

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023537.D
 Acq On : 21 Oct 2025 16:10
 Operator : SY/MD
 Sample : Q3406-01
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS20-0037

Quant Time: Oct 24 01:37:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	772637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1256599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1005065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	357148	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	328231	50.803	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.600%
35) Dibromofluoromethane	7.634	113	390379	50.559	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.120%
50) Toluene-d8	10.109	98	1386848	48.231	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.460%
62) 4-Bromofluorobenzene	12.408	95	359324	37.850	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.700%

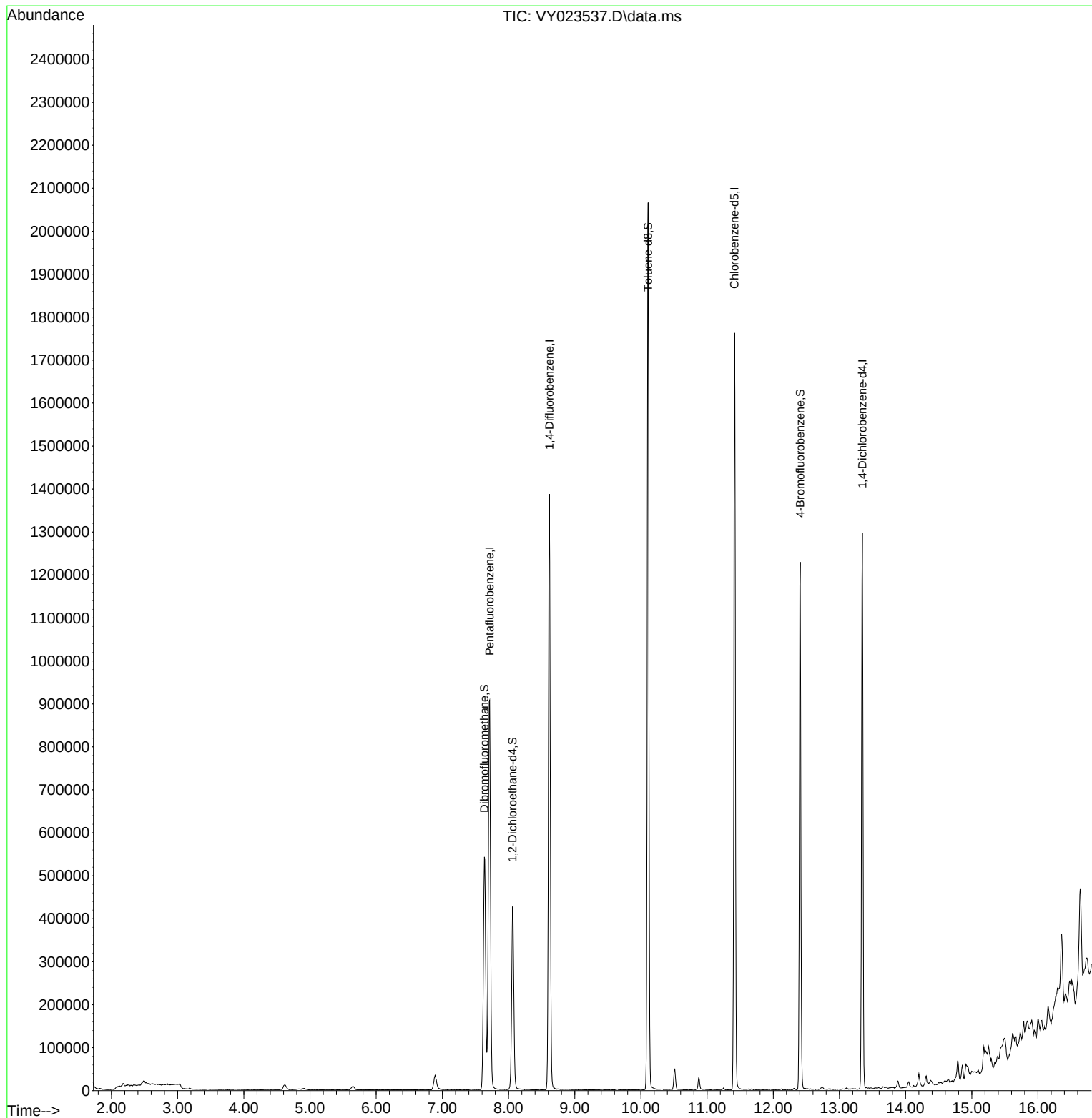
Target Compounds	Qvalue

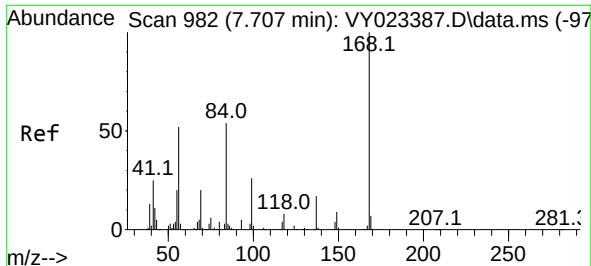
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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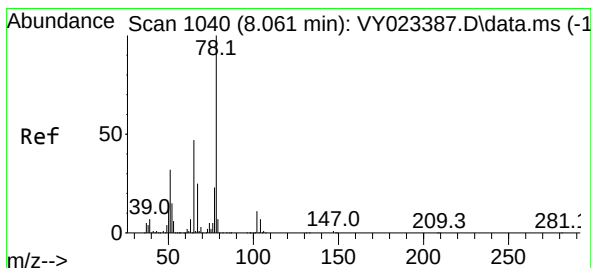
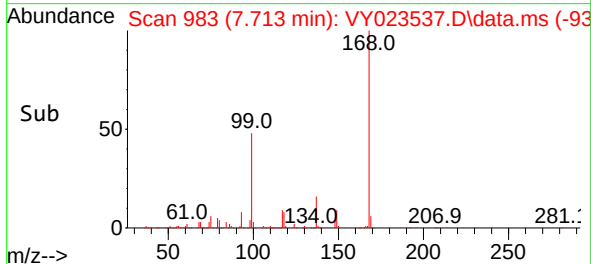
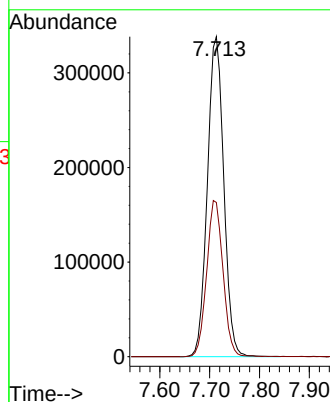
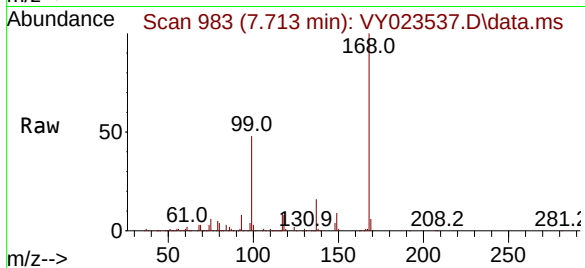




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023537.D
Acq: 21 Oct 2025 16:10

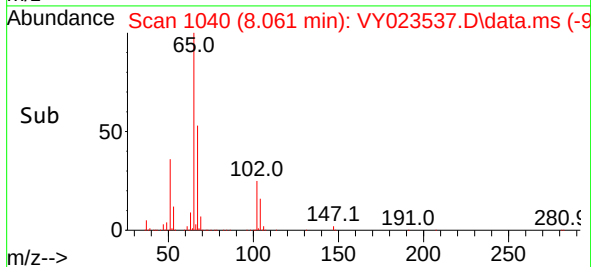
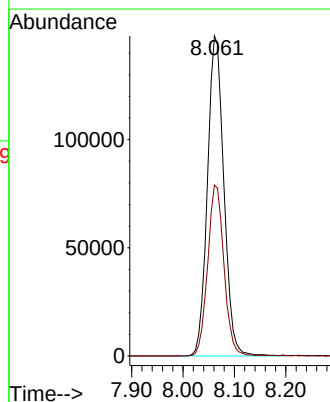
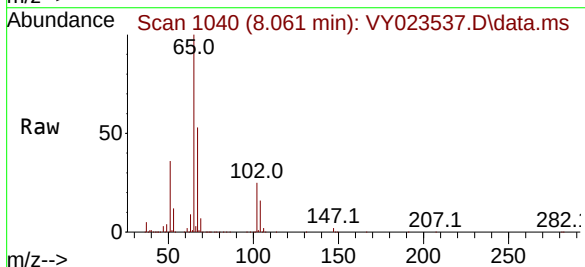
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0037

