

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023197.D
 Acq On : 22 Aug 2025 16:58
 Operator : SY/MD
 Sample : Q2919-01
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-08202025

Quant Time: Aug 25 05:19:52 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	7.707	168	309762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	574328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	502059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	183267	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	176013	59.620	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.240%
35) Dibromofluoromethane	7.640	113	195156	56.788	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.580%
50) Toluene-d8	10.109	98	695073	51.773	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.540%
62) 4-Bromofluorobenzene	12.402	95	179542	41.584	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.160%

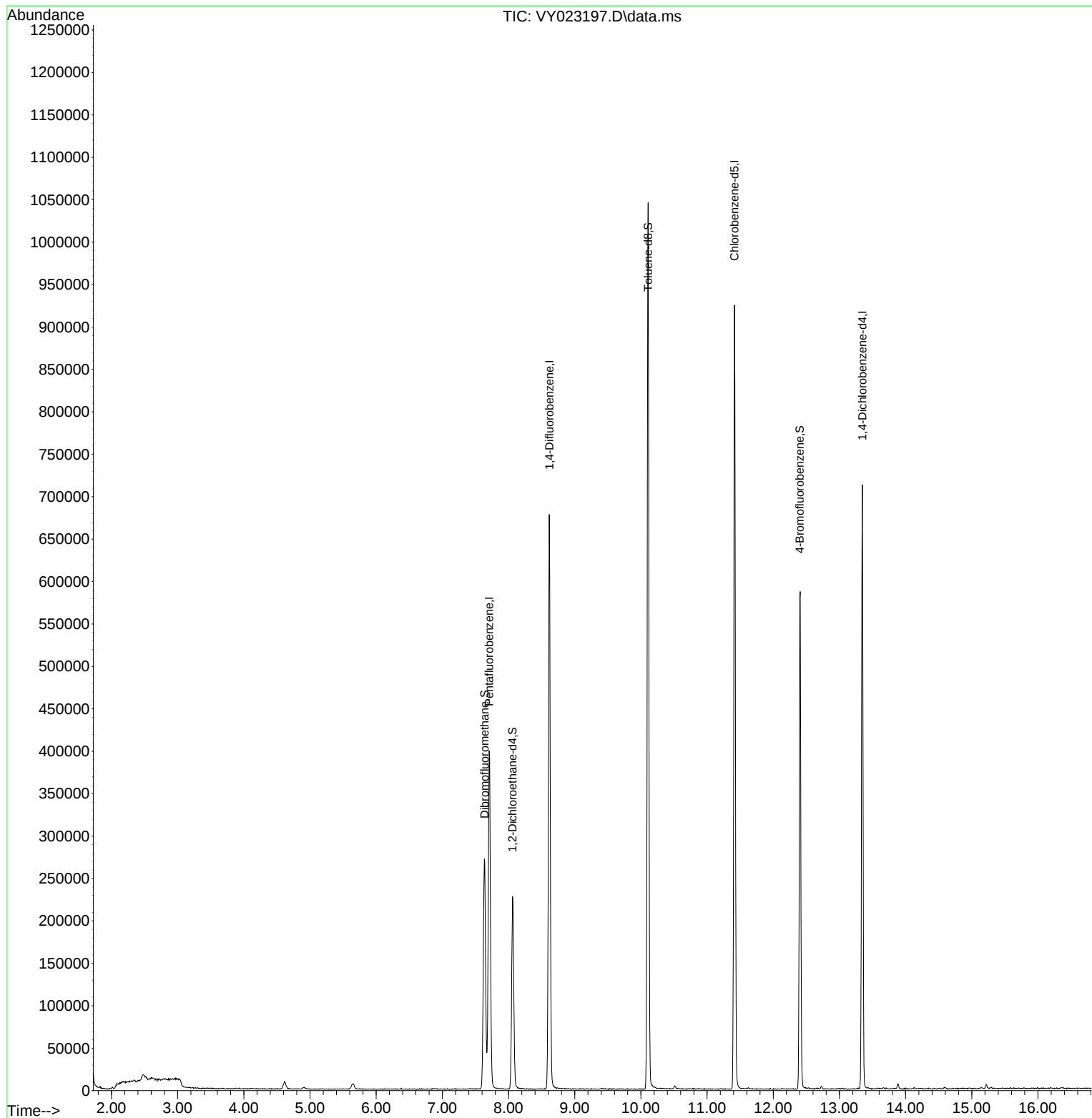
Target Compounds	Qvalue

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

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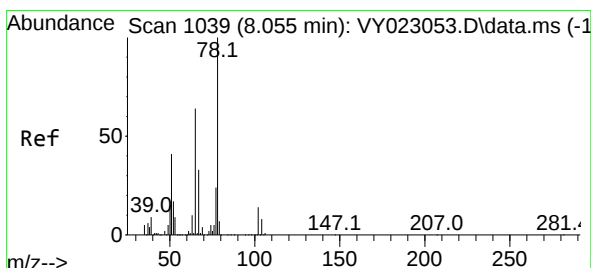
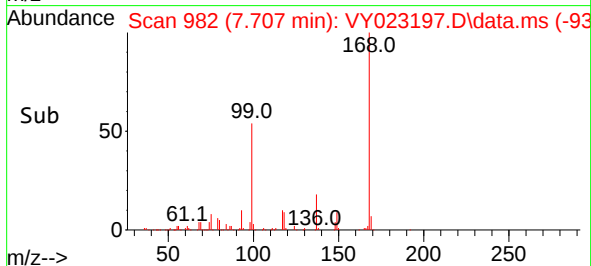
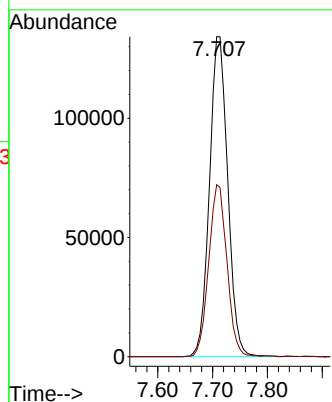
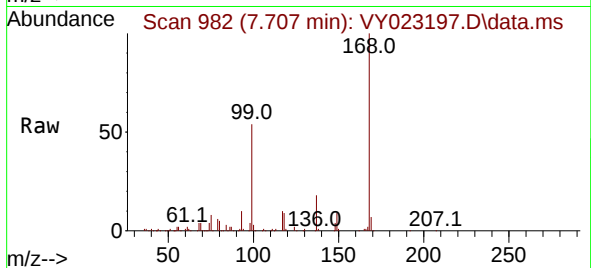




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

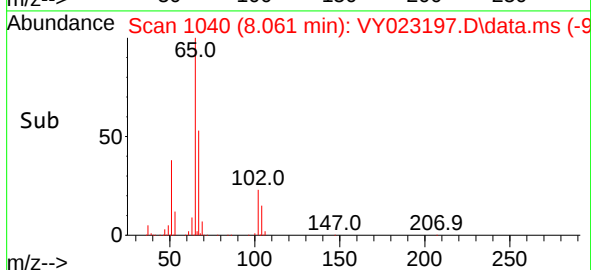
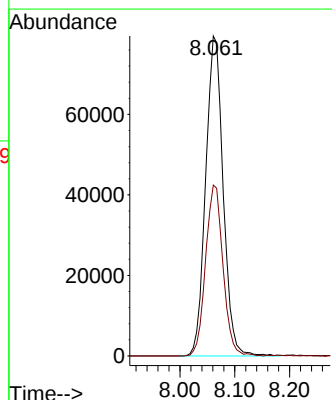
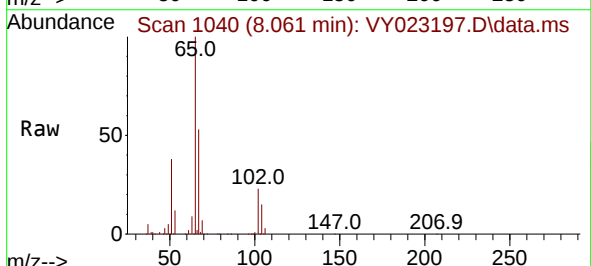
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-08202025

