

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014757.D
 Acq On : 21 Jul 2023 19:16
 Operator : SY/MD
 Sample : 03706-07
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P21A

Quant Time: Jul 22 05:41:29 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	7.789	168	53059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	85482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	72203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	30382	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	26557	43.923	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.840%
35) Dibromofluoromethane	7.716	113	25473	46.812	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.620%
50) Toluene-d8	10.179	98	98277	48.987	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.980%
62) 4-Bromofluorobenzene	12.477	95	32097	41.725	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.460%

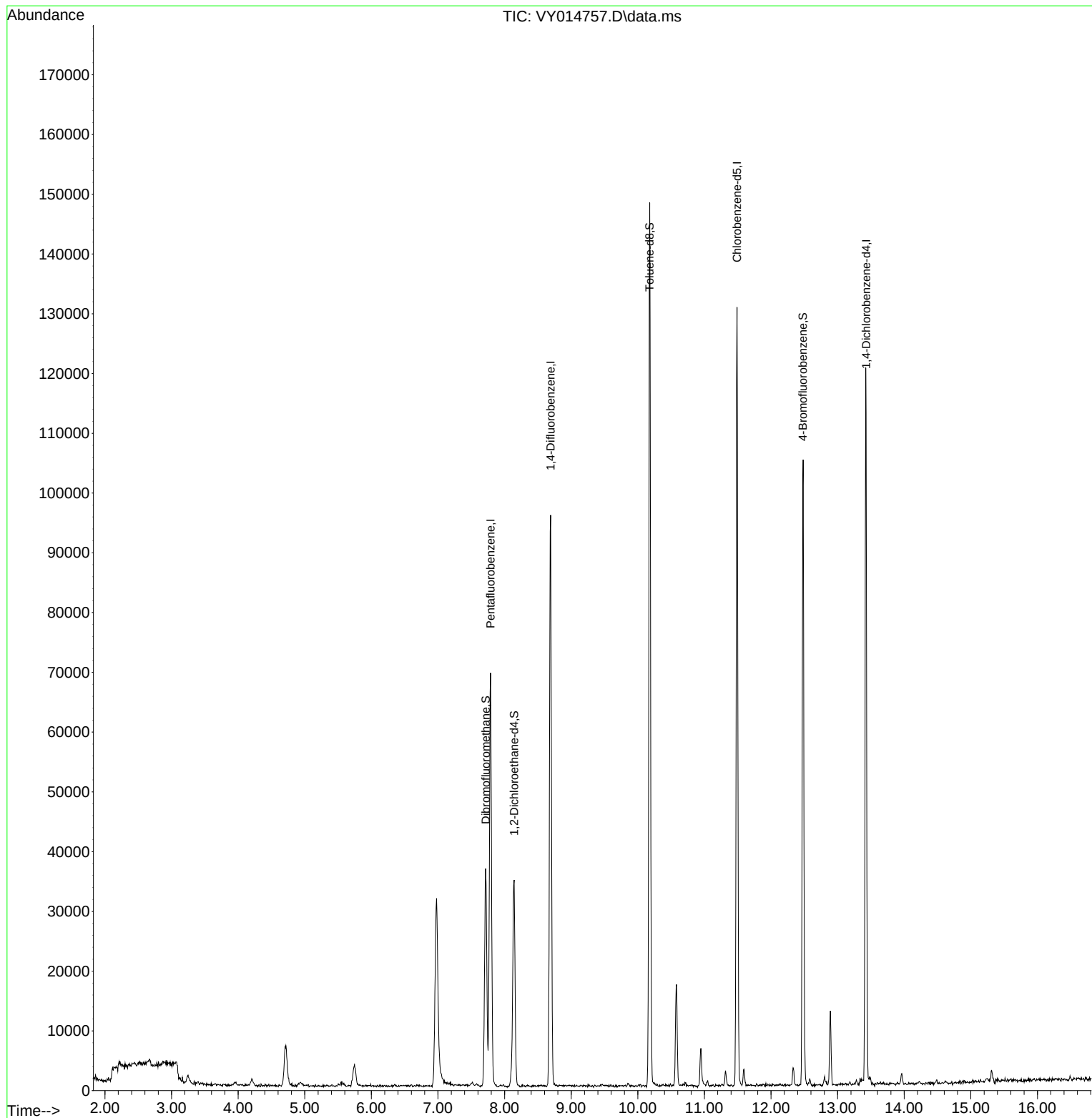
Target Compounds	Qvalue

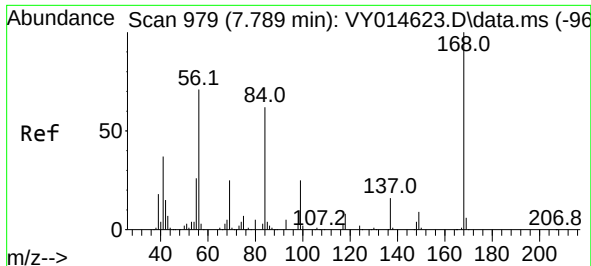
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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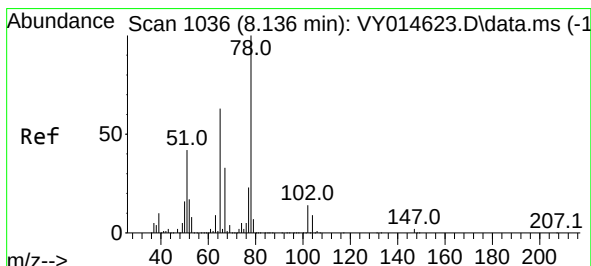
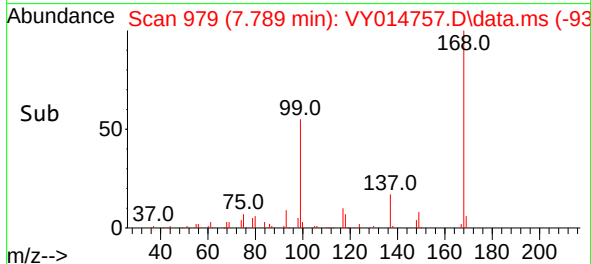
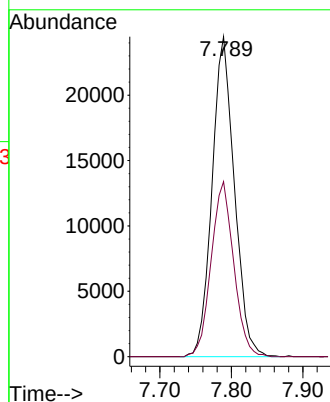
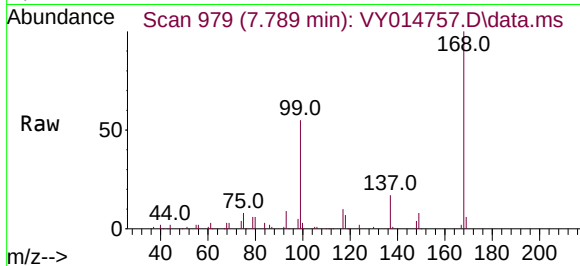




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

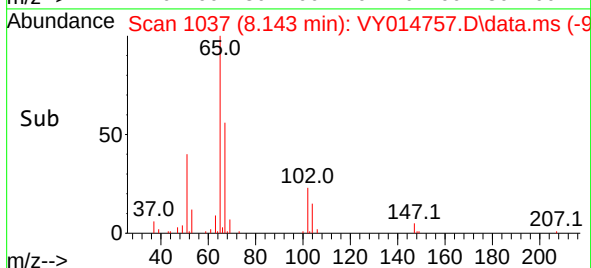
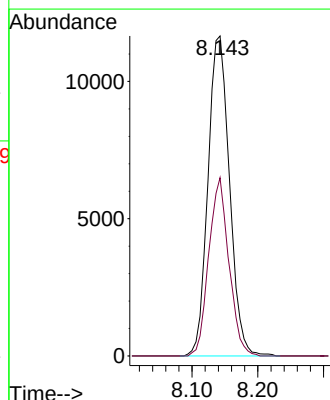
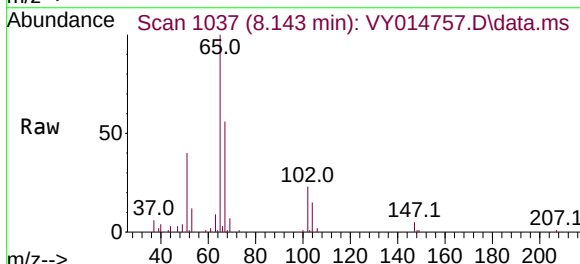
Instrument :
MSVOA_Y
ClientSampleId :
B-P21A

