

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023156.D
 Acq On : 19 Aug 2025 17:12
 Operator : SY/MD
 Sample : Q2879-17
 Misc : 3.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP11-081425

Quant Time: Aug 20 01:33:12 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	523510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	976443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	798419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	256755	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	273689	54.854	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.700%
35) Dibromofluoromethane	7.634	113	307577	52.643	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.280%
50) Toluene-d8	10.103	98	1150699	50.414	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.820%
62) 4-Bromofluorobenzene	12.401	95	280017	38.147	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.300%

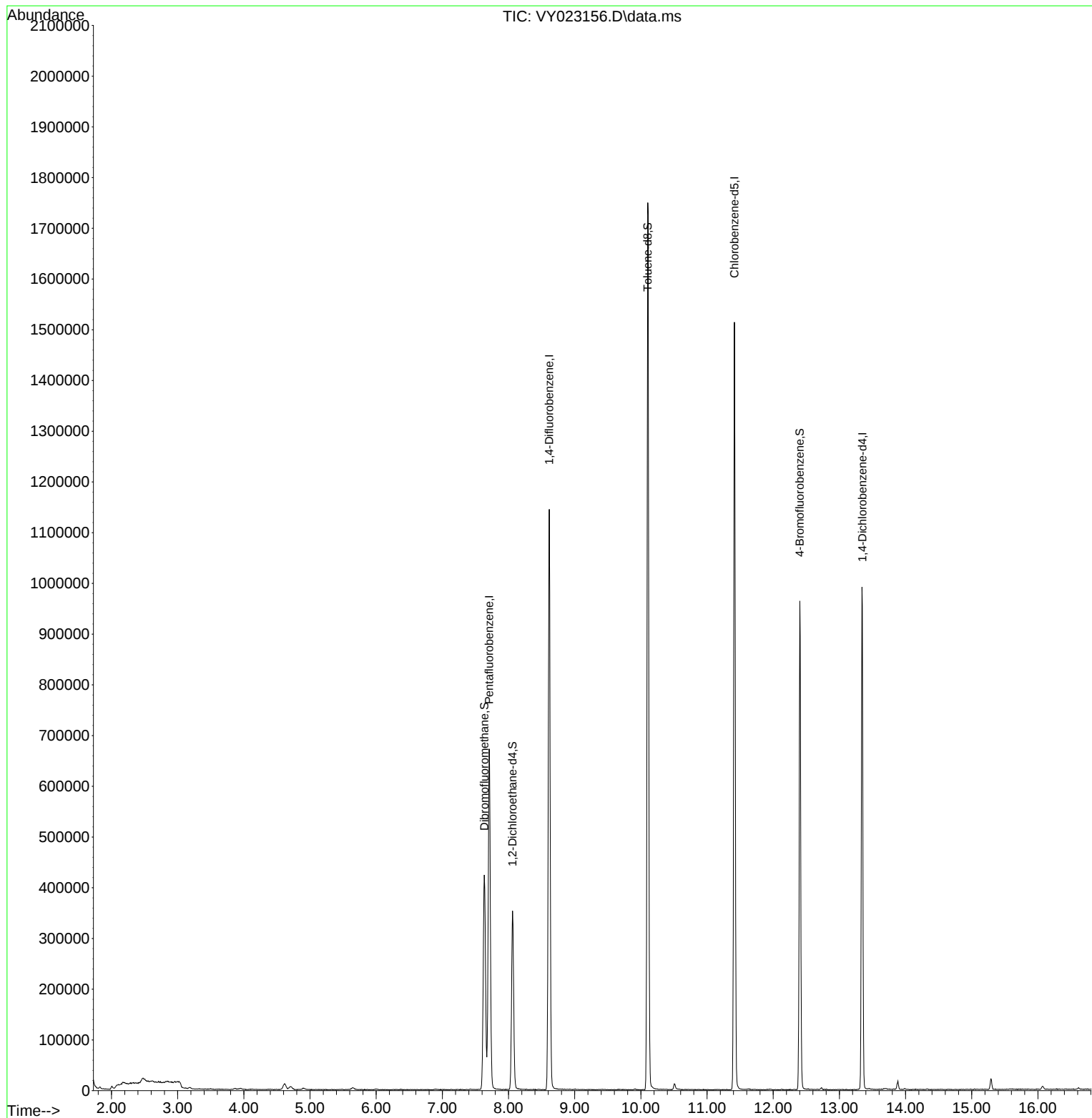
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023156.D
Acq On : 19 Aug 2025 17:12
Operator : SY/MD
Sample : Q2879-17
Misc : 3.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Quant Time: Aug 20 01:33:12 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

