

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021672.D
 Acq On : 27 Mar 2025 17:21
 Operator : SY/MD
 Sample : Q1650-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 STOCK-PILE-BIN2

Quant Time: Mar 28 04:03:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	2649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	4268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	2599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	463	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	2172	75.676	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	151.360%
35) Dibromofluoromethane	7.634	113	1772	64.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	128.000%
50) Toluene-d8	10.109	98	4578	43.465	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.940%
62) 4-Bromofluorobenzene	12.402	95	470	13.193	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	26.380%#

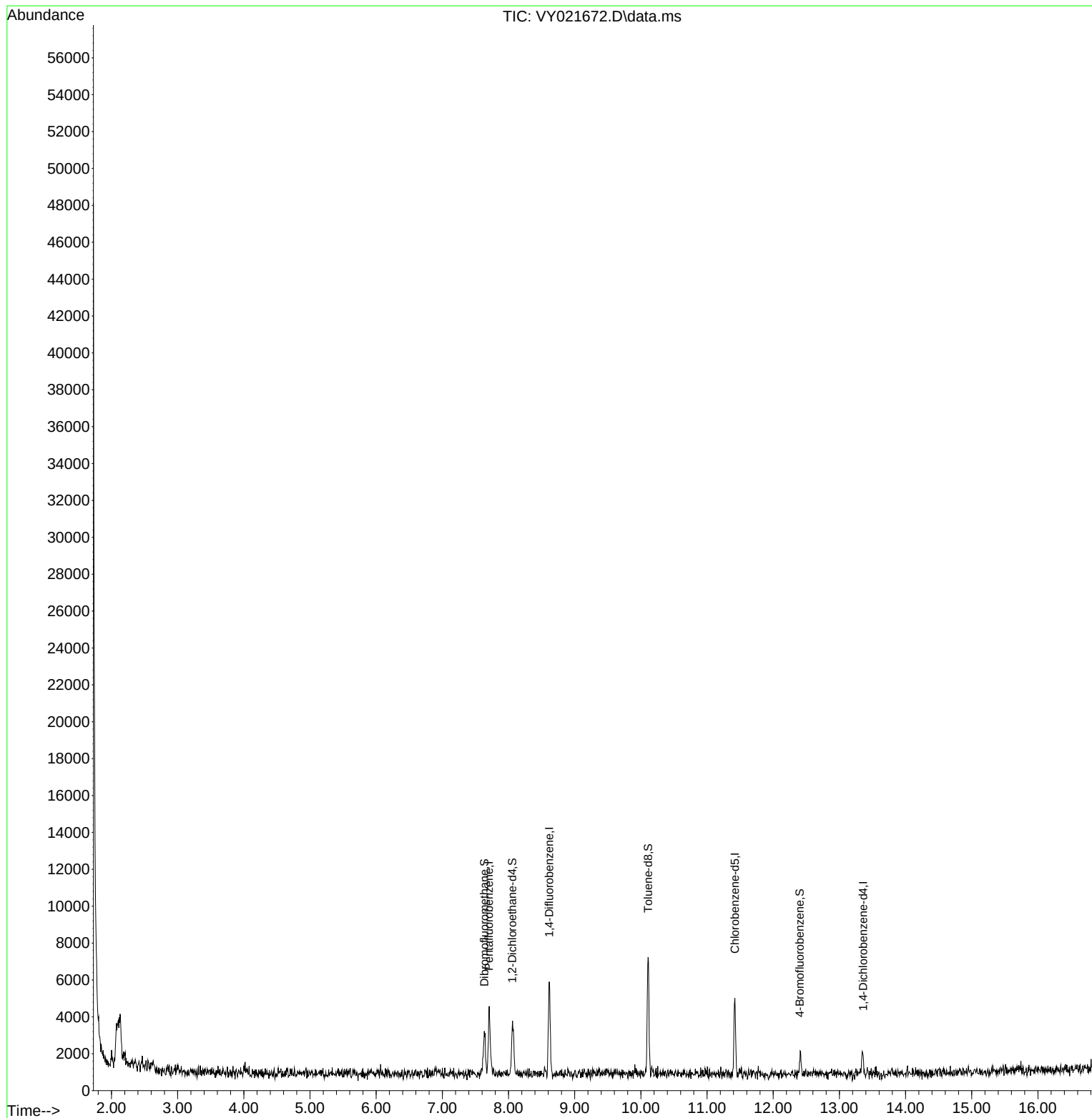
Target Compounds	Qvalue

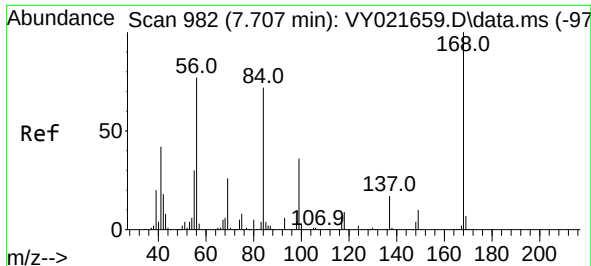
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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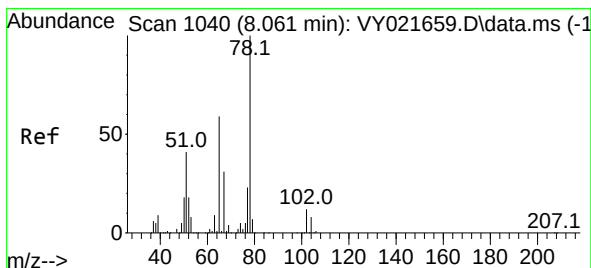
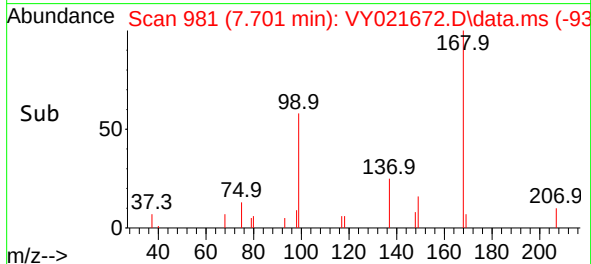
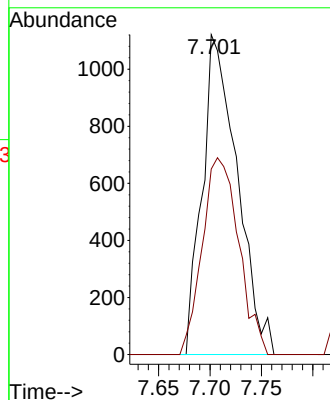
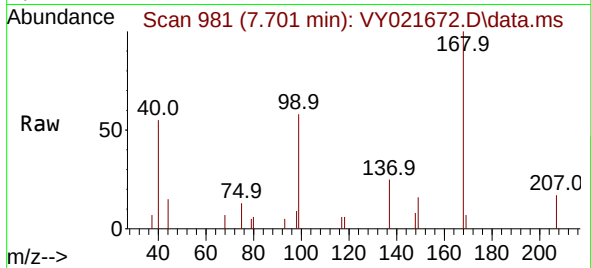




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021672.D
Acq: 27 Mar 2025 17:21

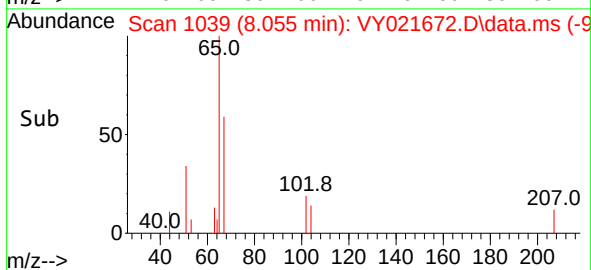
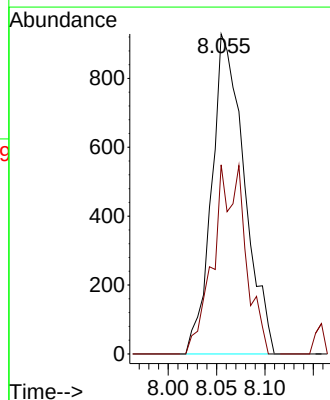
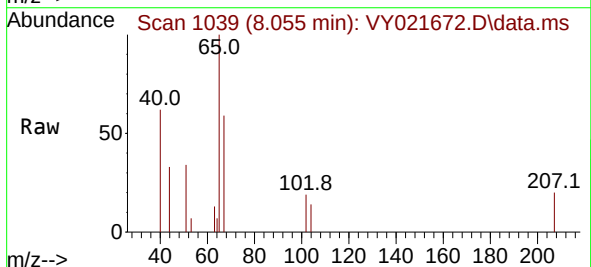
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE-BIN2

