

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021825\
 Data File : VY021230.D
 Acq On : 18 Feb 2025 15:05
 Operator : SY/MD
 Sample : Q1385-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ST-1

Quant Time: Feb 19 04:14:47 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	180973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	342303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	305929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	111240	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	97713	52.698	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.400%
35) Dibromofluoromethane	7.646	113	90556	41.280	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.560%
50) Toluene-d8	10.115	98	411396	49.260	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.520%
62) 4-Bromofluorobenzene	12.414	95	123873	45.401	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.800%

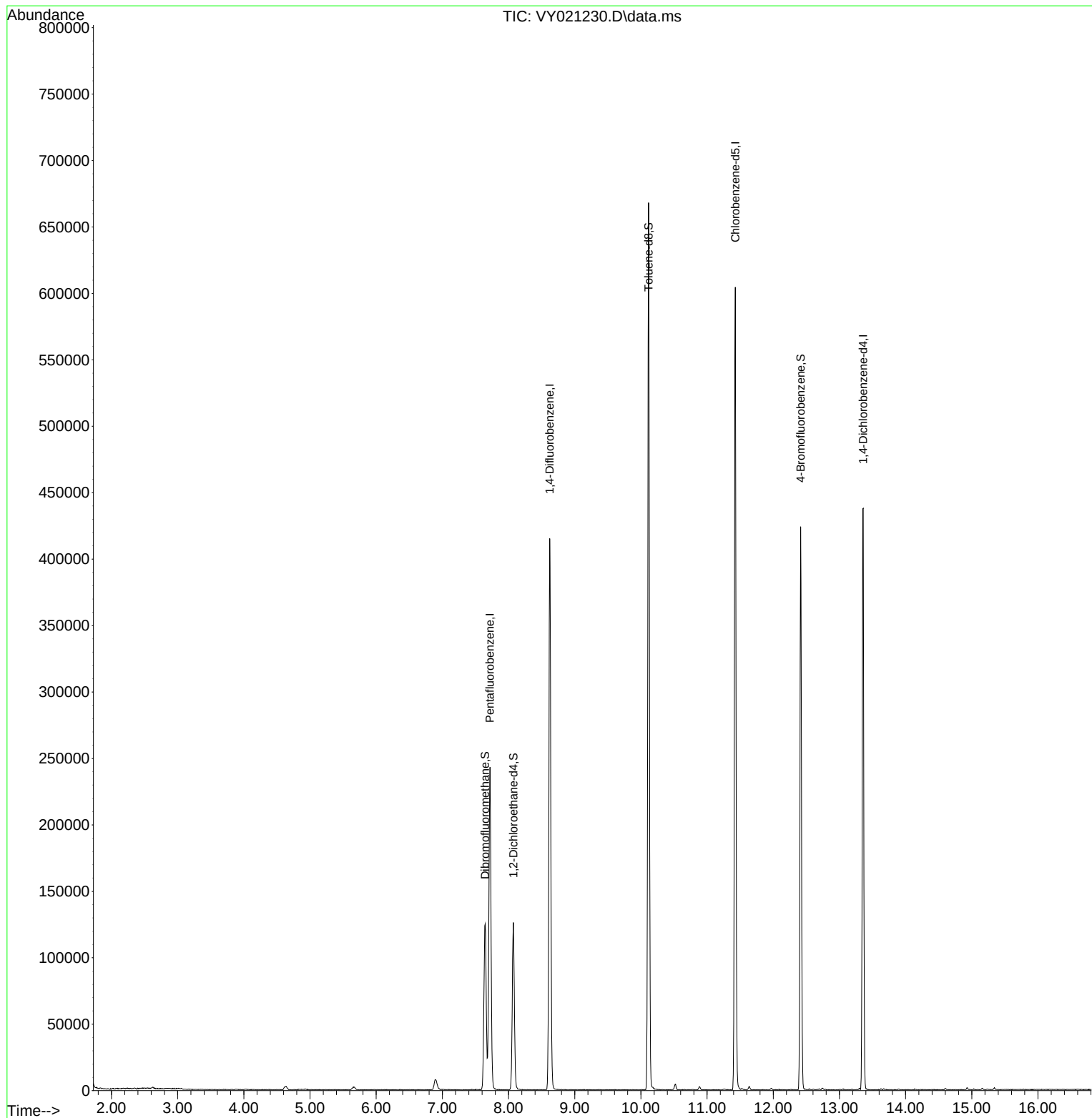
Target Compounds	Qvalue

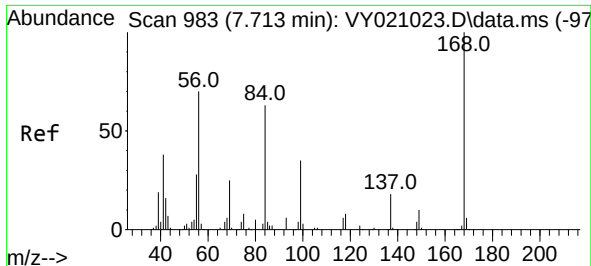
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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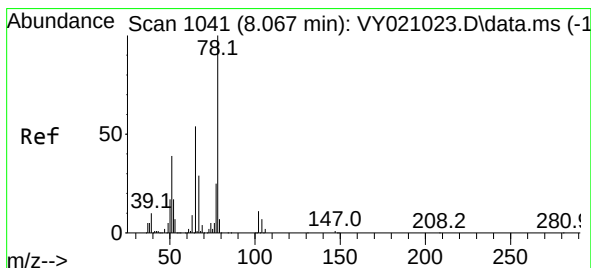
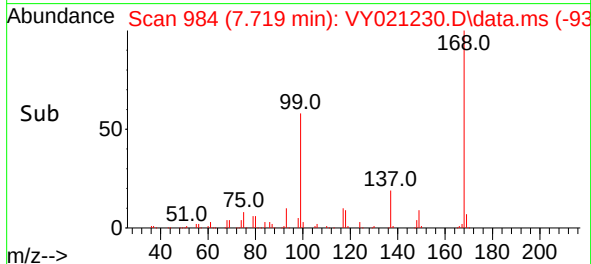
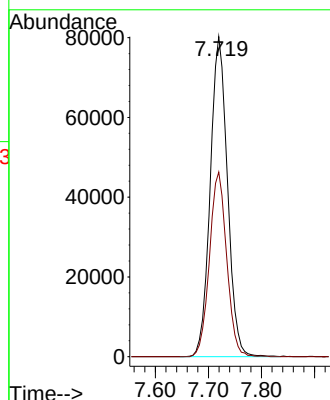
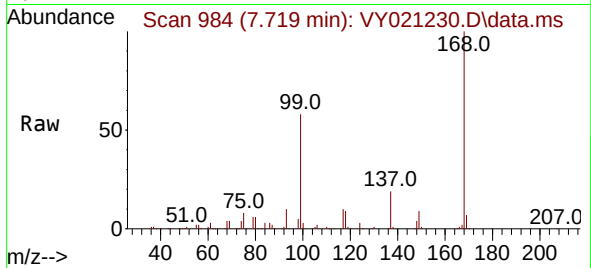




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021230.D
Acq: 18 Feb 2025 15:05

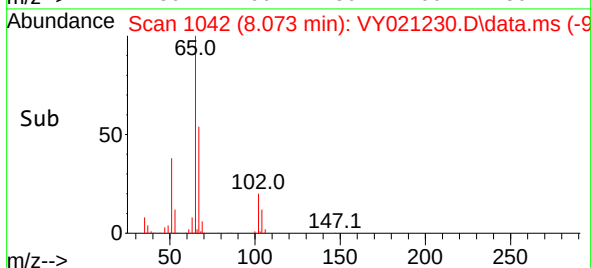
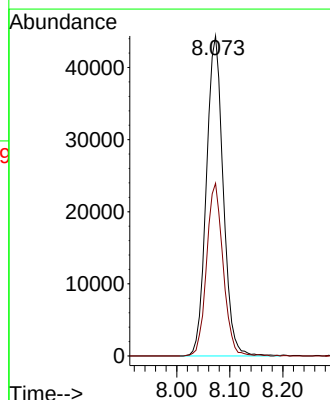
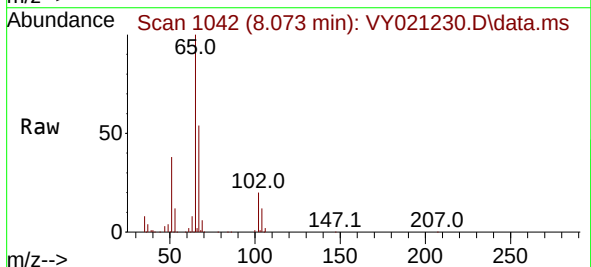
Instrument :
MSVOA_Y
ClientSampleId :
ST-1

