

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023511.D
 Acq On : 20 Oct 2025 16:10
 Operator : SY/MD
 Sample : Q3381-01
 Misc : 4.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-222

Quant Time: Oct 21 04:00:43 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	700652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1189382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1015542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	414076	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	336740	57.474	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.940%
35) Dibromofluoromethane	7.634	113	383897	52.530	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.060%
50) Toluene-d8	10.109	98	1340991	49.271	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.540%
62) 4-Bromofluorobenzene	12.408	95	373259	41.540	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.080%

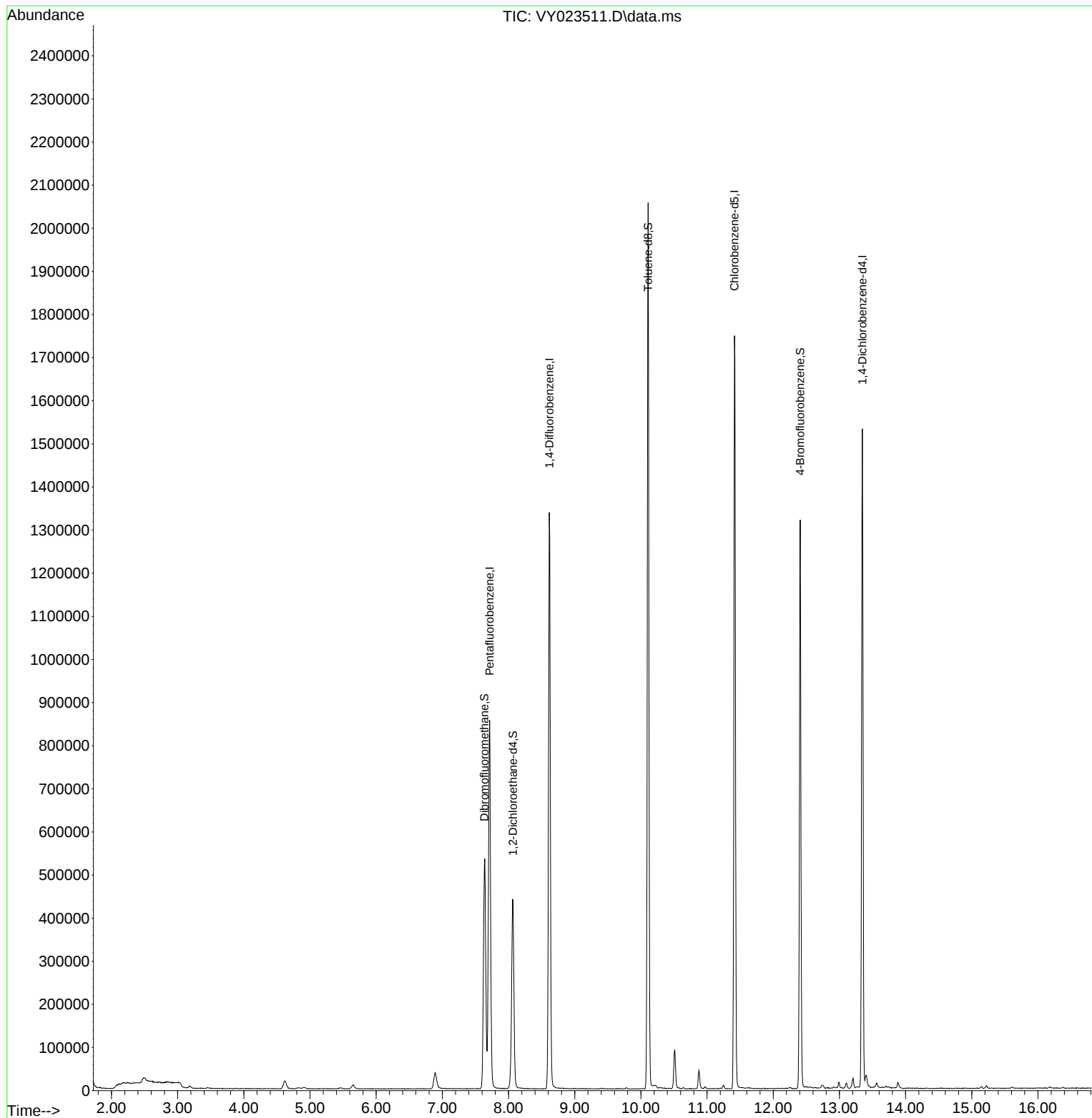
Target Compounds	Qvalue

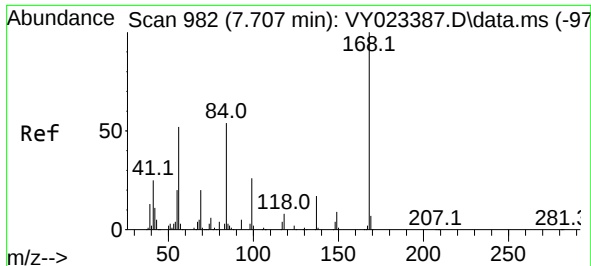
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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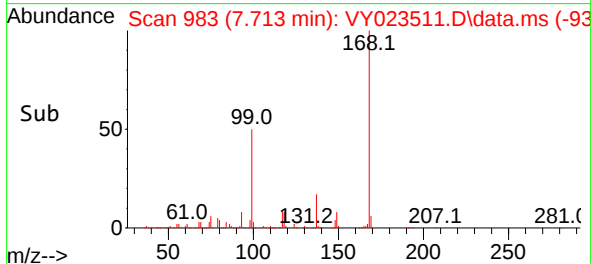
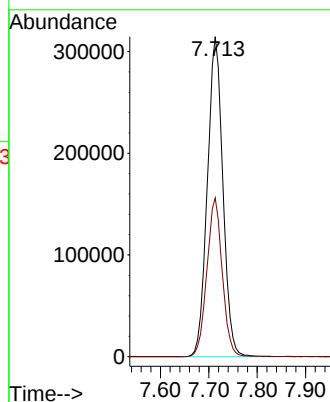
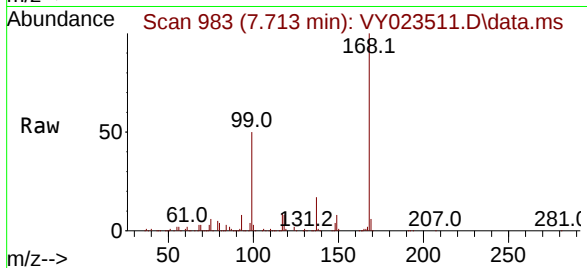




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

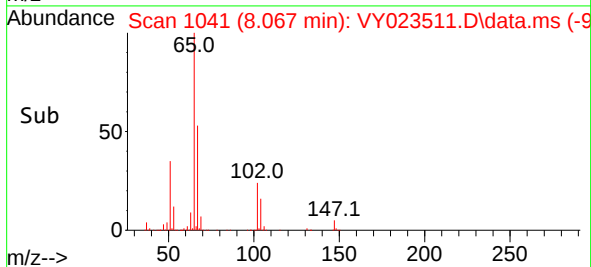
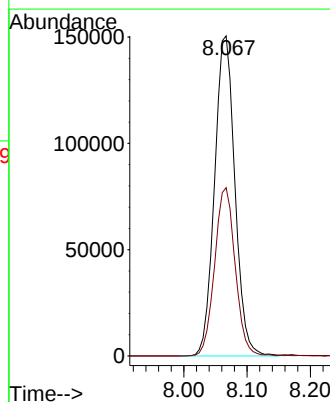
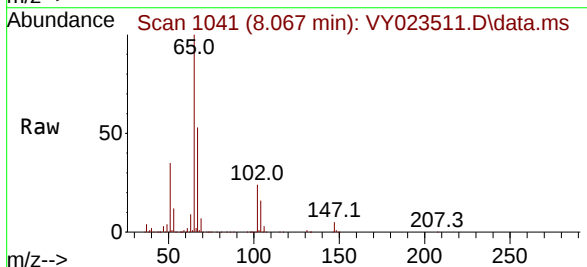
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-222

