

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014734.D
 Acq On : 21 Jul 2023 10:13
 Operator : SY/MD
 Sample : VY0721SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0721SBL01

Quant Time: Jul 22 05:31:27 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	226755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	396429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	369552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175549	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	136925	52.990	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.980%
35) Dibromofluoromethane	7.722	113	125259	49.636	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.280%
50) Toluene-d8	10.179	98	465965	50.083	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.160%
62) 4-Bromofluorobenzene	12.483	95	175439	49.178	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.360%

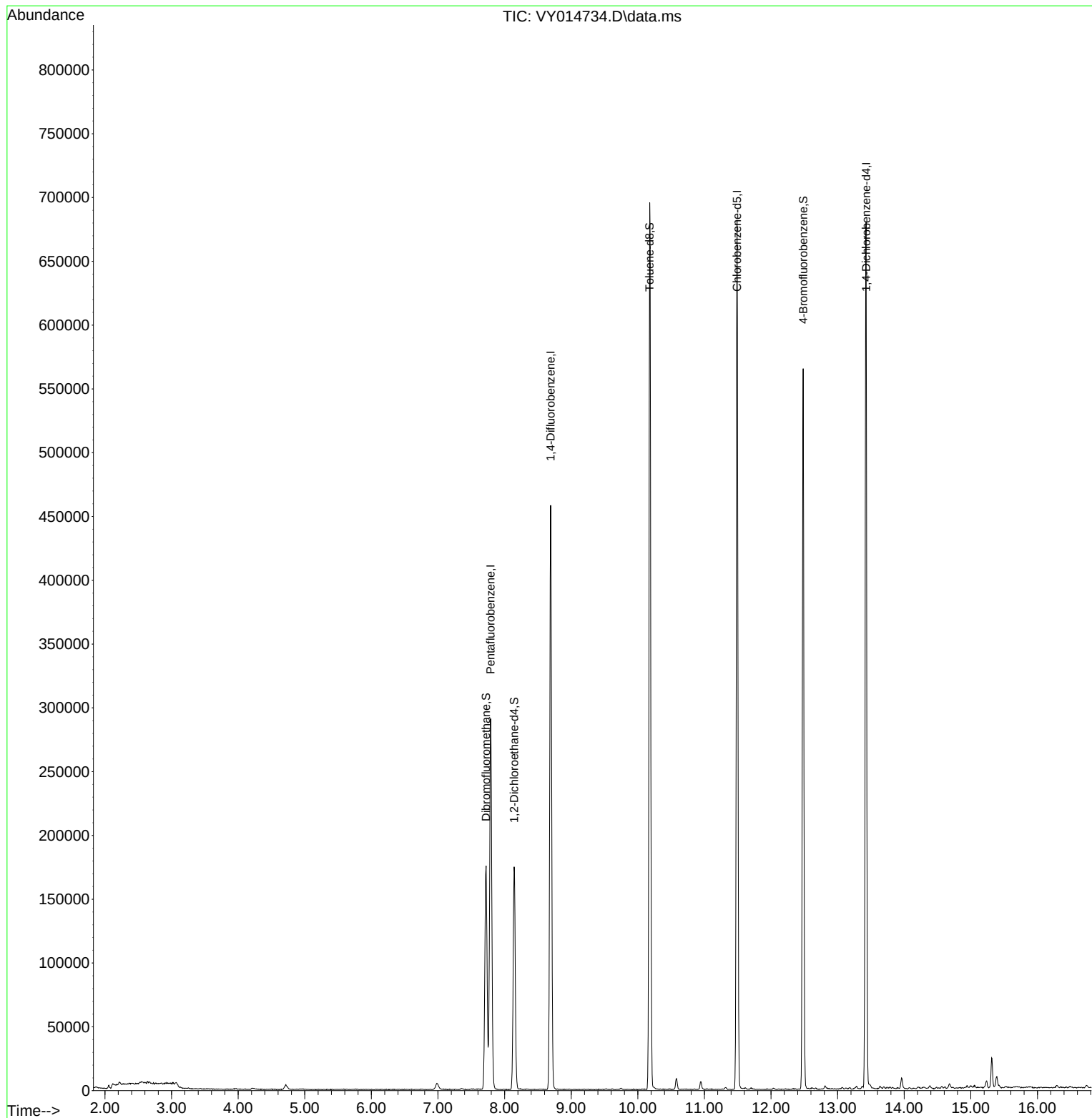
Target Compounds	Qvalue

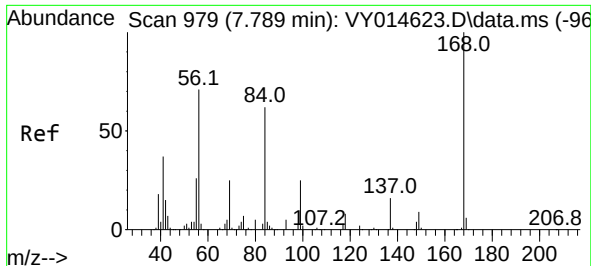
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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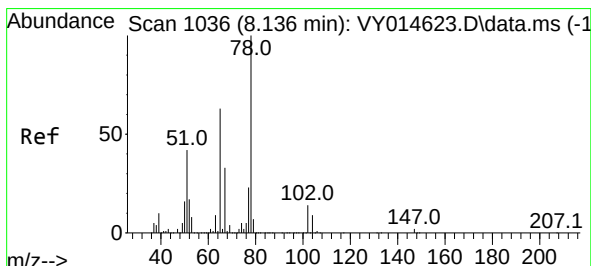
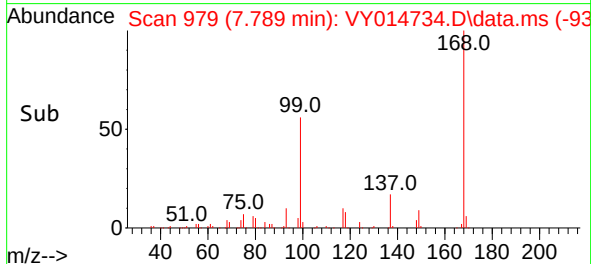
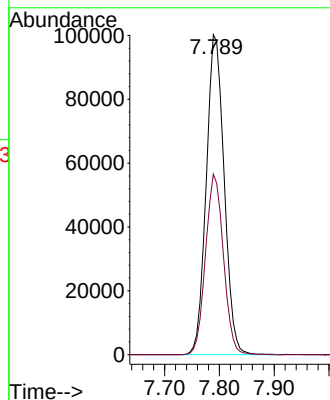
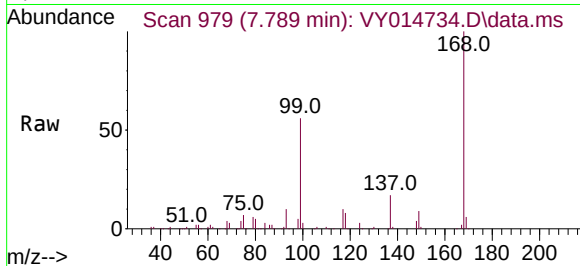




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014734.D
Acq: 21 Jul 2023 10:13

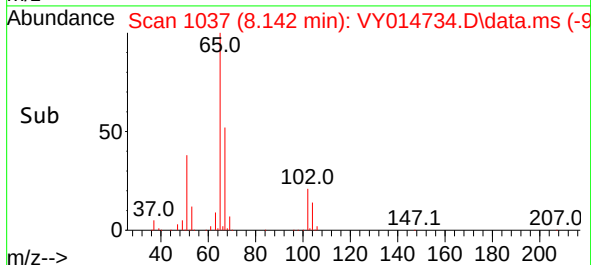
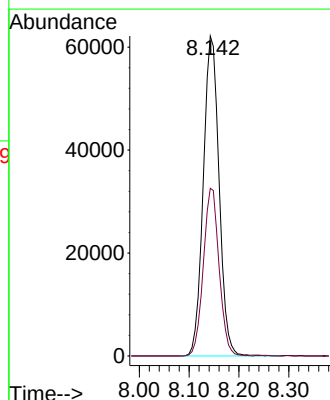
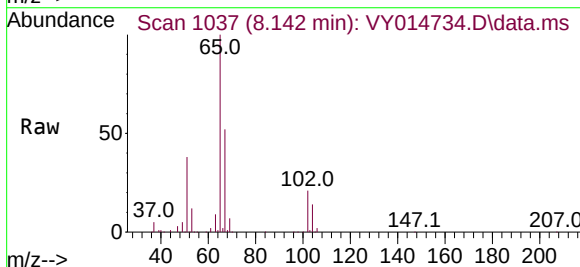
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBL01