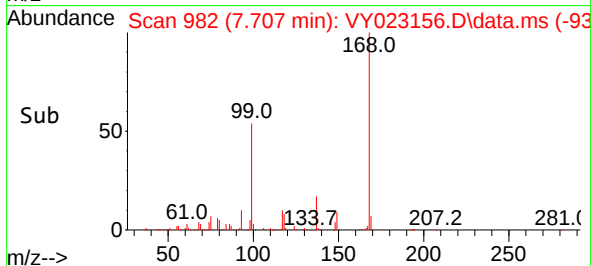
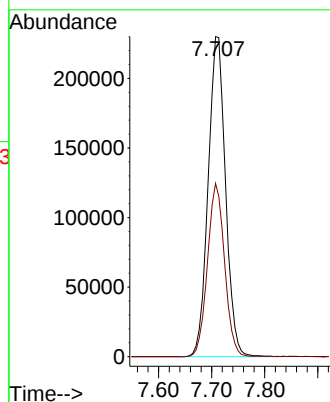
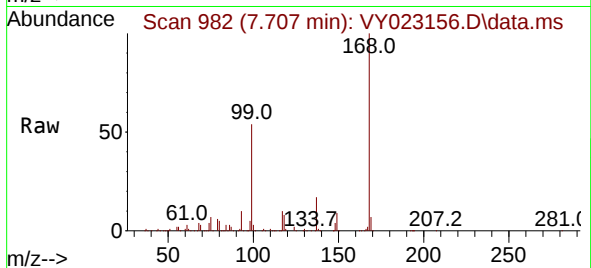




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

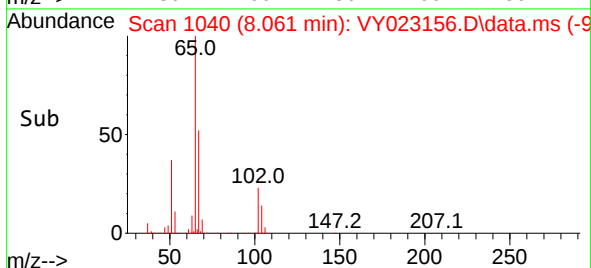
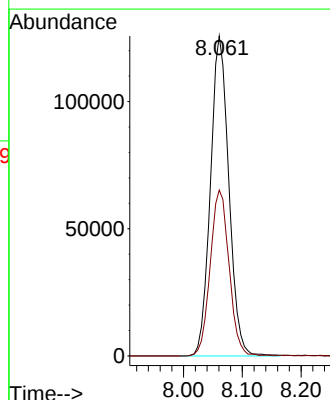
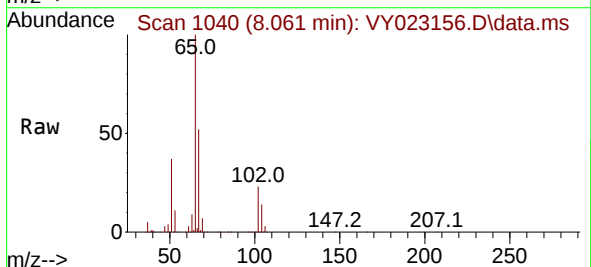
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

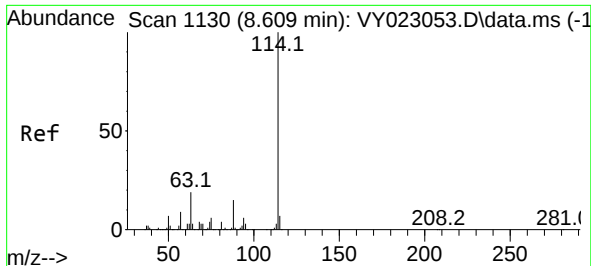
Tgt Ion:168 Resp: 523510
Ion Ratio Lower Upper
168 100
99 54.1 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 54.854 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Tgt Ion: 65 Resp: 273689
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8

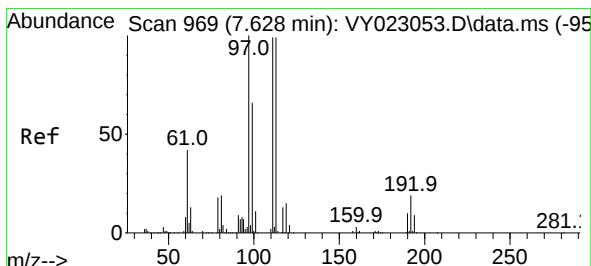
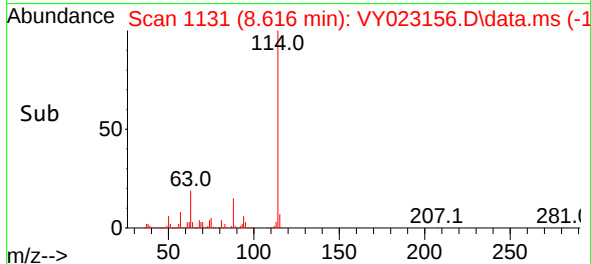
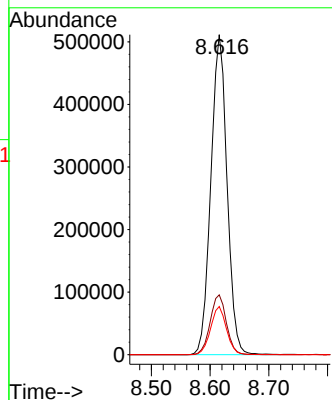
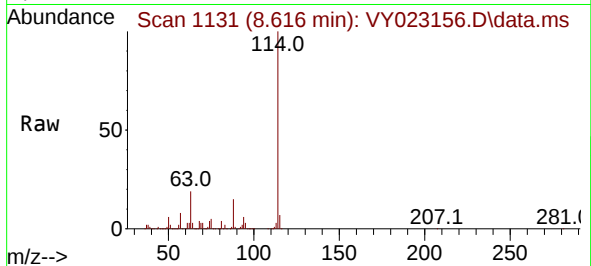




