

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023146.D
 Acq On : 19 Aug 2025 13:18
 Operator : SY/MD
 Sample : Q2871-04RE
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRILL CUTTING 4-6 COMPRE

Quant Time: Aug 20 01:29:10 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	76180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	112658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	85278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	25340	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	32673	45.001	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.000%
35) Dibromofluoromethane	7.628	113	38724	57.445	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.880%
50) Toluene-d8	10.103	98	125776	47.761	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.520%
62) 4-Bromofluorobenzene	12.402	95	28708	33.897	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.800%

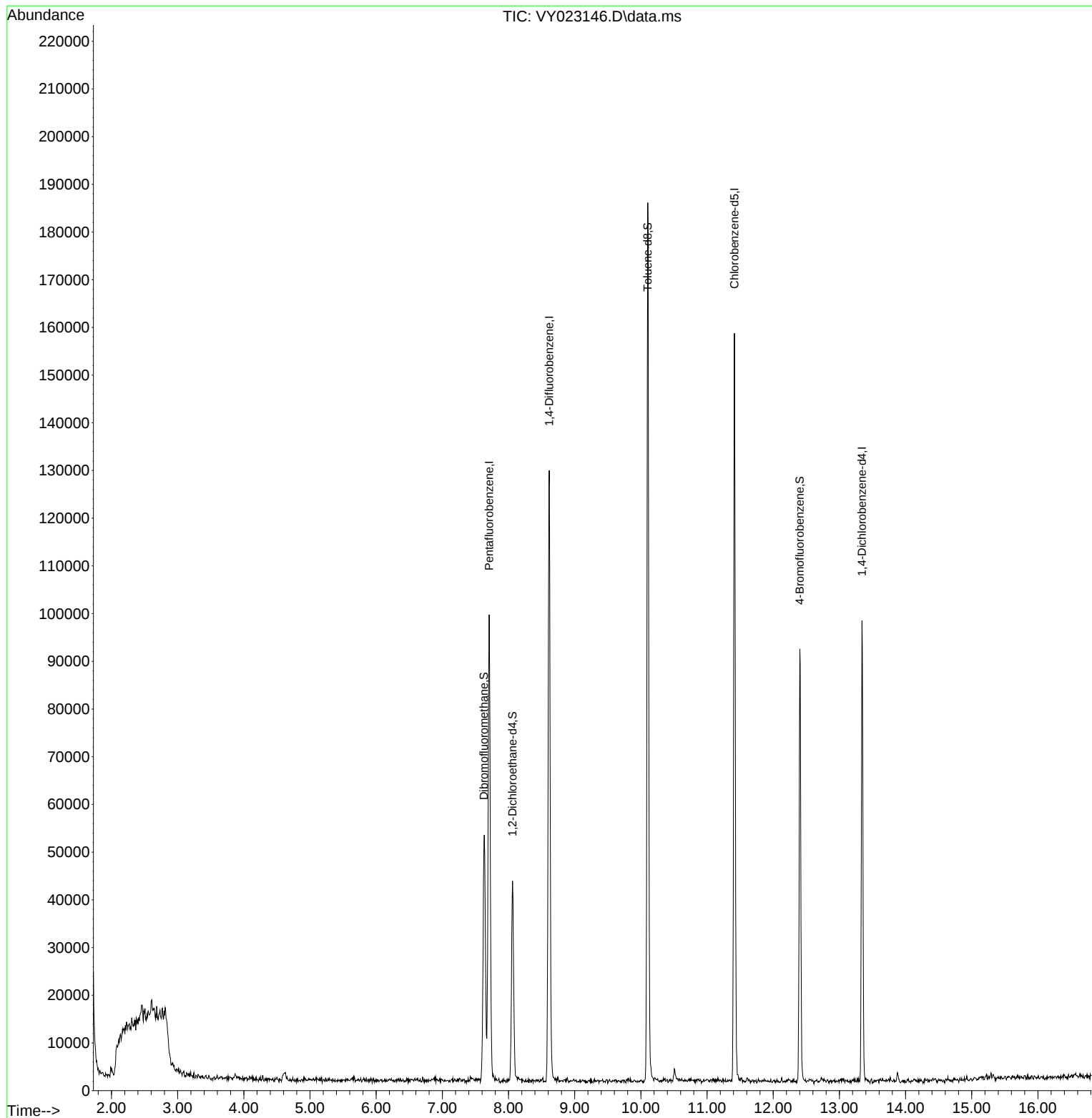
Target Compounds	Qvalue

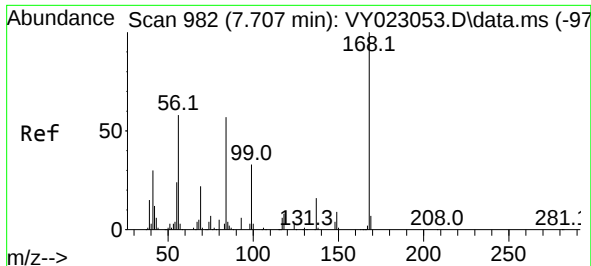
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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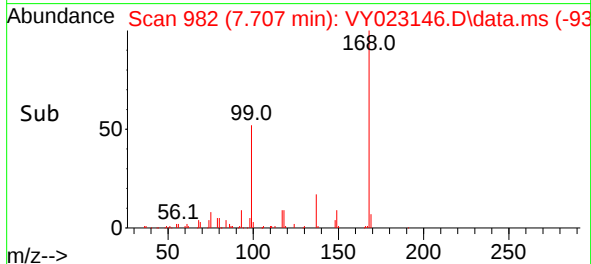
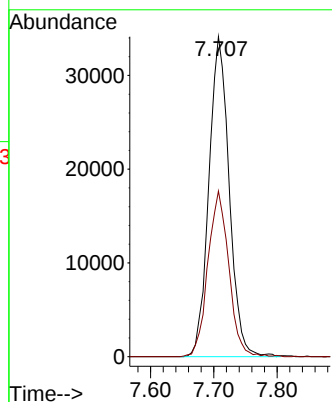
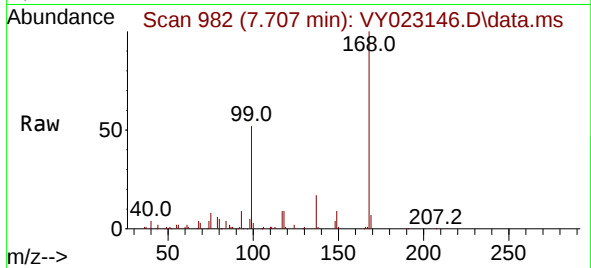




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

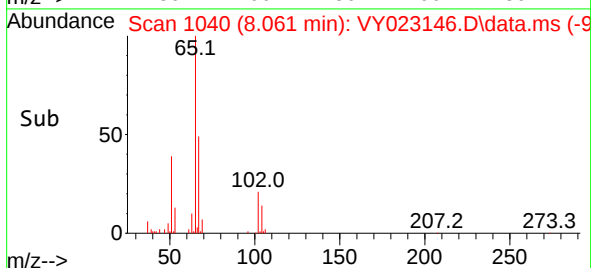
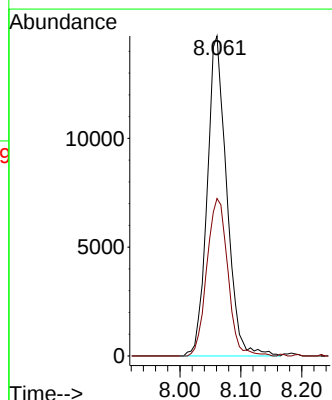
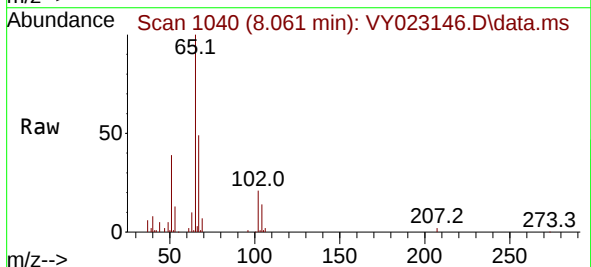
Instrument :
MSVOA_Y
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DRILL CUTTING 4-6 COMPRE

