

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015570.D
 Acq On : 15 Sep 2023 15:28
 Operator : SY/MD
 Sample : 04400-01
 Misc : 4.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JOYCE-KILMER-SOIL

Quant Time: Sep 15 16:16:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

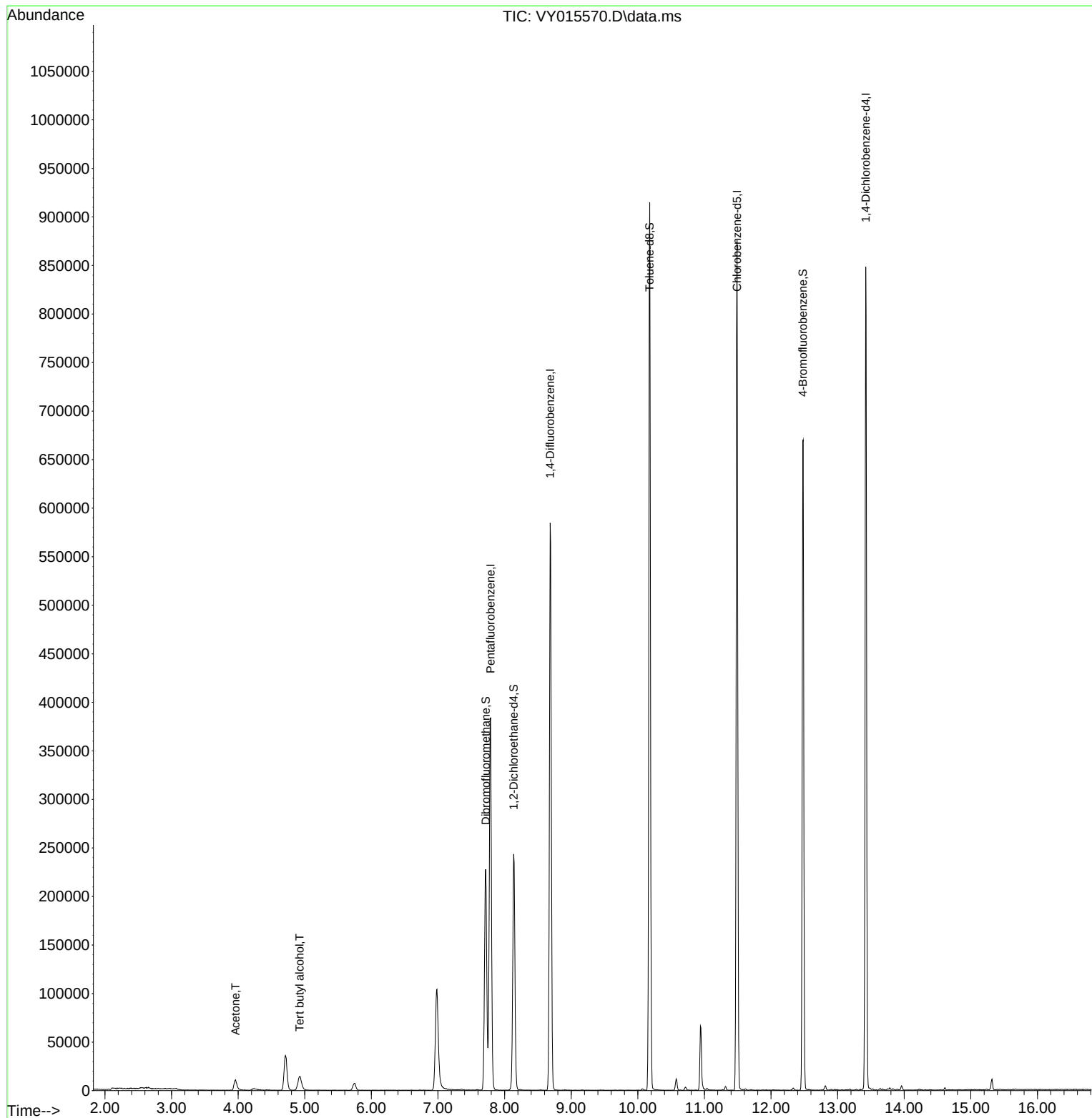
Internal Standards						
1) Pentafluorobenzene	7.789	168	299845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	502684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	465302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	217844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	189389	58.921	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.840%
35) Dibromofluoromethane	7.716	113	161266	55.698	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.400%
50) Toluene-d8	10.179	98	592160	56.476	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.960%
62) 4-Bromofluorobenzene	12.477	95	205717	52.850	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.700%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.923	59	15603	5.516	ug/l #	90
16) Acetone	3.960	43	22054	16.438	ug/l	91

