

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011323\
 Data File : VY012190.D
 Acq On : 13 Jan 2023 14:14
 Operator : KP/MD
 Sample : 01152-01
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-STMWTR-DENALI-2

Quant Time: Jan 16 08:18:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	175279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	291308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	270099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112271	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	109051	55.369	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.740%
35) Dibromofluoromethane	7.716	113	89281	46.629	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.260%
50) Toluene-d8	10.179	98	344956	45.645	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.280%
62) 4-Bromofluorobenzene	12.483	95	105503	39.938	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.880%

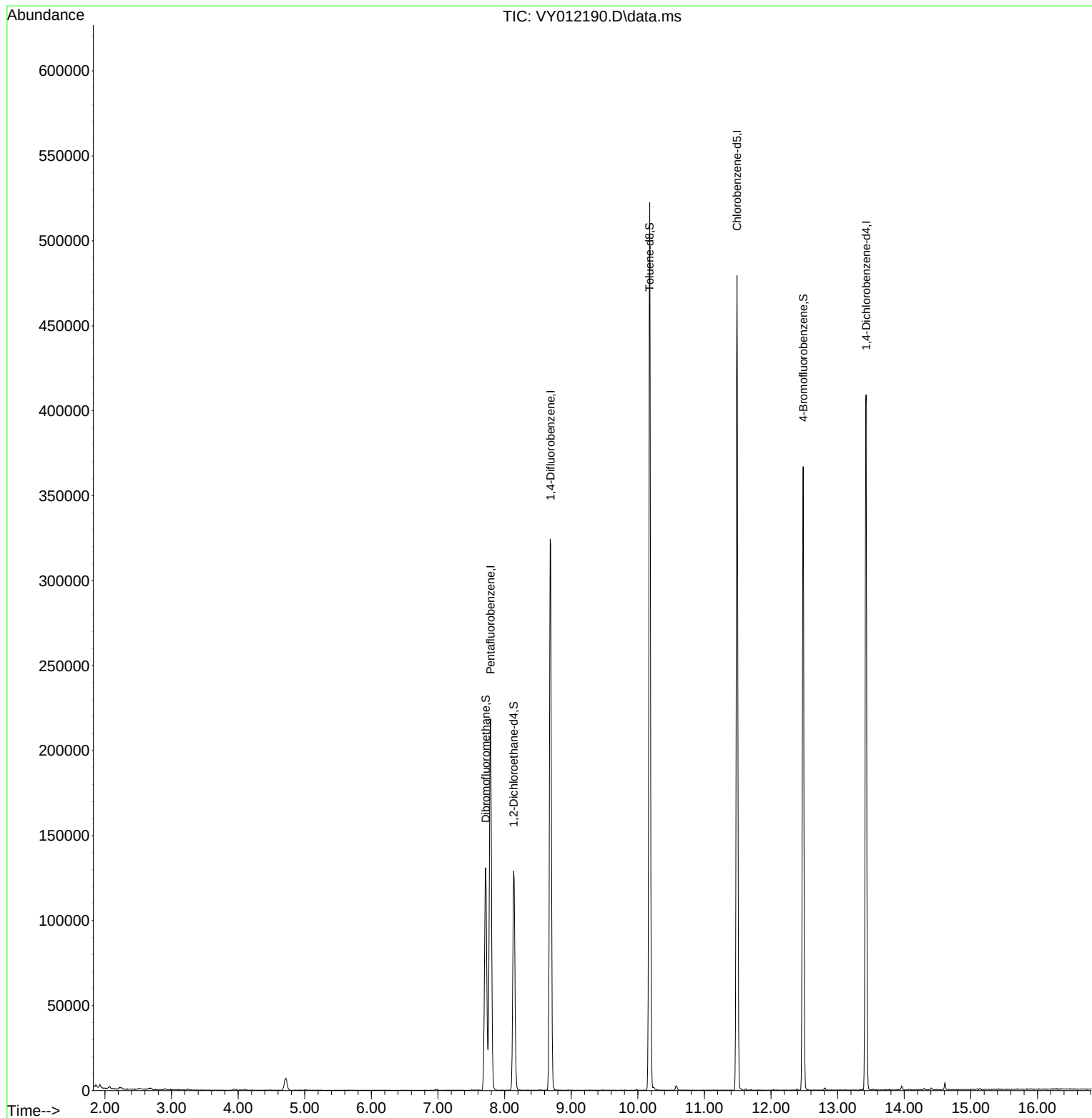
Target Compounds	Qvalue

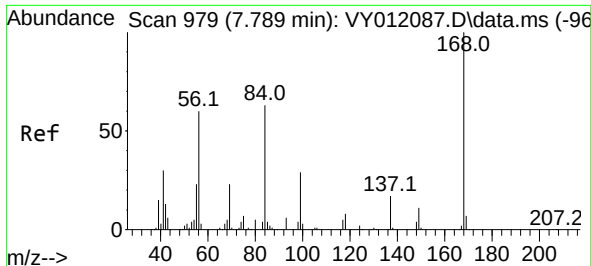
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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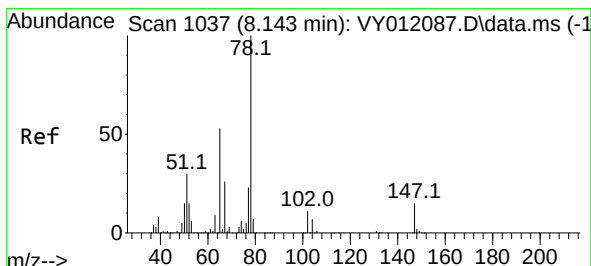
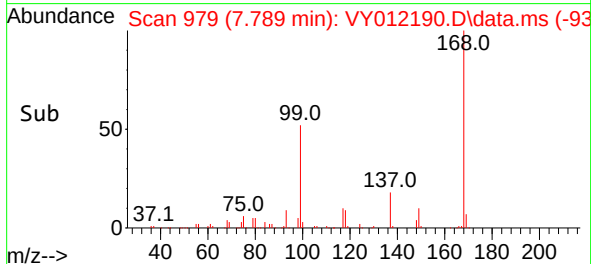
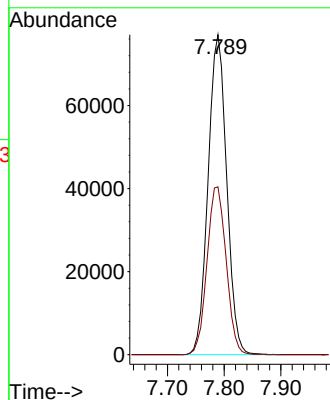
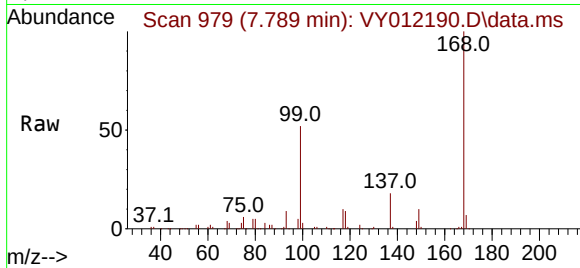




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

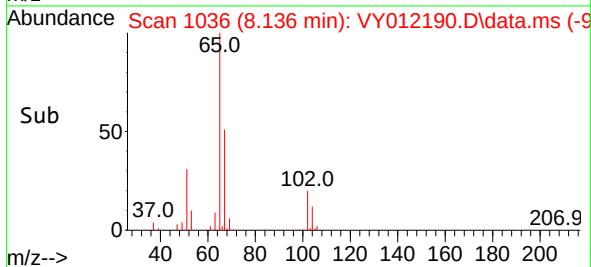
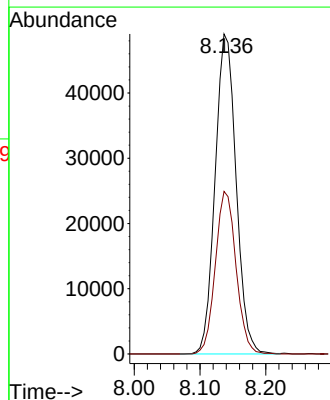
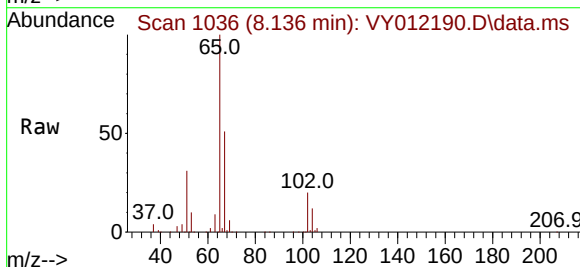
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

