

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122122\
 Data File : VY011940.D
 Acq On : 21 Dec 2022 12:40
 Operator : KP/MD
 Sample : N6067-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-SOIL-20221214

Quant Time: Dec 22 00:12:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

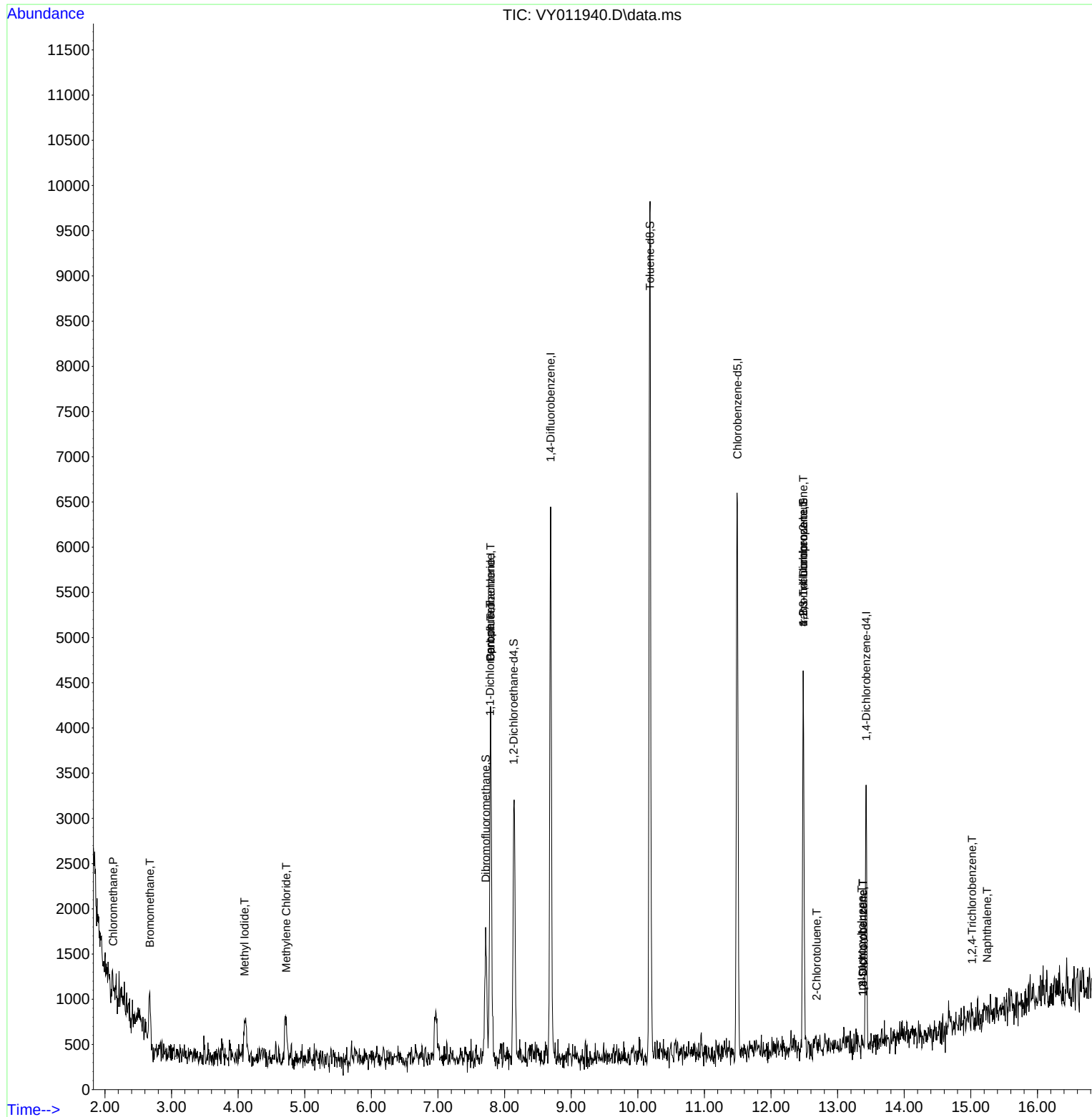
Internal Standards						
1) Pentafluorobenzene	7.789	168	3372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	5521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	4209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	2517	74.090	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 148.180%			
35) Dibromofluoromethane	7.716	113	1199	36.073	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 72.140%			
50) Toluene-d8	10.185	98	6993	51.856	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.483	95	1655	36.490	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 72.980%			
Target Compounds						Qvalue
3) Chloromethane	2.125	50	154	5.131	ug/l #	41
5) Bromomethane	2.674	94	312	13.251	ug/l #	73
10) Methyl Iodide	4.094	142	730	16.543	ug/l #	85
20) Methylene Chloride	4.722	84	350	3.329	ug/l #	64
36) 1,1-Dichloropropene	7.783	75	183	3.432	ug/l #	41
38) Carbon Tetrachloride	7.789	117	289	4.694	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	786	59.367	ug/l #	100
79) 2-Chlorotoluene	12.684	91	75	1.406	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.483	75	786	162.576	ug/l #	13
86) p-Isopropyltoluene	13.361	119	89	1.233	ug/l #	50
87) 1,3-Dichlorobenzene	13.379	146	40	1.089	ug/l #	25
88) 1,4-Dichlorobenzene	13.379	146	40	1.095	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.019	180	50	2.654	ug/l #	12
95) Naphthalene	15.245	128	98	5.140	ug/l #	69

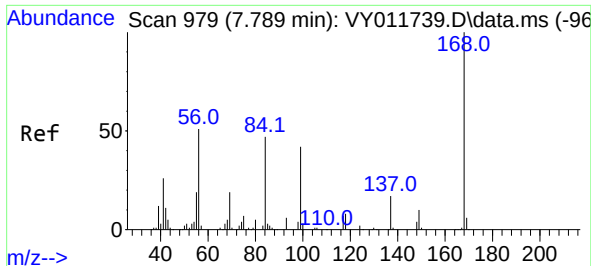
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122122\
Data File : VY011940.D
Acq On : 21 Dec 2022 12:40
Operator : KP/MD
Sample : N6067-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20221214

Quant Time: Dec 22 00:12:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration