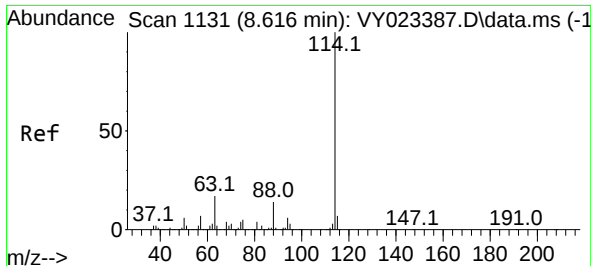
Tgt Ion:168 Resp: 700652
Ion Ratio Lower Upper
168 100
99 49.6 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 57.474 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

Tgt Ion: 65 Resp: 336740
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8

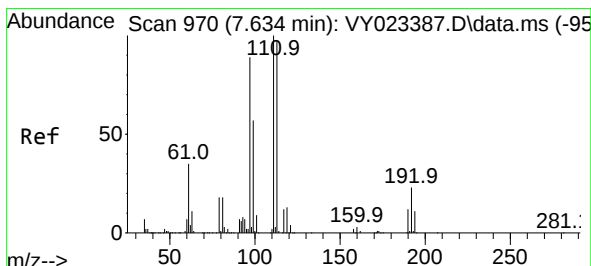
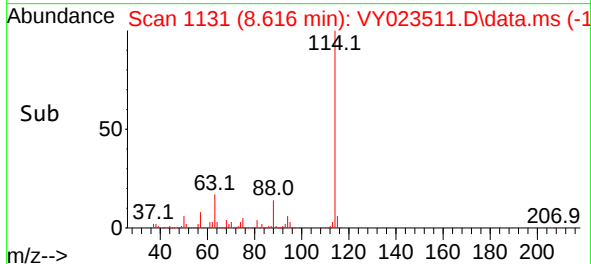
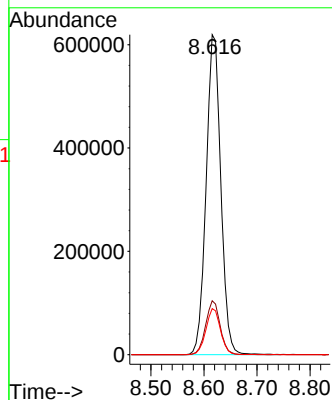
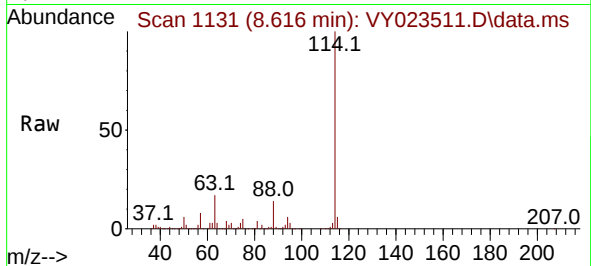




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

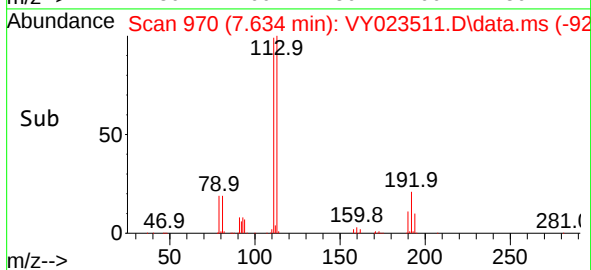
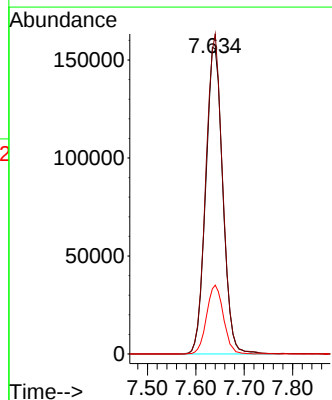
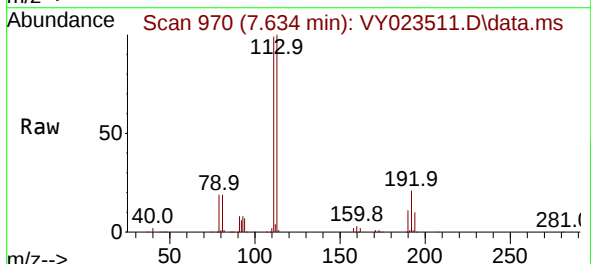
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-222