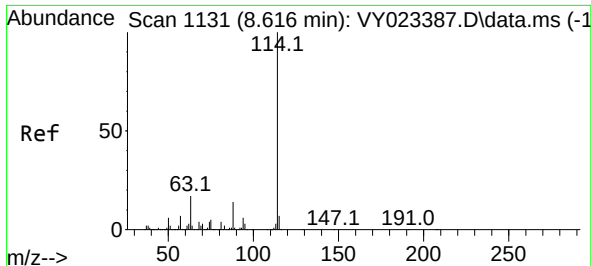
Tgt Ion:168 Resp: 772637
Ion Ratio Lower Upper
168 100
99 48.2 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 50.803 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023537.D
Acq: 21 Oct 2025 16:10

Tgt Ion: 65 Resp: 328231
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

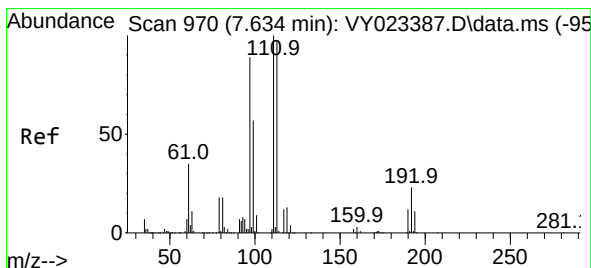
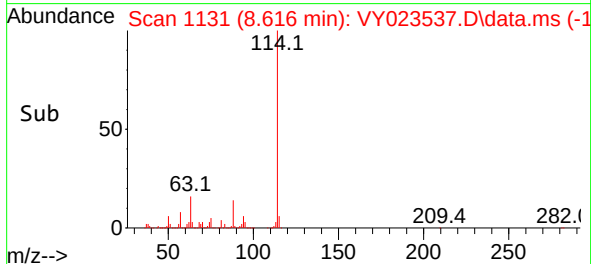
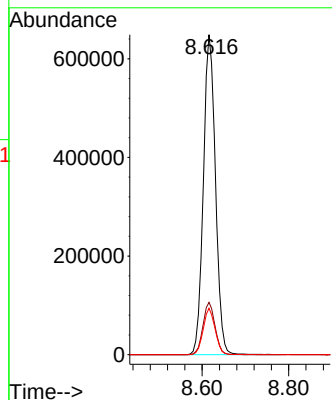
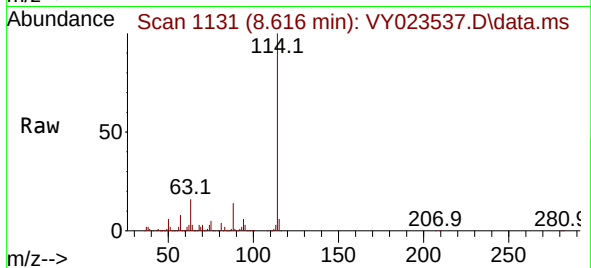




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023537.D
Acq: 21 Oct 2025 16:10

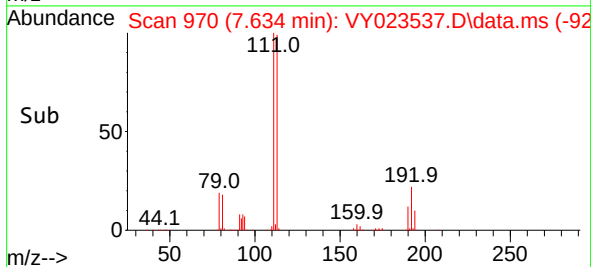
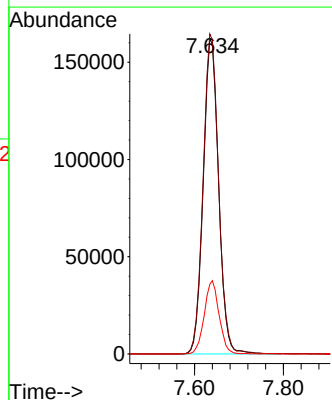
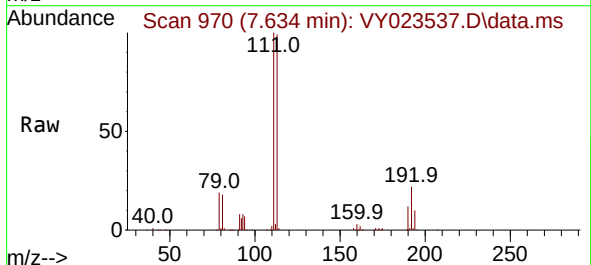
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0037