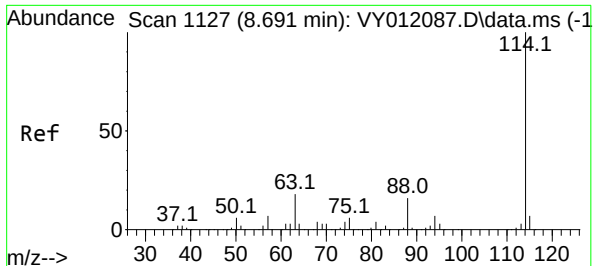
Tgt Ion:168 Resp: 175279
Ion Ratio Lower Upper
168 100
99 52.5 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 55.369 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

Tgt Ion: 65 Resp: 109051
Ion Ratio Lower Upper
65 100
67 50.1 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: VY012190.D

Acq: 13 Jan 2023 14:14

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-STMWTR-DENALI-2

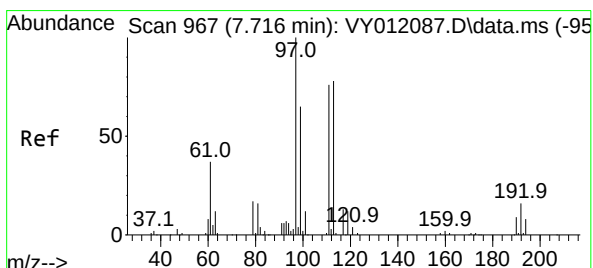
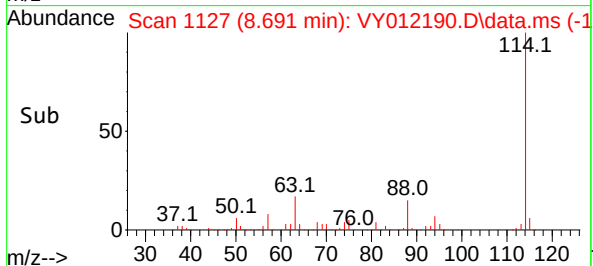
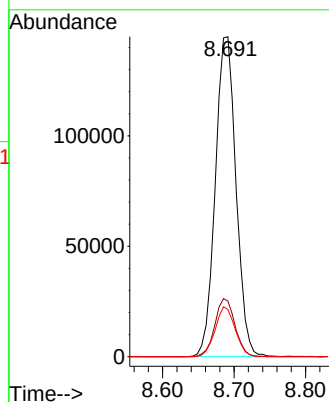
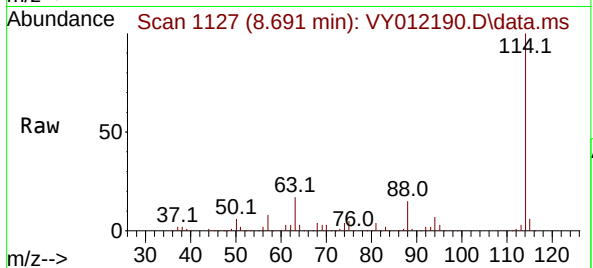
Tgt Ion:114 Resp: 291308

Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.6

88 14.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.629 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012190.D

Acq: 13 Jan 2023 14:14

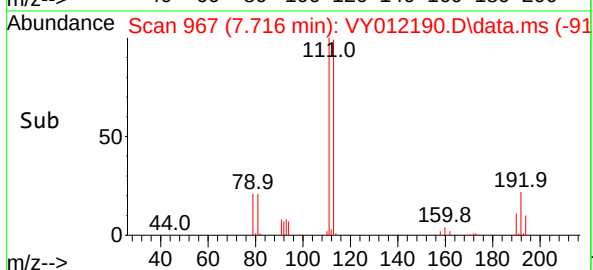
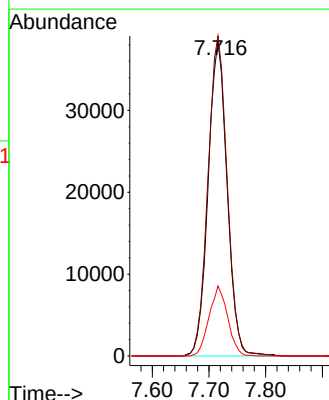
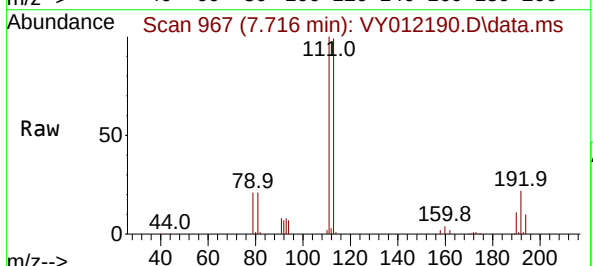
Tgt Ion:113 Resp: 89281