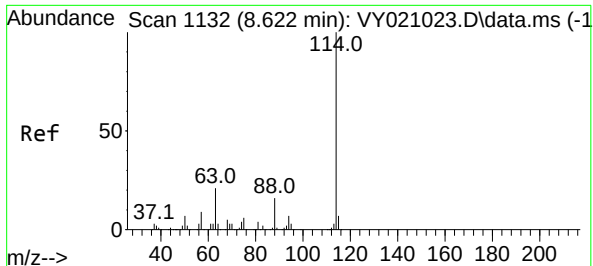
Tgt Ion:168 Resp: 180973
Ion Ratio Lower Upper
168 100
99 57.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 52.698 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021230.D
Acq: 18 Feb 2025 15:05

Tgt Ion: 65 Resp: 97713
Ion Ratio Lower Upper
65 100
67 52.8 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: VY021230.D

Acq: 18 Feb 2025 15:05

Instrument :

MSVOA_Y

ClientSampleId :

ST-1

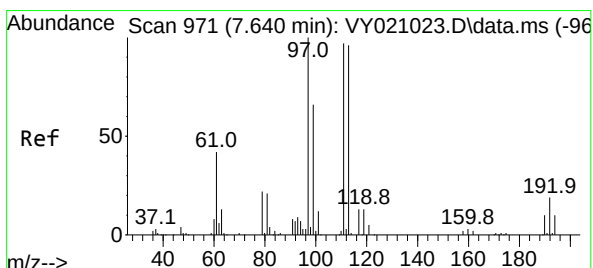
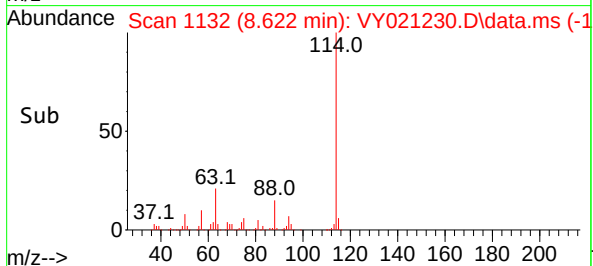
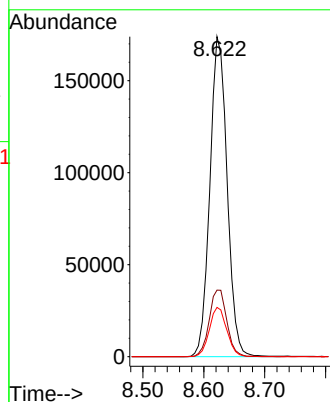
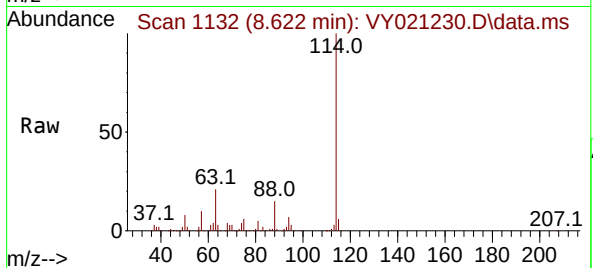
Tgt Ion:114 Resp: 342303

Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 15.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 41.280 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY021230.D

Acq: 18 Feb 2025 15:05

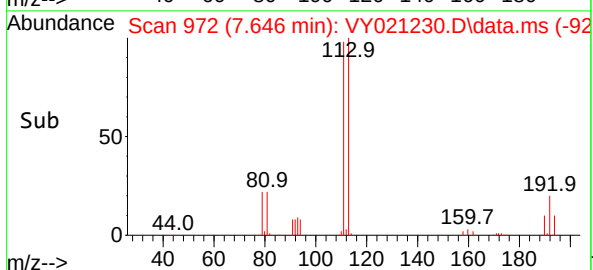
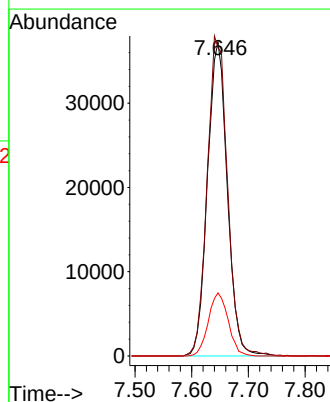
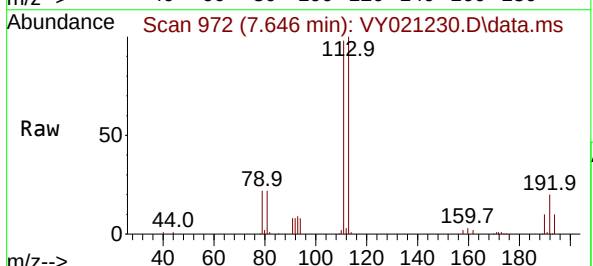
Tgt Ion:113 Resp: 90556