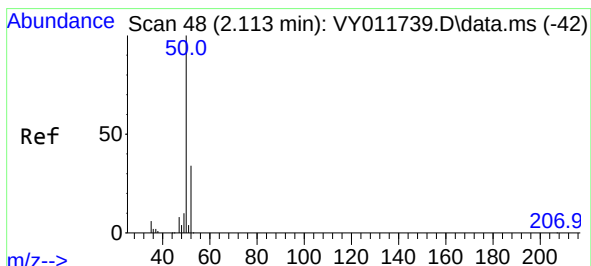
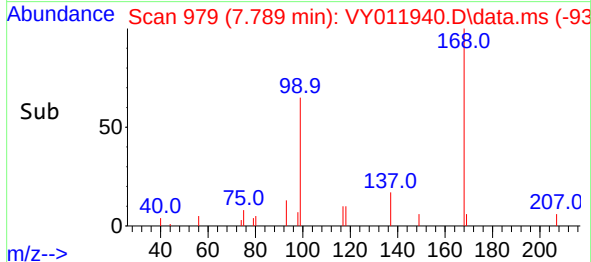
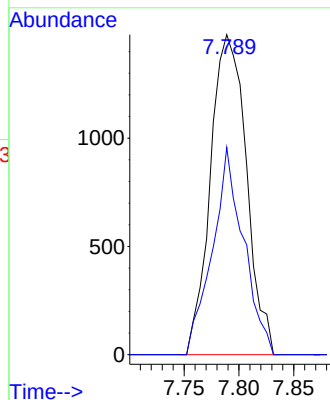
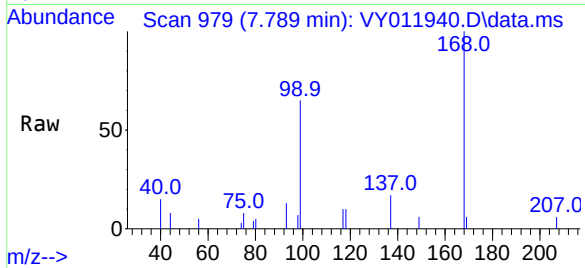




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

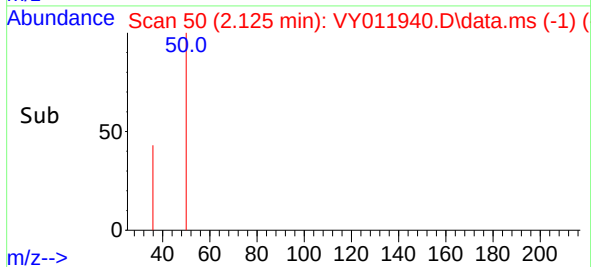
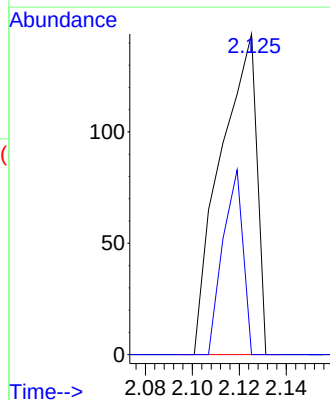
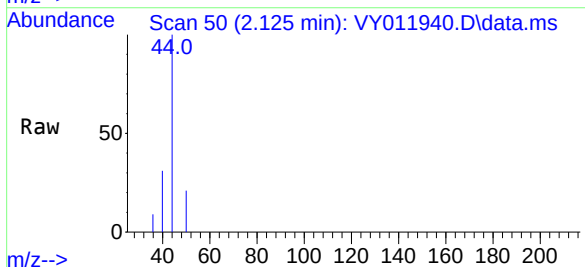
Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20221214

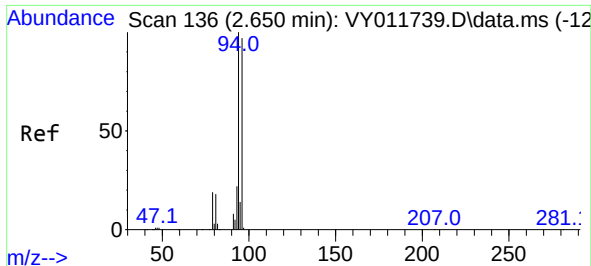
Tgt Ion:168 Resp: 3372
Ion Ratio Lower Upper
168 100
99 64.7 44.0 66.0



#3
Chloromethane
Concen: 5.131 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

Tgt Ion: 50 Resp: 154
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

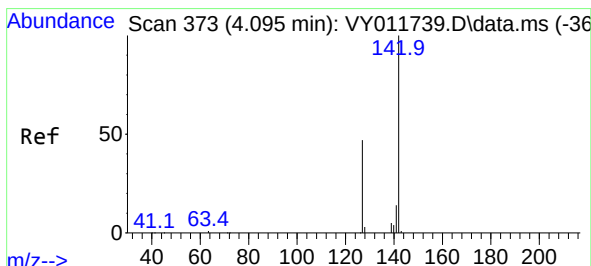
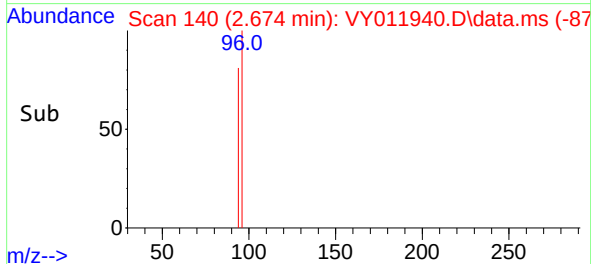
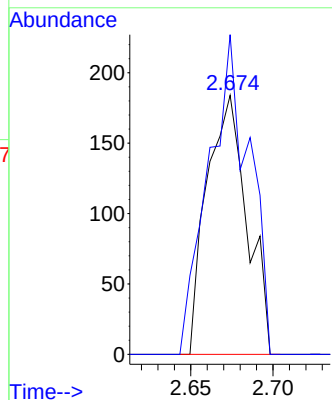
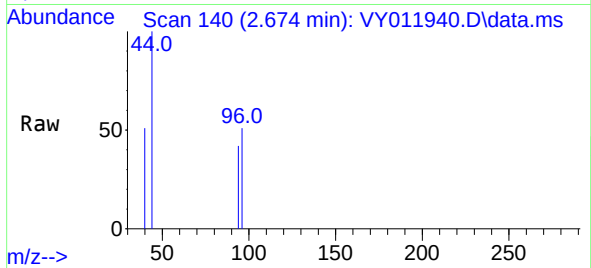




#5
Bromomethane
Concen: 13.251 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

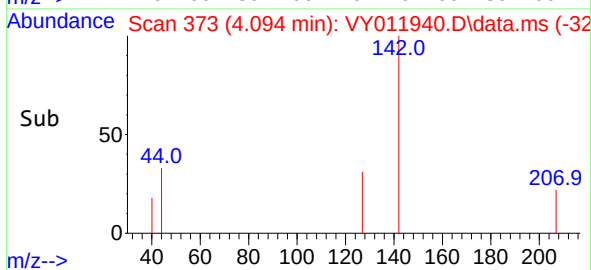
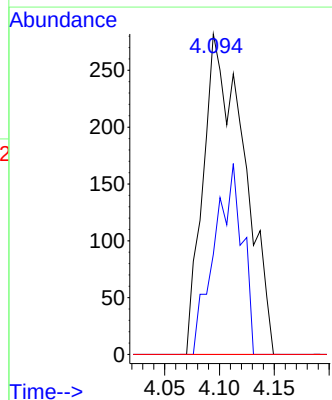
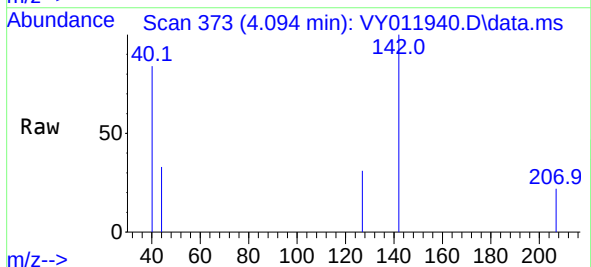
Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20221214