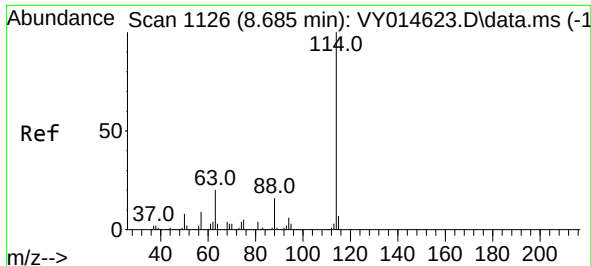
Tgt Ion:168 Resp: 226755
Ion Ratio Lower Upper
168 100
99 56.5 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 52.990 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014734.D
Acq: 21 Jul 2023 10:13

Tgt Ion: 65 Resp: 136925
Ion Ratio Lower Upper
65 100
67 52.2 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: VY014734.D

Acq: 21 Jul 2023 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBL01

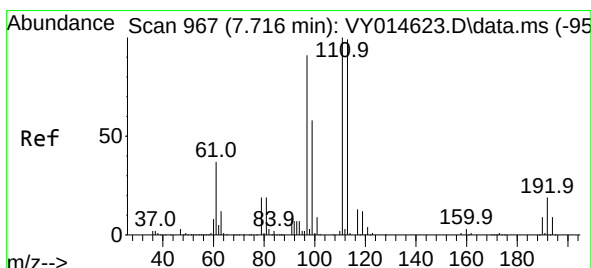
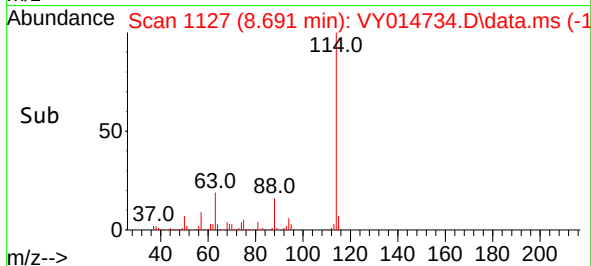
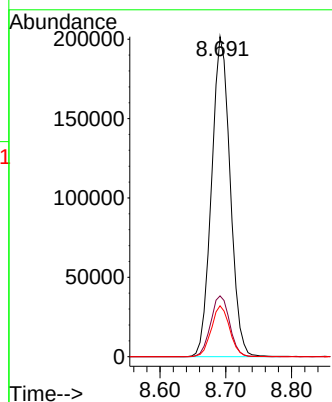
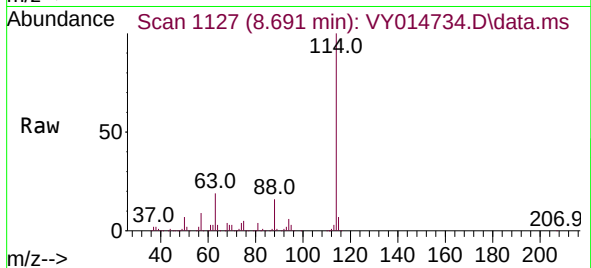
Tgt Ion:114 Resp: 396429

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.636 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014734.D

Acq: 21 Jul 2023 10:13

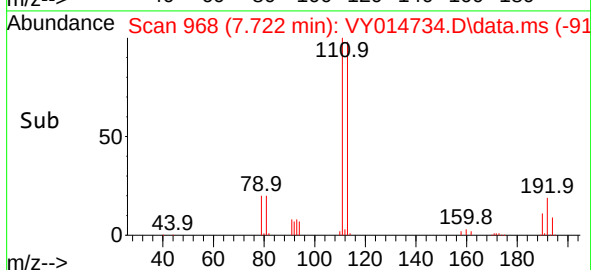
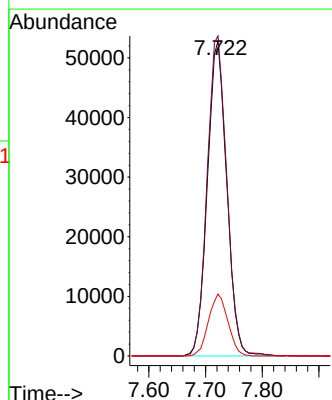
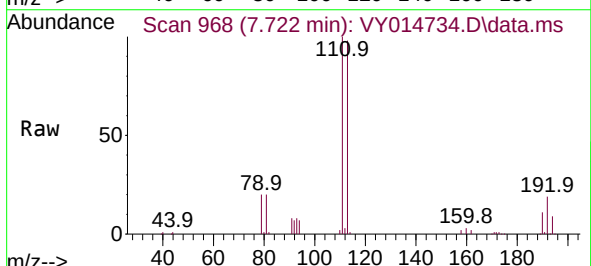
Tgt Ion:113 Resp: 125259

