

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023771.D
 Acq On : 12 Nov 2025 18:05
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 14 03:42:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	763016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1334682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1130903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	453681	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	366367	56.290	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.580%
35) Dibromofluoromethane	7.634	113	419625	50.310	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.620%
50) Toluene-d8	10.103	98	1507805	48.529	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.060%
62) 4-Bromofluorobenzene	12.402	95	437009	43.493	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.980%

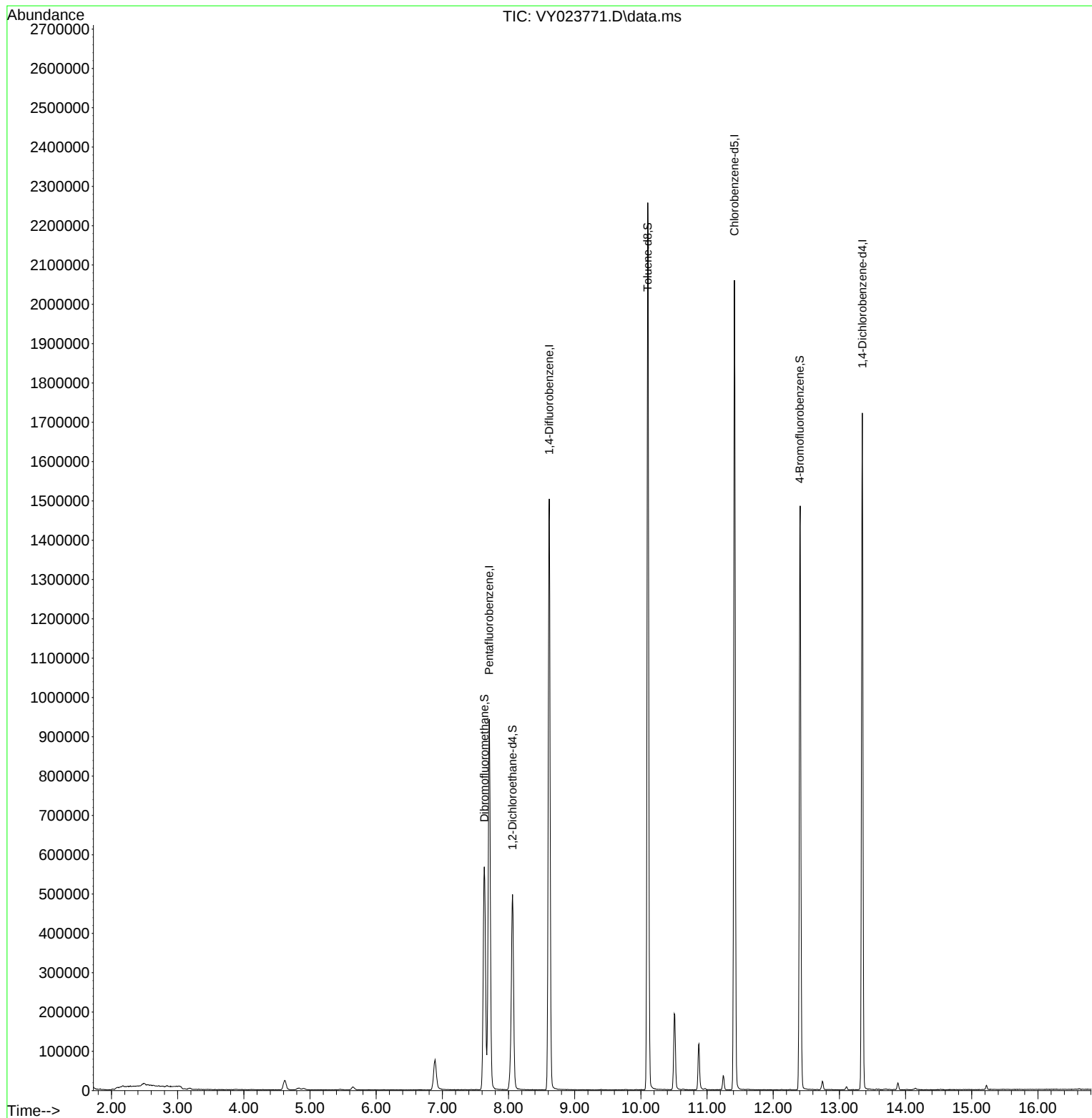
Target Compounds	Qvalue

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

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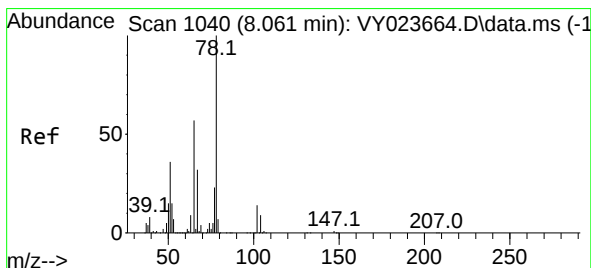
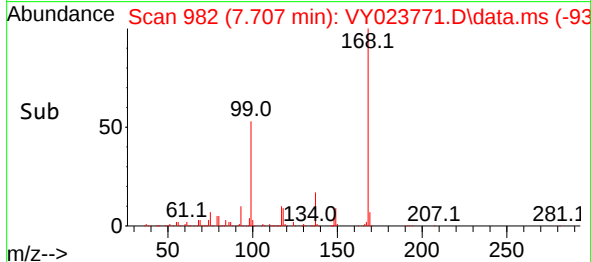
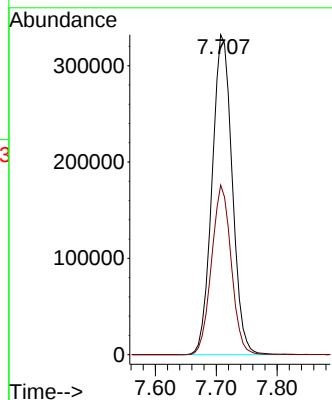
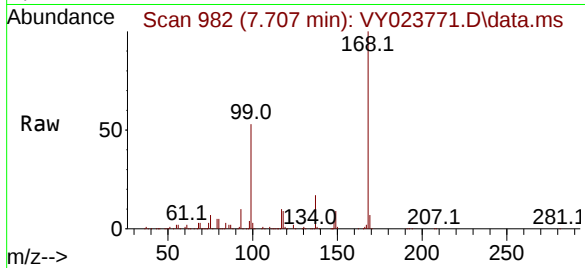




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023771.D
Acq: 12 Nov 2025 18:05

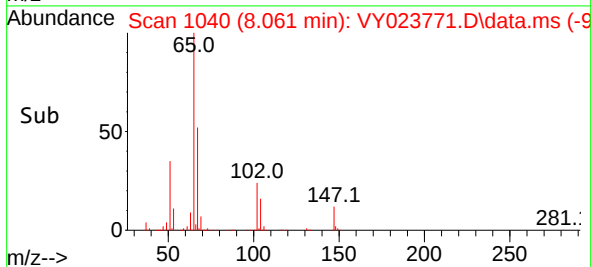
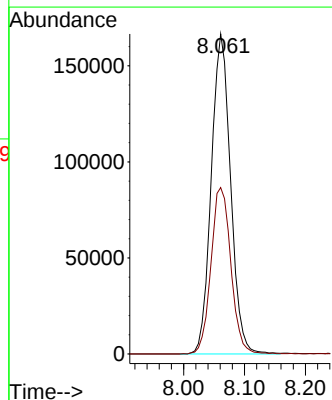
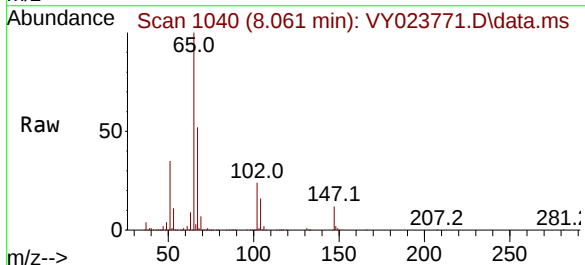
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

