

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072222\
 Data File : VY009652.D
 Acq On : 22 Jul 2022 12:13
 Operator : KP/MD
 Sample : N3830-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HS-SOIL-0721

Quant Time: Jul 23 00:52:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

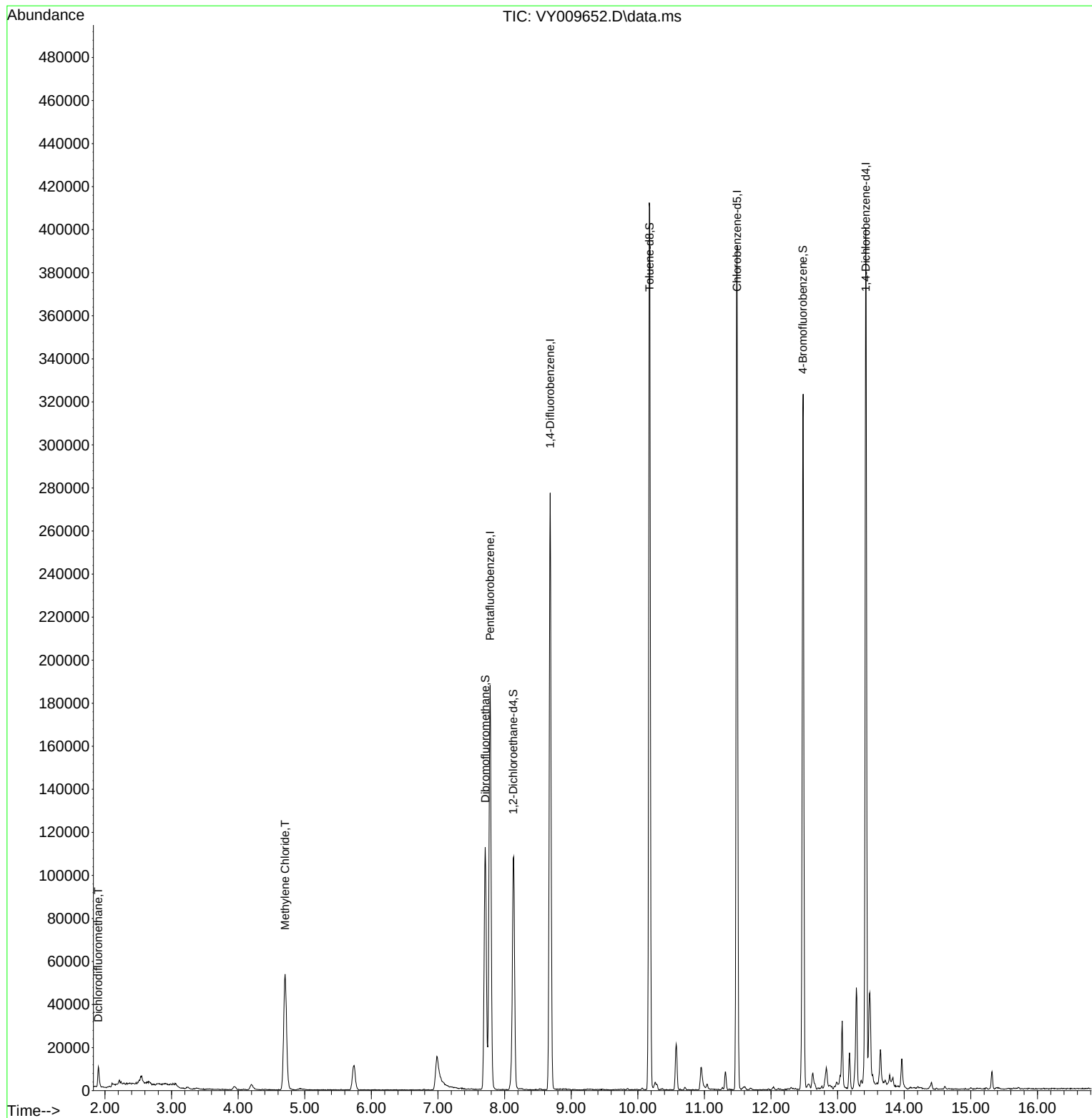
Internal Standards						
1) Pentafluorobenzene	7.783	168	154232	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	241037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	229740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	108602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	81523	55.889	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.780%
35) Dibromofluoromethane	7.710	113	79637	52.444	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.880%
50) Toluene-d8	10.179	98	278567	47.719	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	95.440%
62) 4-Bromofluorobenzene	12.477	95	88217	46.637	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	93.280%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	7327	5.414	ug/l	96
20) Methylene Chloride	4.704	84	42000	15.986	ug/l	# 84