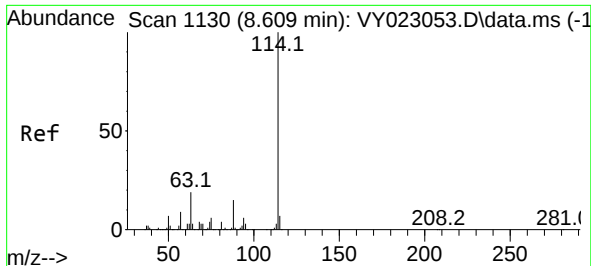
Tgt Ion:168 Resp: 76180
Ion Ratio Lower Upper
168 100
99 51.8 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 45.001 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

Tgt Ion: 65 Resp: 32673
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8

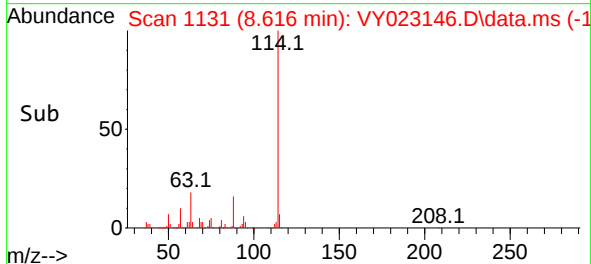
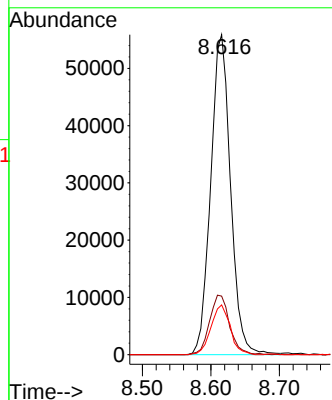
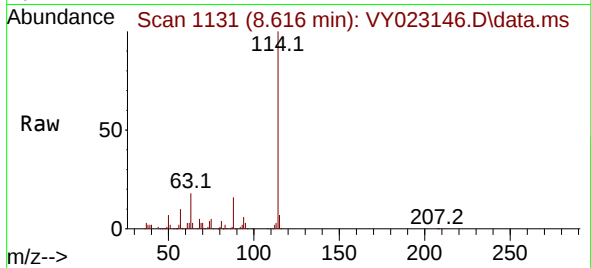




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

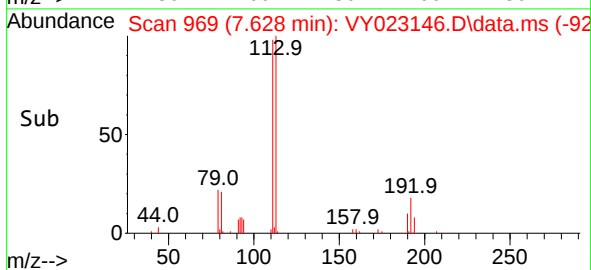
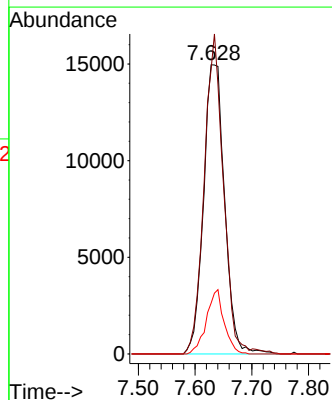
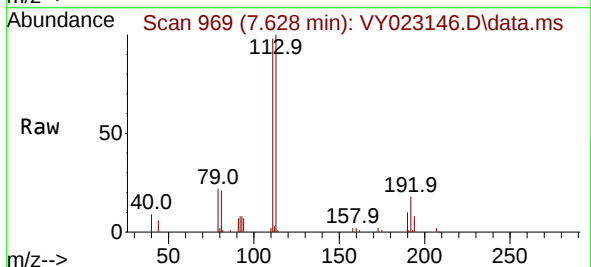
Instrument :
MSVOA_Y
ClientSampleId :
DRILL CUTTING 4-6 COMPRE