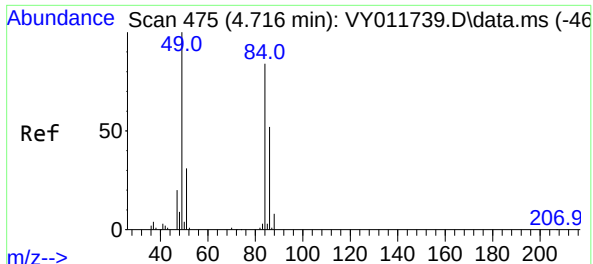
Tgt Ion: 94 Resp: 312
Ion Ratio Lower Upper
94 100
96 123.4 77.4 116.2#



#10
Methyl Iodide
Concen: 16.543 ug/l
RT: 4.094 min Scan# 373
Delta R.T. -0.001 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

Tgt Ion:142 Resp: 730
Ion Ratio Lower Upper
142 100
127 40.7 37.0 55.4
141 0.0 11.4 17.0#



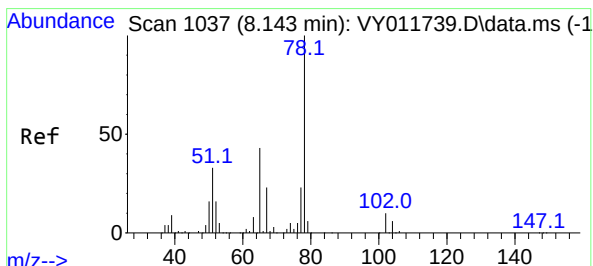
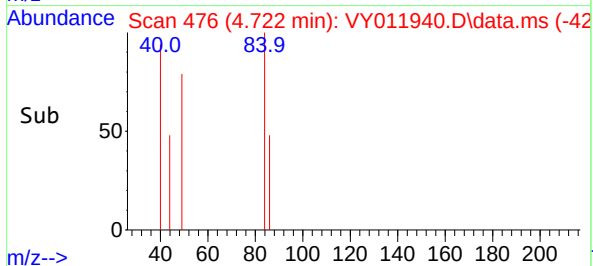
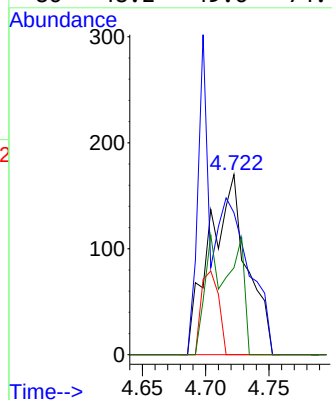
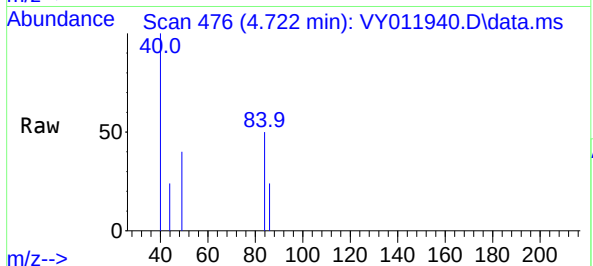


#20
Methylene Chloride
Concen: 3.329 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20221214

Tgt Ion: 84 Resp: 350

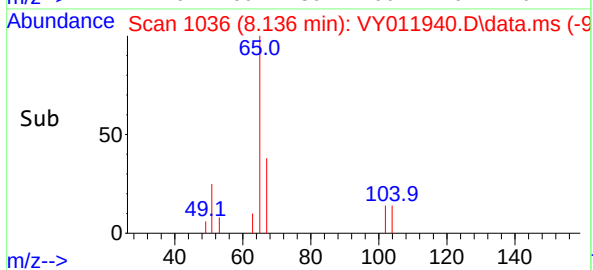
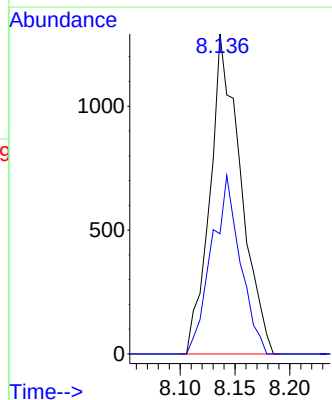
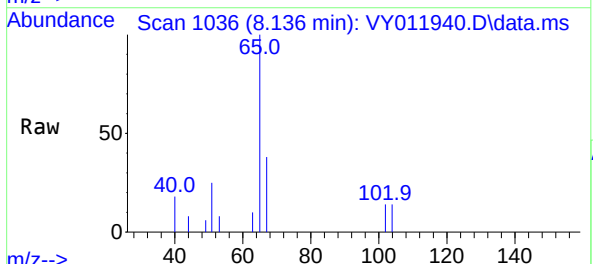
Ion	Ratio	Lower	Upper
84	100		
49	78.8	95.4	143.2#
51	0.0	29.9	44.9#
86	48.2	49.6	74.4#

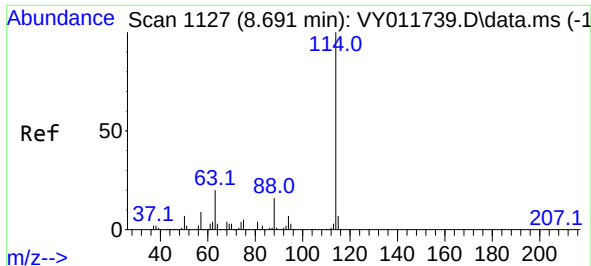


#33
1,2-Dichloroethane-d4
Concen: 74.090 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