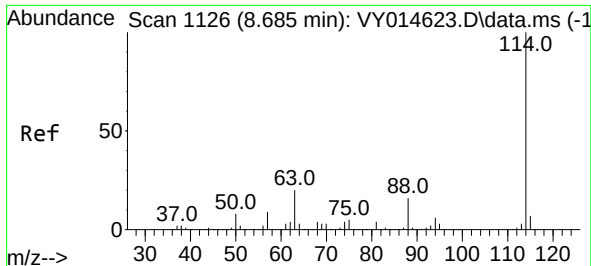
Tgt Ion:168 Resp: 53059
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 43.923 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

Tgt Ion: 65 Resp: 26557
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY014757.D

Acq: 21 Jul 2023 19:16

Instrument :

MSVOA_Y

ClientSampleId :

B-P21A

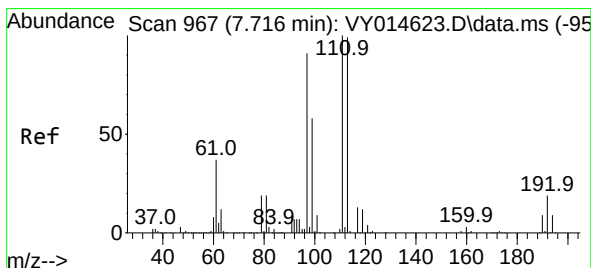
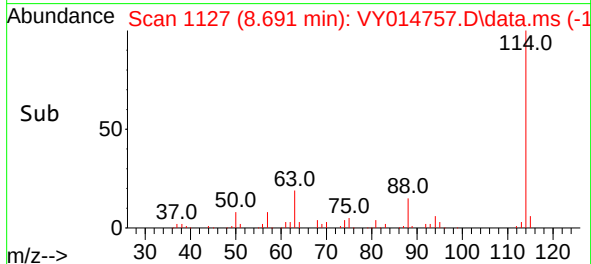
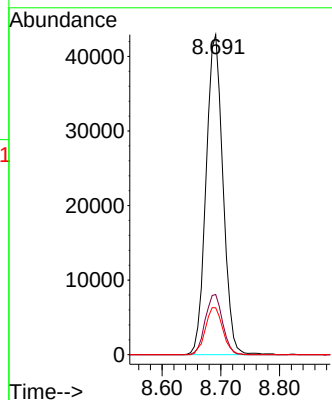
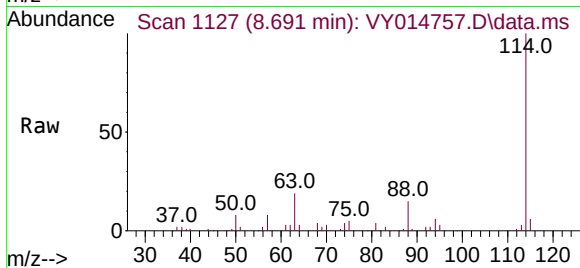
Tgt Ion:114 Resp: 85482

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.812 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014757.D

Acq: 21 Jul 2023 19:16

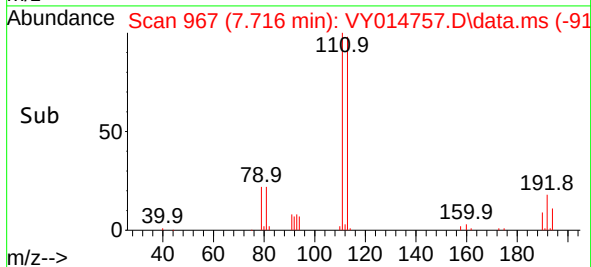
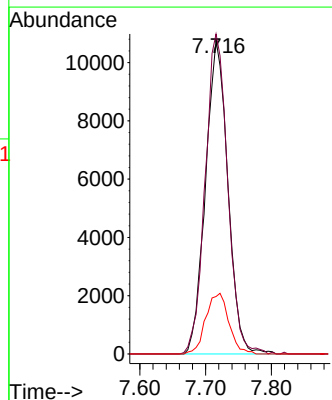
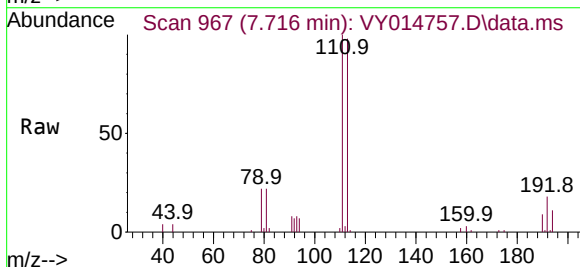
Tgt Ion:113 Resp: 25473

