

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023540.D
 Acq On : 21 Oct 2025 17:21
 Operator : SY/MD
 Sample : Q3404-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0285-0288

Quant Time: Oct 22 12:30:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 07 14:25:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	10490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	13414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	5959	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	1361	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	4201	47.892	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.780%
35) Dibromofluoromethane	7.634	113	3522	42.731	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.460%
50) Toluene-d8	10.109	98	11891	38.739	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	77.480%
62) 4-Bromofluorobenzene	12.408	95	1334	13.164	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	26.320%#

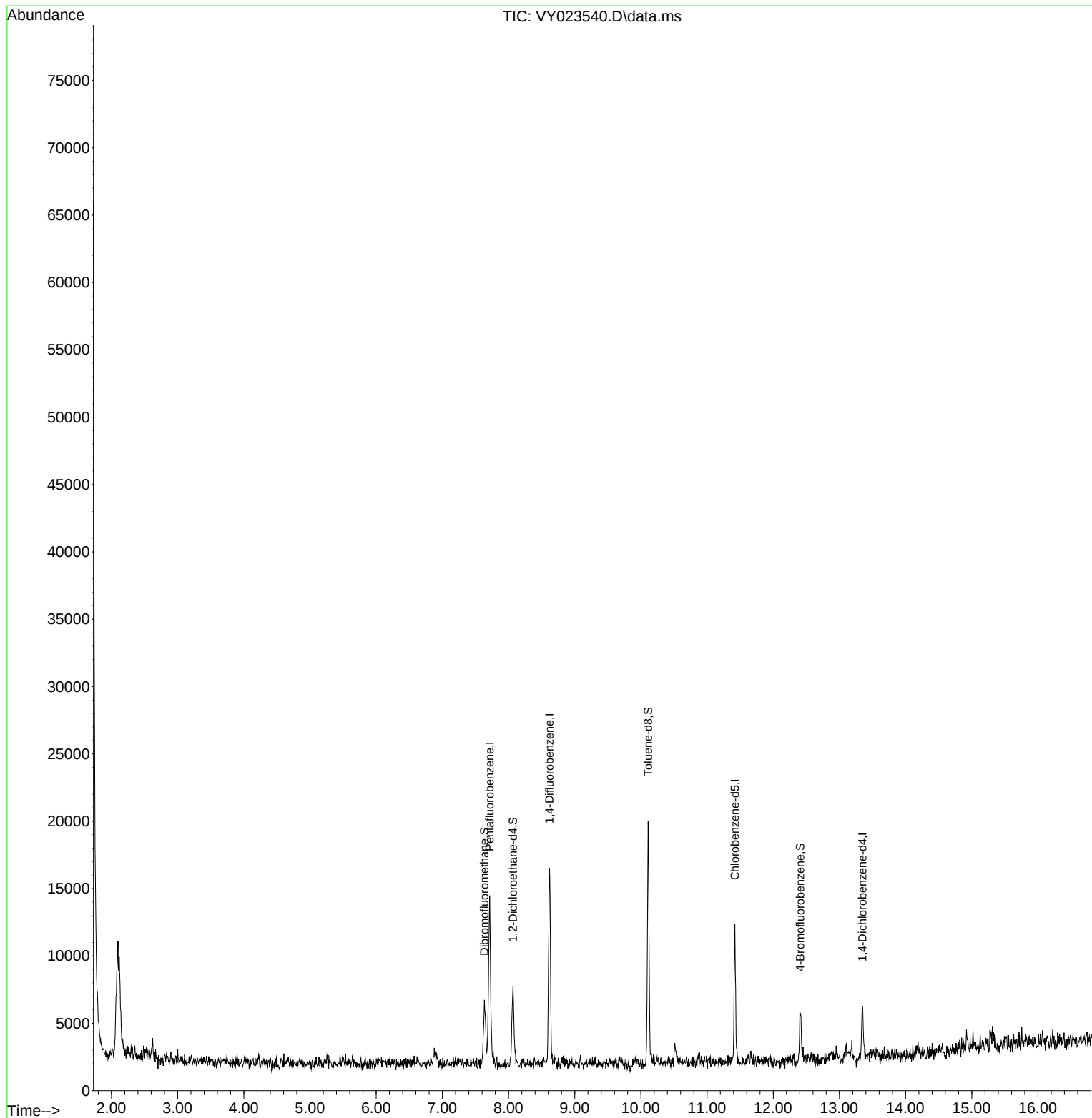
Target Compounds	Qvalue

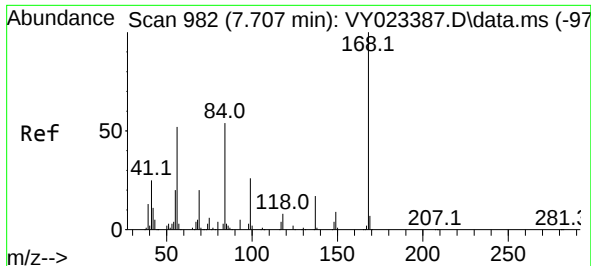
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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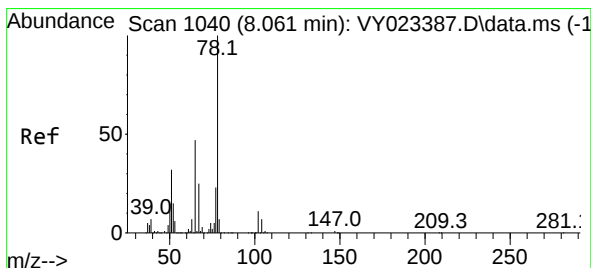
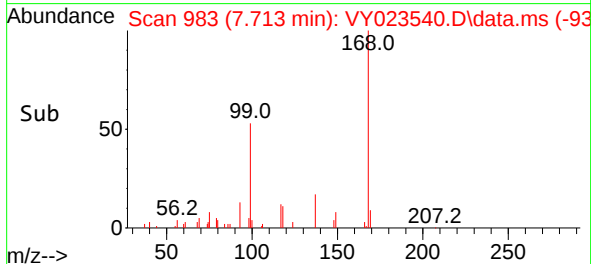
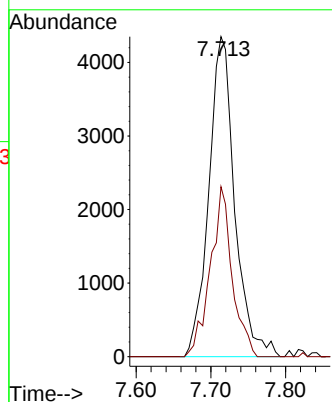
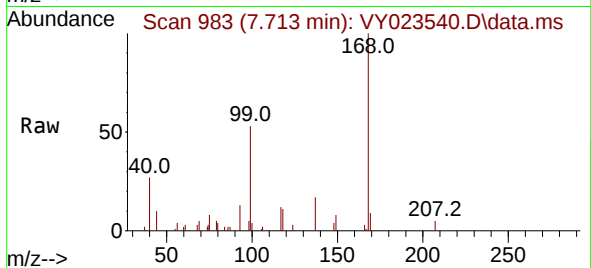




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023540.D
Acq: 21 Oct 2025 17:21

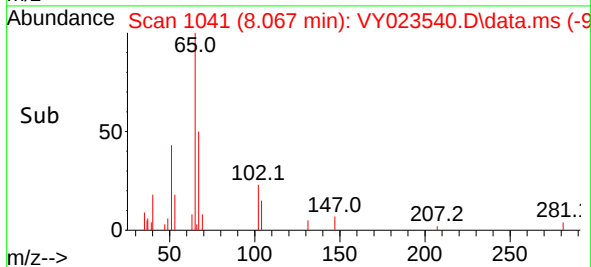
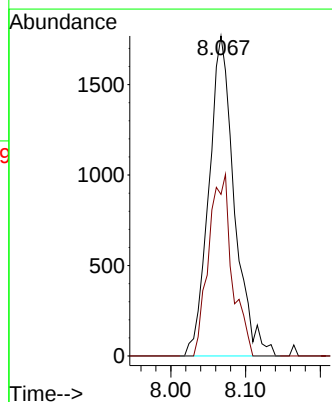
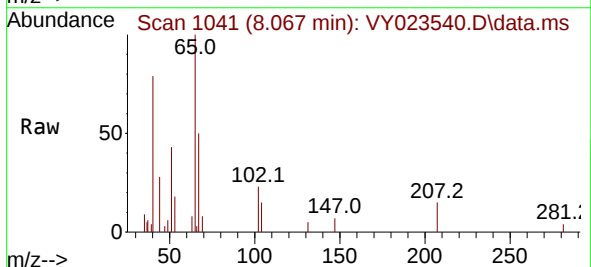
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0285-0288