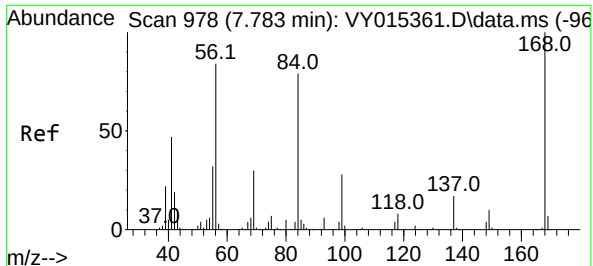
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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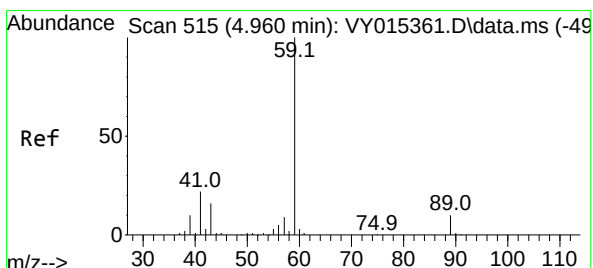
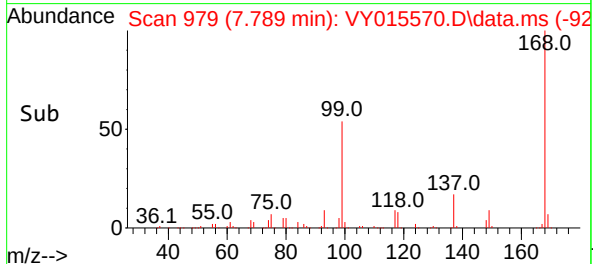
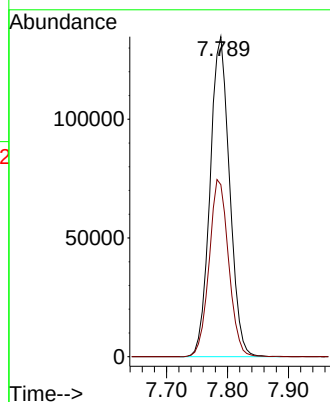
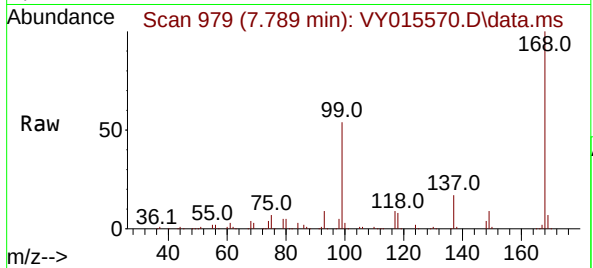




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015570.D
Acq: 15 Sep 2023 15:28

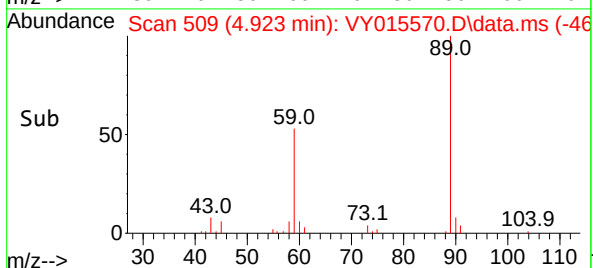
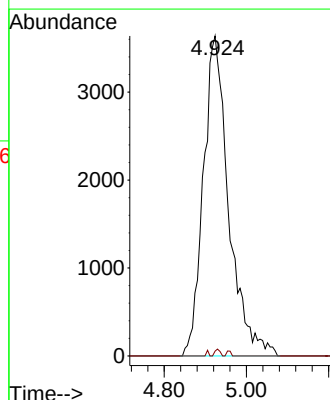
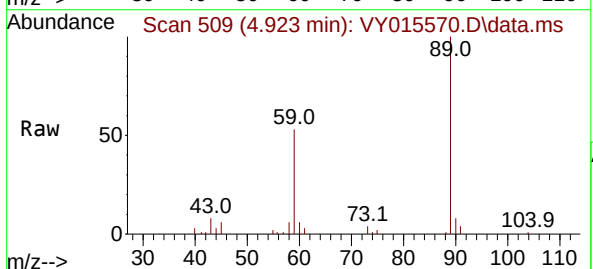
Instrument :
MSVOA_Y
ClientSampleId :
JOYCE-KILMER-SOIL