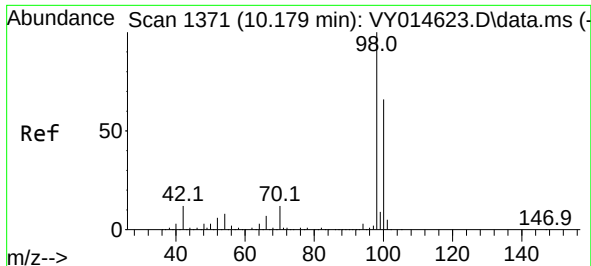
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 19.9 16.9 25.3

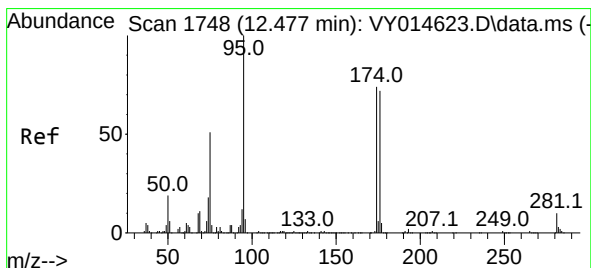
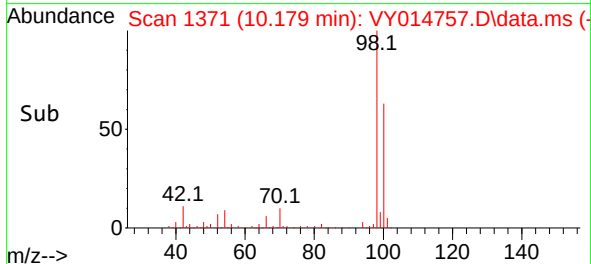
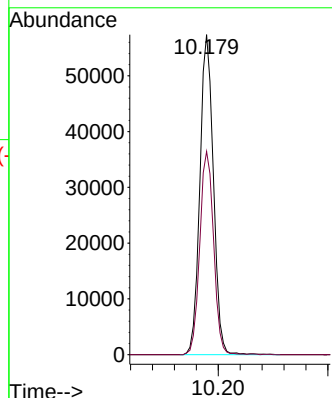
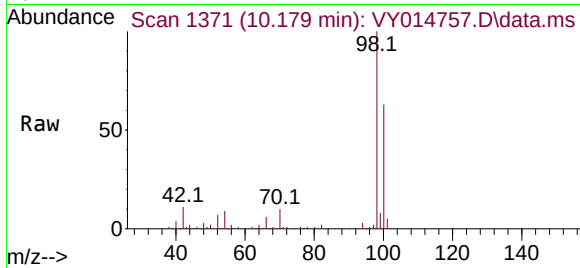




#50
Toluene-d8
Concen: 48.987 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