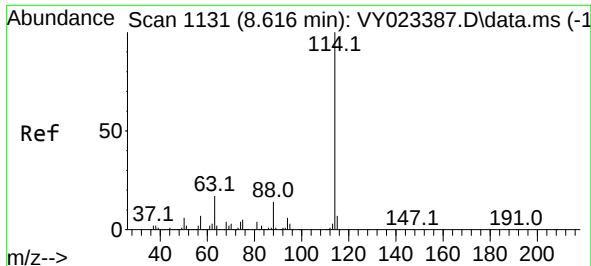
Tgt Ion:168 Resp: 10490
Ion Ratio Lower Upper
168 100
99 53.1 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 47.892 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023540.D
Acq: 21 Oct 2025 17:21

Tgt Ion: 65 Resp: 4201
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.8

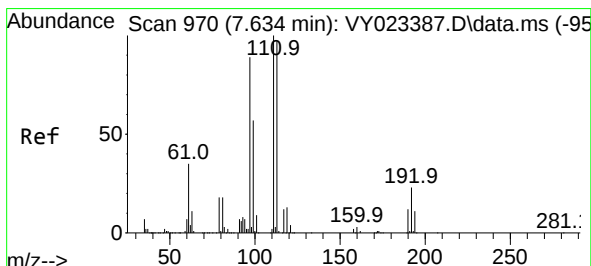
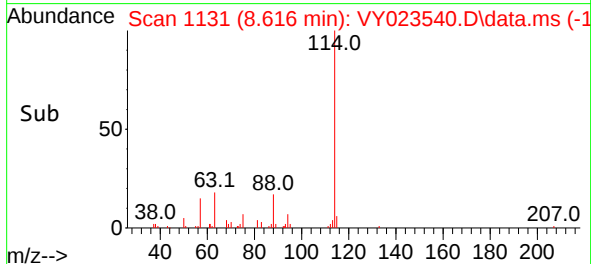
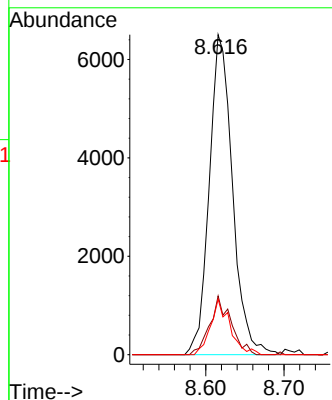
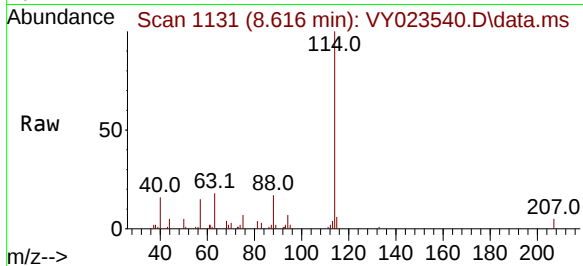




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023540.D
Acq: 21 Oct 2025 17:21

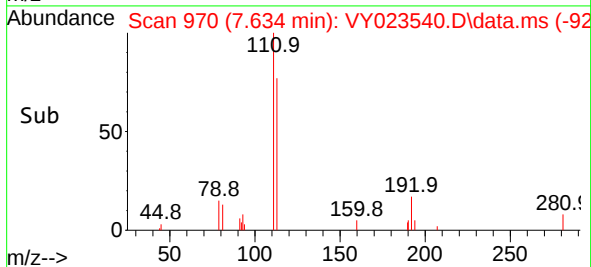
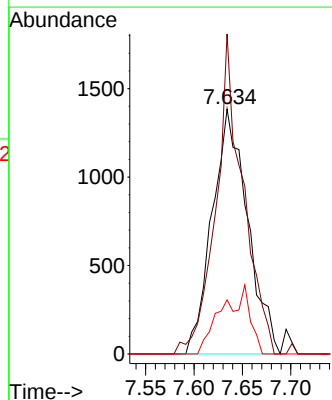
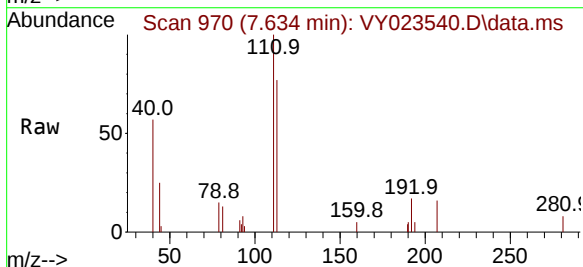
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0285-0288