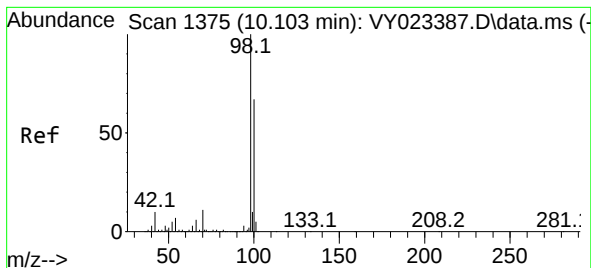
Tgt Ion:114 Resp: 1189382
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 52.530 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

Tgt Ion:113 Resp: 383897
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 22.1 18.0 27.0

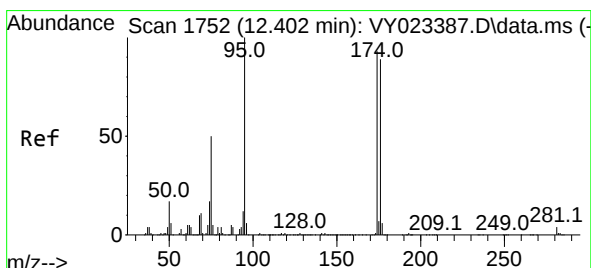
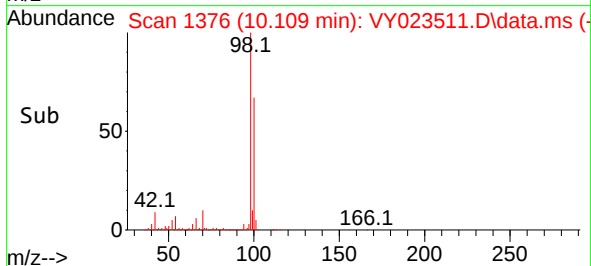
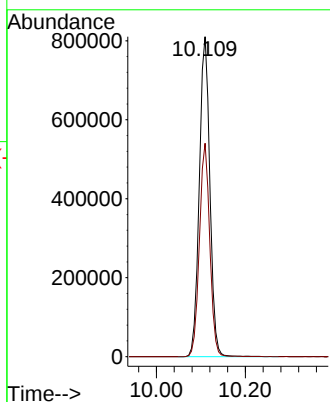
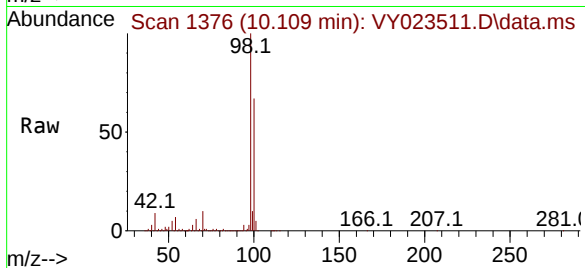




#50
Toluene-d8
Concen: 49.271 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