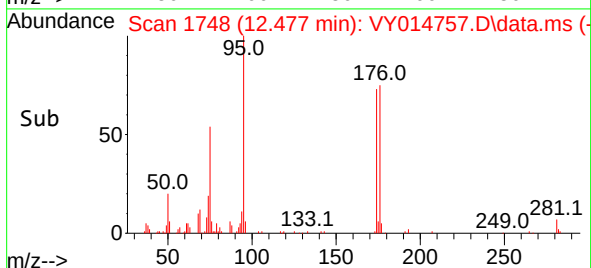
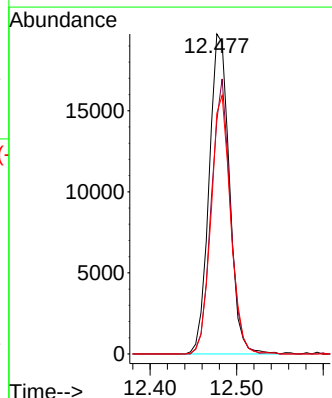
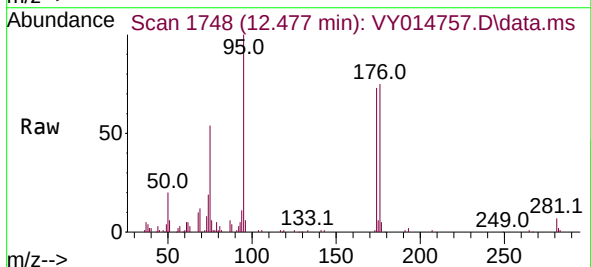
Instrument :
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ClientSampleId :
B-P21A

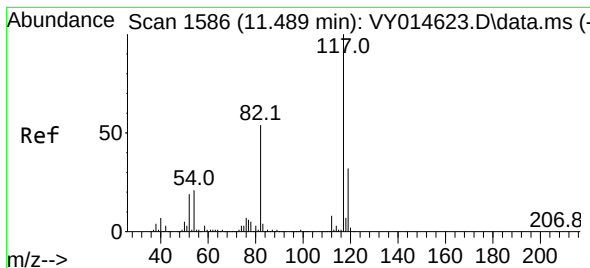
Tgt Ion: 98 Resp: 98277
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 41.725 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014757.D
Acq: 21 Jul 2023 19:16

Tgt Ion: 95 Resp: 32097
Ion Ratio Lower Upper
95 100
174 80.3 0.0 178.2
176 78.2 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: VY014757.D

Acq: 21 Jul 2023 19:16

Instrument :

MSVOA_Y

ClientSampleId :

B-P21A

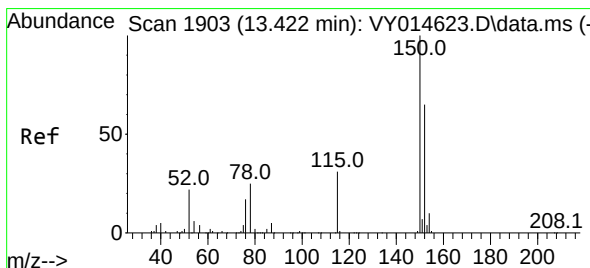
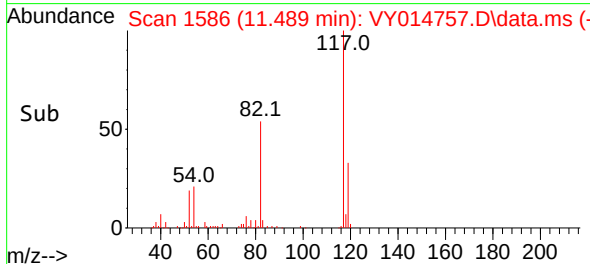
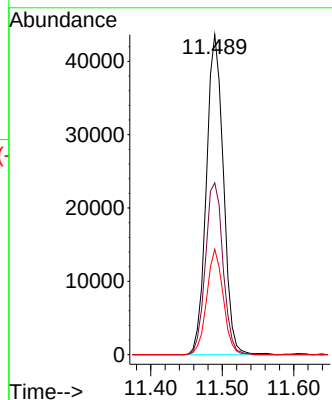
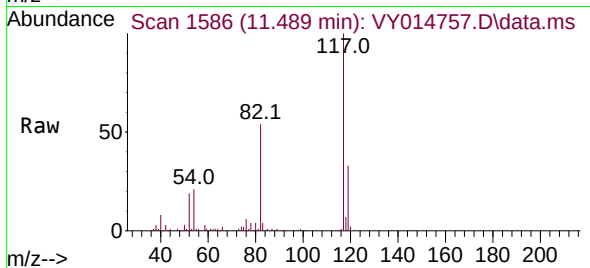
Tgt Ion:117 Resp: 72203

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 33.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014757.D

Acq: 21 Jul 2023 19:16

Tgt Ion:152 Resp: 30382

Ion Ratio Lower Upper

152 100

115 60.3 28.8 86.5

150 159.9 0.0 348.8