Tgt Ion: 65 Resp: 2517

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011940.D

Acq: 21 Dec 2022 12:40

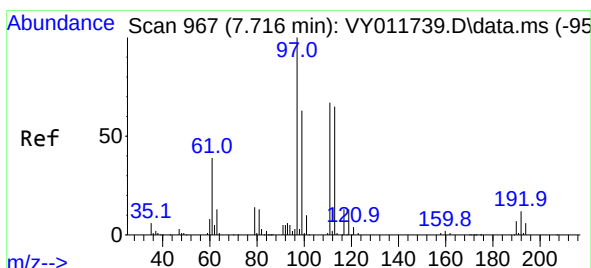
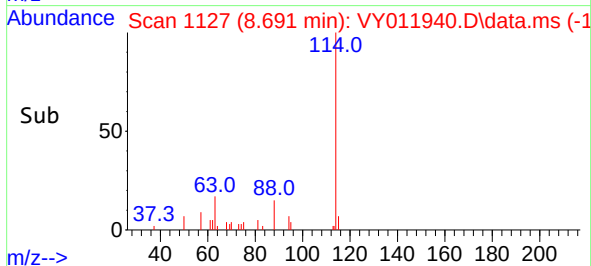
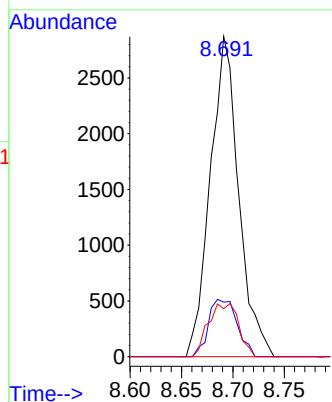
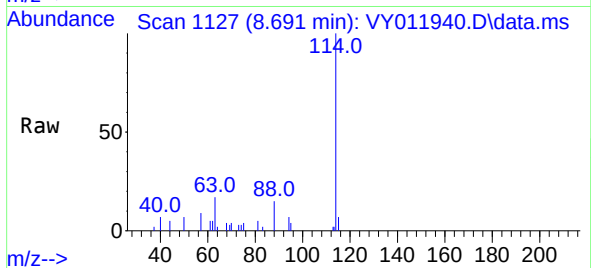
Instrument :

MSVOA_Y

ClientSampleId :

WC-SOIL-20221214

Tgt Ion:	114	Resp:	5521
Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	39.6
88	15.0	0.0	32.2



#35

Dibromofluoromethane

Concen: 36.073 ug/l

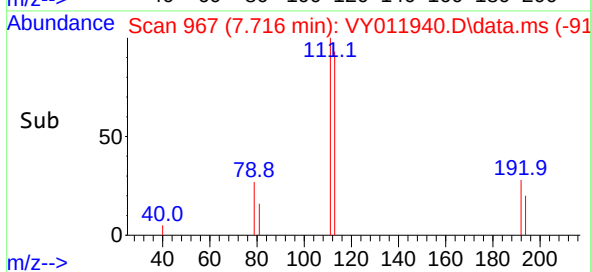
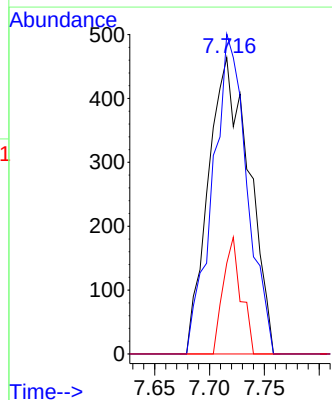
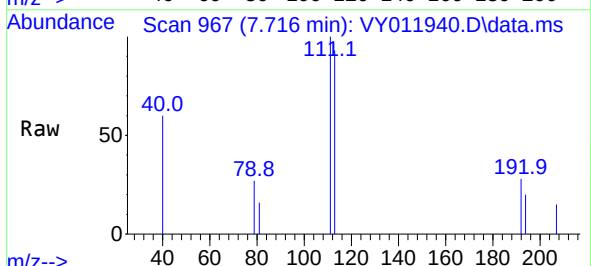
RT: 7.716 min Scan# 967

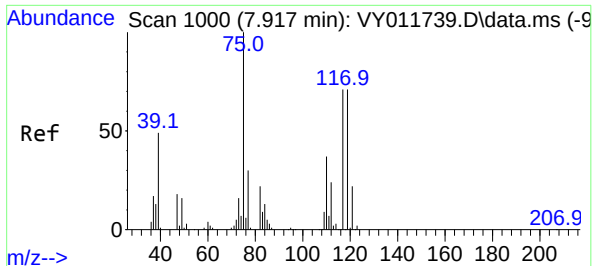
Delta R.T. -0.000 min

Lab File: VY011940.D

Acq: 21 Dec 2022 12:40

Tgt Ion:	113	Resp:	1199
Ion	Ratio	Lower	Upper
113	100		
111	91.2	83.0	124.4
192	17.3	16.0	24.0





#36

1,1-Dichloropropene

Concen: 3.432 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011940.D

Acq: 21 Dec 2022 12:40

Instrument :

MSVOA_Y

ClientSampleId :

WC-SOIL-20221214

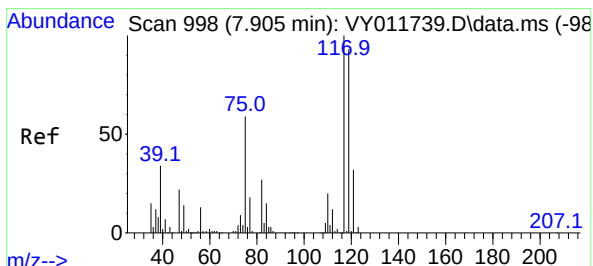
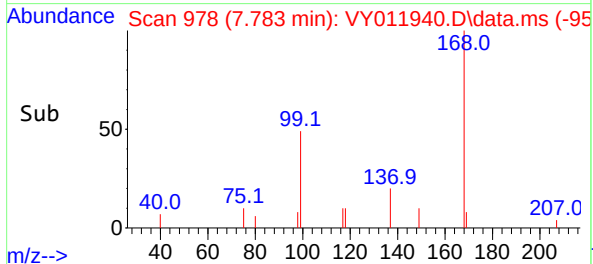
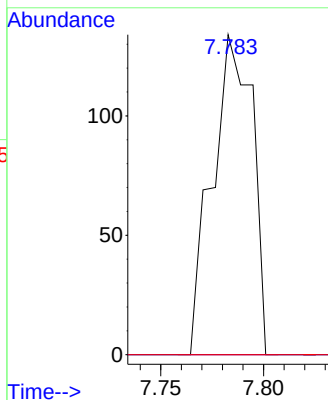
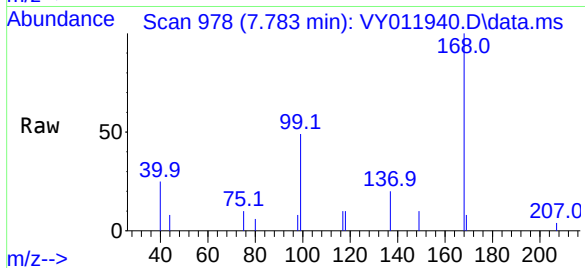
Tgt Ion: 75 Resp: 183

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.694 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011940.D