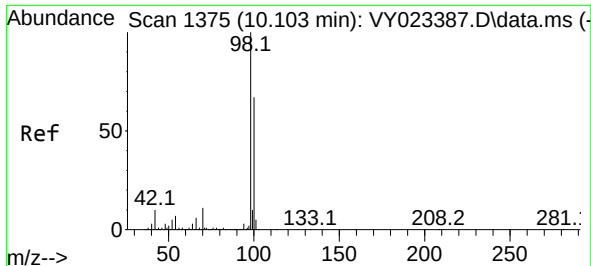
Tgt Ion:114 Resp: 1256599
Ion Ratio Lower Upper
114 100
63 16.4 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.559 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023537.D
Acq: 21 Oct 2025 16:10

Tgt Ion:113 Resp: 390379
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.6
192 22.5 18.0 27.0

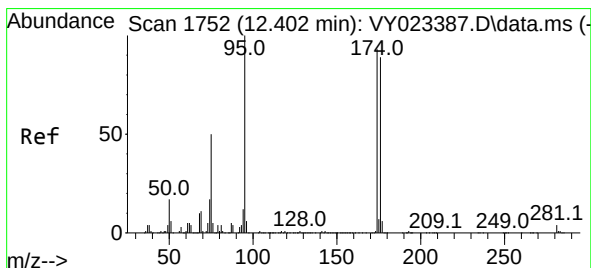
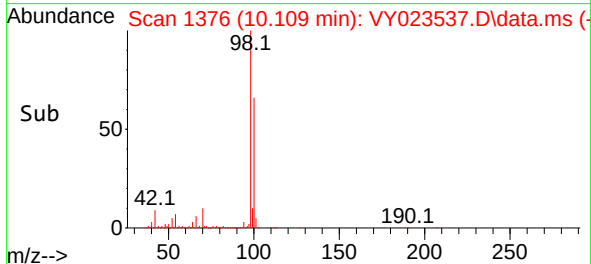
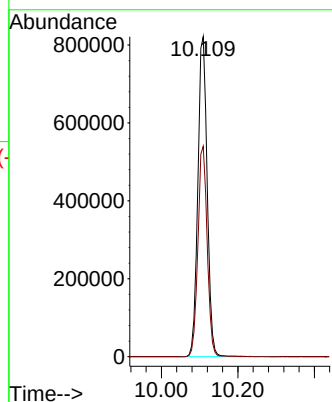
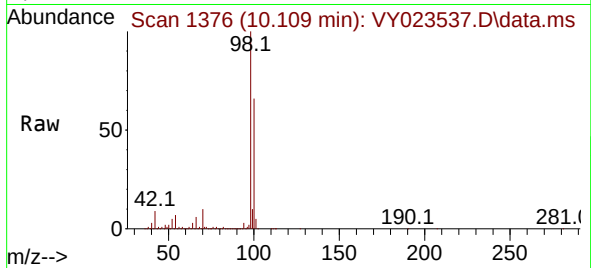




#50
Toluene-d8
Concen: 48.231 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023537.D
Acq: 21 Oct 2025 16:10

