

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023247.D
 Acq On : 29 Aug 2025 15:05
 Operator : SY/MD
 Sample : Q2989-01
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOUTH-TP-5

Quant Time: Aug 30 01:23:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	511122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	969736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	892711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	375828	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	291410	59.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.640%
35) Dibromofluoromethane	7.634	113	321737	55.447	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.900%
50) Toluene-d8	10.109	98	1166139	51.444	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.880%
62) 4-Bromofluorobenzene	12.401	95	357608	49.054	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.100%

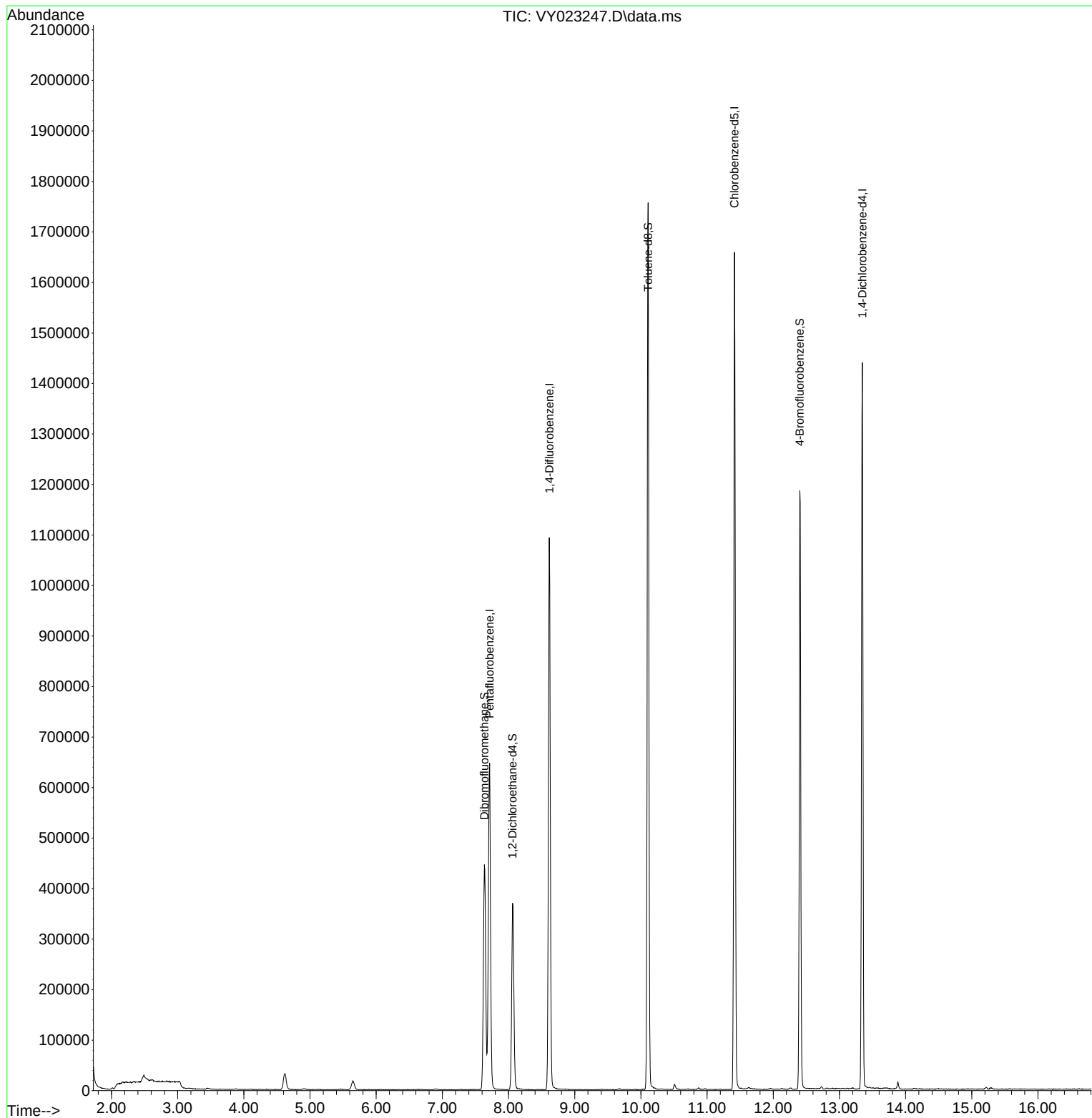
Target Compounds	Qvalue

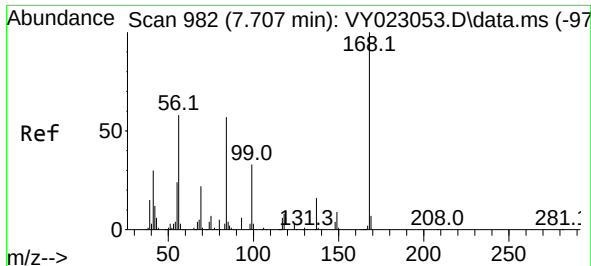
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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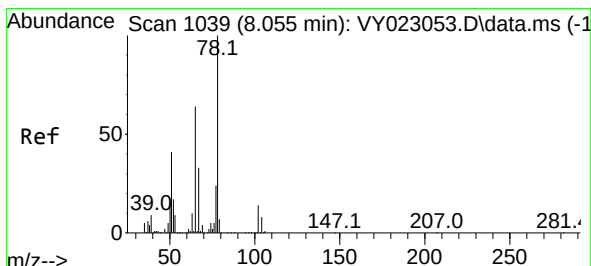
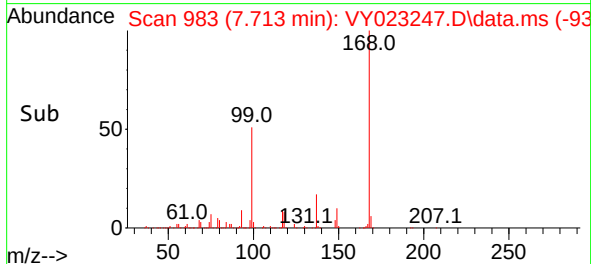
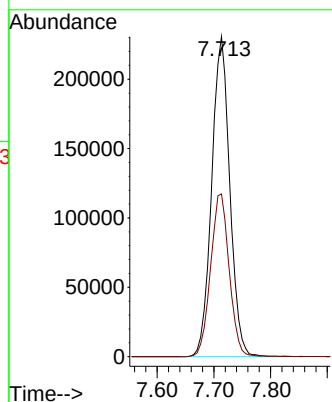
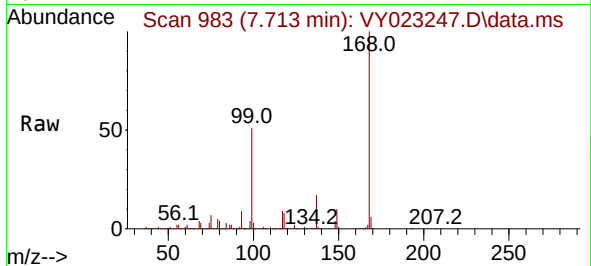




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023247.D
Acq: 29 Aug 2025 15:05

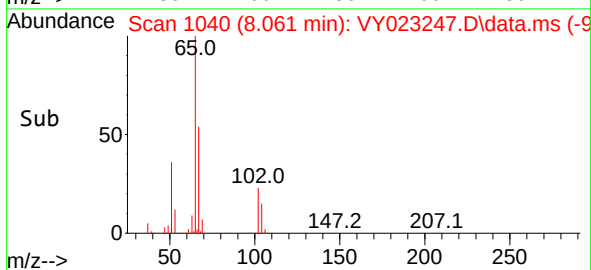
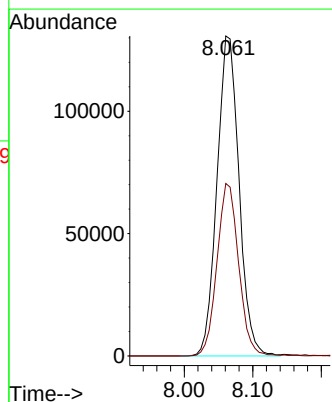
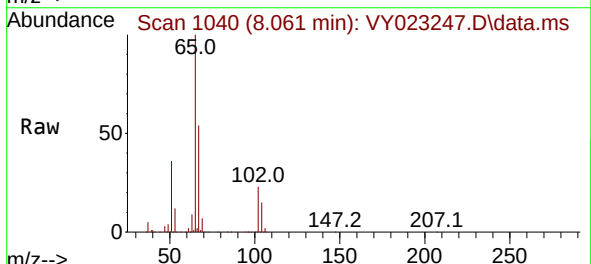
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-5