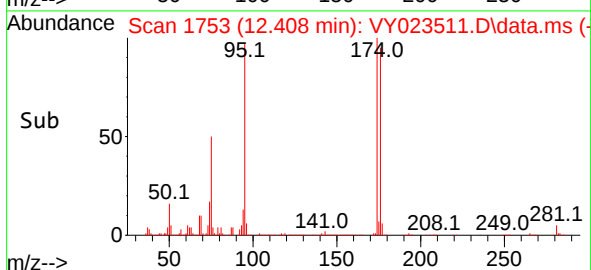
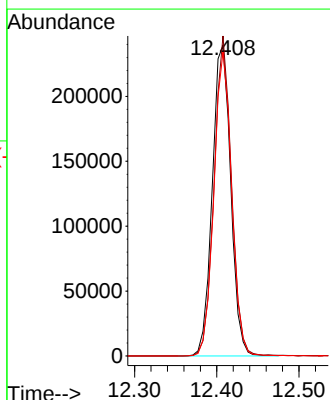
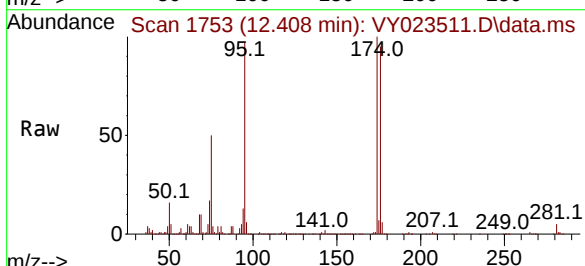
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-222

Tgt Ion: 98 Resp: 1340991
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 41.540 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

Tgt Ion: 95 Resp: 373259
Ion Ratio Lower Upper
95 100
174 97.2 0.0 192.8
176 94.0 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: VY023511.D

Acq: 20 Oct 2025 16:10

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-222

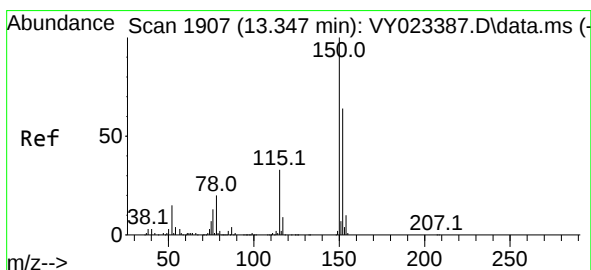
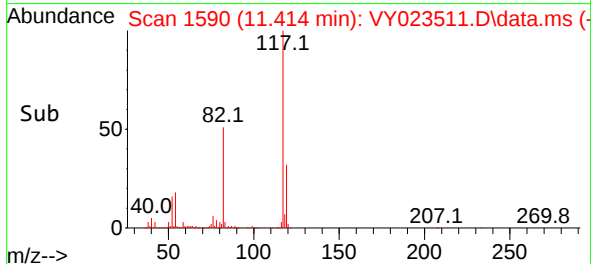
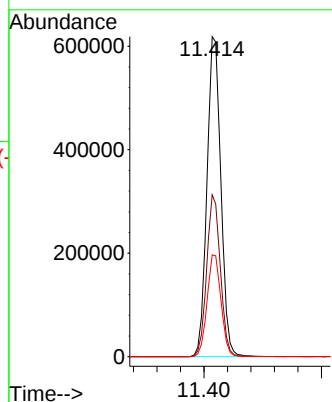
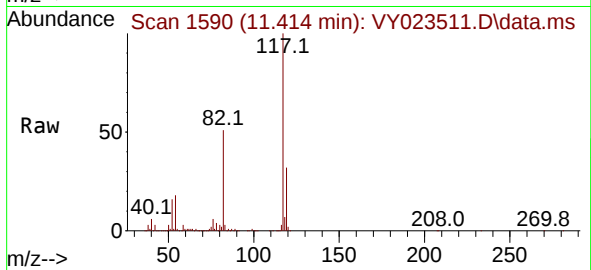
Tgt Ion:117 Resp: 1015542

Ion Ratio Lower Upper

117 100

82 50.6 41.0 61.4

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. -0.000 min

Lab File: VY023511.D

Acq: 20 Oct 2025 16:10

Tgt Ion:152 Resp: 414076

Ion Ratio Lower Upper

152 100

115 54.8 27.1 81.2

150 158.8 0.0 347.4