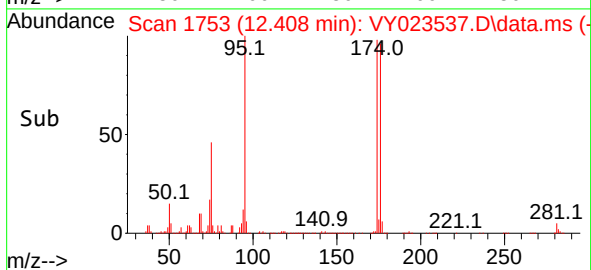
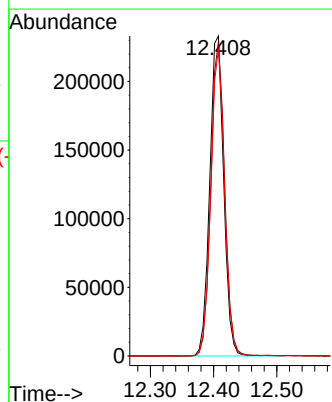
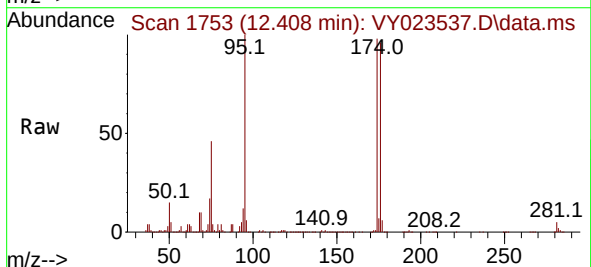
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0037

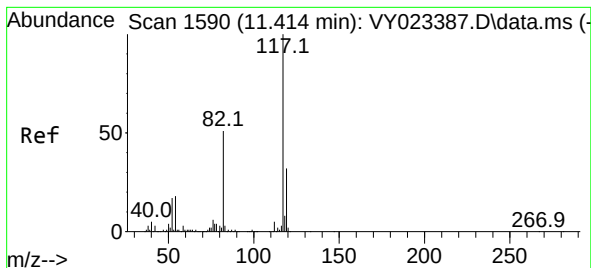
Tgt Ion: 98 Resp: 1386848
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 37.850 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023537.D
Acq: 21 Oct 2025 16:10

Tgt Ion: 95 Resp: 359324
Ion Ratio Lower Upper
95 100
174 96.9 0.0 192.8
176 93.9 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023537.D

Acq: 21 Oct 2025 16:10

Instrument :

MSVOA_Y

ClientSampleId :

ARS20-0037

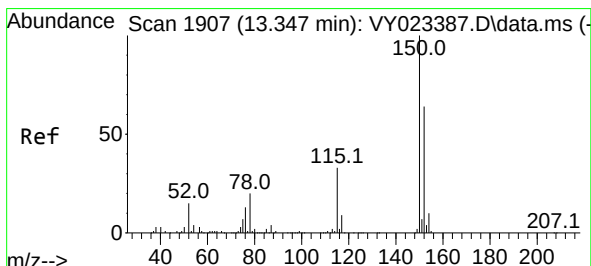
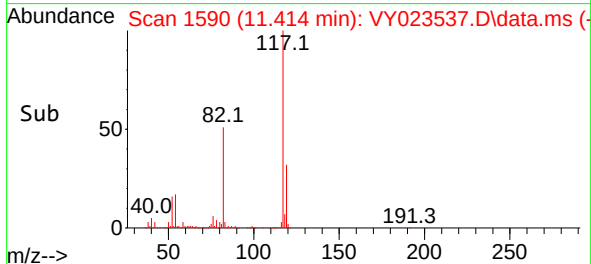
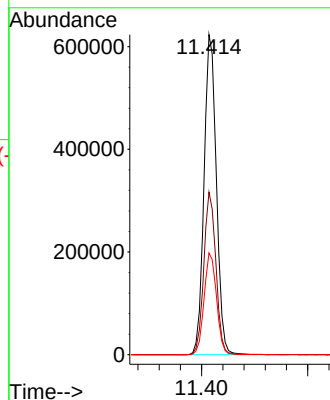
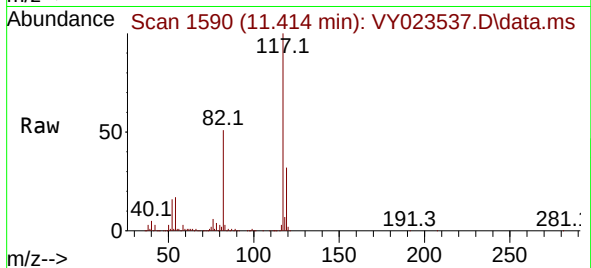
Tgt Ion:117 Resp: 1005065

Ion Ratio Lower Upper

117 100

82 50.8 41.0 61.4

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023537.D

Acq: 21 Oct 2025 16:10

Tgt Ion:152 Resp: 357148

Ion Ratio Lower Upper

152 100

115 53.7 27.1 81.2

150 157.5 0.0 347.4