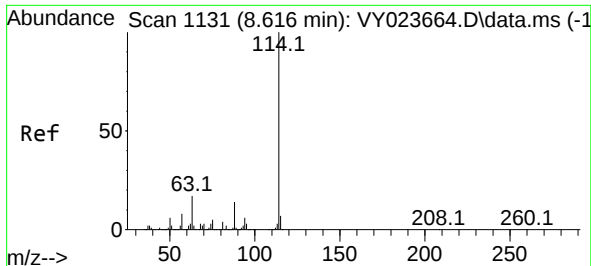
Tgt Ion:168 Resp: 763016
Ion Ratio Lower Upper
168 100
99 53.0 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 56.290 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023771.D
Acq: 12 Nov 2025 18:05

Tgt Ion: 65 Resp: 366367
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023771.D

Acq: 12 Nov 2025 18:05

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

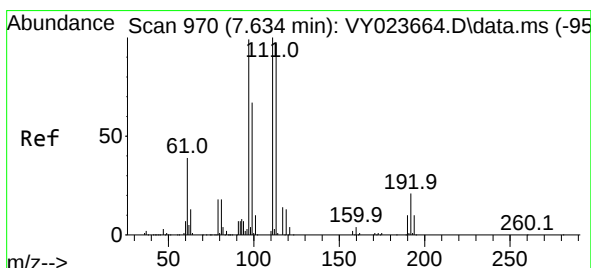
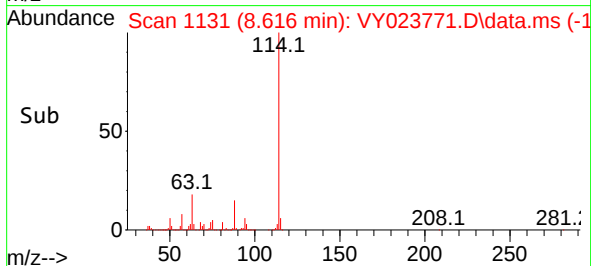
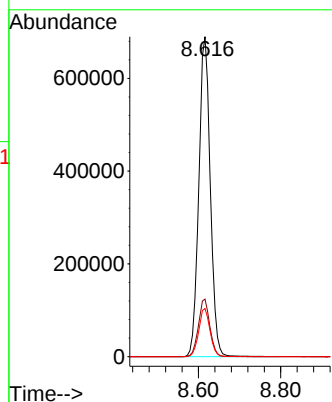
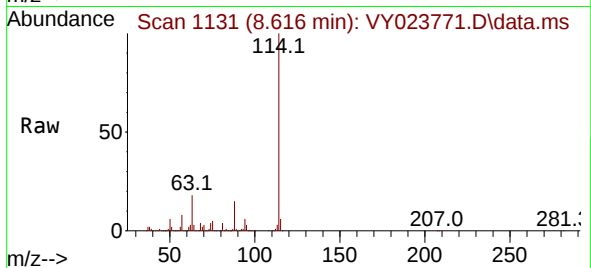
Tgt Ion:114 Resp: 1334682

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.310 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023771.D

Acq: 12 Nov 2025 18:05

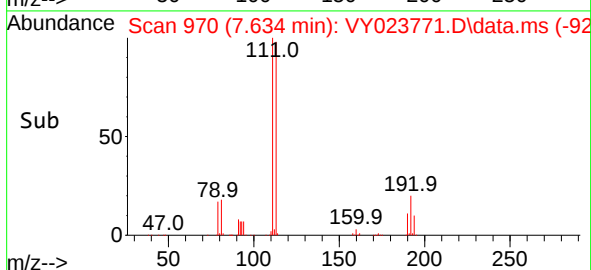
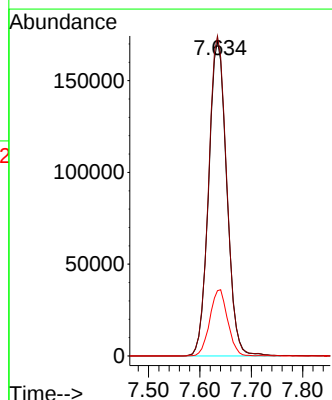
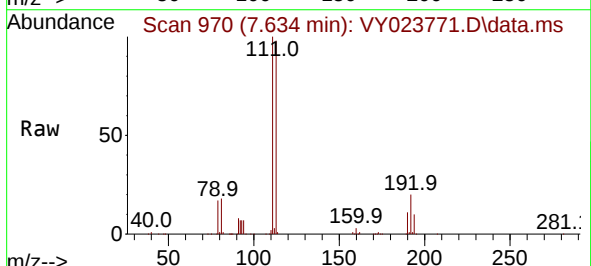
Tgt Ion:113 Resp: 419625

