

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072723\
 Data File : VY014893.D
 Acq On : 27 Jul 2023 19:32
 Operator : SY/MD
 Sample : 03796-01
 Misc : 6.46g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-OU3-DENALI-TEMP

Quant Time: Jul 28 02:39:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	158459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	279327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	250196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	93996	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104678	57.971	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.940%
35) Dibromofluoromethane	7.710	113	89096	50.107	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.220%
50) Toluene-d8	10.173	98	329399	50.247	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.500%
62) 4-Bromofluorobenzene	12.477	95	103867	41.321	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.640%

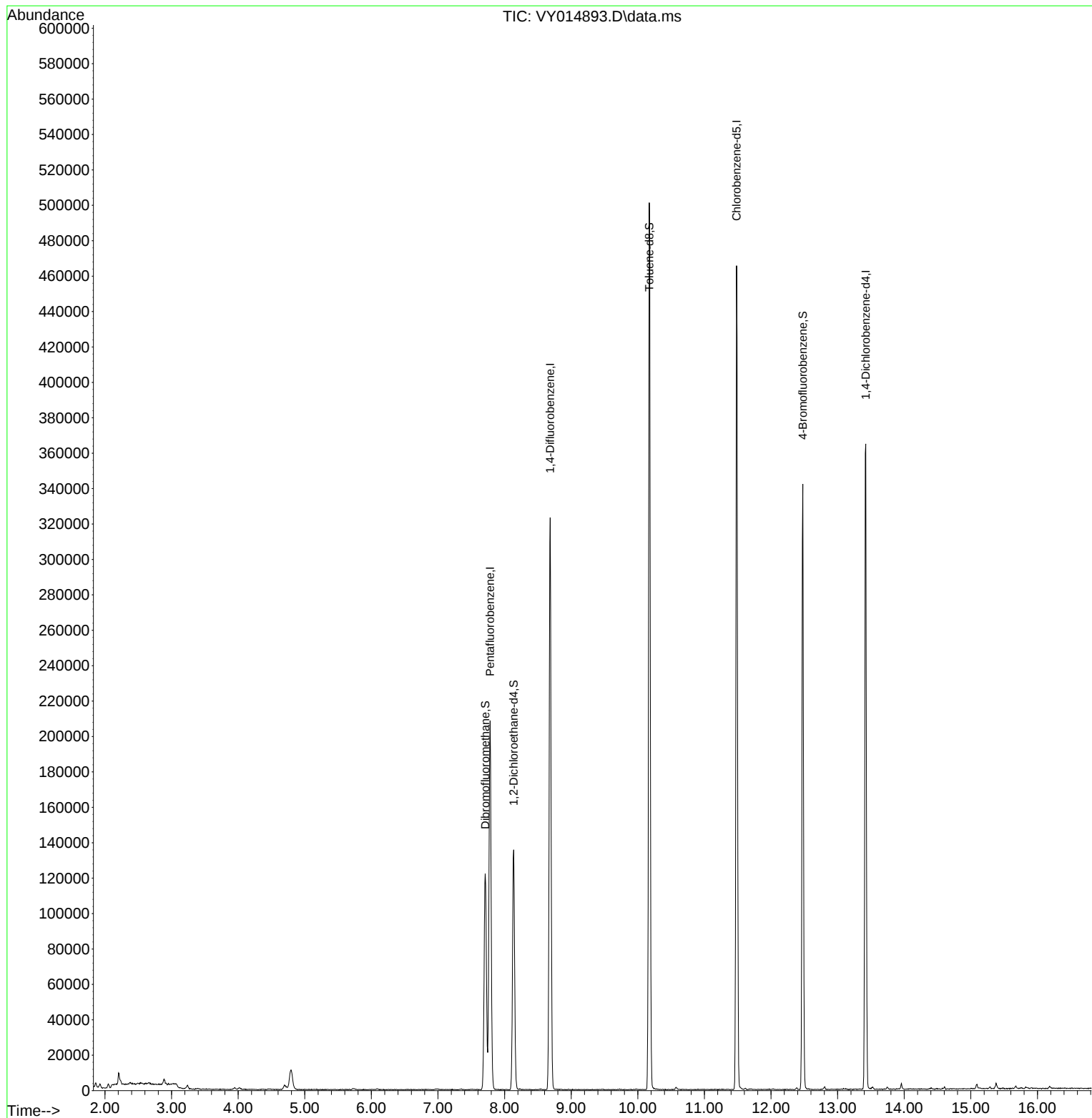
Target Compounds	Qvalue

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

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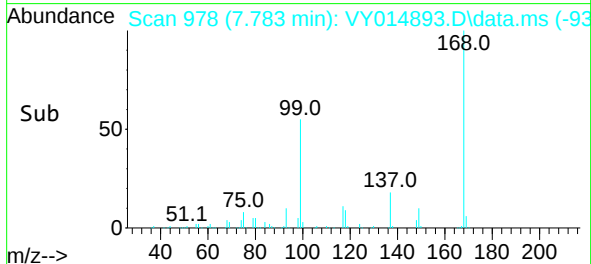
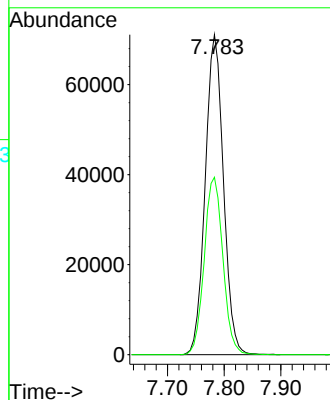
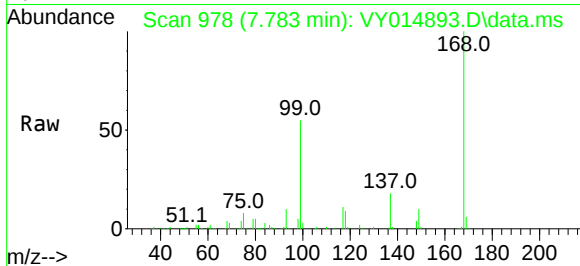




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014893.D
Acq: 27 Jul 2023 19:32

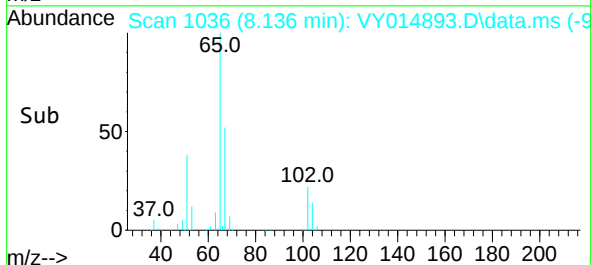
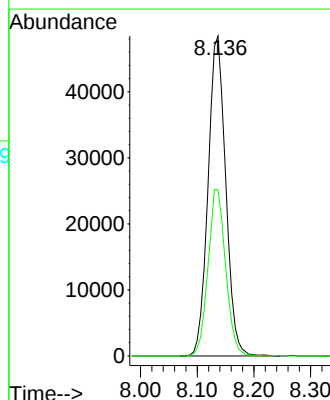
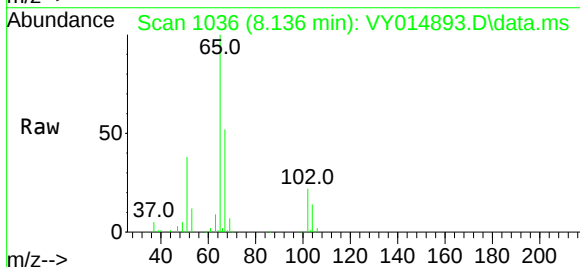
Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-OU3-DENALI-TEMP

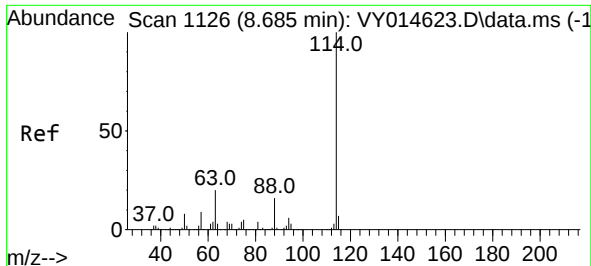
Tgt Ion:168 Resp: 158459
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 57.971 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014893.D
Acq: 27 Jul 2023 19:32