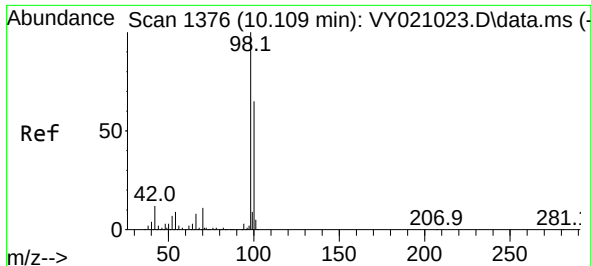
Ion Ratio Lower Upper

113 100

111 104.3 83.8 125.6

192 20.1 14.5 21.7

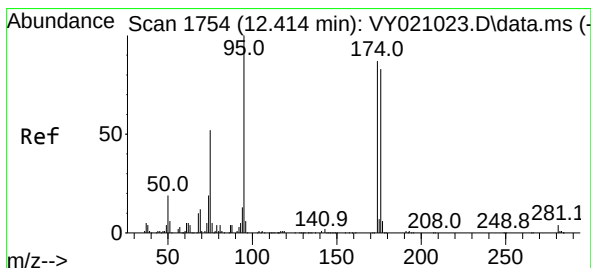
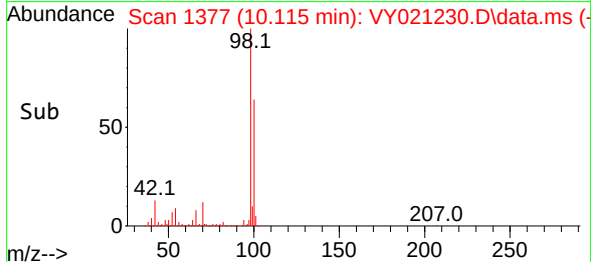
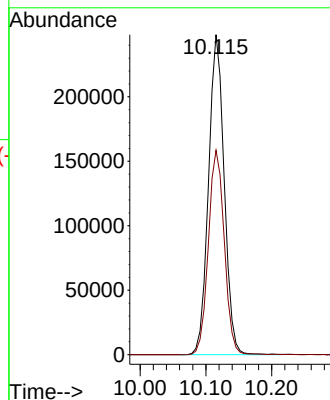
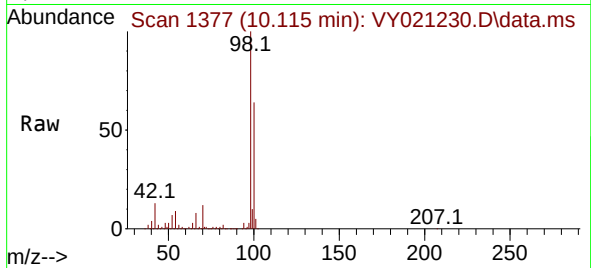




#50
Toluene-d8
Concen: 49.260 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021230.D
Acq: 18 Feb 2025 15:05

