

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021325\
 Data File : VY021191.D
 Acq On : 13 Feb 2025 12:32
 Operator : SY/MD
 Sample : Q1353-01RE
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 346RE

Quant Time: Feb 14 00:44:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	14046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	18581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	11770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	2301	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	5454	37.898	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.800%
35) Dibromofluoromethane	7.640	113	5830	48.959	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.920%
50) Toluene-d8	10.115	98	19966	44.042	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.080%
62) 4-Bromofluorobenzene	12.414	95	3356	22.660	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	45.320%

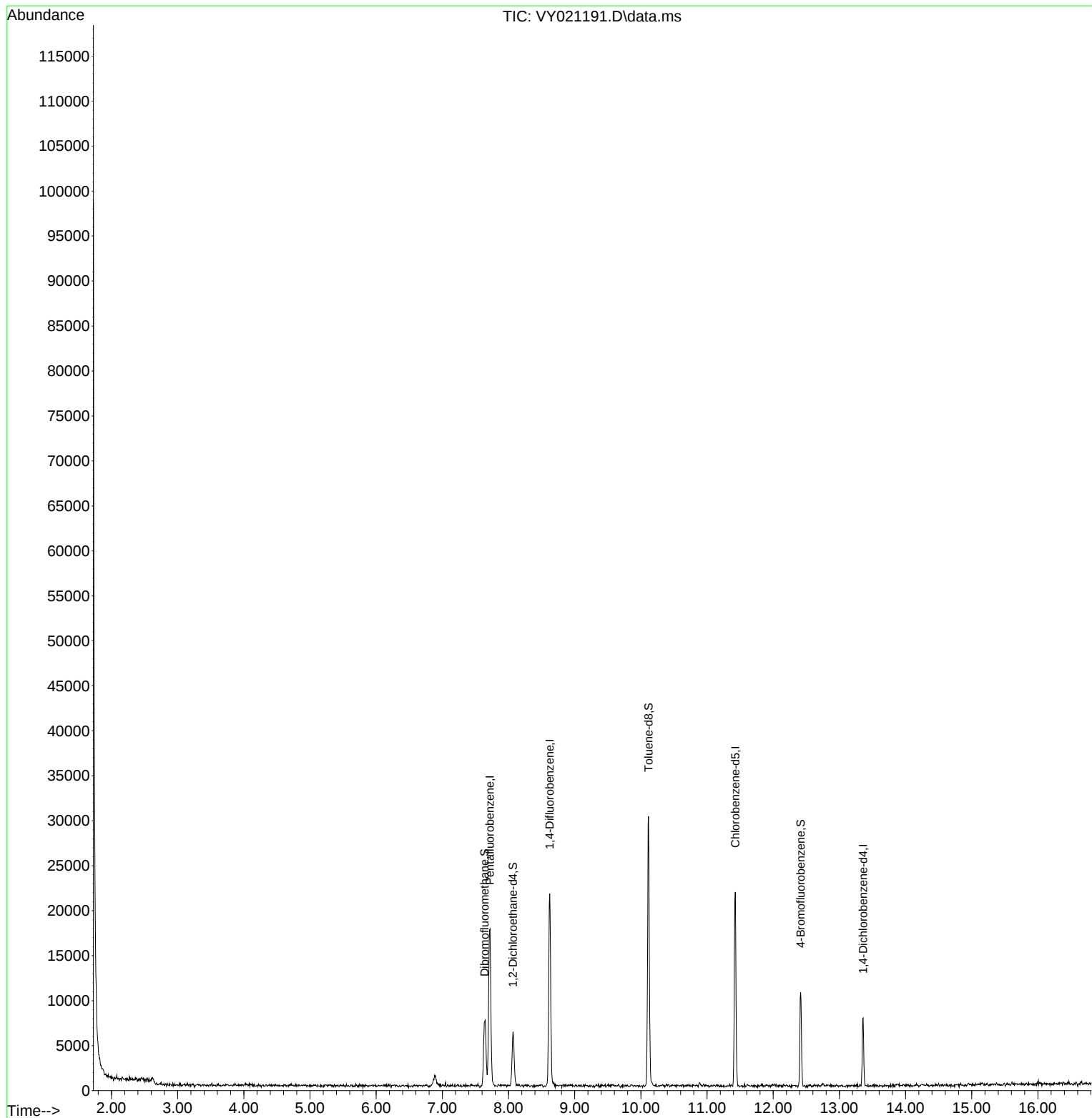
Target Compounds	Qvalue

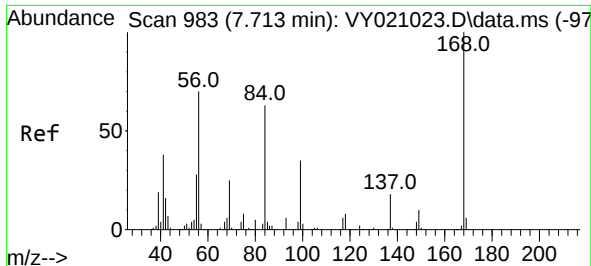
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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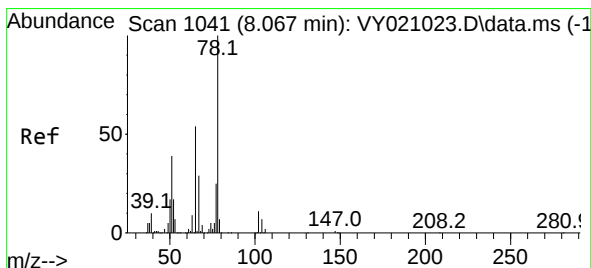
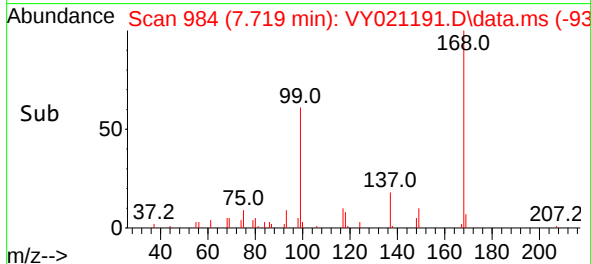
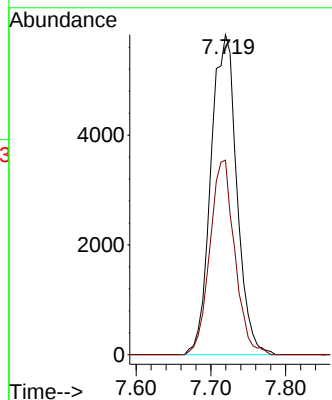
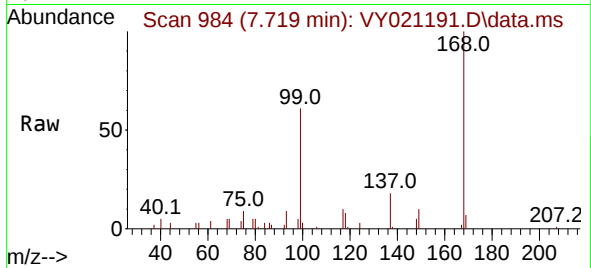




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

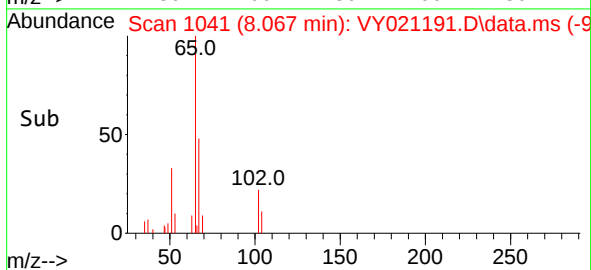
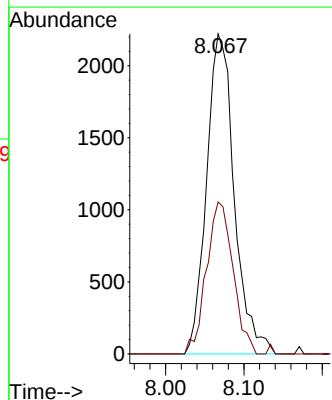
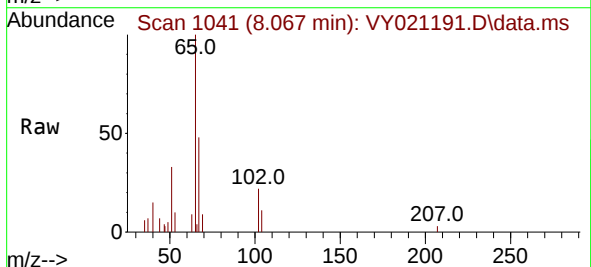
Instrument :
MSVOA_Y
ClientSampleId :
346RE