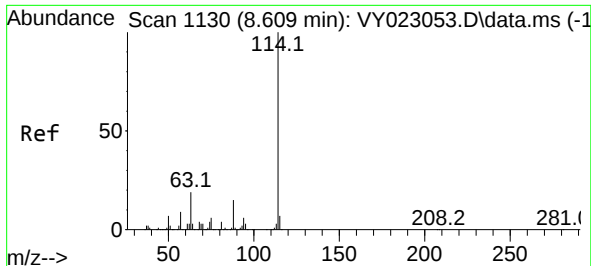
Tgt Ion:168 Resp: 309762
Ion Ratio Lower Upper
168 100
99 53.8 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 59.620 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

Tgt Ion: 65 Resp: 176013
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8

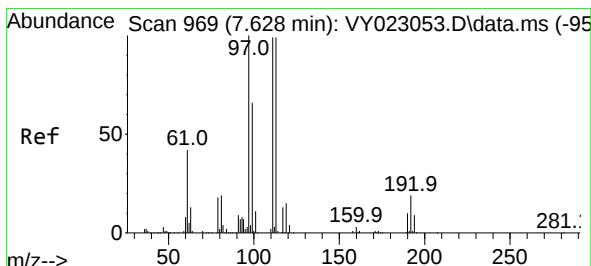
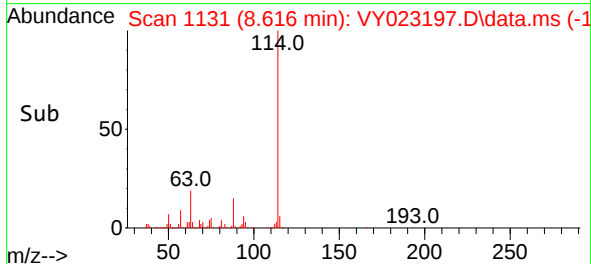
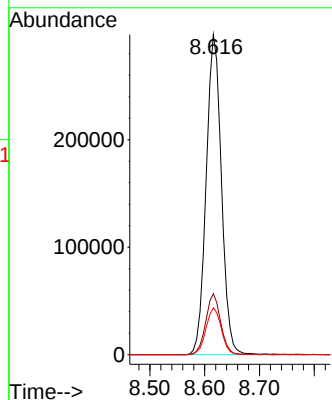
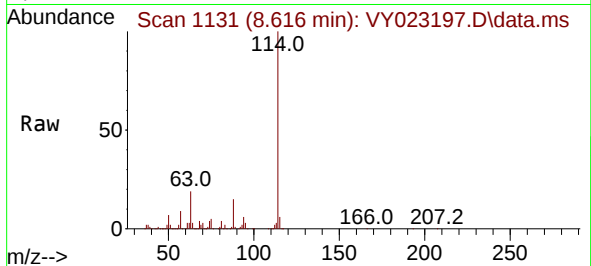




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

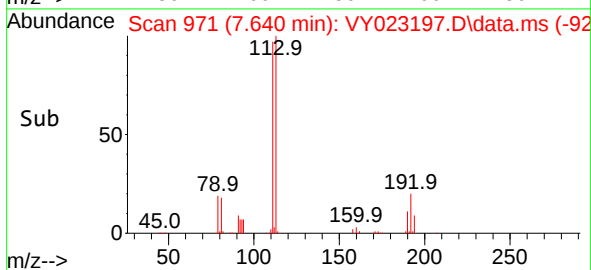
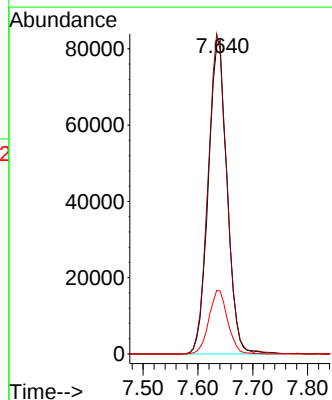
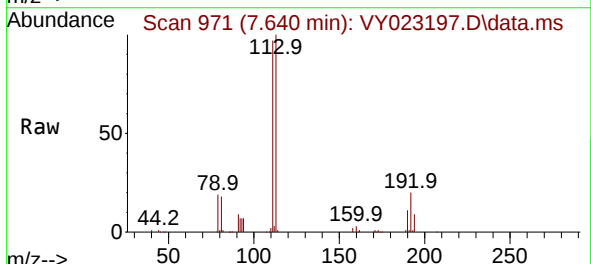
Instrument :
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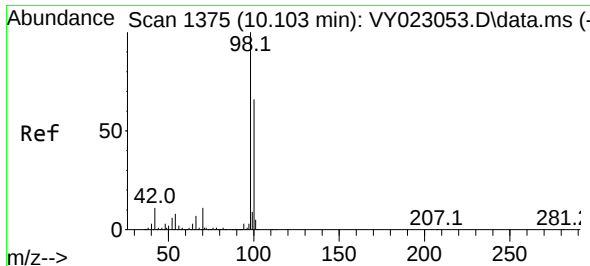
Tgt Ion:114 Resp: 574328
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 56.788 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