Tgt Ion:114 Resp: 112658
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.4
88 15.6 0.0 30.0



#35
Dibromofluoromethane
Concen: 57.445 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

Tgt Ion:113 Resp: 38724
Ion Ratio Lower Upper
113 100
111 101.2 81.1 121.7
192 18.6 16.2 24.4

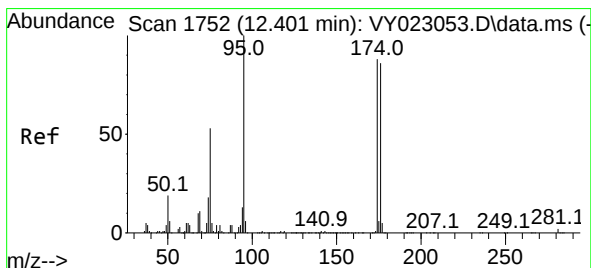
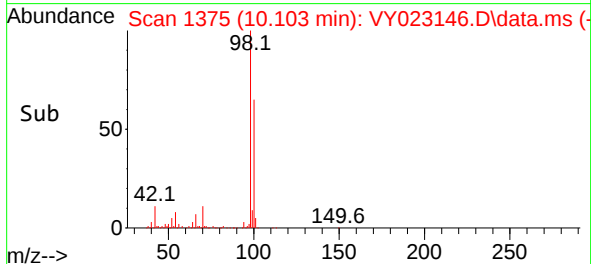
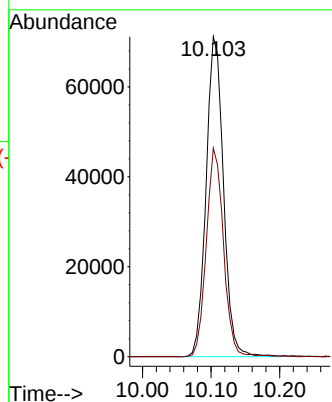
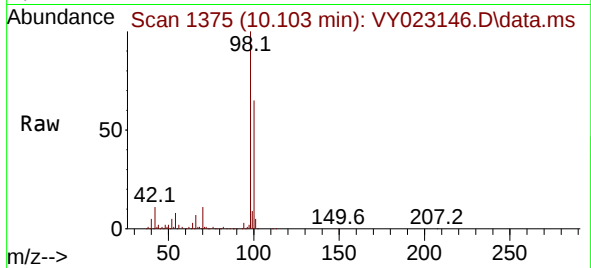




#50
Toluene-d8
Concen: 47.761 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

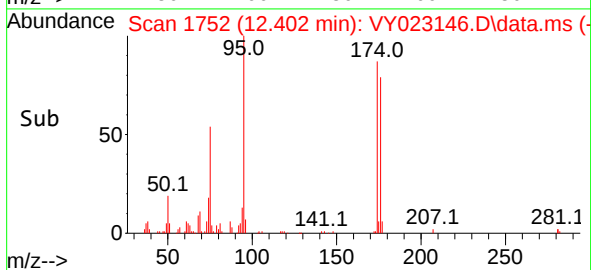
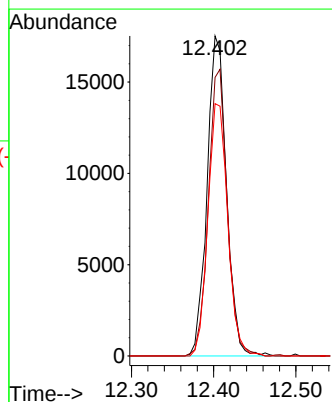
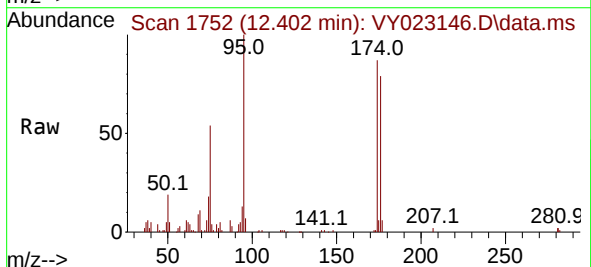
Instrument :
MSVOA_Y
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DRILL CUTTING 4-6 COMPRE