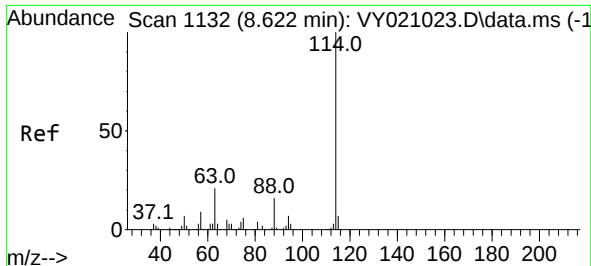
Tgt Ion:168 Resp: 14046
Ion Ratio Lower Upper
168 100
99 60.8 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 37.898 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

Tgt Ion: 65 Resp: 5454
Ion Ratio Lower Upper
65 100
67 45.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021191.D

Acq: 13 Feb 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

346RE

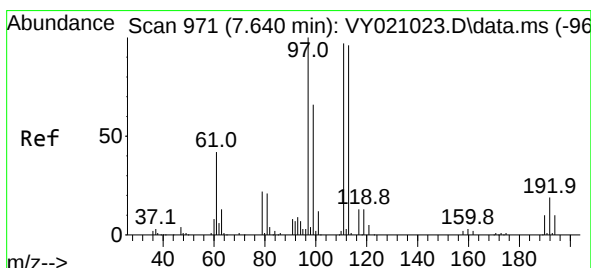
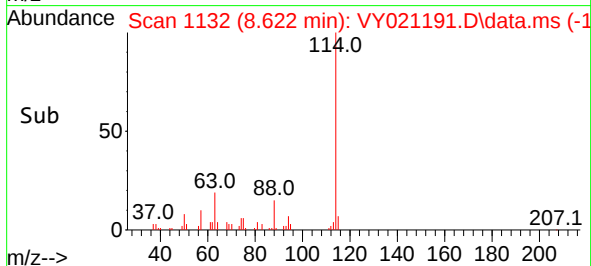
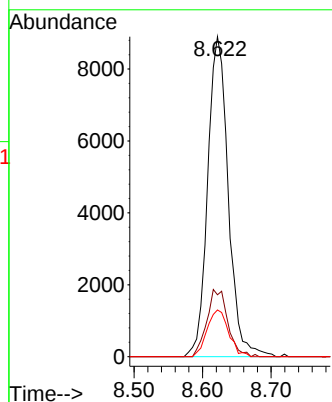
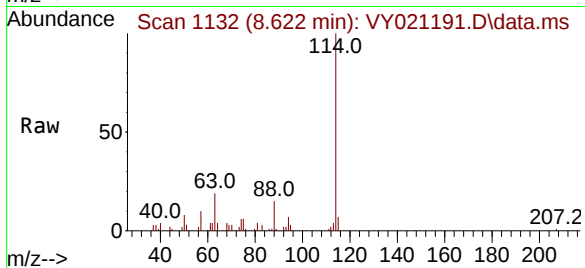
Tgt Ion:114 Resp: 18581

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 14.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 48.959 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021191.D