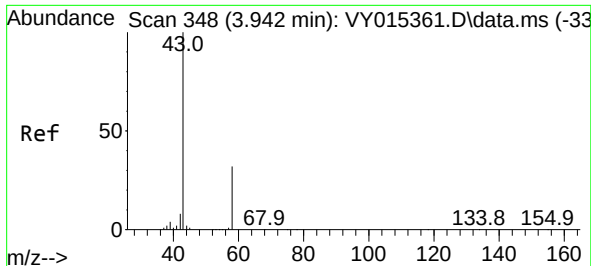
Tgt Ion:168 Resp: 299845
Ion Ratio Lower Upper
168 100
99 53.7 43.4 65.0



#11
Tert butyl alcohol
Concen: 5.516 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY015570.D
Acq: 15 Sep 2023 15:28

Tgt Ion: 59 Resp: 15603
Ion Ratio Lower Upper
59 100
57 0.4 3.0 4.4#





#16

Acetone

Concen: 16.438 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY015570.D

Acq: 15 Sep 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

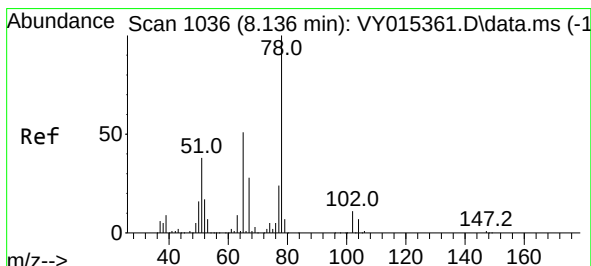
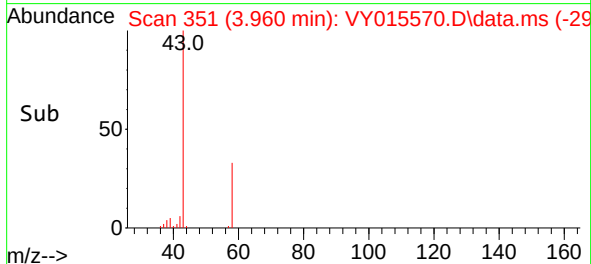
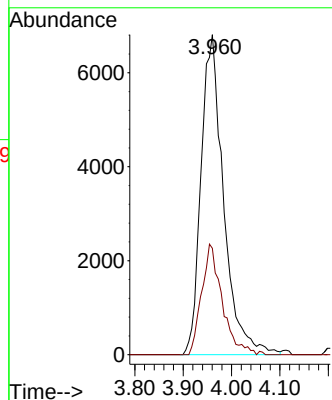
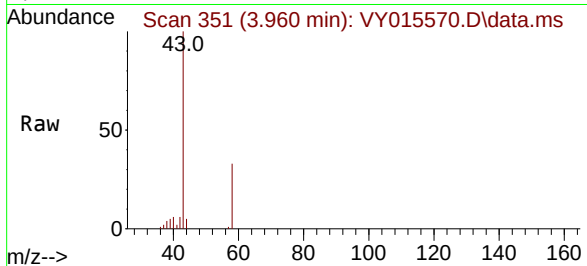
JOYCE-KILMER-SOIL