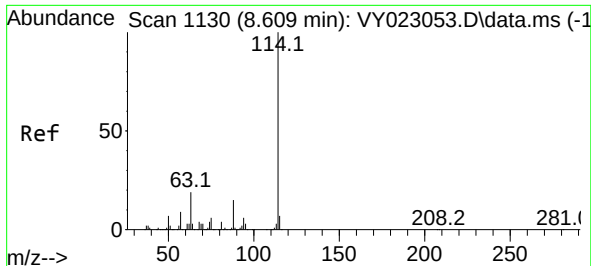
Tgt Ion:168 Resp: 511122
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 59.821 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023247.D
Acq: 29 Aug 2025 15:05

Tgt Ion: 65 Resp: 291410
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8

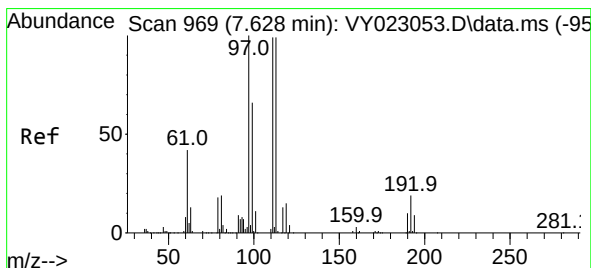
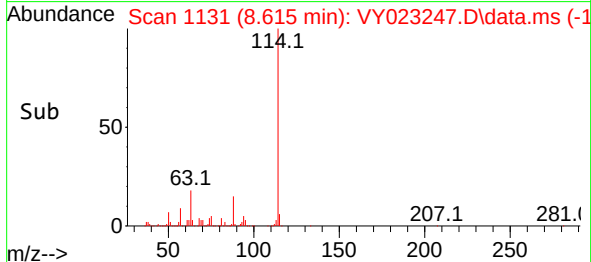
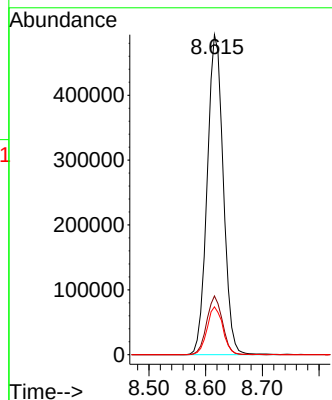
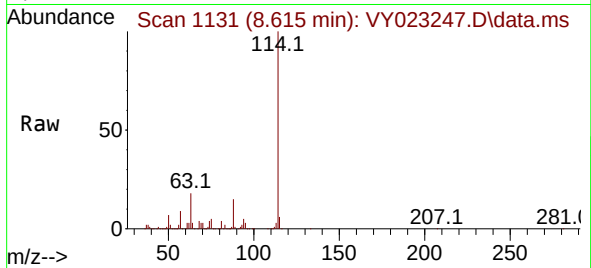




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023247.D
Acq: 29 Aug 2025 15:05

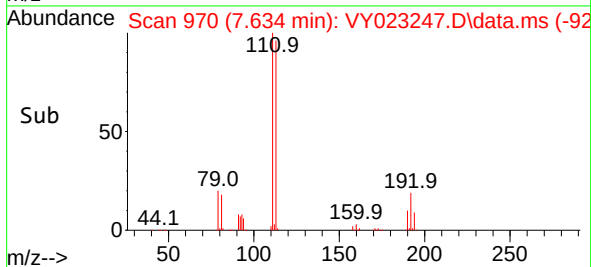
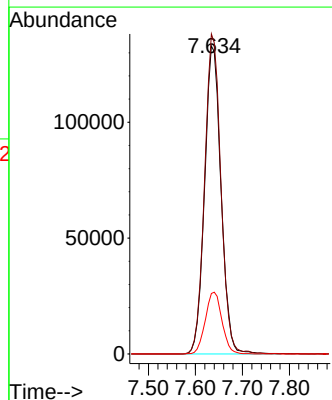
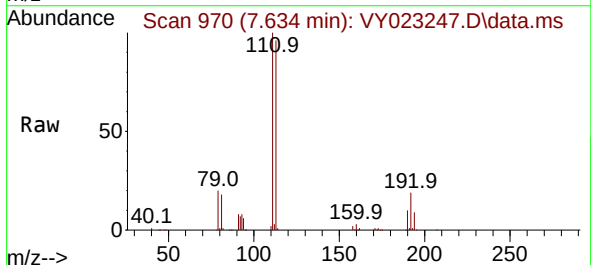
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-5