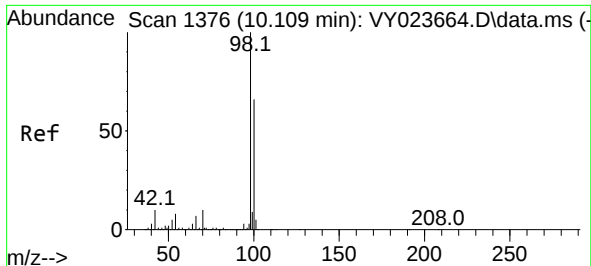
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 20.7 17.3 25.9

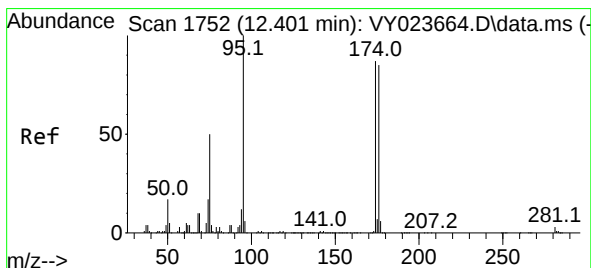
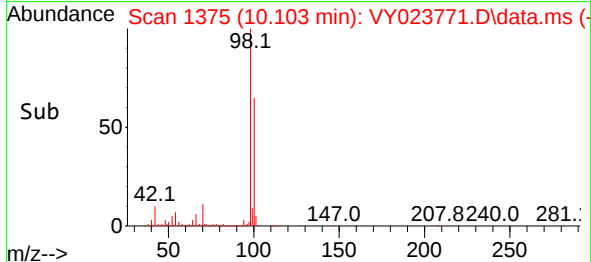
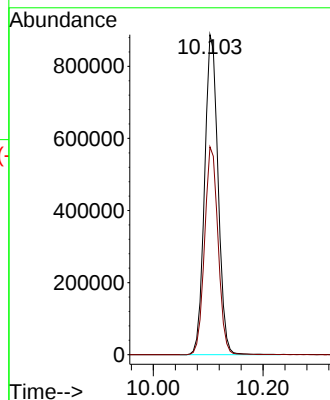
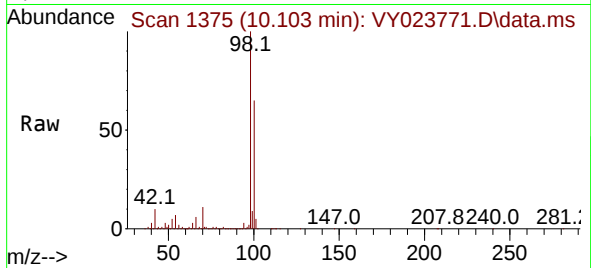




#50
Toluene-d8
Concen: 48.529 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY023771.D
Acq: 12 Nov 2025 18:05