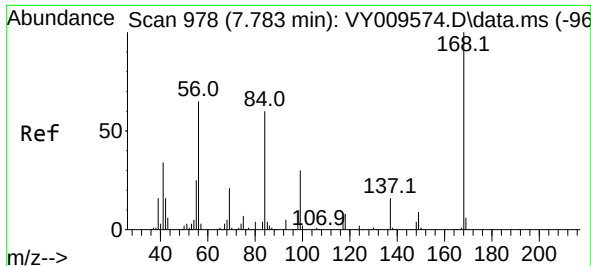
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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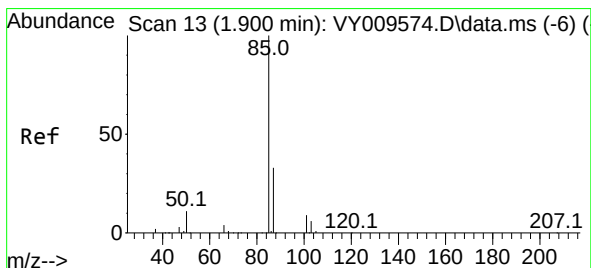
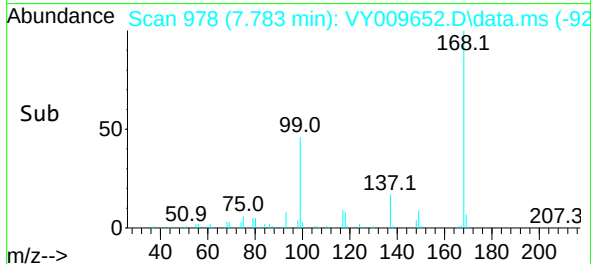
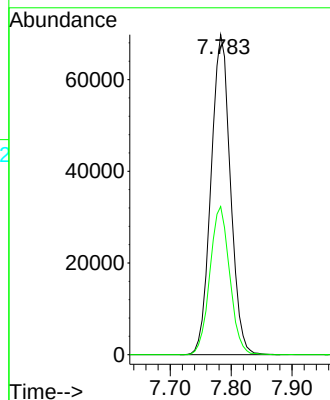
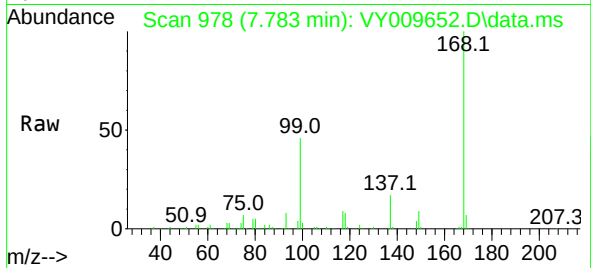




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009652.D
Acq: 22 Jul 2022 12:13

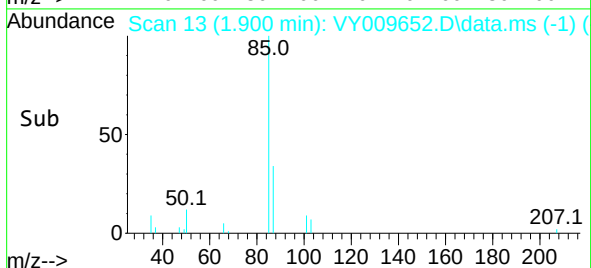
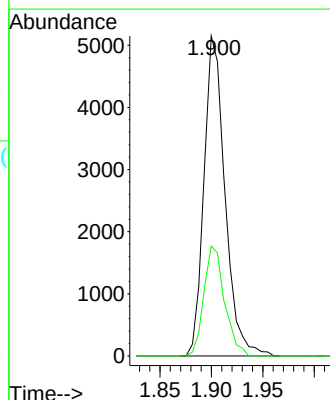
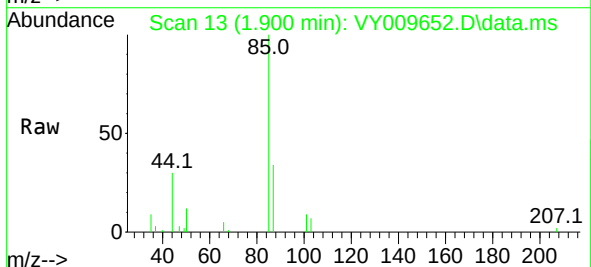
Instrument :
MSVOA_Y
ClientSampleId :
HS-SOIL-0721

