

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023190.D
 Acq On : 22 Aug 2025 14:03
 Operator : SY/MD
 Sample : Q2916-01
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-08202025

Quant Time: Aug 25 05:16:55 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	7.713	168	35012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	48344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	32325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	7632	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	12422	37.226	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.460%
35) Dibromofluoromethane	7.634	113	12956	44.788	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.580%
50) Toluene-d8	10.109	98	51199	45.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.620%
62) 4-Bromofluorobenzene	12.402	95	9880	27.185	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.380%

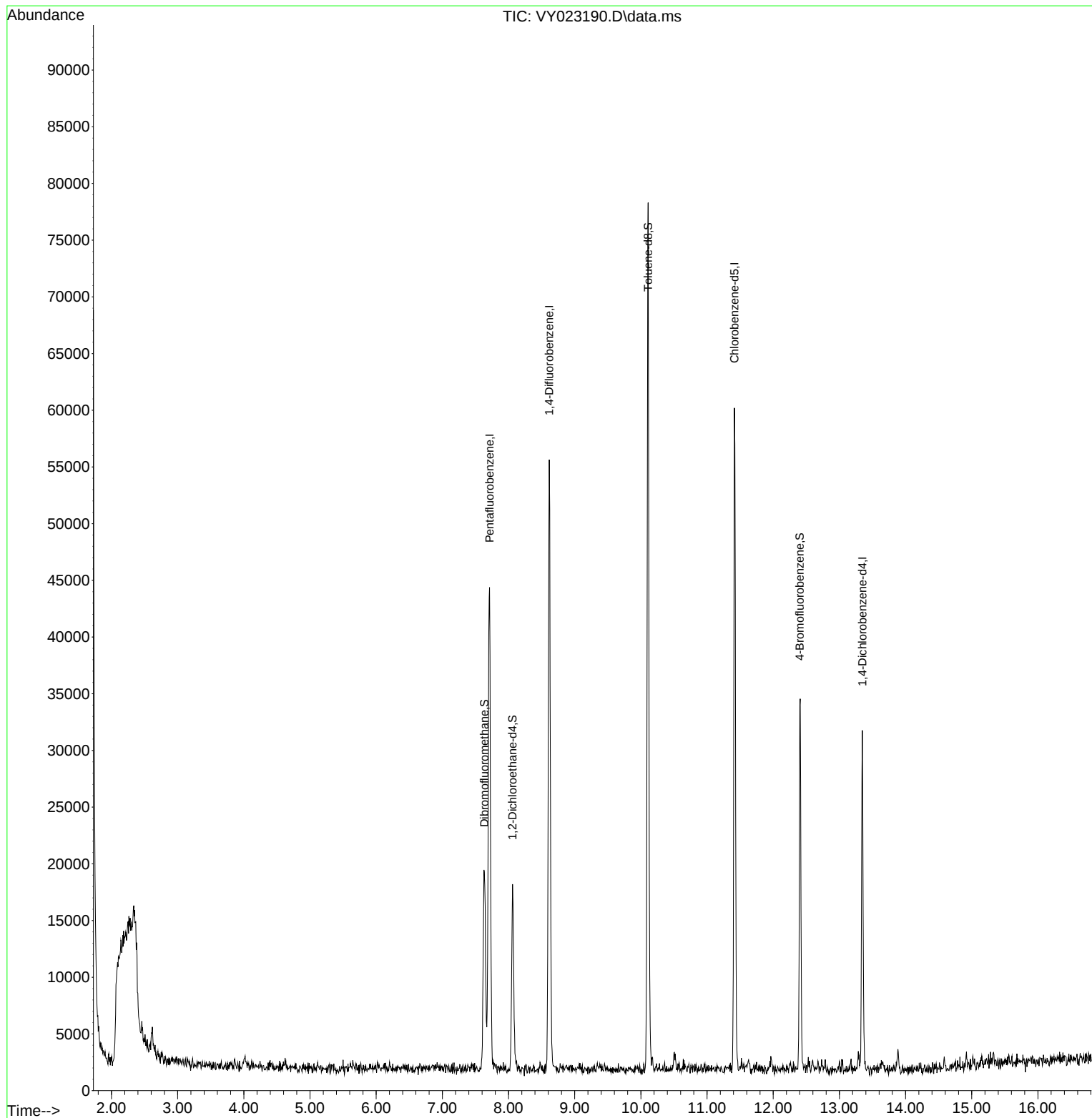
Target Compounds	Qvalue

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

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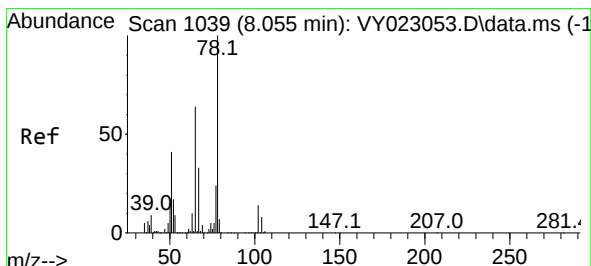
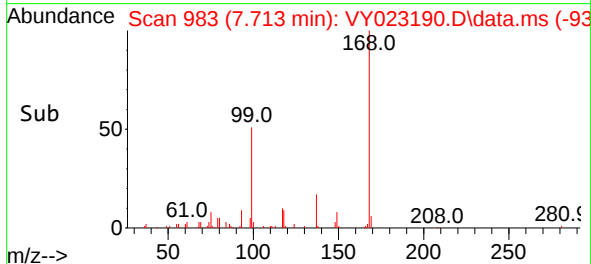
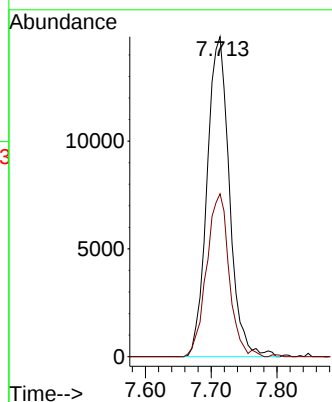
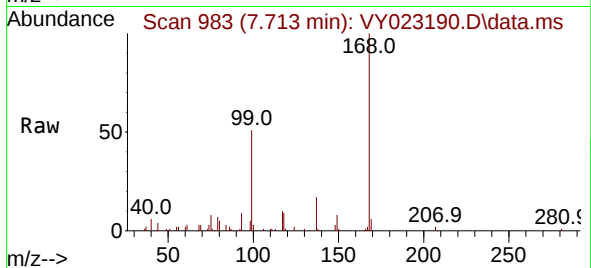




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023190.D
Acq: 22 Aug 2025 14:03

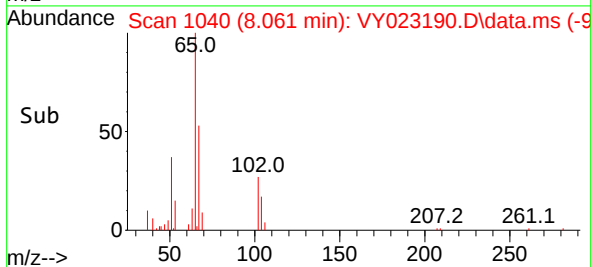
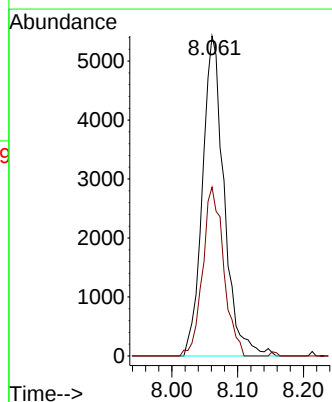
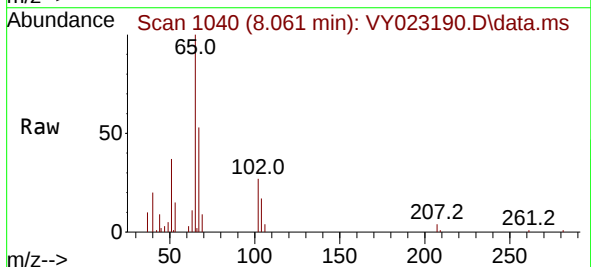
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-08202025