Tgt Ion: 65 Resp: 104678
Ion Ratio Lower Upper
65 100
67 51.9 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: VY014893.D

Acq: 27 Jul 2023 19:32

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-DENALI-TEMP

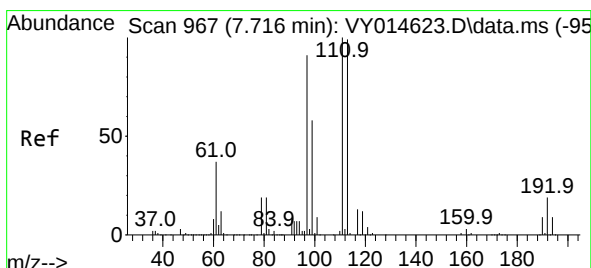
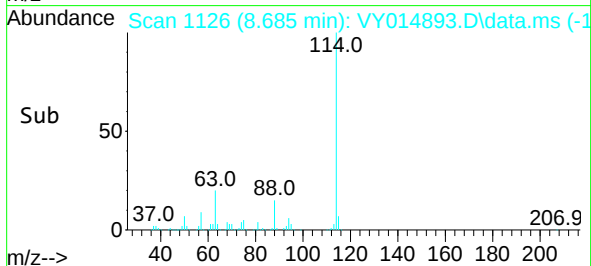
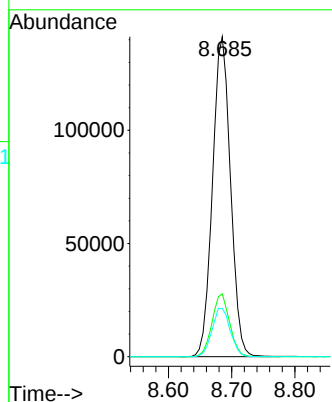
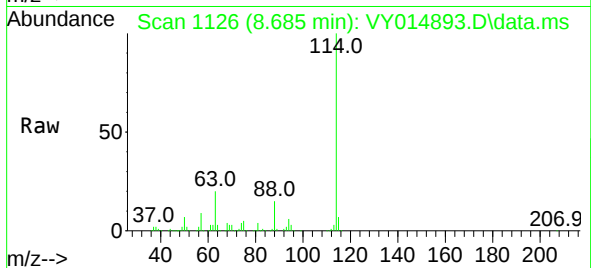
Tgt Ion:114 Resp: 279327

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.107 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014893.D

Acq: 27 Jul 2023 19:32

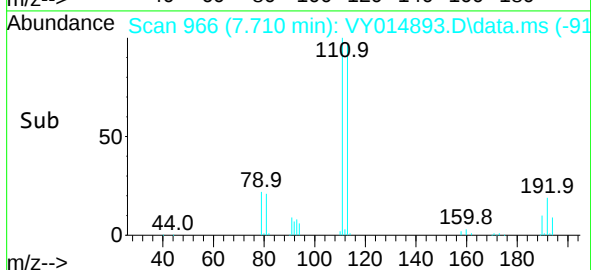
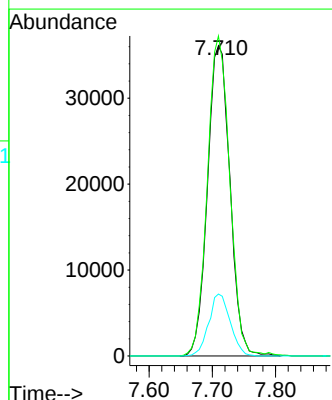
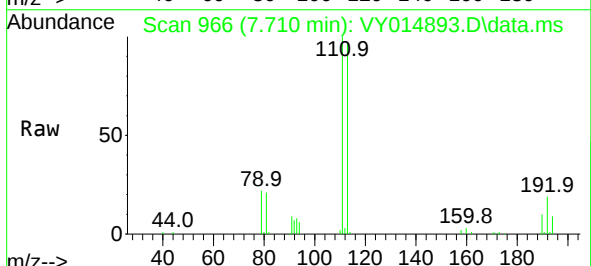
Tgt Ion:113 Resp: 89096