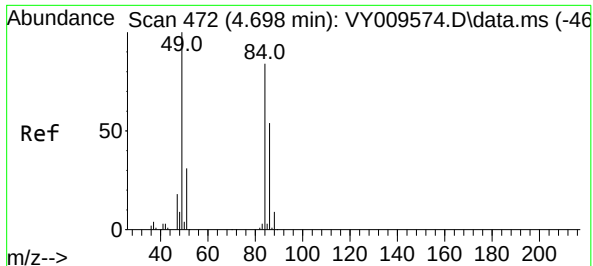
Tgt Ion:168 Resp: 154232
Ion Ratio Lower Upper
168 100
99 46.3 46.9 70.3#



#2
Dichlorodifluoromethane
Concen: 5.414 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009652.D
Acq: 22 Jul 2022 12:13

Tgt Ion: 85 Resp: 7327
Ion Ratio Lower Upper
85 100
87 34.3 16.1 48.2





#20

Methylene Chloride

Concen: 15.986 ug/l

RT: 4.704 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY009652.D

Acq: 22 Jul 2022 12:13

Instrument :

MSVOA_Y

ClientSampleId :

HS-SOIL-0721

Tgt Ion: 84 Resp: 42000

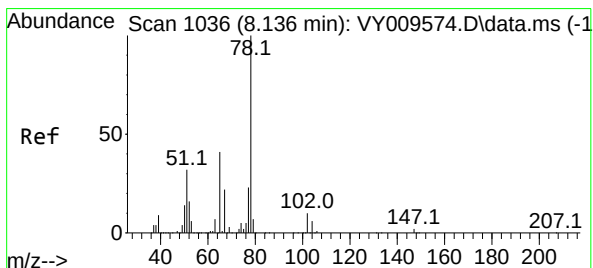
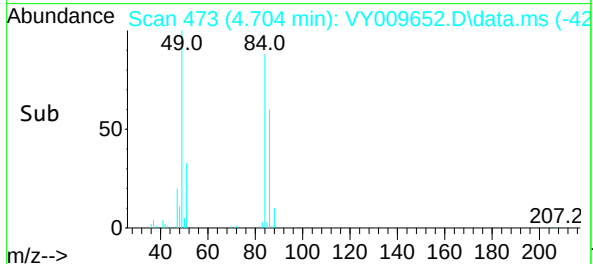
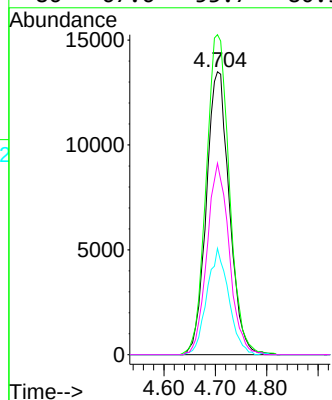
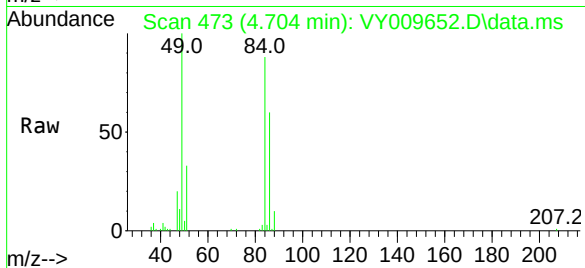
Ion Ratio Lower Upper