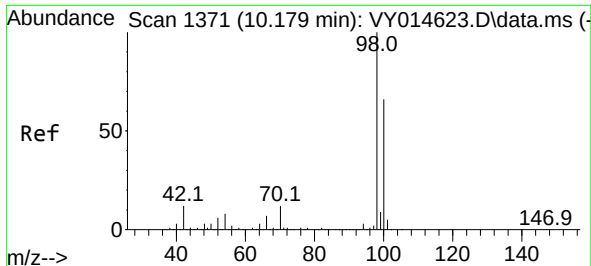
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 19.7 16.9 25.3

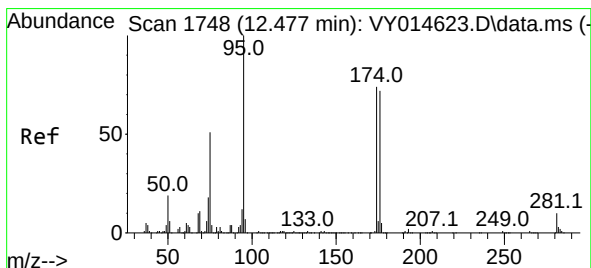
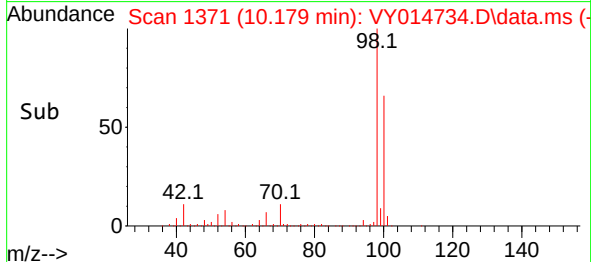
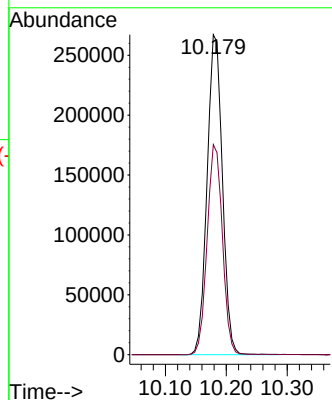
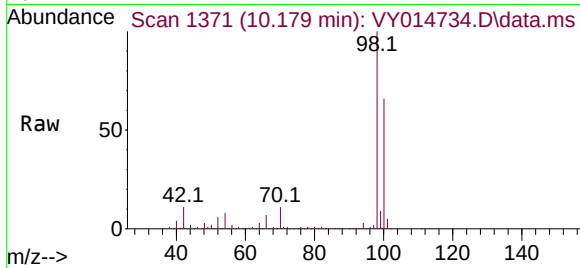




#50
Toluene-d8
Concen: 50.083 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014734.D
Acq: 21 Jul 2023 10:13