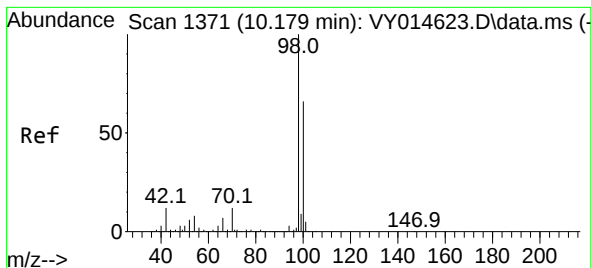
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 19.1 16.9 25.3





#50

Toluene-d8

Concen: 50.247 ug/l

RT: 10.173 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014893.D

Acq: 27 Jul 2023 19:32

Instrument :

MSVOA_Y

ClientSampleId :

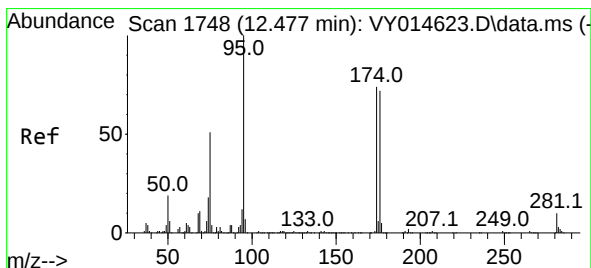
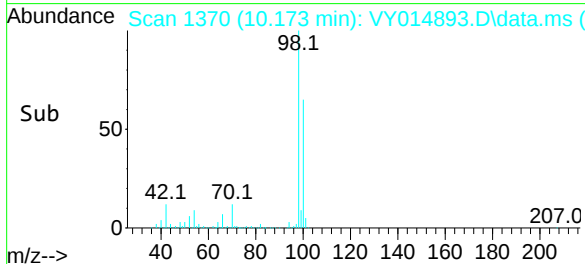
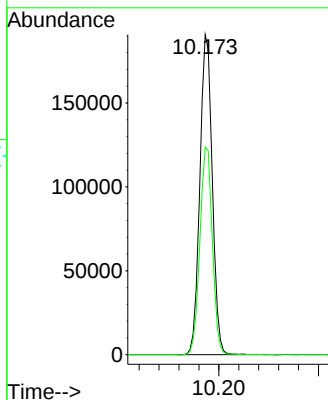
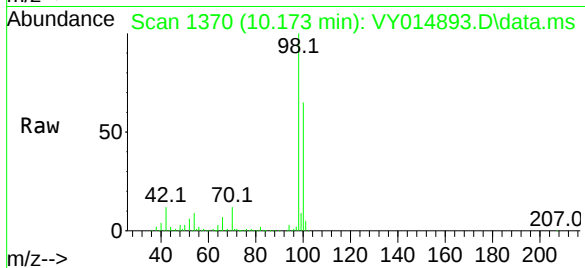
TOPSOIL-OU3-DENALI-TEMP

Tgt Ion: 98 Resp: 329399

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 41.321 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014893.D

Acq: 27 Jul 2023 19:32

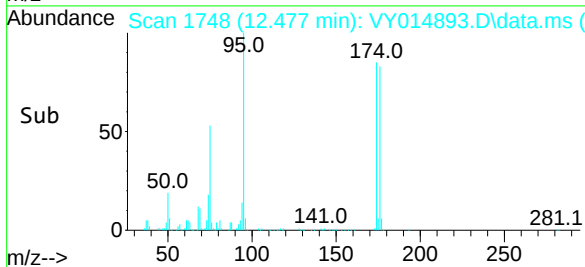
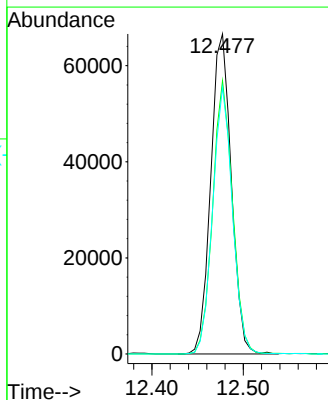
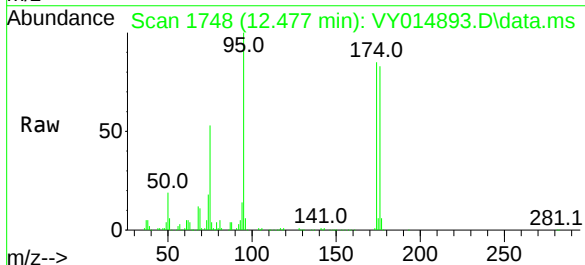
Tgt Ion: 95 Resp: 103867