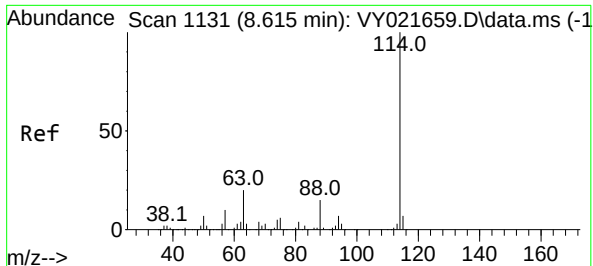
Tgt Ion:168 Resp: 2649
Ion Ratio Lower Upper
168 100
99 58.0 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 75.676 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021672.D
Acq: 27 Mar 2025 17:21

Tgt Ion: 65 Resp: 2172
Ion Ratio Lower Upper
65 100
67 57.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021672.D

Acq: 27 Mar 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

STOCK-PILE-BIN2

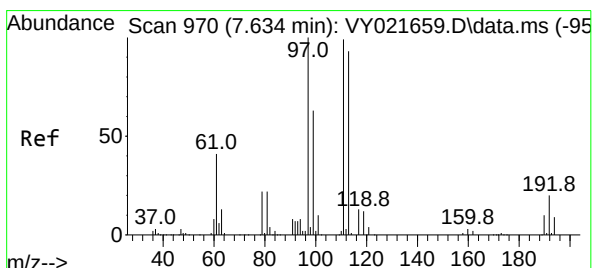
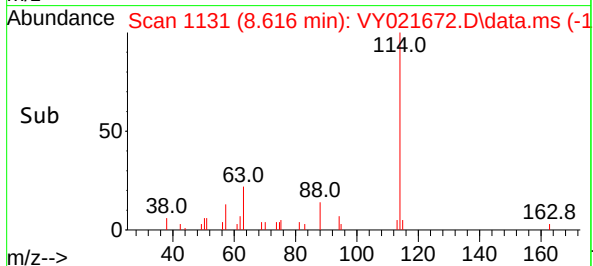
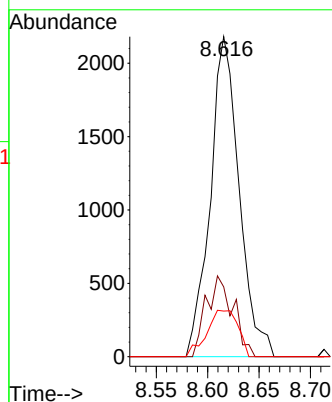
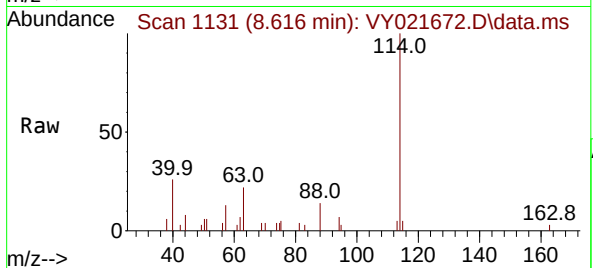
Tgt Ion:114 Resp: 4268

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.2

88 14.3 0.0 29.8



#35

Dibromofluoromethane

Concen: 64.004 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021672.D

Acq: 27 Mar 2025 17:21

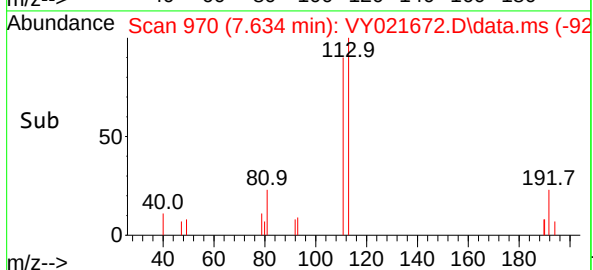
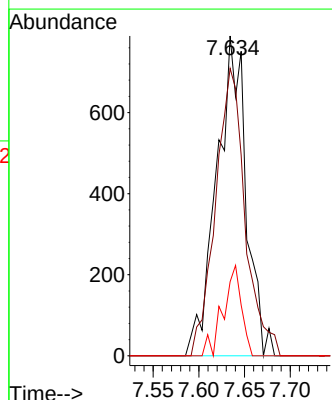
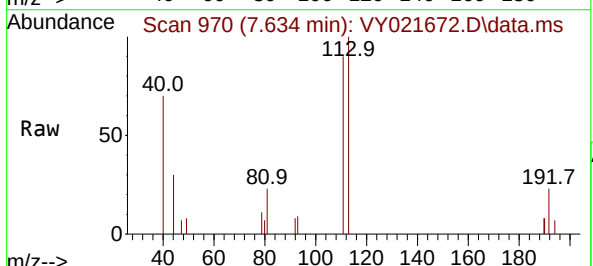
Tgt Ion:113 Resp: 1772