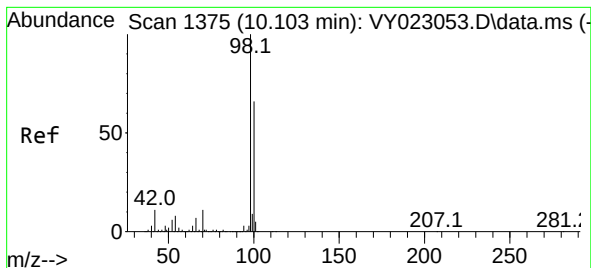
Tgt Ion:114 Resp: 969736
Ion Ratio Lower Upper
114 100
63 18.4 0.0 38.4
88 14.9 0.0 30.0



#35
Dibromofluoromethane
Concen: 55.447 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023247.D
Acq: 29 Aug 2025 15:05

Tgt Ion:113 Resp: 321737
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 20.4 16.2 24.4

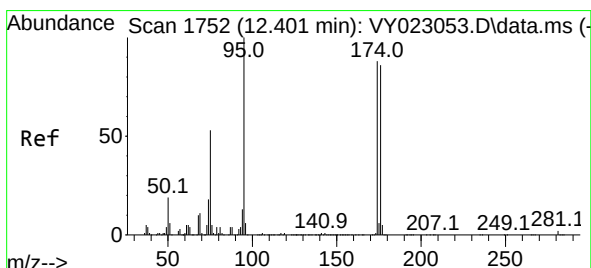
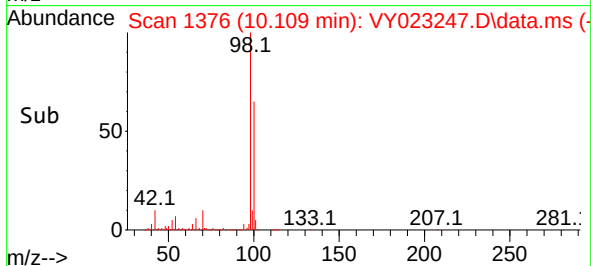
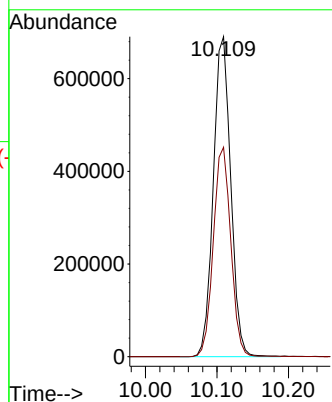
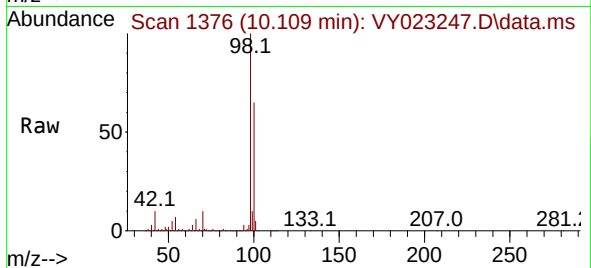




#50
Toluene-d8
Concen: 51.444 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023247.D
Acq: 29 Aug 2025 15:05