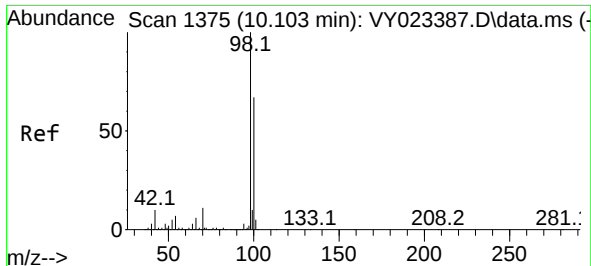
Tgt Ion:	114	Resp:	13414
Ion Ratio	Lower	Upper	
114	100		
63	18.4	0.0	38.4
88	17.4	0.0	30.0



#35
Dibromofluoromethane
Concen: 42.731 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023540.D
Acq: 21 Oct 2025 17:21

Tgt Ion:	113	Resp:	3522
Ion Ratio	Lower	Upper	
113	100		
111	99.8	81.1	121.7
192	22.4	16.2	24.4

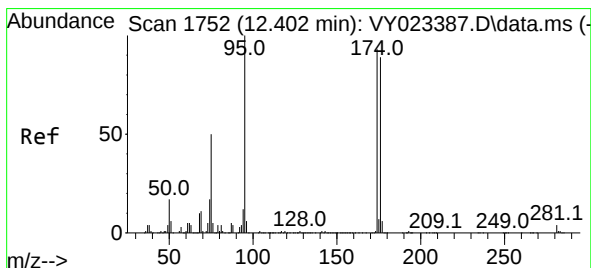
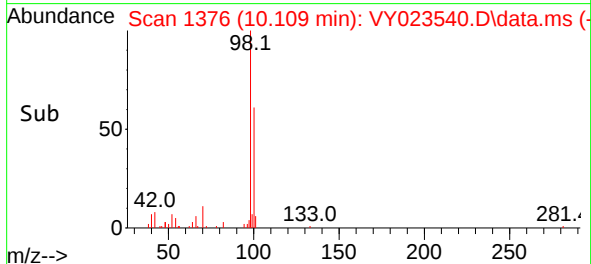
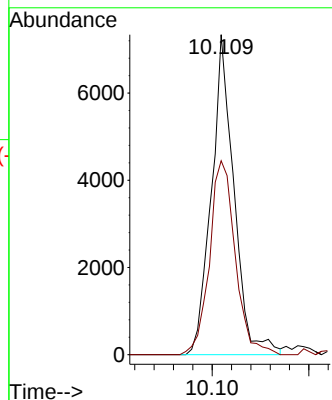
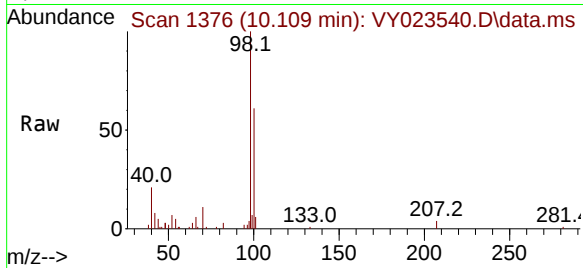




#50
Toluene-d8
Concen: 38.739 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023540.D
Acq: 21 Oct 2025 17:21