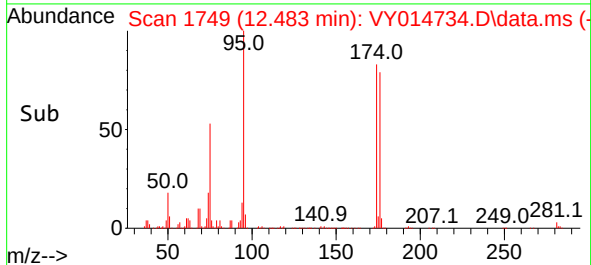
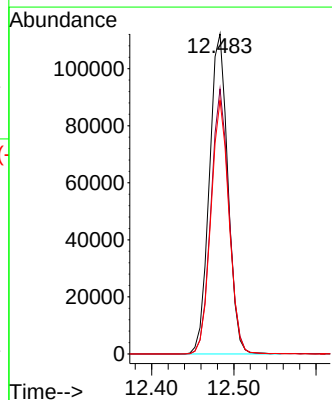
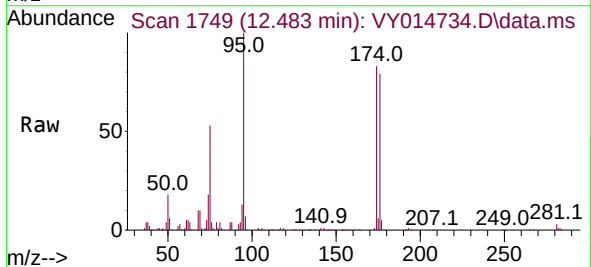
Instrument :
MSVOA_Y
ClientSampleId :
VY0721SBL01

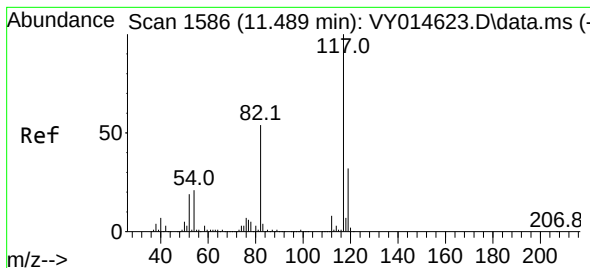
Tgt Ion: 98 Resp: 465965
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.178 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014734.D
Acq: 21 Jul 2023 10:13

Tgt Ion: 95 Resp: 175439
Ion Ratio Lower Upper
95 100
174 80.7 0.0 178.2
176 77.7 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: VY014734.D

Acq: 21 Jul 2023 10:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0721SBL01

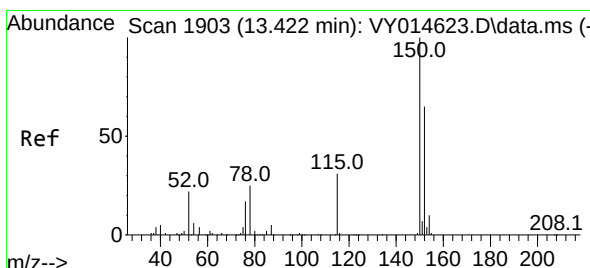
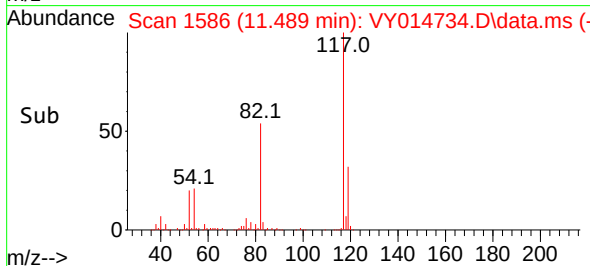
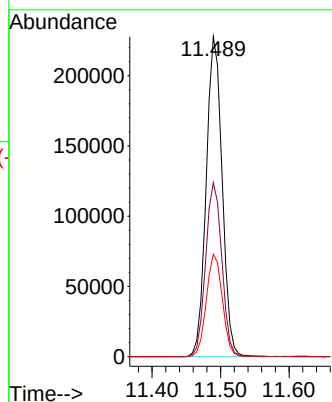
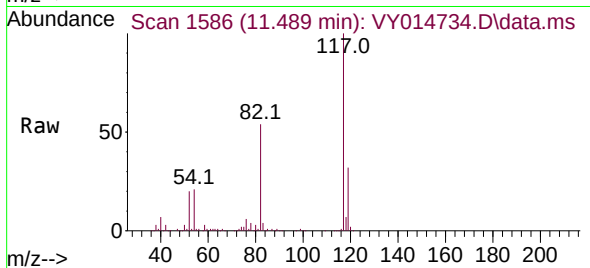
Tgt Ion:117 Resp: 369552

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 32.1 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: VY014734.D

Acq: 21 Jul 2023 10:13

Tgt Ion:152 Resp: 175549

Ion Ratio Lower Upper

152 100

115 60.4 28.8 86.5

150 157.4 0.0 348.8