Acq: 21 Dec 2022 12:40

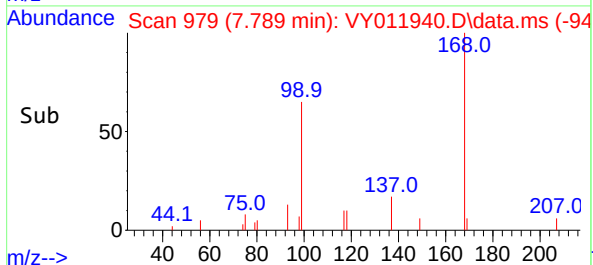
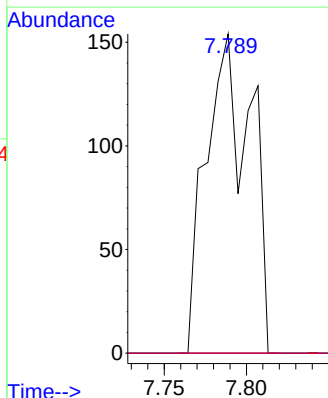
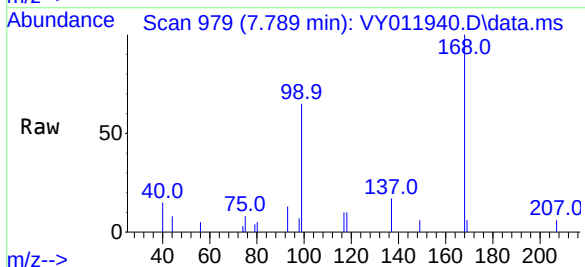
Tgt Ion: 117 Resp: 289

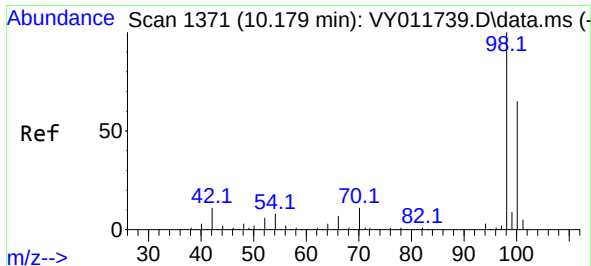
Ion Ratio Lower Upper

117 100

119 0.0 73.8 110.8#

121 0.0 25.2 37.8#

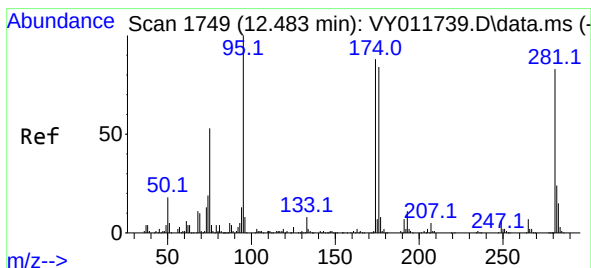
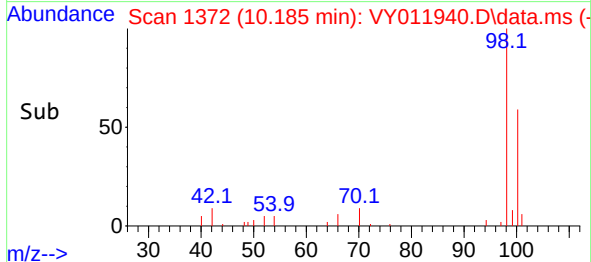
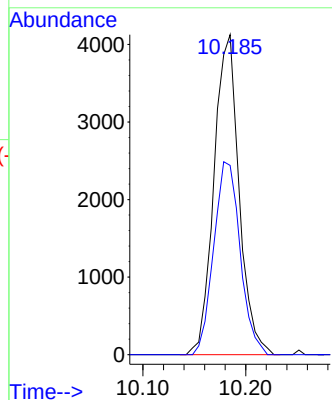
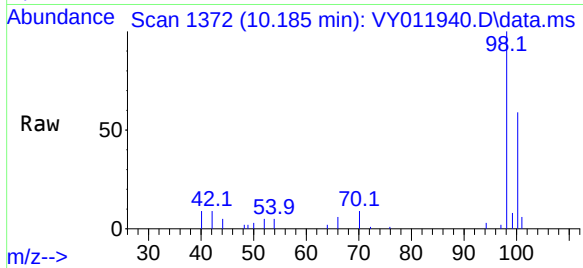




#50
Toluene-d8
Concen: 51.856 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

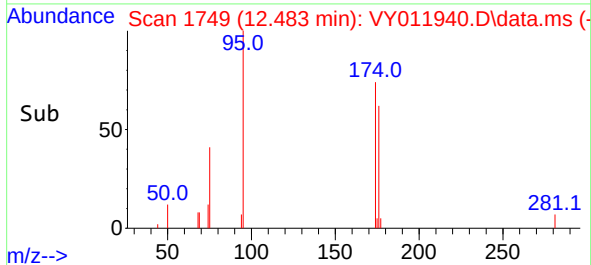
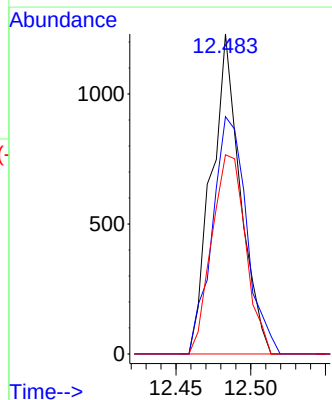
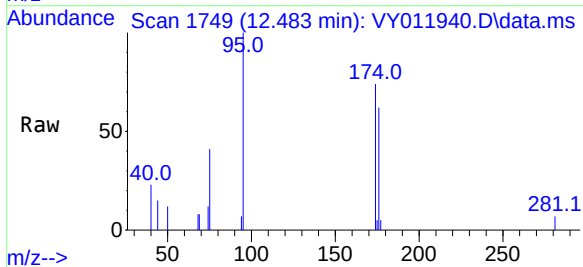
Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20221214

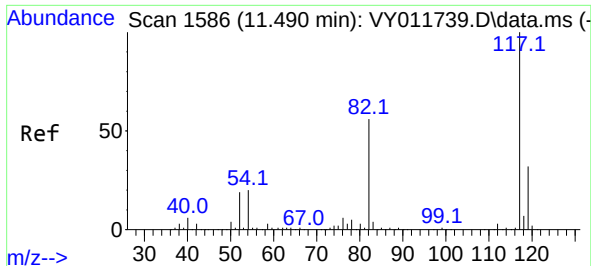
Tgt Ion: 98 Resp: 6993
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 36.490 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

Tgt Ion: 95 Resp: 1655
Ion Ratio Lower Upper
95 100
174 87.9 0.0 172.0
176 72.9 0.0 167.6

