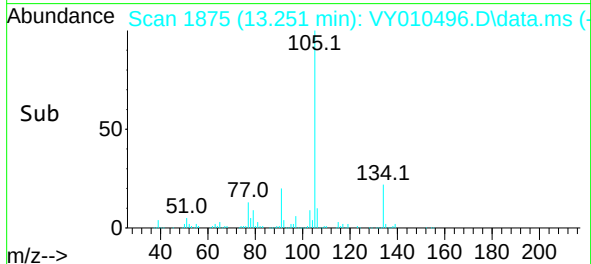
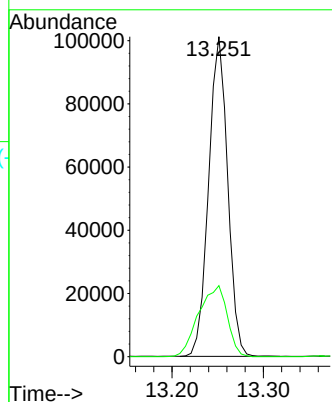
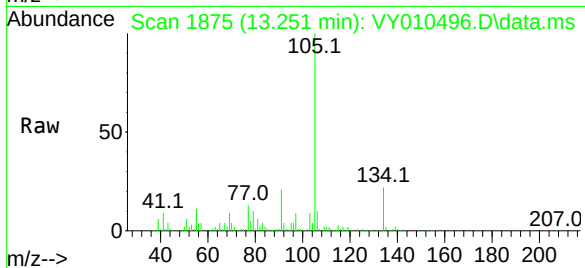
OH-SOIL-0913

Tgt Ion:105 Resp: 145881

Ion Ratio Lower Upper

105 100

134 33.4 10.2 30.4#



#86

p-Isopropyltoluene

Concen: 3.787 ug/l

RT: 13.526 min Scan# 1920

Delta R.T. 0.159 min

Lab File: VY010496.D

Acq: 14 Sep 2022 19:54

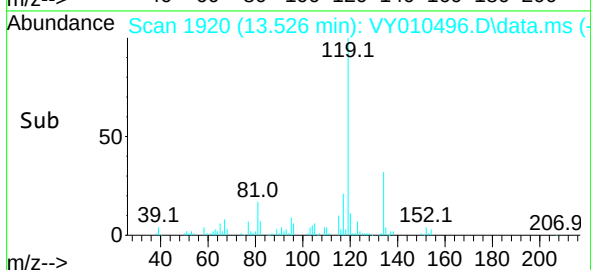
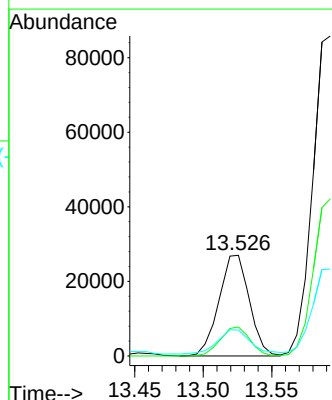
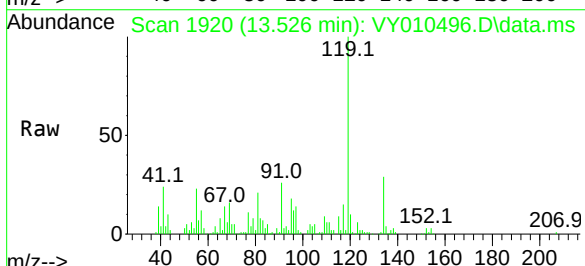
Tgt Ion:119 Resp: 41709