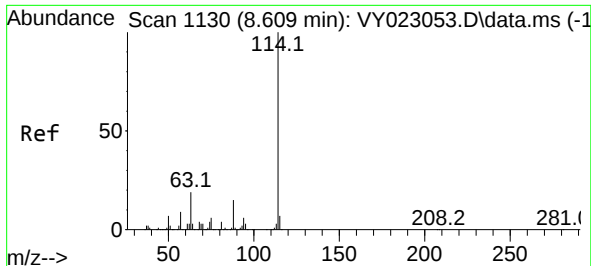
Tgt Ion:168 Resp: 35012
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 37.226 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023190.D
Acq: 22 Aug 2025 14:03

Tgt Ion: 65 Resp: 12422
Ion Ratio Lower Upper
65 100
67 51.0 0.0 106.8

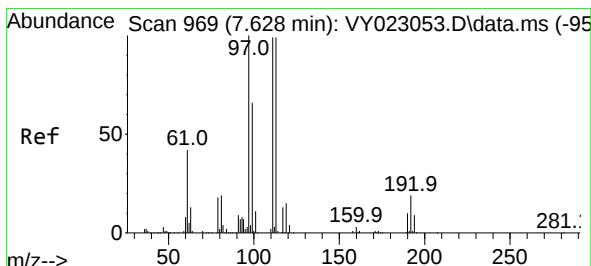
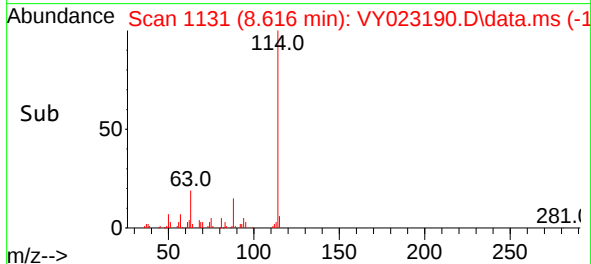
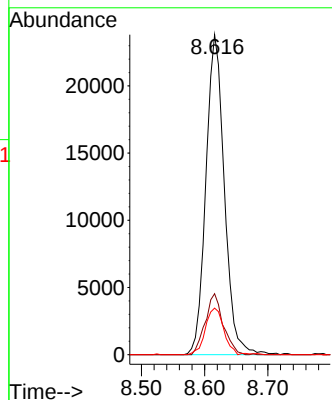
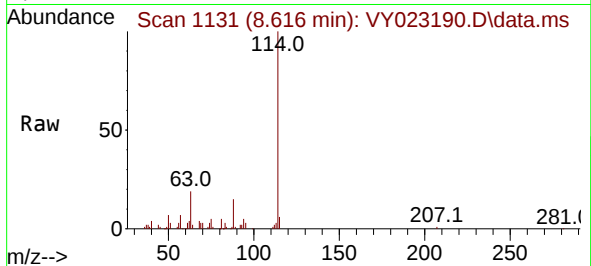




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023190.D
Acq: 22 Aug 2025 14:03

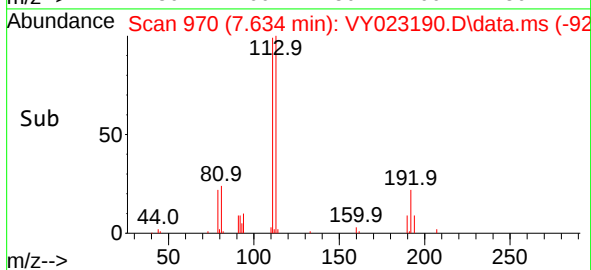
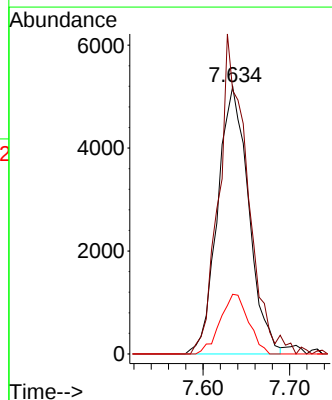
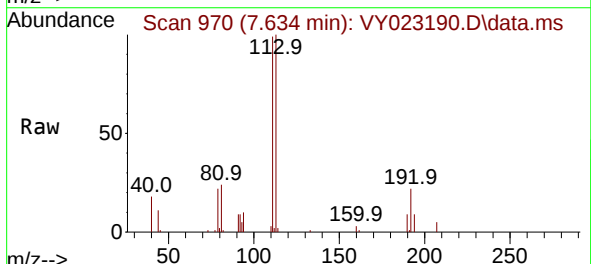
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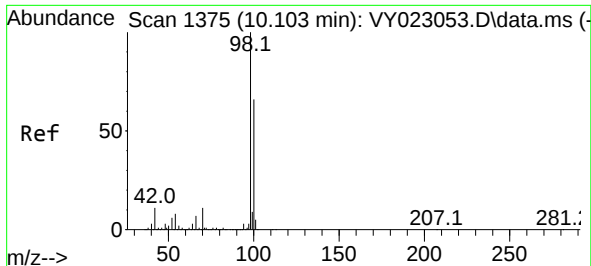
Tgt Ion:114 Resp: 48344
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.4
88 14.6 0.0 30.0