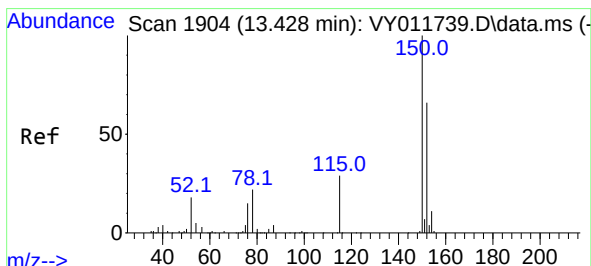
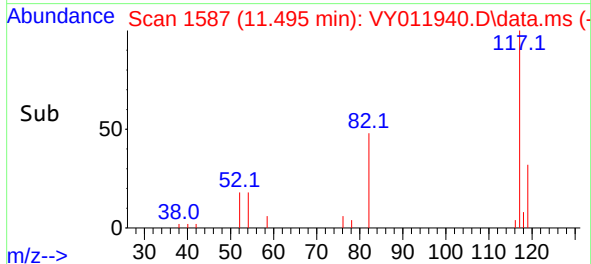
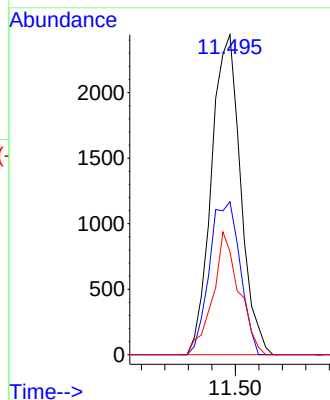
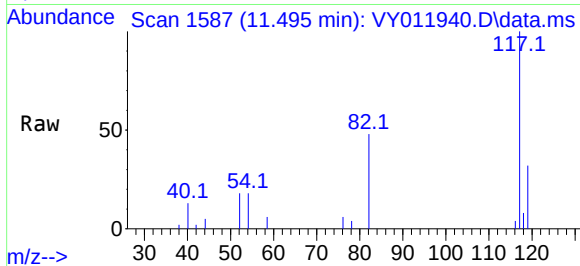




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

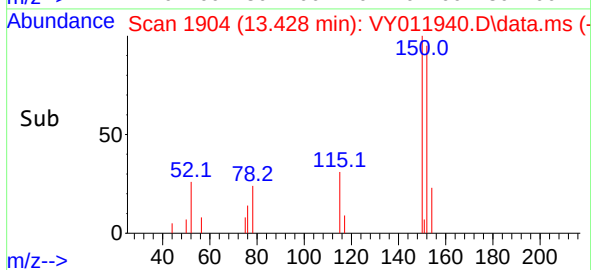
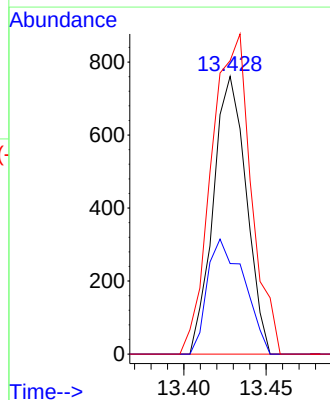
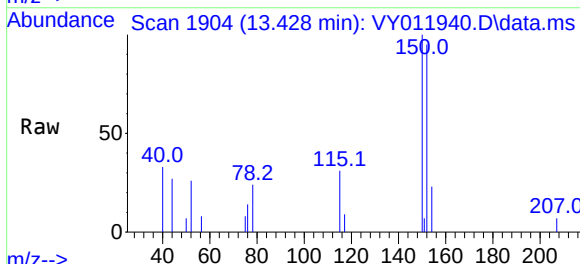
Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20221214

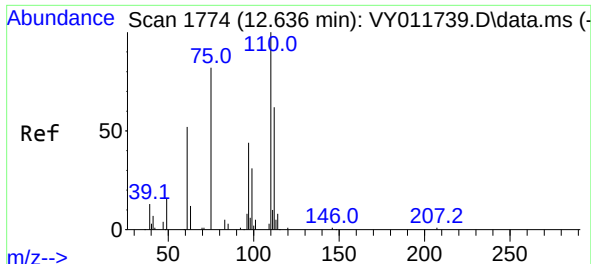
Tgt Ion:117	Resp:	4209
Ion	Ratio	Lower Upper
117	100	
82	47.8	44.8 67.2
119	32.2	25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

Tgt Ion:152	Resp:	1064
Ion	Ratio	Lower Upper
152	100	
115	46.1	29.1 87.3
150	138.3	0.0 342.6

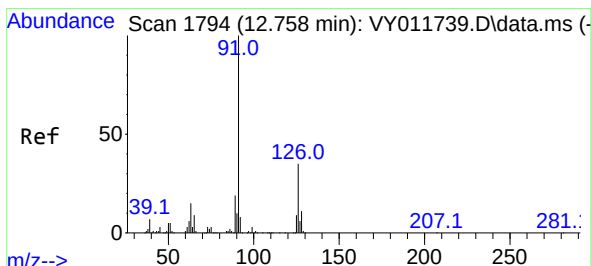
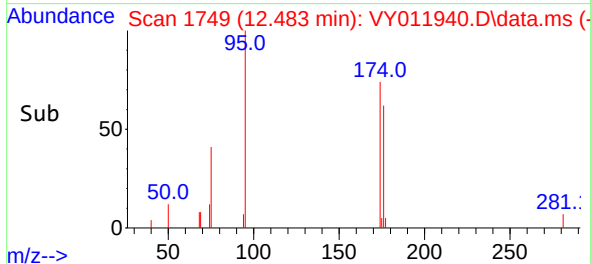
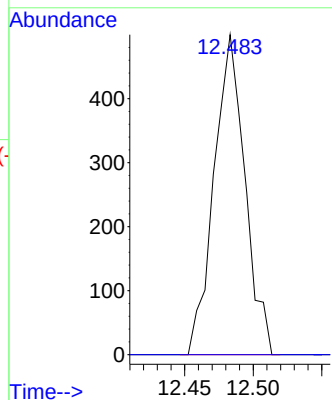
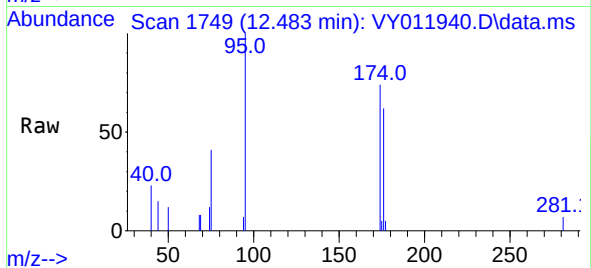




#76
1,2,3-Trichloropropane
Concen: 59.367 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