84 100

49 113.1 114.4 171.6#

51 37.5 35.3 52.9

86 67.6 53.7 80.5



#33

1,2-Dichloroethane-d4

Concen: 55.889 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.006 min

Lab File: VY009652.D

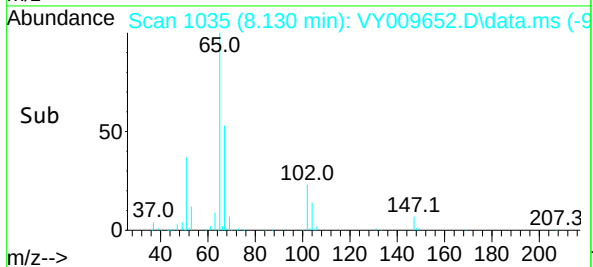
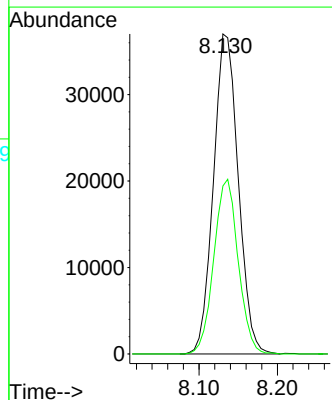
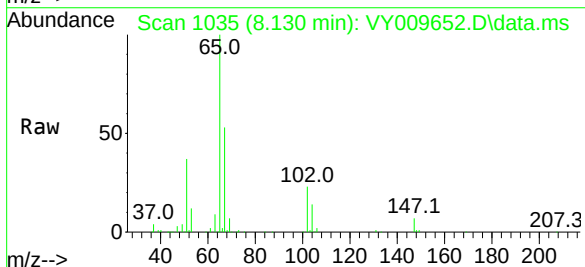
Acq: 22 Jul 2022 12:13

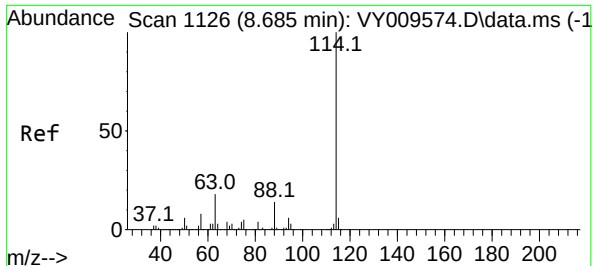
Tgt Ion: 65 Resp: 81523

Ion Ratio Lower Upper

65 100

67 53.6 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: VY009652.D

Acq: 22 Jul 2022 12:13

Instrument :

MSVOA_Y

ClientSampleId :

HS-SOIL-0721

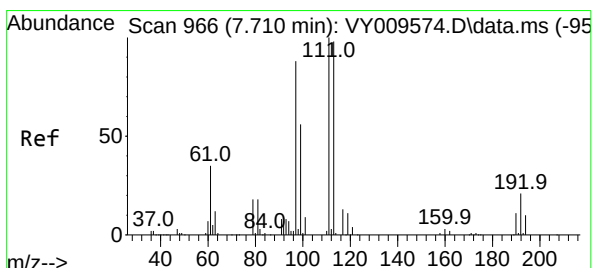
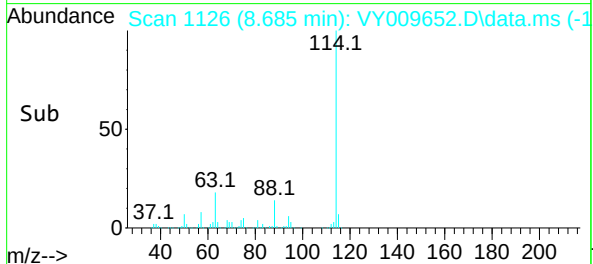
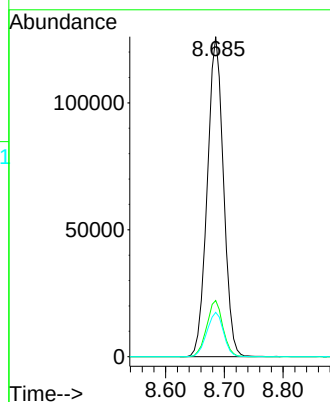
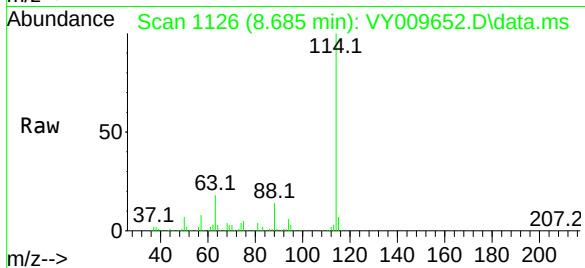
Tgt Ion:114 Resp: 241037

Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

88 13.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.444 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009652.D