Acq: 13 Feb 2025 12:32

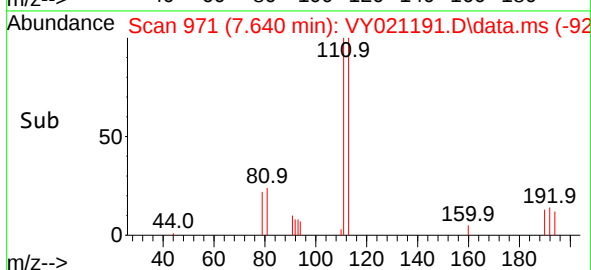
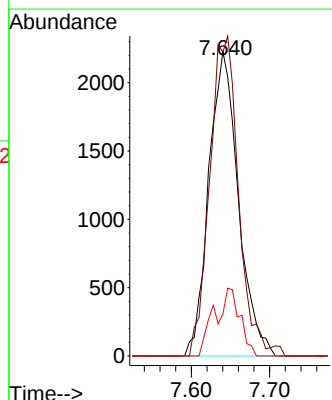
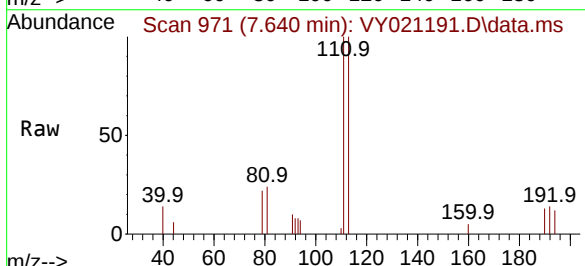
Tgt Ion:113 Resp: 5830

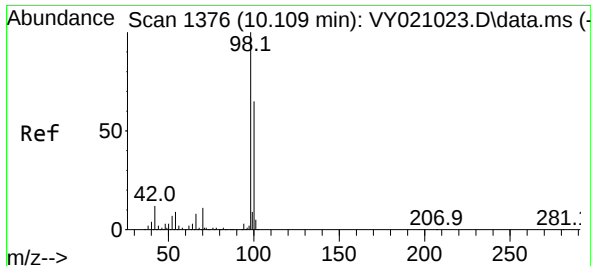
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 12.8 14.5 21.7#

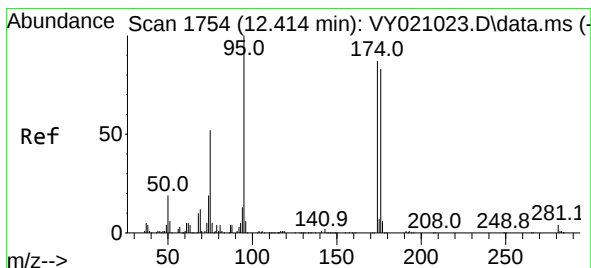
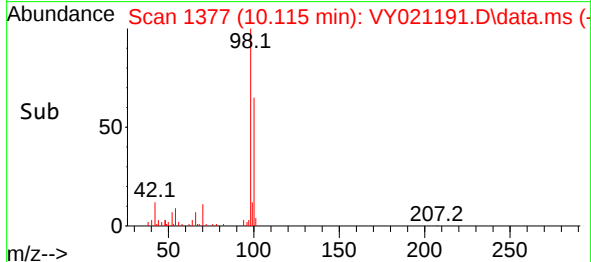
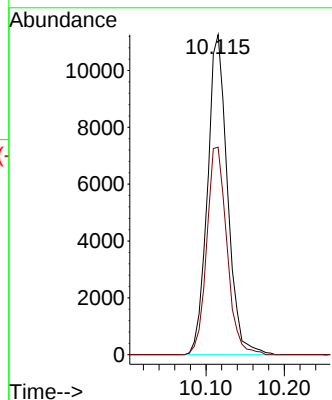
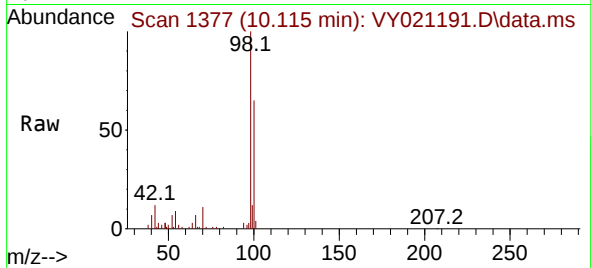




#50
Toluene-d8
Concen: 44.042 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