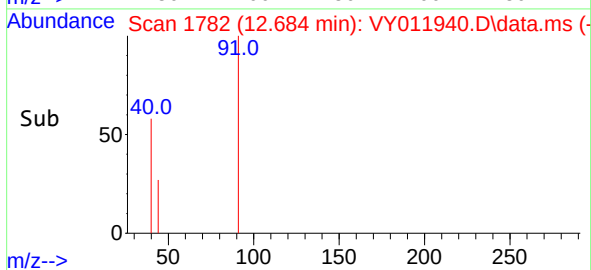
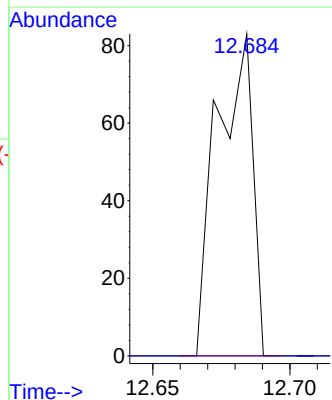
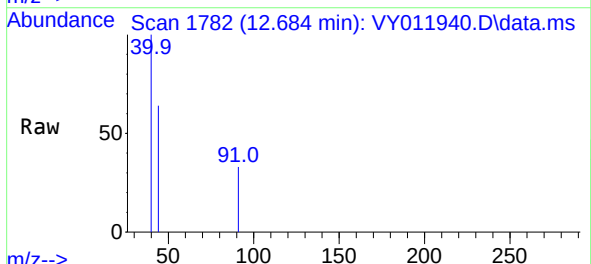
Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20221214

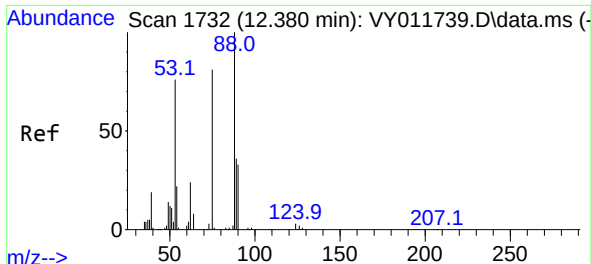
Tgt Ion: 75 Resp: 786
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#79
2-Chlorotoluene
Concen: 1.406 ug/l
RT: 12.684 min Scan# 1782
Delta R.T. -0.073 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

Tgt Ion: 91 Resp: 75
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.5#

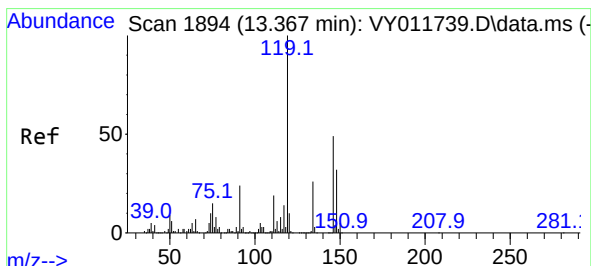
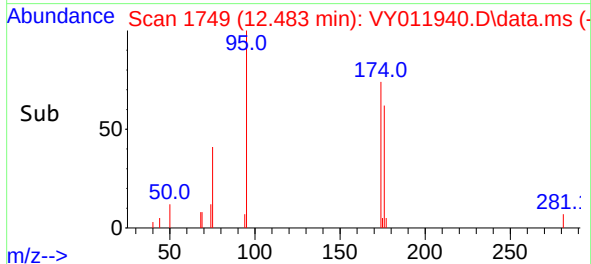
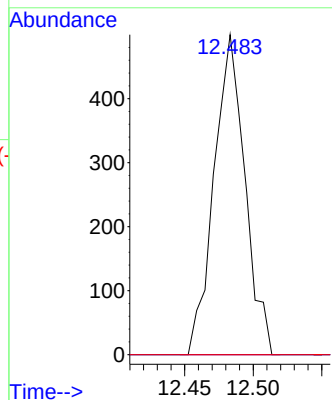
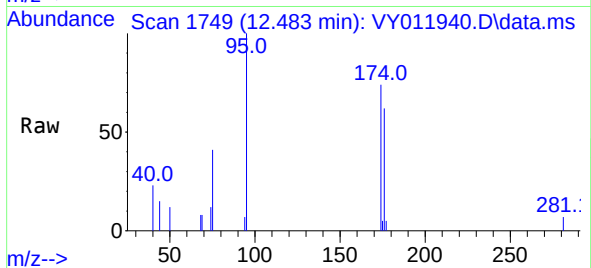




#81
trans-1,4-Dichloro-2-butene
Concen: 162.576 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

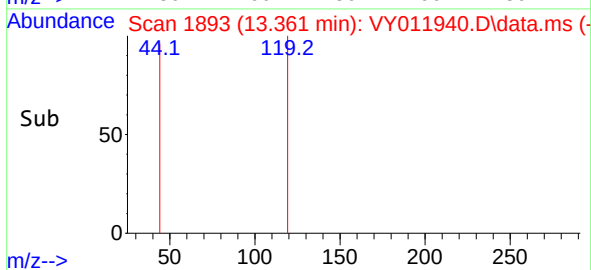
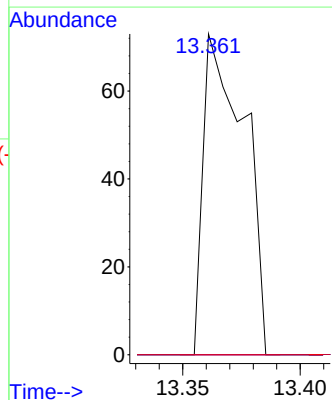
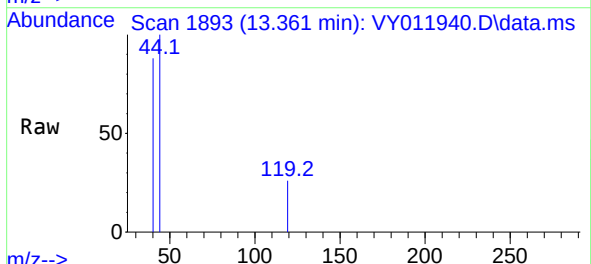
Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20221214

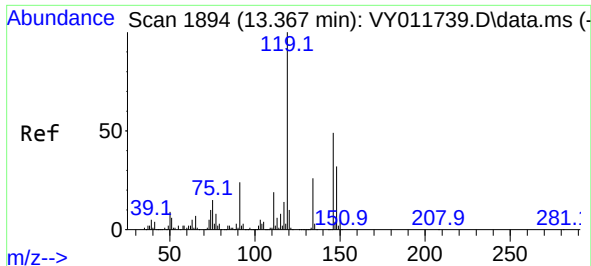
Tgt Ion: 75 Resp: 786
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#86
p-Isopropyltoluene
Concen: 1.233 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

Tgt Ion: 119 Resp: 89
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.9 35.9#





#87

1,3-Dichlorobenzene

Concen: 1.089 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. 0.012 min

Lab File: VY011940.D

Acq: 21 Dec 2022 12:40

Instrument :

MSVOA_Y

ClientSampleId :