Acq: 22 Jul 2022 12:13

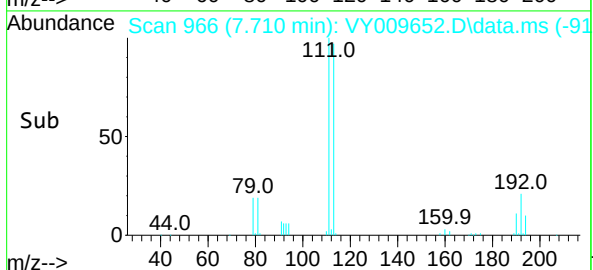
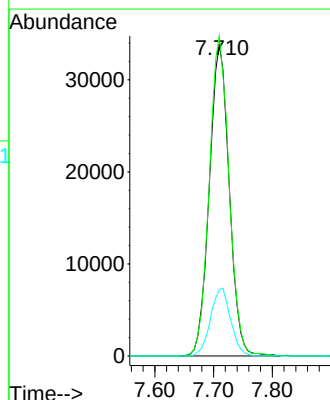
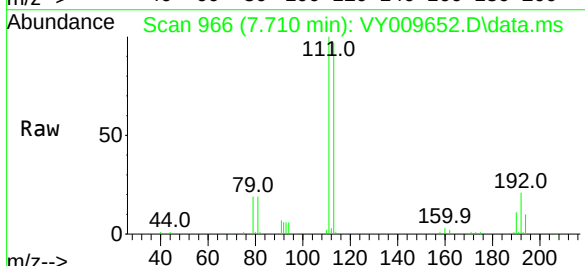
Tgt Ion:113 Resp: 79637

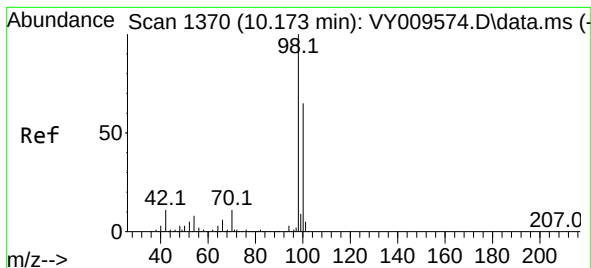
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 21.9 17.6 26.4





#50

Toluene-d8

Concen: 47.719 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY009652.D

Acq: 22 Jul 2022 12:13

Instrument :

MSVOA_Y

ClientSampleId :

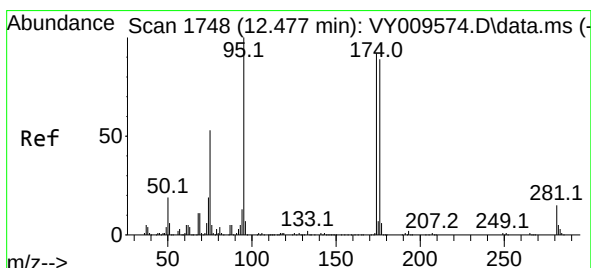
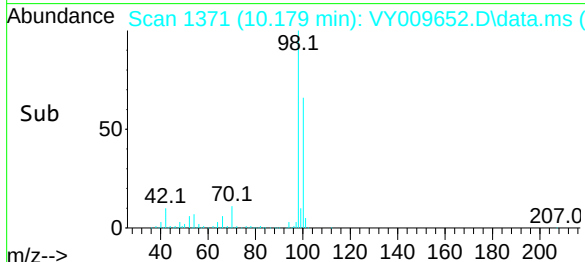
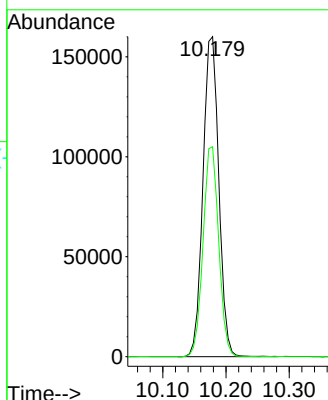
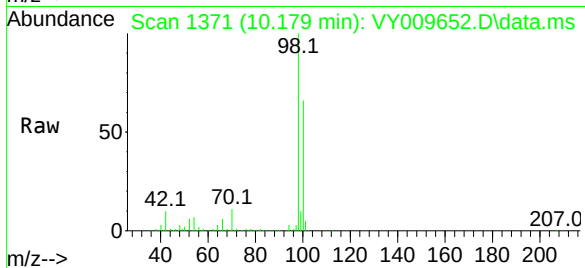
HS-SOIL-0721

Tgt Ion: 98 Resp: 278567

Ion Ratio Lower Upper

98 100

100 64.9 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 46.637 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY009652.D