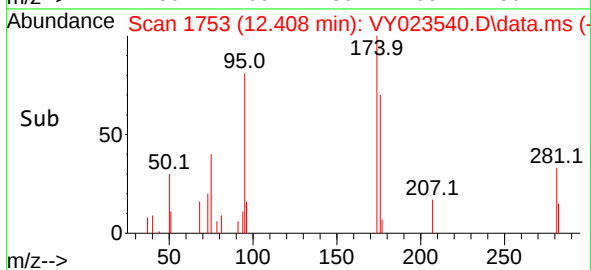
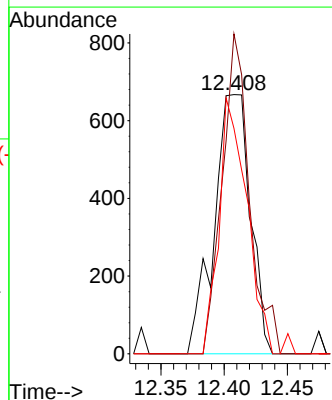
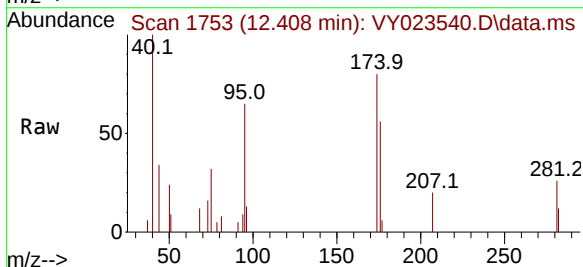
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0285-0288

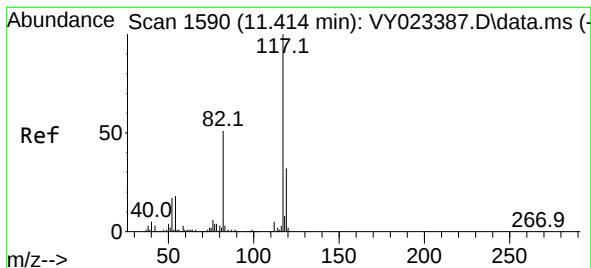
Tgt Ion: 98 Resp: 11891
Ion Ratio Lower Upper
98 100
100 69.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 13.164 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023540.D
Acq: 21 Oct 2025 17:21

Tgt Ion: 95 Resp: 1334
Ion Ratio Lower Upper
95 100
174 92.9 0.0 171.6
176 75.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023540.D

Acq: 21 Oct 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0285-0288

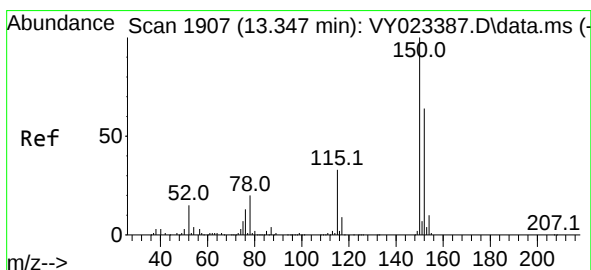
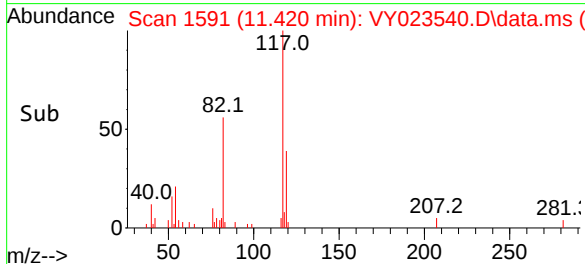
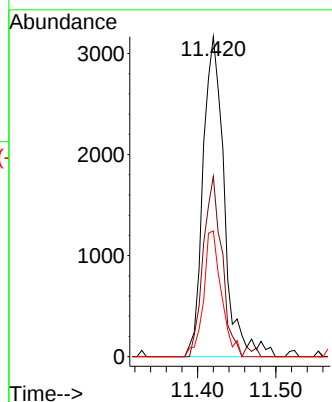
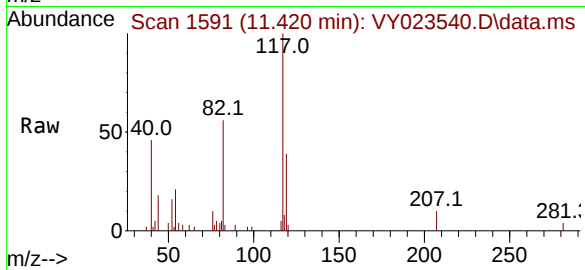
Tgt Ion:117 Resp: 5959

Ion Ratio Lower Upper

117 100

82 56.3 43.4 65.0

119 39.3 25.6 38.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023540.D

Acq: 21 Oct 2025 17:21

Tgt Ion:152 Resp: 1361

Ion Ratio Lower Upper

152 100

115 53.3 28.2 84.6

150 154.7 0.0 348.0