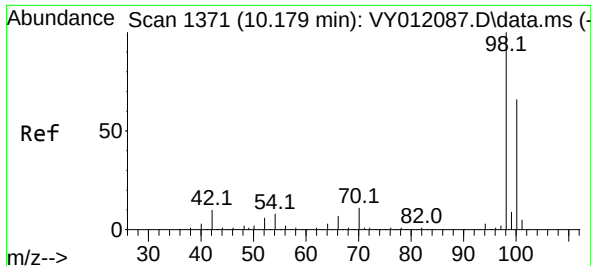
Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.4

192 21.7 16.0 24.0

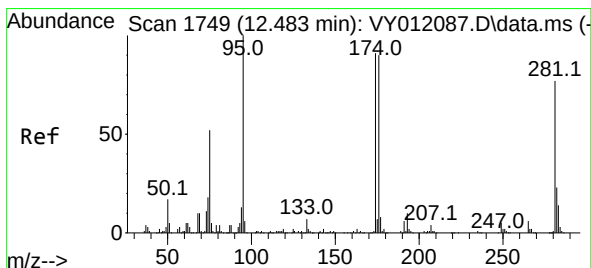
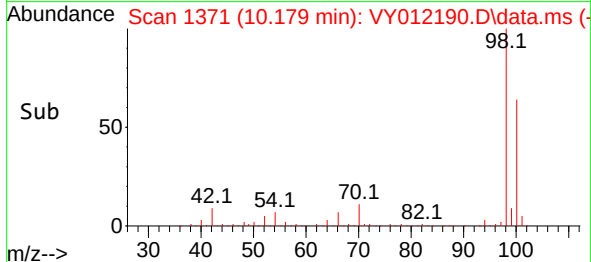
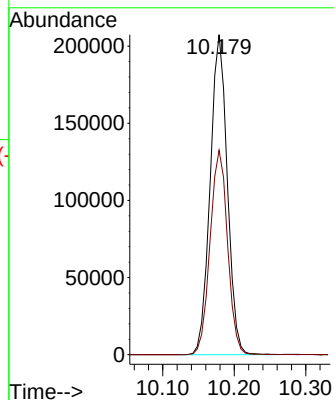
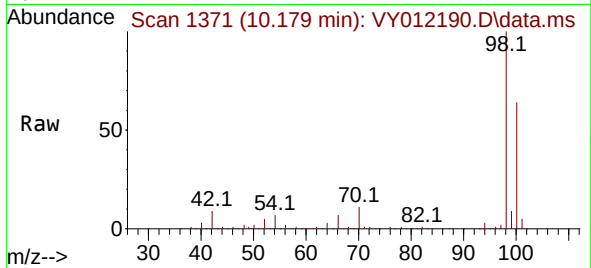




#50
Toluene-d8
Concen: 45.645 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