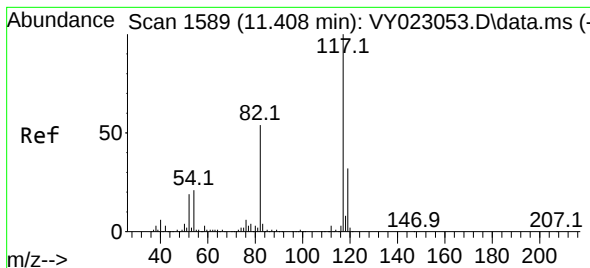
Tgt Ion: 98 Resp: 125776
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 33.897 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

Tgt Ion: 95 Resp: 28708
Ion Ratio Lower Upper
95 100
174 87.6 0.0 171.6
176 80.9 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: VY023146.D

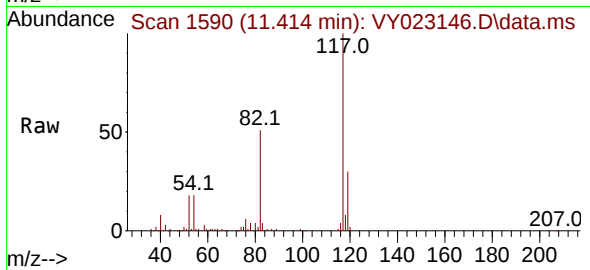
Acq: 19 Aug 2025 13:18

Instrument :

MSVOA_Y

ClientSampleId :

DRILL CUTTING 4-6 COMPRE



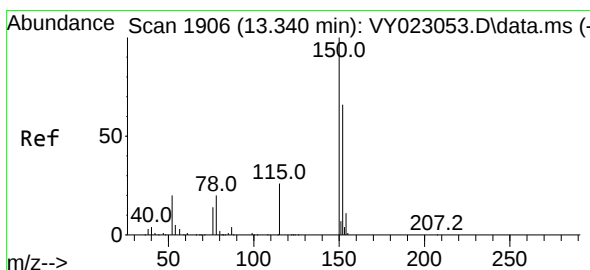
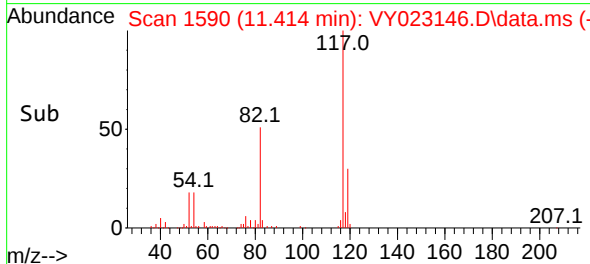
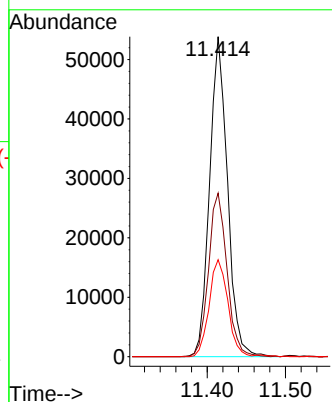
Tgt Ion:117 Resp: 85278

Ion Ratio Lower Upper

117 100

82 51.1 43.4 65.0

119 30.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023146.D

Acq: 19 Aug 2025 13:18

Tgt Ion:152 Resp: 25340

Ion Ratio Lower Upper

152 100

115 58.9 28.2 84.6

150 158.6 0.0 348.0