Tgt Ion:113 Resp: 195156
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 20.2 16.2 24.4

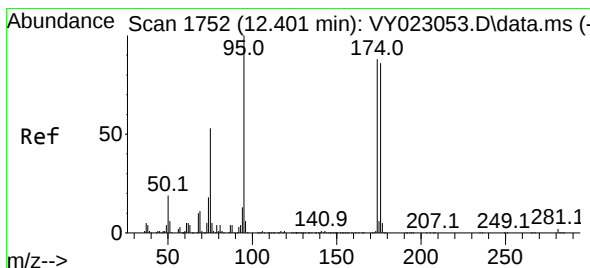
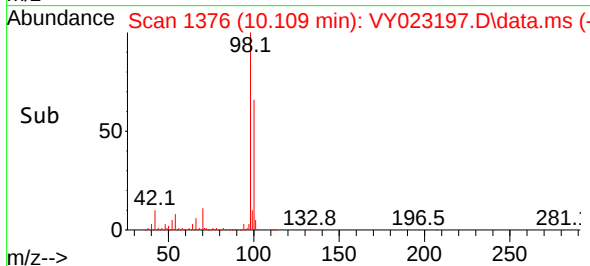
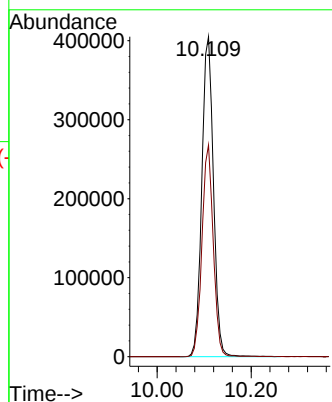
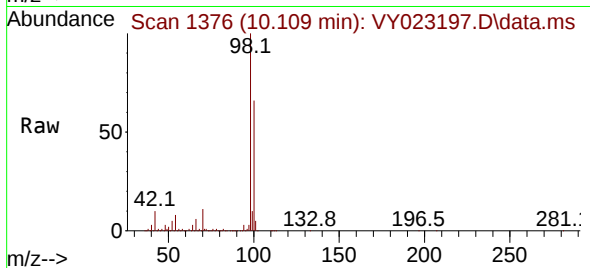




#50
Toluene-d8
Concen: 51.773 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