#35
Dibromofluoromethane
Concen: 44.788 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023190.D
Acq: 22 Aug 2025 14:03

Tgt Ion:113 Resp: 12956
Ion Ratio Lower Upper
113 100
111 110.2 81.1 121.7
192 20.3 16.2 24.4

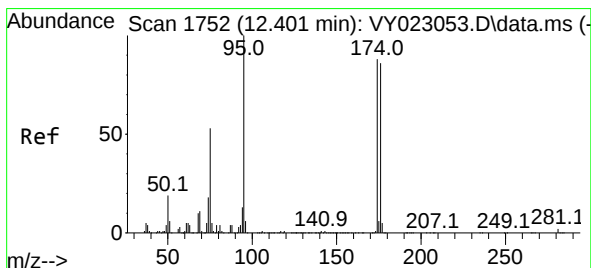
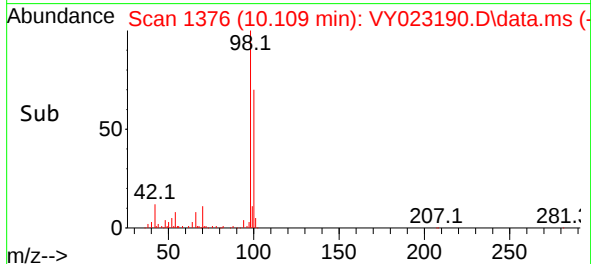
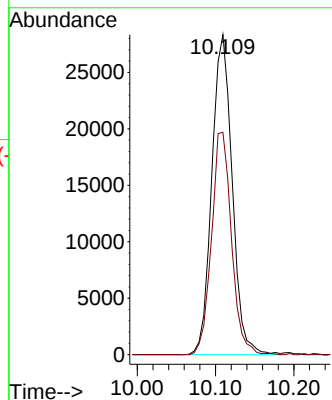
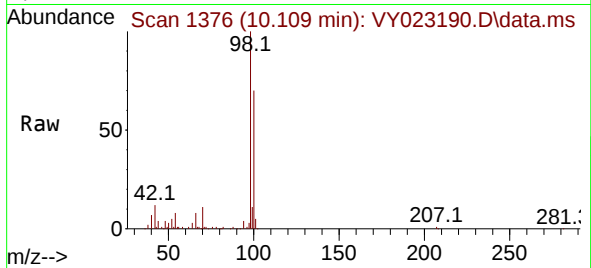




#50
Toluene-d8
Concen: 45.306 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023190.D
Acq: 22 Aug 2025 14:03