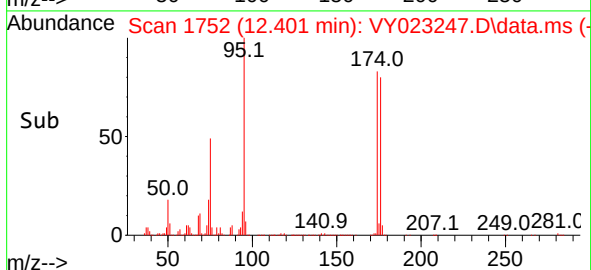
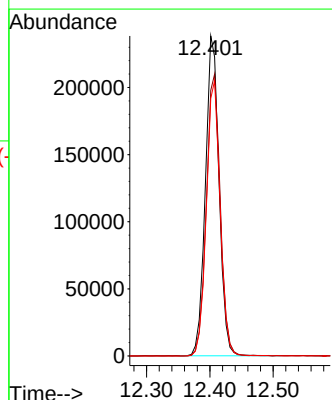
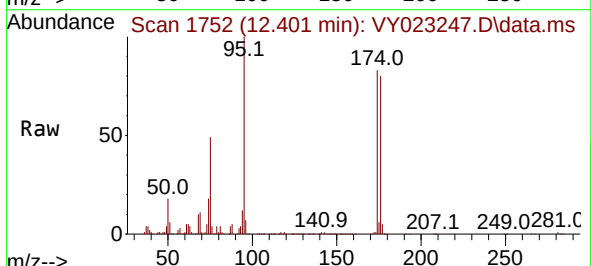
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-5

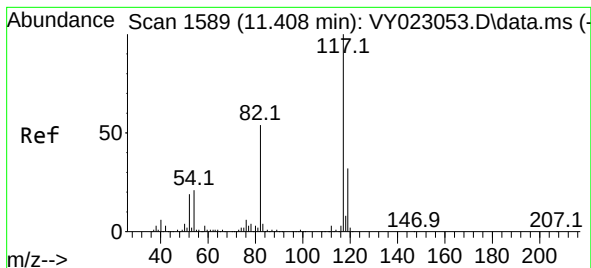
Tgt Ion: 98 Resp: 1166139
Ion Ratio Lower Upper
98 100
100 65.8 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.054 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023247.D
Acq: 29 Aug 2025 15:05

Tgt Ion: 95 Resp: 357608
Ion Ratio Lower Upper
95 100
174 90.3 0.0 171.6
176 87.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023247.D

Acq: 29 Aug 2025 15:05

Instrument :

MSVOA_Y

ClientSampleId :

SOUTH-TP-5

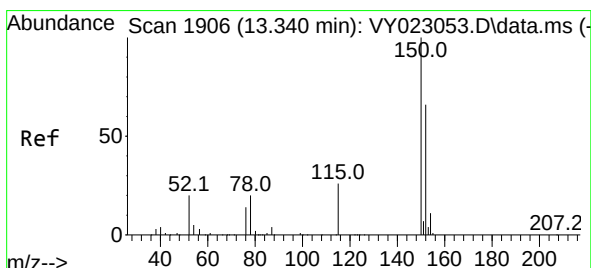
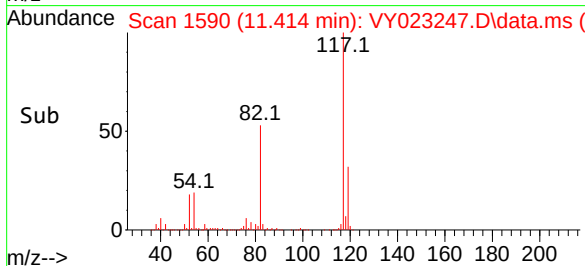
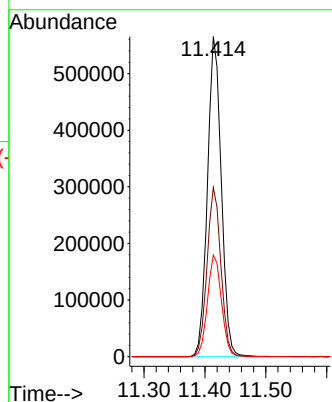
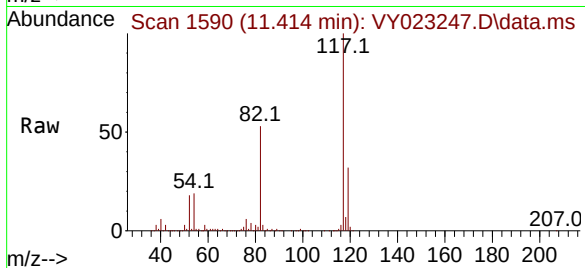
Tgt Ion:117 Resp: 892711

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023247.D

Acq: 29 Aug 2025 15:05

Tgt Ion:152 Resp: 375828

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.6

150 157.2 0.0 348.0