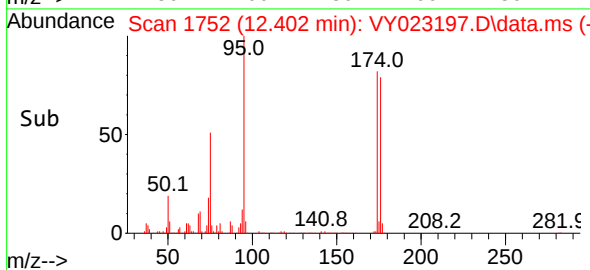
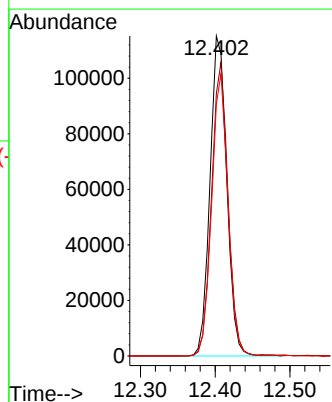
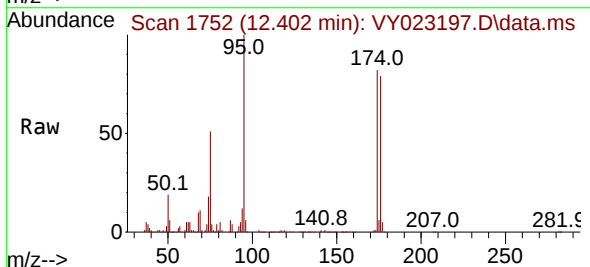
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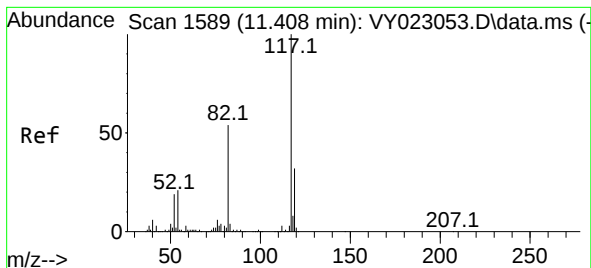
Tgt Ion: 98 Resp: 695073
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 41.584 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023197.D
Acq: 22 Aug 2025 16:58

Tgt Ion: 95 Resp: 179542
Ion Ratio Lower Upper
95 100
174 90.2 0.0 171.6
176 86.2 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: VY023197.D

Acq: 22 Aug 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-08202025

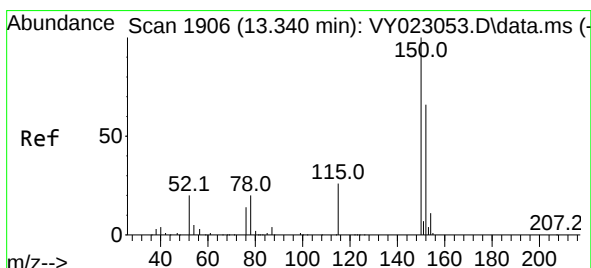
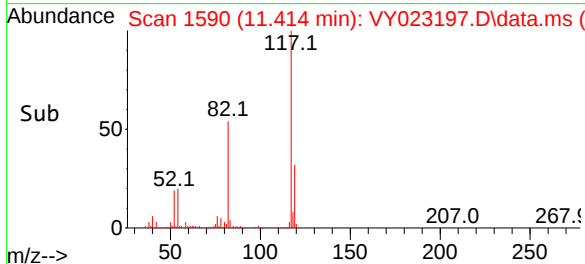
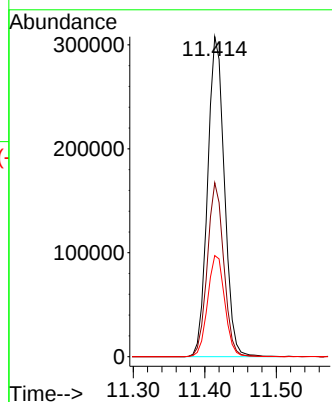
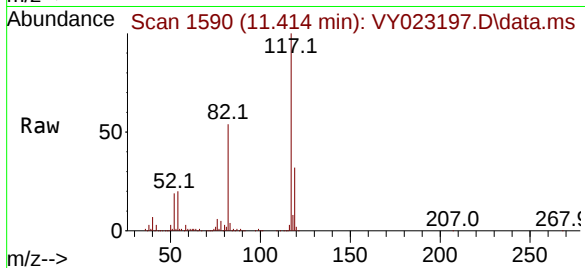
Tgt Ion:117 Resp: 502059

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 31.6 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: VY023197.D

Acq: 22 Aug 2025 16:58

Tgt Ion:152 Resp: 183267

Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.6

150 155.8 0.0 348.0