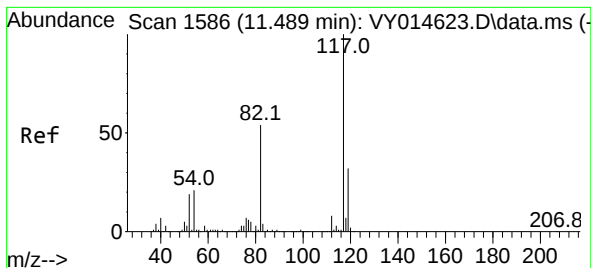
Ion Ratio Lower Upper

95 100

174 82.6 0.0 178.2

176 80.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014893.D

Acq: 27 Jul 2023 19:32

Instrument :

MSVOA_Y

ClientSampleId :

TOPSOIL-OU3-DENALI-TEMP

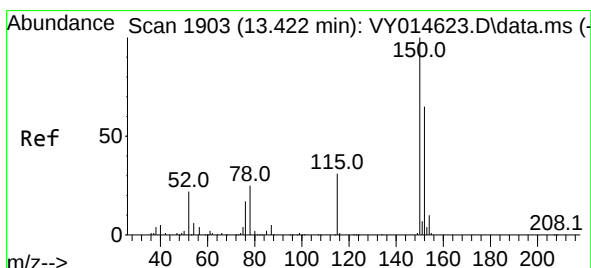
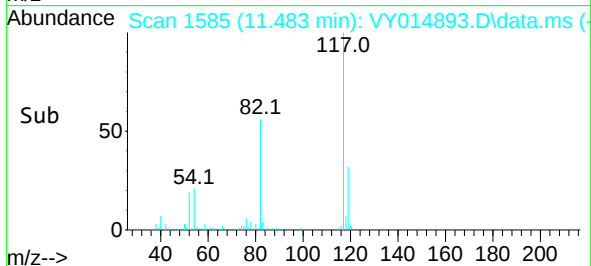
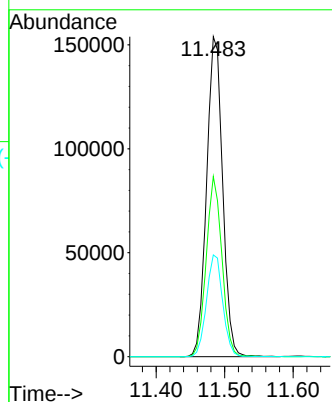
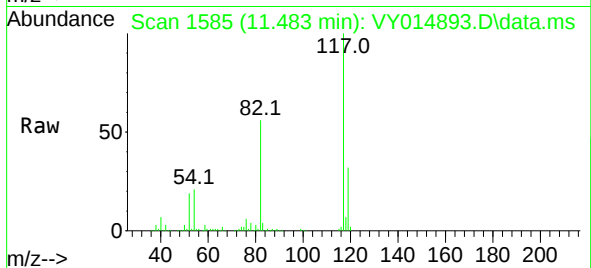
Tgt Ion:117 Resp: 250196

Ion Ratio Lower Upper

117 100

82 56.3 43.4 65.0

119 31.8 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: VY014893.D

Acq: 27 Jul 2023 19:32

Tgt Ion:152 Resp: 93996

Ion Ratio Lower Upper

152 100

115 59.4 28.8 86.5

150 158.5 0.0 348.8