WC-SOIL-20221214

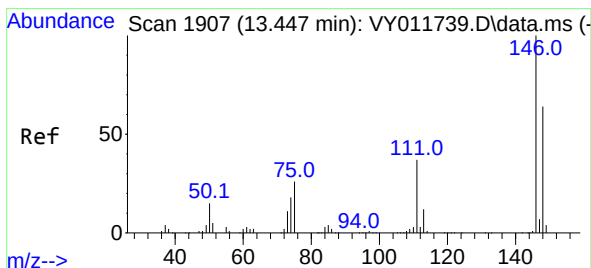
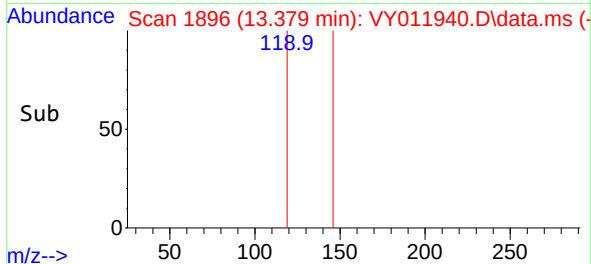
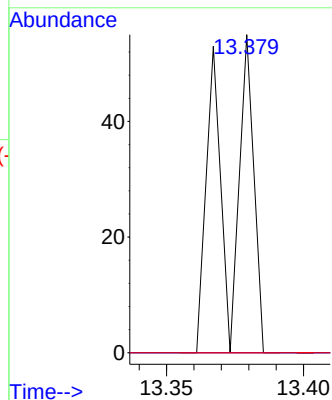
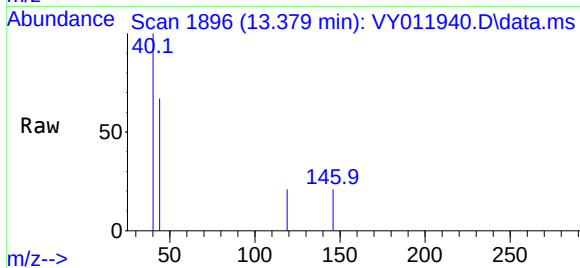
Tgt Ion:146 Resp: 40

Ion Ratio Lower Upper

146 100

111 0.0 19.7 59.0#

148 0.0 32.0 96.0#



#88

1,4-Dichlorobenzene

Concen: 1.095 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. -0.067 min

Lab File: VY011940.D

Acq: 21 Dec 2022 12:40

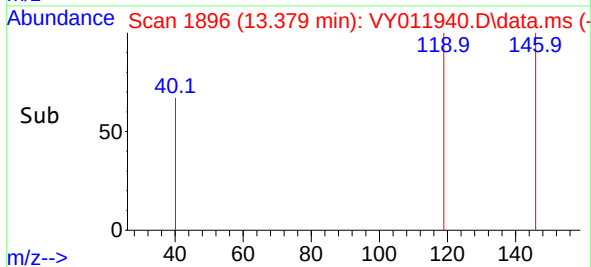
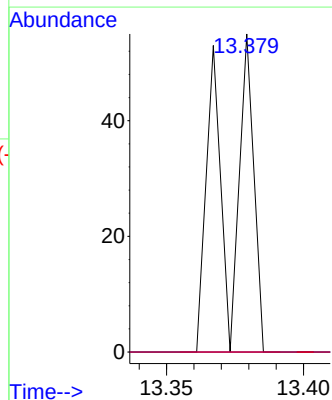
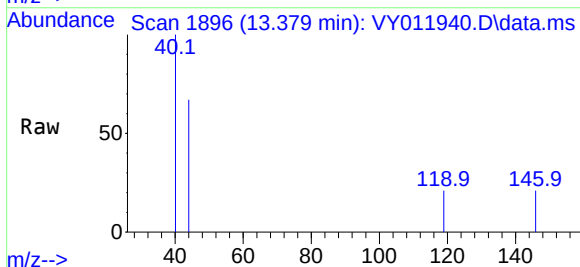
Tgt Ion:146 Resp: 40

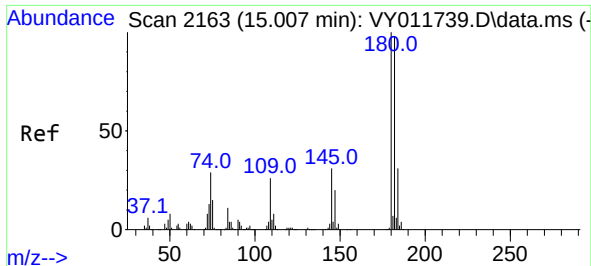
Ion Ratio Lower Upper

146 100

111 0.0 19.6 58.7#

148 0.0 31.9 95.7#

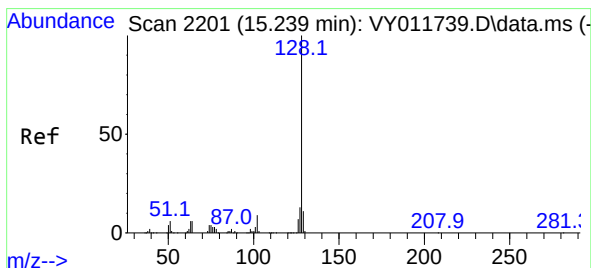
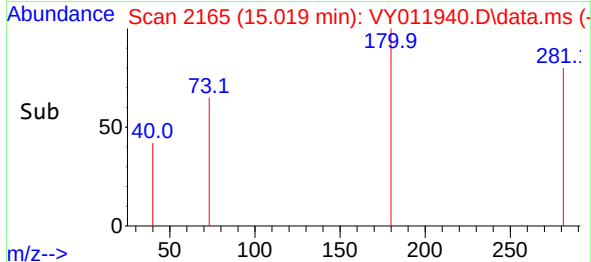
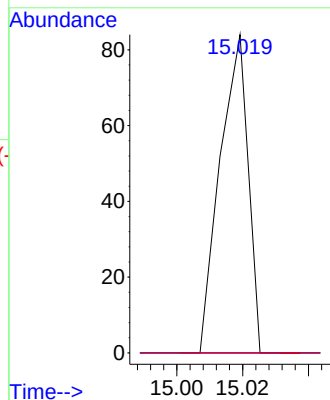
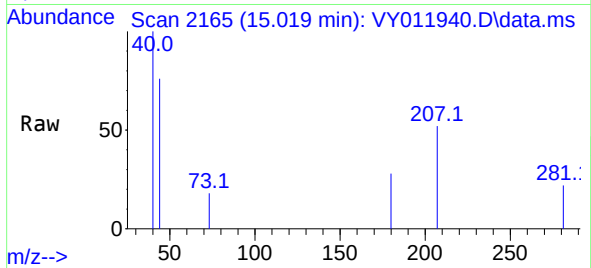




#93
1,2,4-Trichlorobenzene
Concen: 2.654 ug/l
RT: 15.019 min Scan# 2165
Delta R.T. 0.012 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

Instrument :
MSVOA_Y
ClientSampleId :
WC-SOIL-20221214

Tgt Ion:180 Resp: 50
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.3#
145 0.0 15.4 46.4#



#95
Naphthalene
Concen: 5.140 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY011940.D
Acq: 21 Dec 2022 12:40

Tgt Ion:128 Resp: 98
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