Tgt Ion: 43 Resp: 22054

Ion Ratio Lower Upper

43 100

58 33.3 22.7 34.1



#33

1,2-Dichloroethane-d4

Concen: 58.921 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015570.D

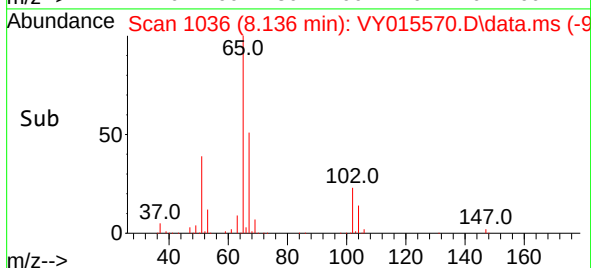
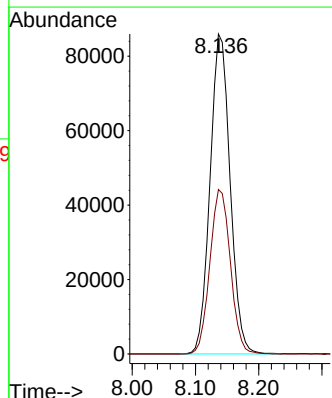
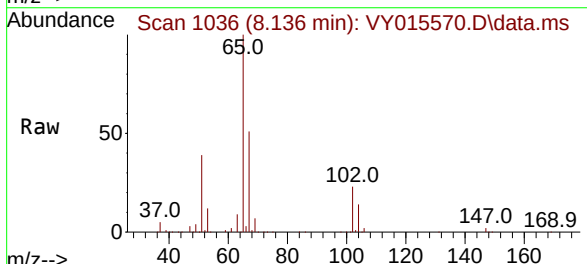
Acq: 15 Sep 2023 15:28

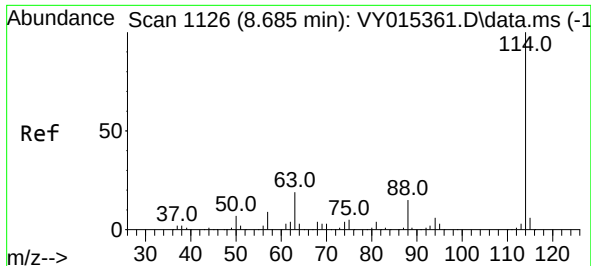
Tgt Ion: 65 Resp: 189389

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015570.D

Acq: 15 Sep 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

JOYCE-KILMER-SOIL

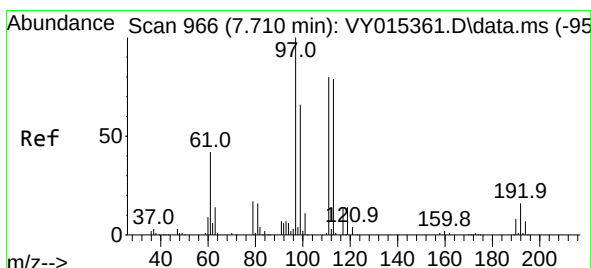
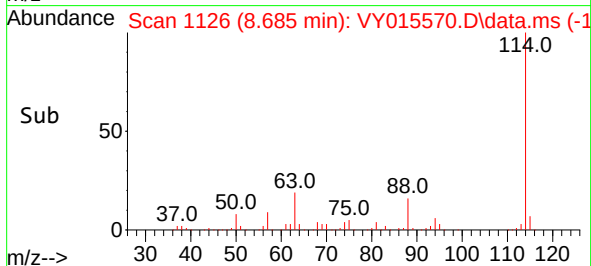
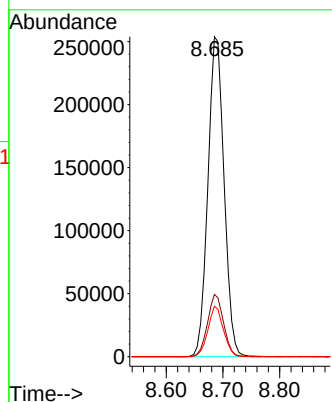
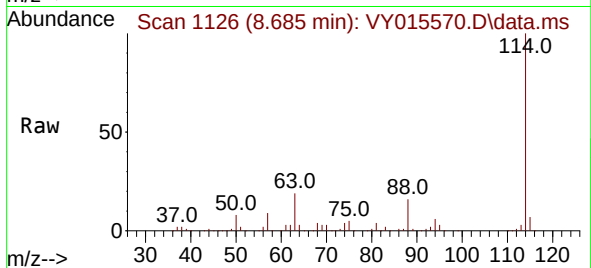
Tgt Ion:114 Resp: 502684

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.698 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015570.D