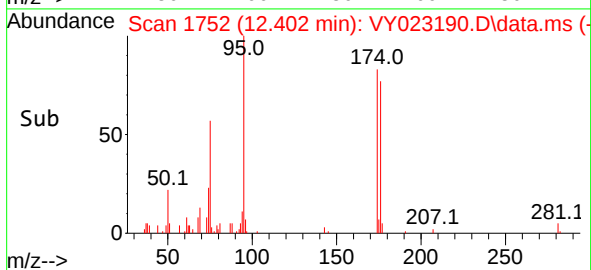
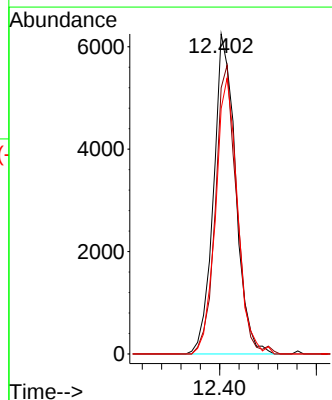
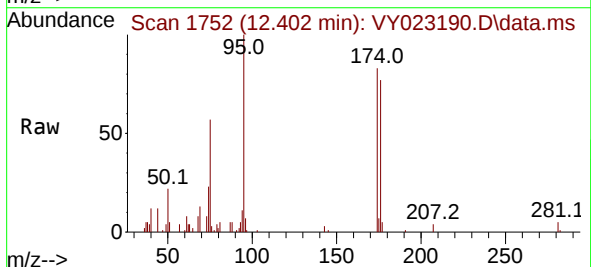
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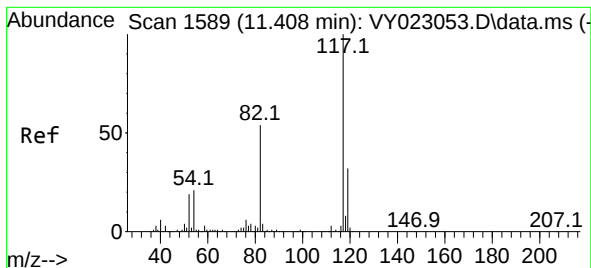
Tgt Ion: 98 Resp: 51199
Ion Ratio Lower Upper
98 100
100 68.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 27.185 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023190.D
Acq: 22 Aug 2025 14:03

Tgt Ion: 95 Resp: 9880
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 85.6 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: VY023190.D

Acq: 22 Aug 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-08202025

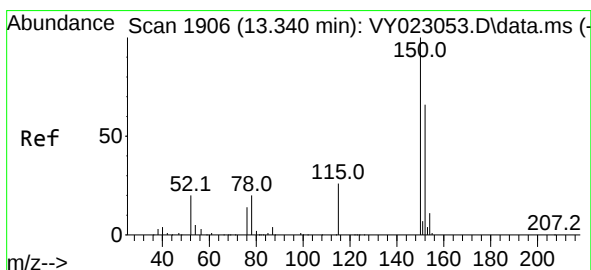
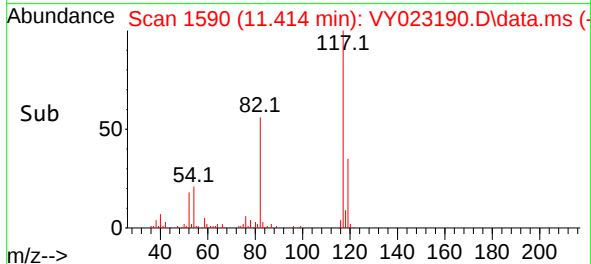
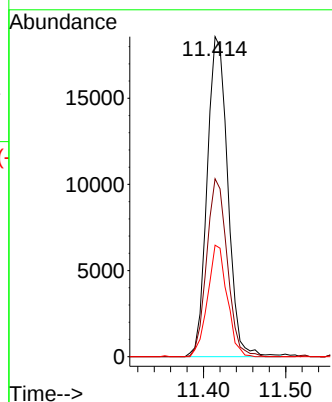
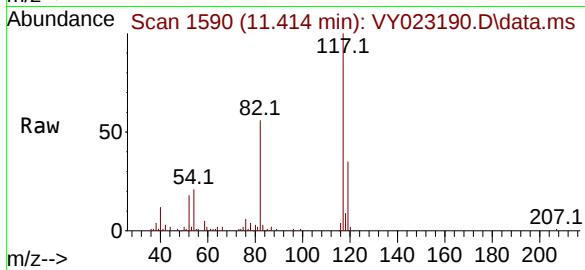
Tgt Ion:117 Resp: 32325

Ion Ratio Lower Upper

117 100

82 55.6 43.4 65.0

119 34.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023190.D

Acq: 22 Aug 2025 14:03

Tgt Ion:152 Resp: 7632

Ion Ratio Lower Upper

152 100

115 58.0 28.2 84.6

150 159.1 0.0 348.0