Acq: 22 Jul 2022 12:13

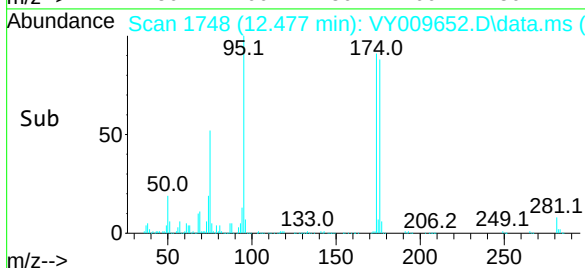
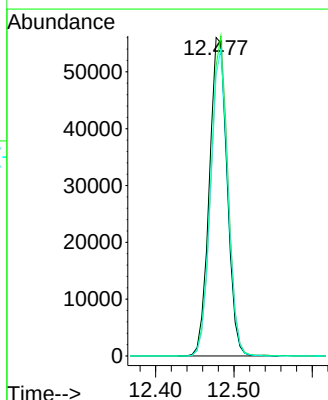
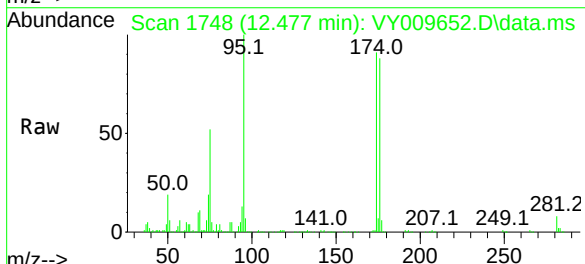
Tgt Ion: 95 Resp: 88217

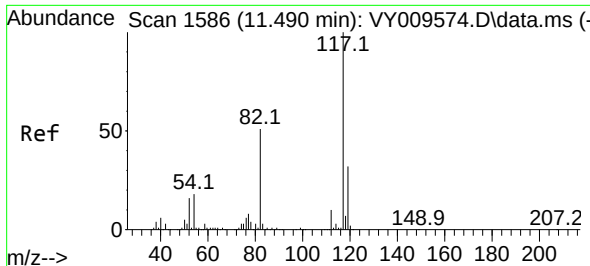
Ion Ratio Lower Upper

95 100

174 97.3 0.0 177.0

176 93.1 0.0 175.8

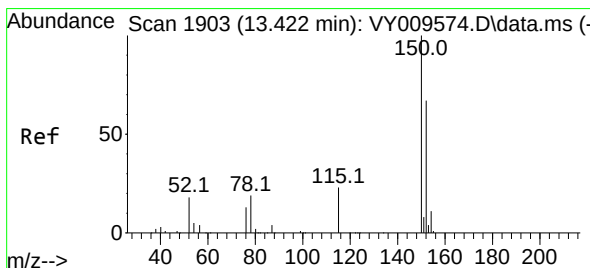
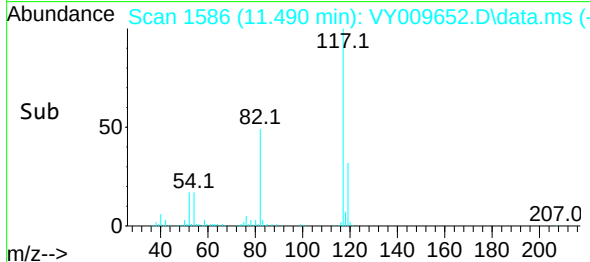
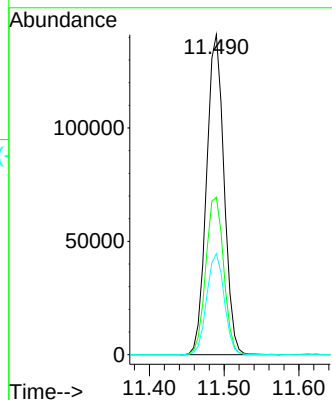
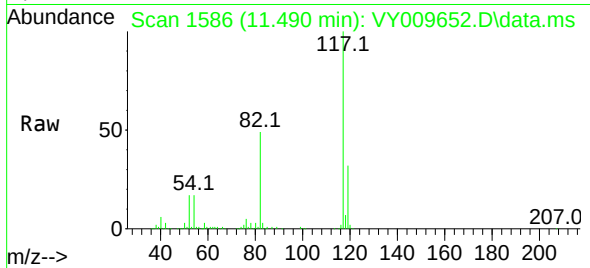




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY009652.D
Acq: 22 Jul 2022 12:13

Instrument :
MSVOA_Y
ClientSampleId :
HS-SOIL-0721

Tgt Ion:117 Resp: 229740
Ion Ratio Lower Upper
117 100
82 49.3 43.0 64.4
119 31.6 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: VY009652.D
Acq: 22 Jul 2022 12:13

Tgt Ion:152 Resp: 108602
Ion Ratio Lower Upper
152 100
115 54.4 28.2 84.7
150 156.7 0.0 347.6