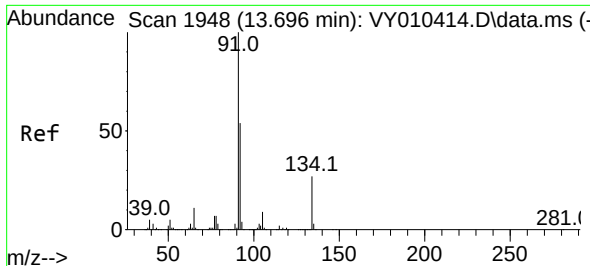
Ion Ratio Lower Upper

119 100

134 28.2 13.2 39.5

91 26.0 12.4 37.2

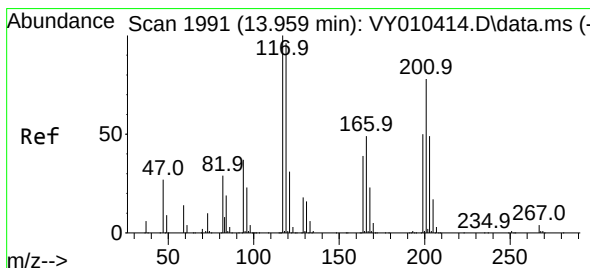
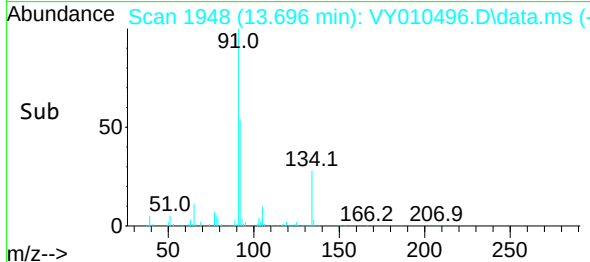
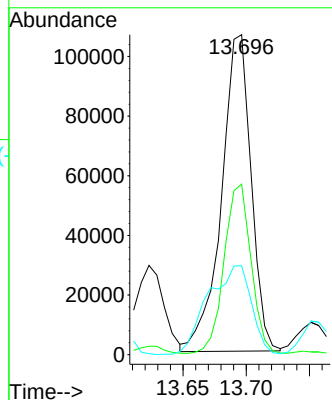
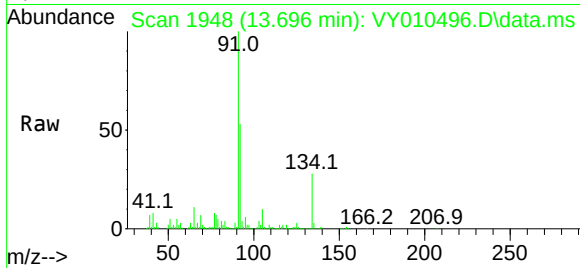




#89
n-Butylbenzene
Concen: 17.325 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

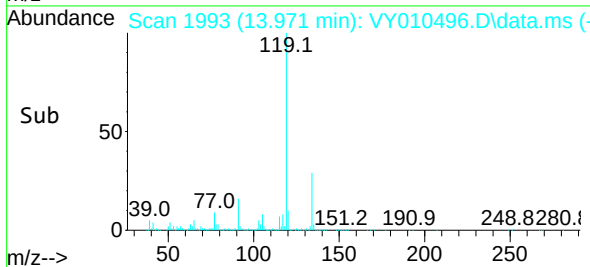
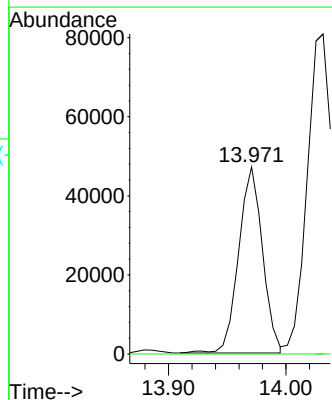
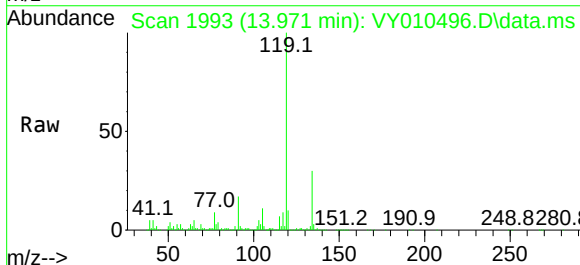
Instrument :
MSVOA_Y
ClientSampleId :
OH-SOIL-0913