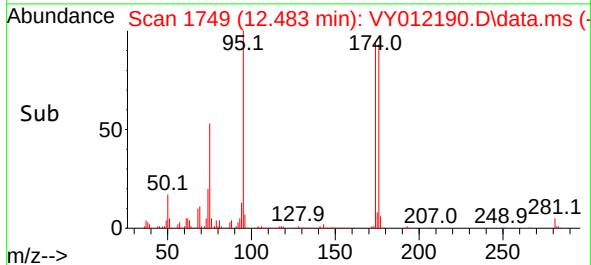
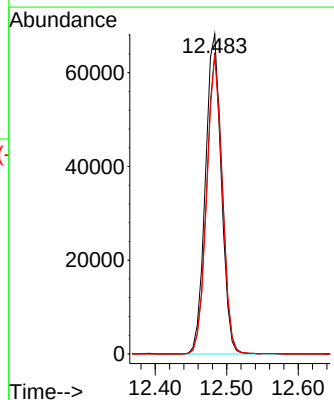
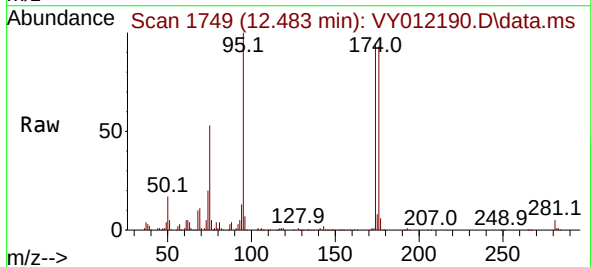
Instrument :
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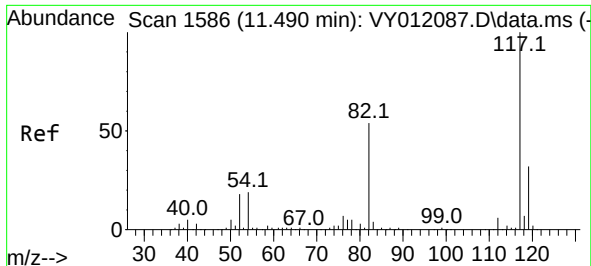
Tgt Ion: 98 Resp: 344956
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 39.938 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

Tgt Ion: 95 Resp: 105503
Ion Ratio Lower Upper
95 100
174 93.5 0.0 172.0
176 90.8 0.0 167.6

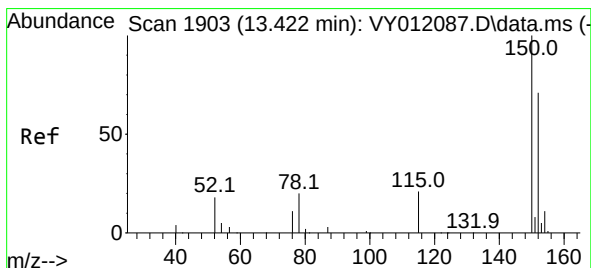
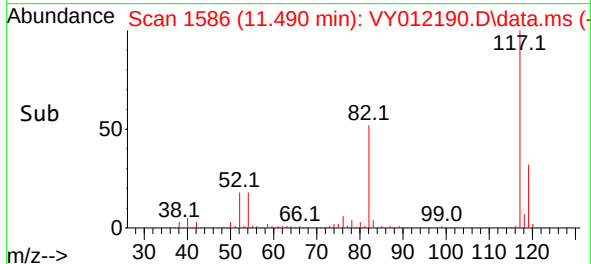
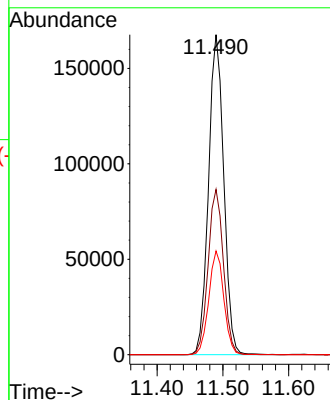
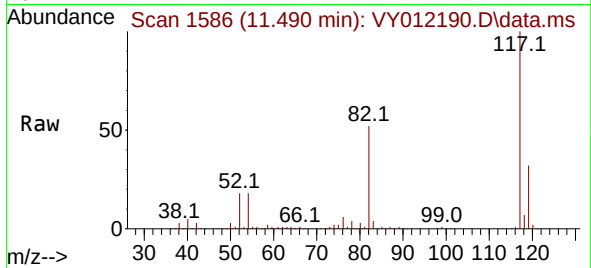




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

Tgt Ion:117 Resp: 270099
Ion Ratio Lower Upper
117 100
82 51.6 44.8 67.2
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012190.D
Acq: 13 Jan 2023 14:14

Tgt Ion:152 Resp: 112271
Ion Ratio Lower Upper
152 100
115 56.9 29.1 87.3
150 159.0 0.0 342.6