Acq: 15 Sep 2023 15:28

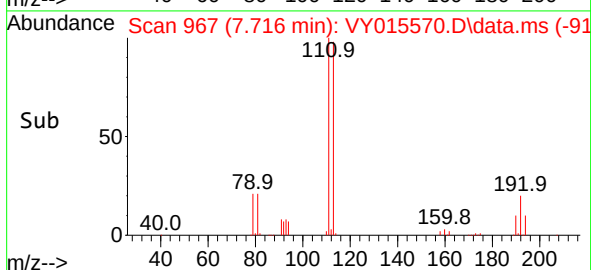
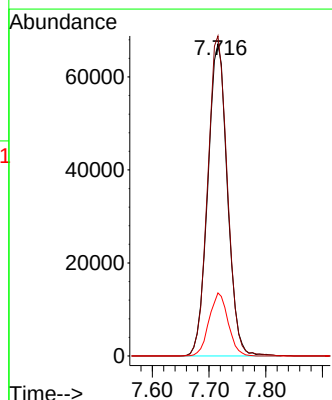
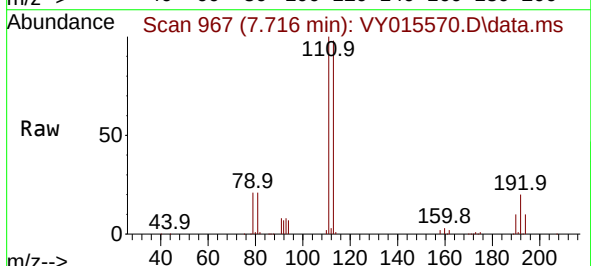
Tgt Ion:113 Resp: 161266

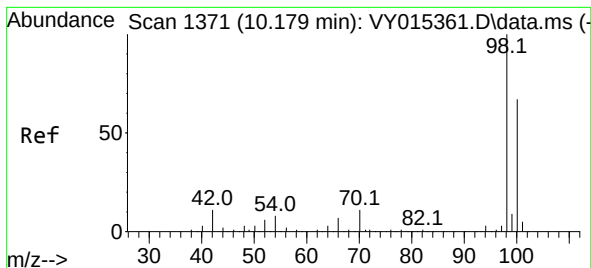
Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

192 19.5 16.9 25.3





#50

Toluene-d8

Concen: 56.476 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015570.D

Acq: 15 Sep 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

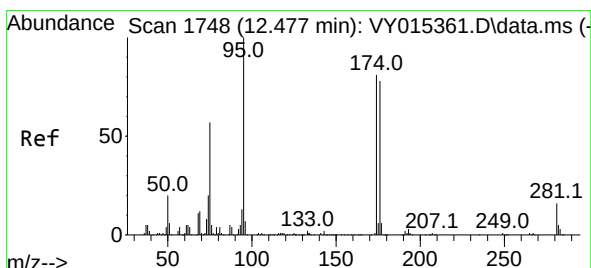
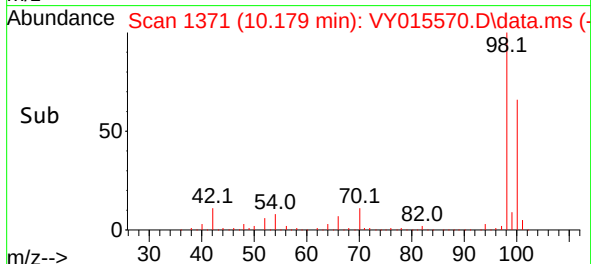
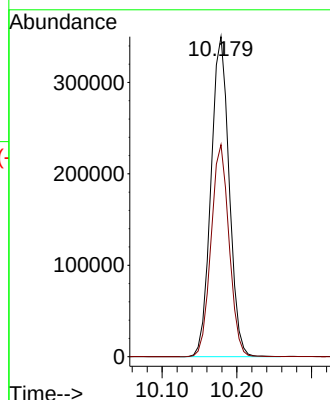
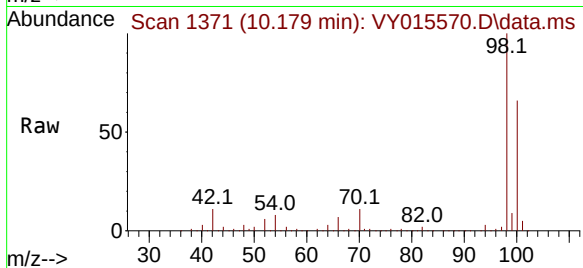
JOYCE-KILMER-SOIL

Tgt Ion: 98 Resp: 592160

Ion Ratio Lower Upper

98 100

100 65.7 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 52.850 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY015570.D