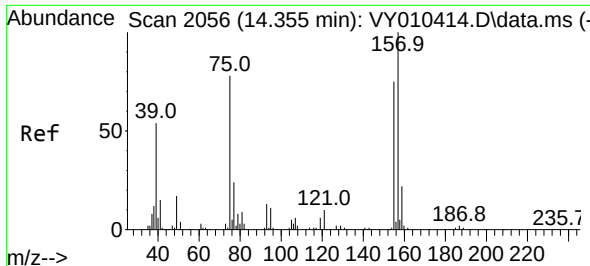
Tgt Ion: 91 Resp: 173219
Ion Ratio Lower Upper
91 100
92 48.4 26.3 78.9
134 41.1 13.0 38.9#



#90
Hexachloroethane
Concen: 32.099 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Tgt Ion: 117 Resp: 66384
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#

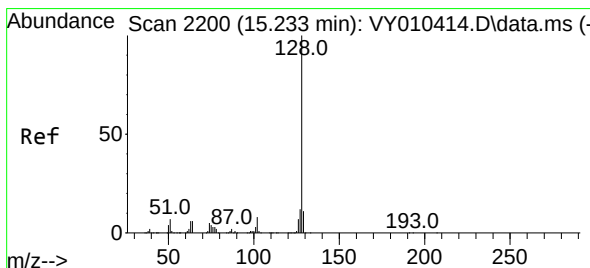
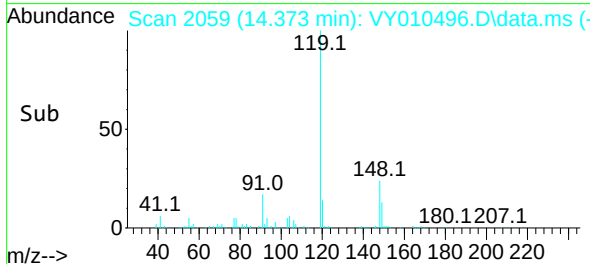
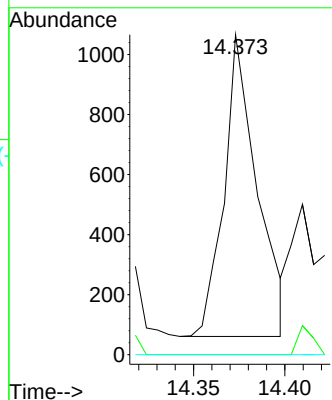
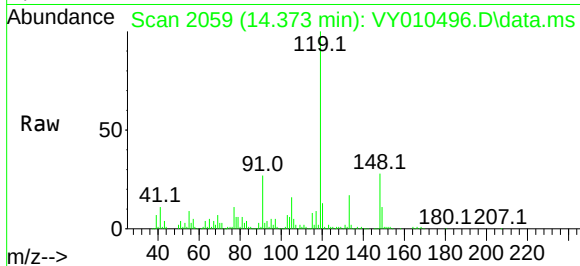




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.352 ug/l
RT: 14.373 min Scan# 2059
Delta R.T. 0.018 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Instrument :
MSVOA_Y
ClientSampleId :
OH-SOIL-0913

Tgt Ion: 75 Resp: 1262
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#



#95
Naphthalene
Concen: 2.233 ug/l
RT: 15.202 min Scan# 2195
Delta R.T. -0.031 min
Lab File: VY010496.D
Acq: 14 Sep 2022 19:54

Tgt Ion: 128 Resp: 13748
Ion Ratio Lower Upper
128 100
127 40.6 11.0 16.4#
129 64.3 8.4 12.6#