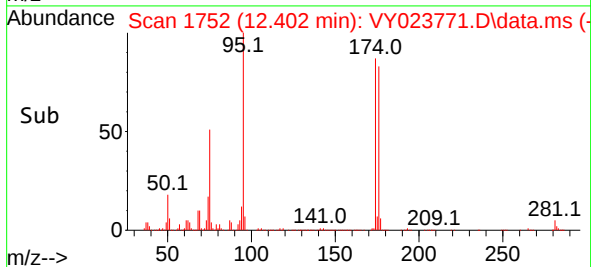
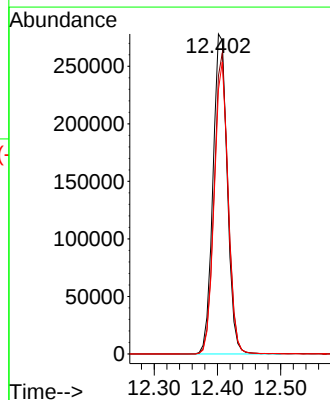
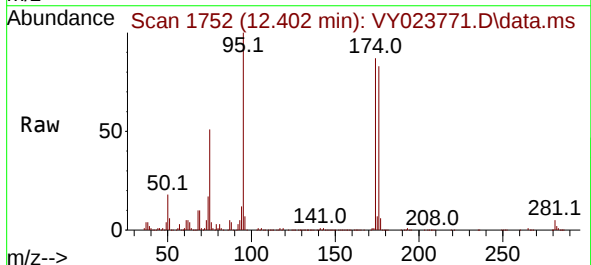
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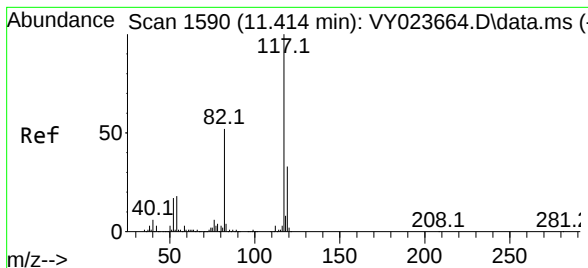
Tgt Ion: 98 Resp: 1507805
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 43.493 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023771.D
Acq: 12 Nov 2025 18:05

Tgt Ion: 95 Resp: 437009
Ion Ratio Lower Upper
95 100
174 91.8 0.0 184.8
176 88.5 0.0 181.6

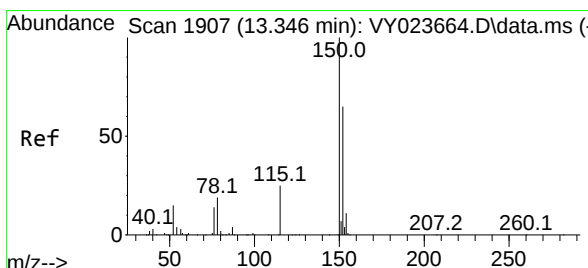
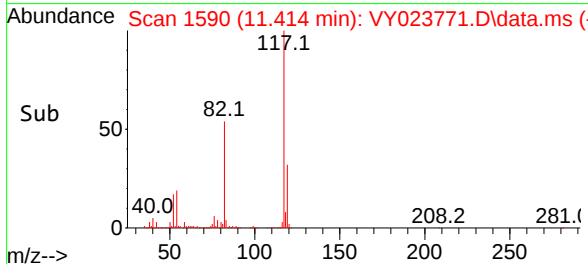
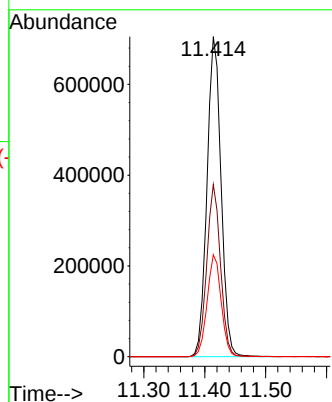
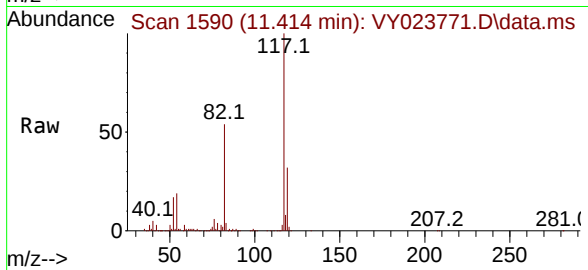




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023771.D
Acq: 12 Nov 2025 18:05

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1130903
Ion Ratio Lower Upper
117 100
82 53.8 41.2 61.8
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023771.D
Acq: 12 Nov 2025 18:05

Tgt Ion:152 Resp: 453681
Ion Ratio Lower Upper
152 100
115 56.6 27.5 82.5
150 156.9 0.0 349.0