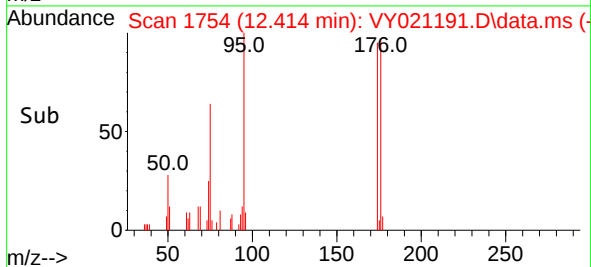
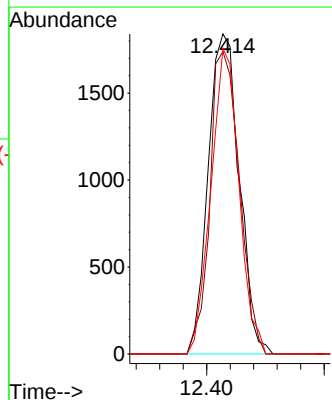
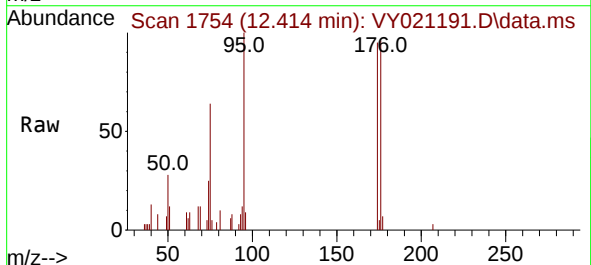
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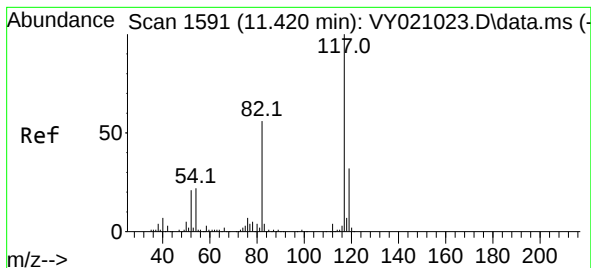
Tgt Ion: 98 Resp: 19966
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 22.660 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

Tgt Ion: 95 Resp: 3356
Ion Ratio Lower Upper
95 100
174 90.6 0.0 160.0
176 86.9 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021191.D

Acq: 13 Feb 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

346RE

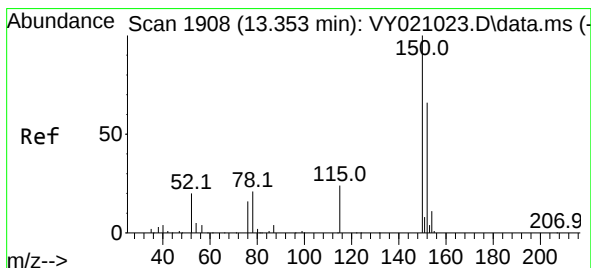
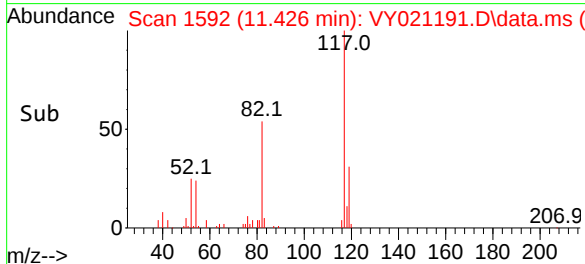
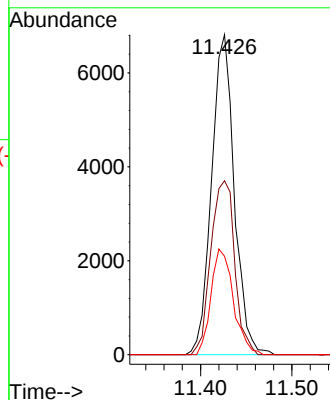
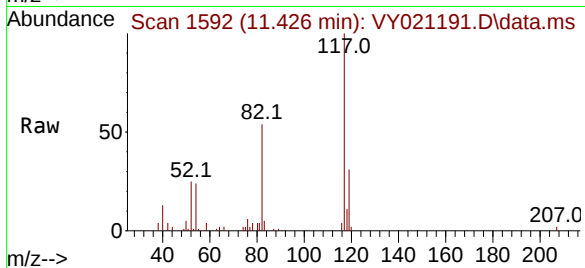
Tgt Ion:117 Resp: 11770

Ion Ratio Lower Upper

117 100

82 54.4 43.8 65.8

119 30.8 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY021191.D

Acq: 13 Feb 2025 12:32

Tgt Ion:152 Resp: 2301

Ion Ratio Lower Upper

152 100

115 57.1 30.0 90.0

150 151.6 0.0 344.6