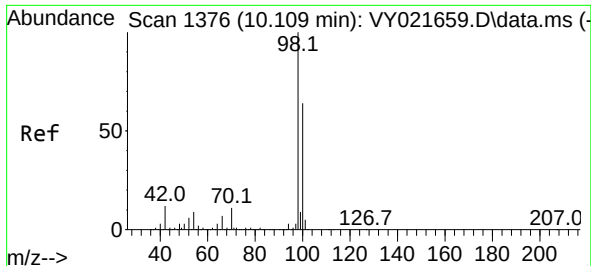
Ion Ratio Lower Upper

113 100

111 90.0 82.6 123.8

192 17.4 16.2 24.4

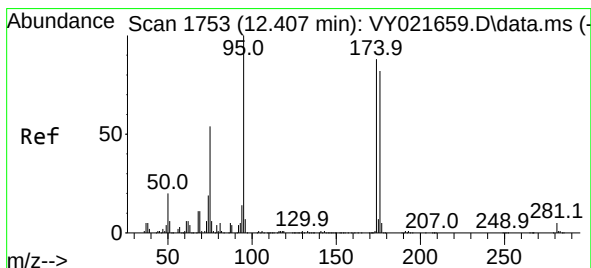
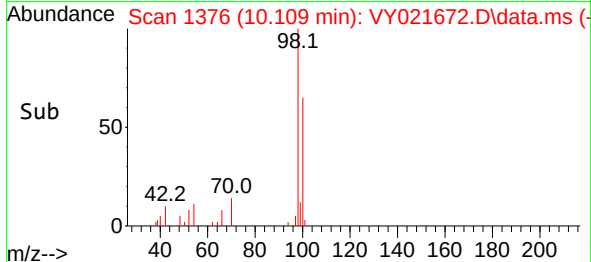
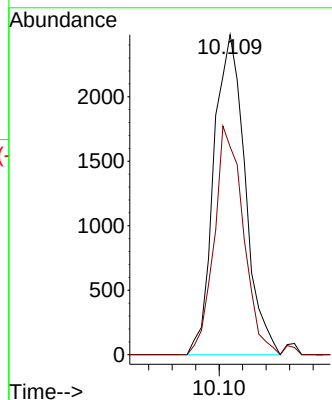
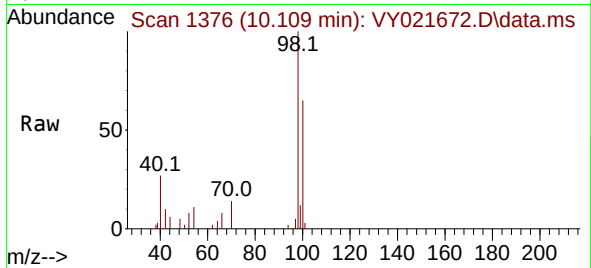




#50
Toluene-d8
Concen: 43.465 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021672.D
Acq: 27 Mar 2025 17:21