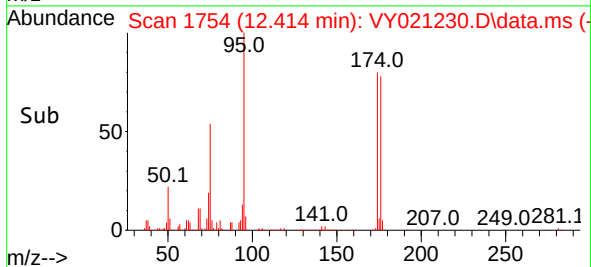
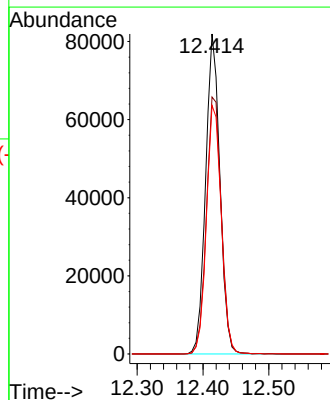
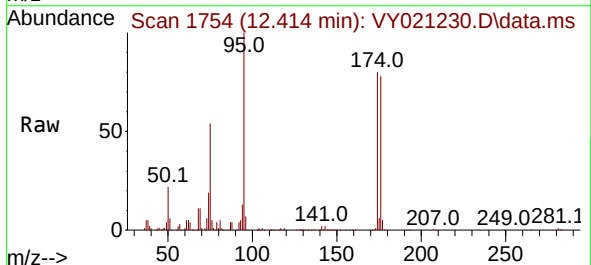
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ST-1

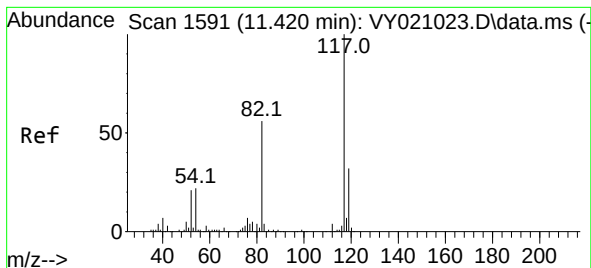
Tgt Ion: 98 Resp: 411396
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 45.401 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021230.D
Acq: 18 Feb 2025 15:05

Tgt Ion: 95 Resp: 123873
Ion Ratio Lower Upper
95 100
174 84.0 0.0 160.0
176 80.5 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: VY021230.D

Acq: 18 Feb 2025 15:05

Instrument :

MSVOA_Y

ClientSampleId :

ST-1

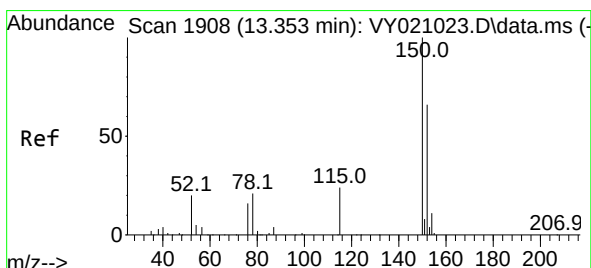
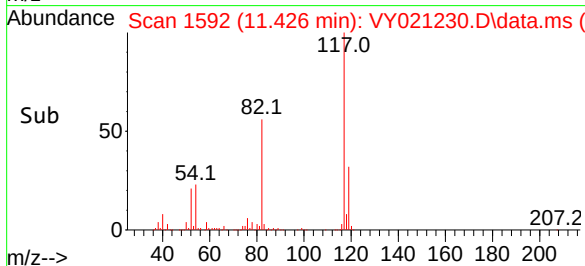
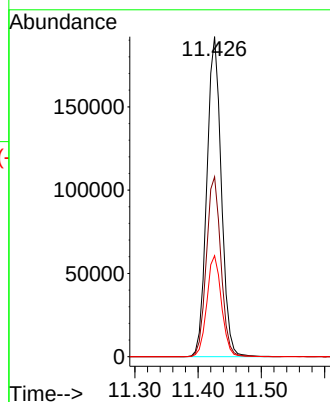
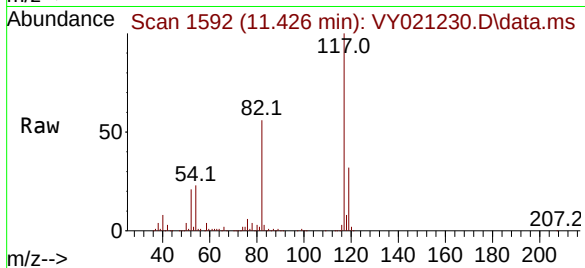
Tgt Ion:117 Resp: 305929

Ion Ratio Lower Upper

117 100

82 56.2 43.8 65.8

119 31.6 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: VY021230.D

Acq: 18 Feb 2025 15:05

Tgt Ion:152 Resp: 111240

Ion Ratio Lower Upper

152 100

115 58.0 30.0 90.0

150 153.8 0.0 344.6