Acq: 15 Sep 2023 15:28

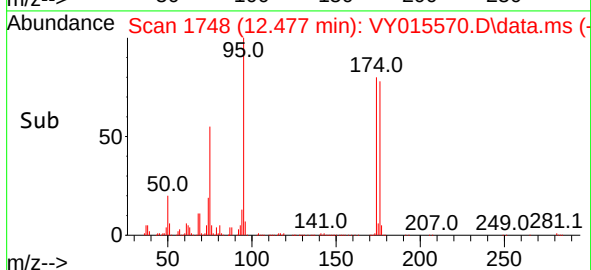
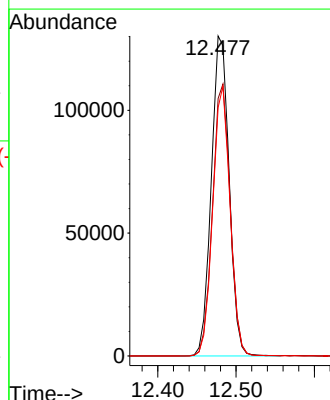
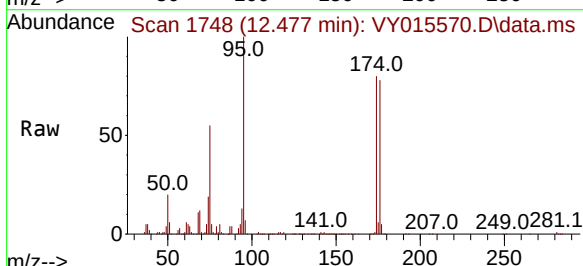
Tgt Ion: 95 Resp: 205717

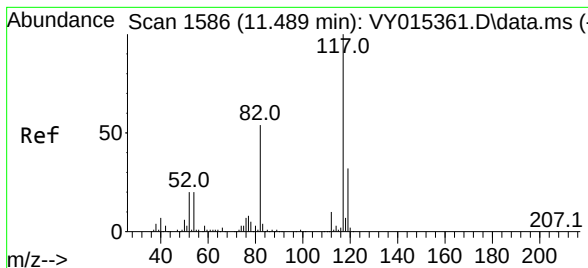
Ion Ratio Lower Upper

95 100

174 84.4 0.0 178.2

176 82.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015570.D

Acq: 15 Sep 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

JOYCE-KILMER-SOIL

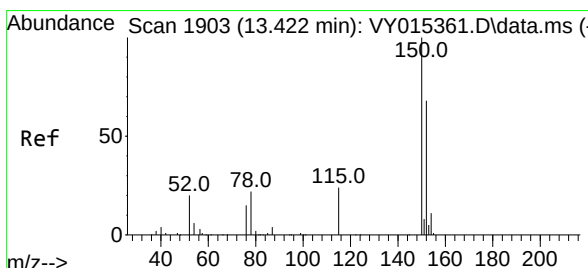
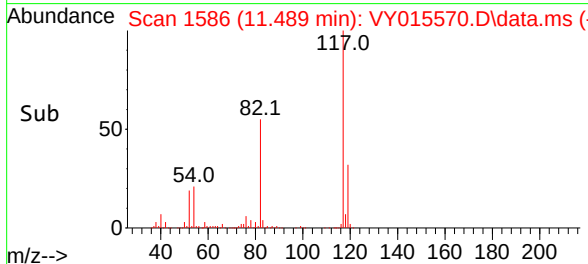
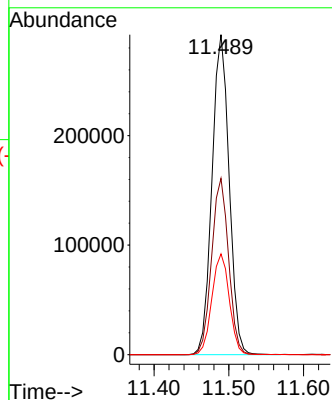
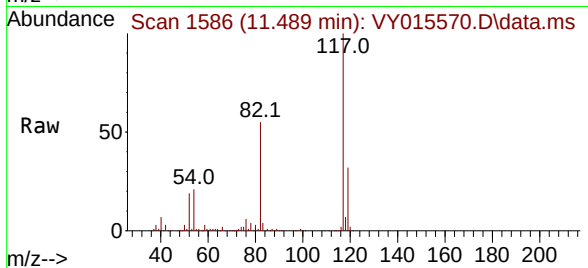
Tgt Ion:117 Resp: 465302

Ion Ratio Lower Upper

117 100

82 55.1 43.4 65.0

119 31.5 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015570.D

Acq: 15 Sep 2023 15:28

Tgt Ion:152 Resp: 217844

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 156.9 0.0 348.8