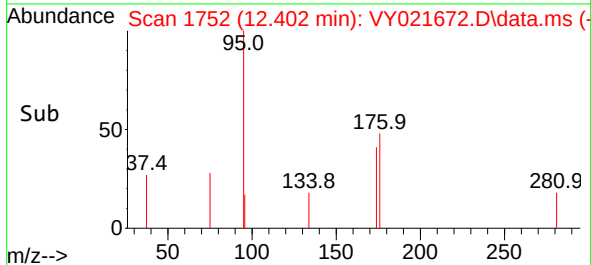
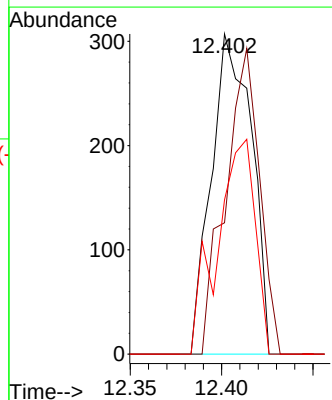
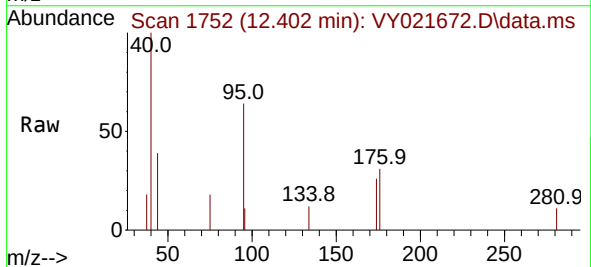
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE-BIN2

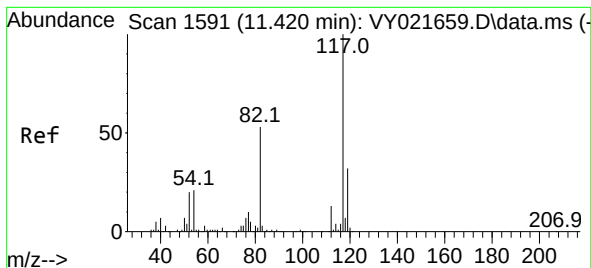
Tgt Ion: 98 Resp: 4578
Ion Ratio Lower Upper
98 100
100 66.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 13.193 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021672.D
Acq: 27 Mar 2025 17:21

Tgt Ion: 95 Resp: 470
Ion Ratio Lower Upper
95 100
174 80.6 0.0 170.8
176 63.4 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021672.D

Acq: 27 Mar 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

STOCK-PILE-BIN2

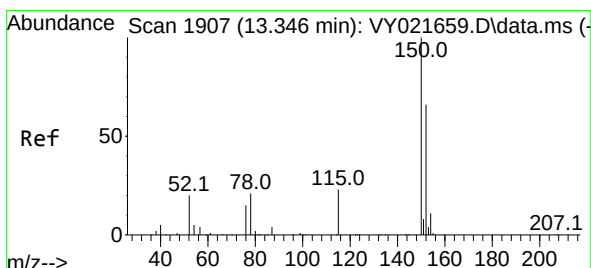
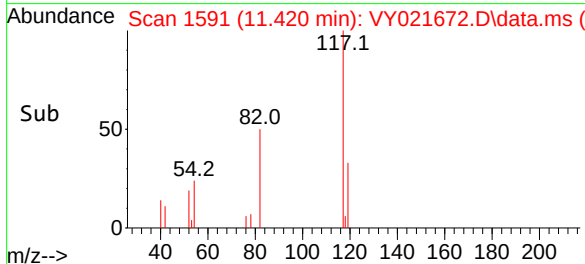
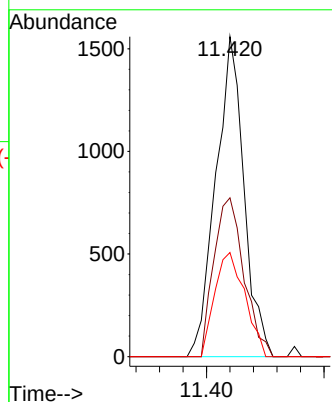
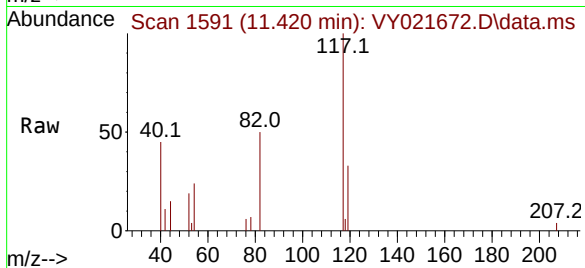
Tgt Ion:117 Resp: 2599

Ion Ratio Lower Upper

117 100

82 49.6 42.8 64.2

119 32.5 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.012 min

Lab File: VY021672.D

Acq: 27 Mar 2025 17:21

Tgt Ion:152 Resp: 463

Ion Ratio Lower Upper

152 100

115 45.1 28.8 86.5

150 149.9 0.0 348.4