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

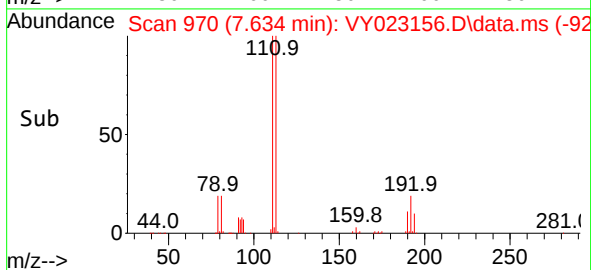
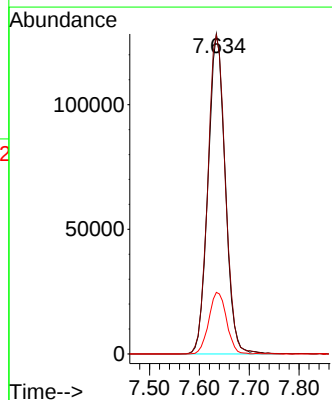
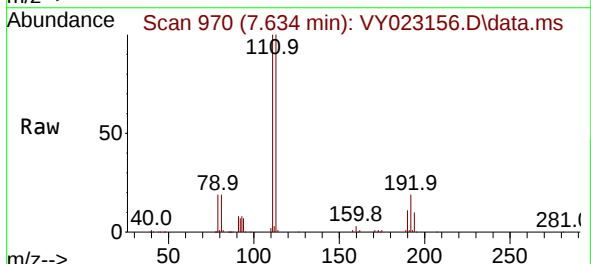
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:114 Resp: 976443
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.4
88 15.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.643 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Tgt Ion:113 Resp: 307577
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 19.8 16.2 24.4

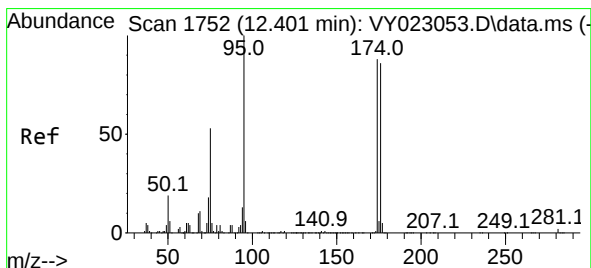
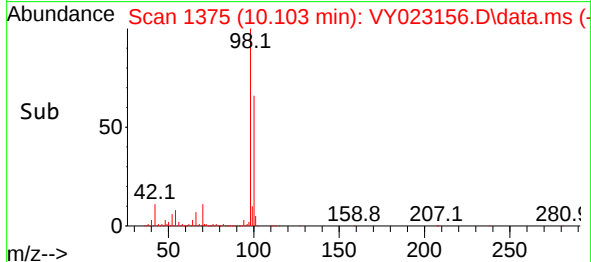
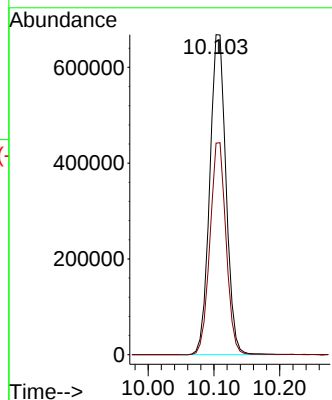
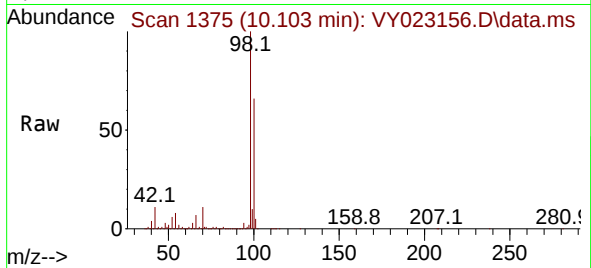




#50
Toluene-d8
Concen: 50.414 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

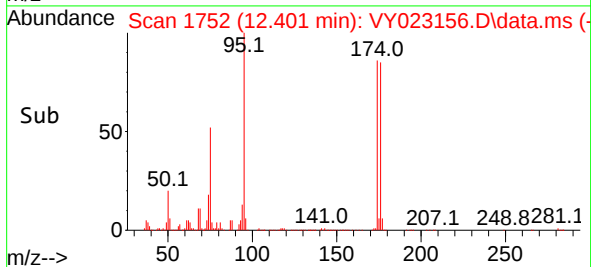
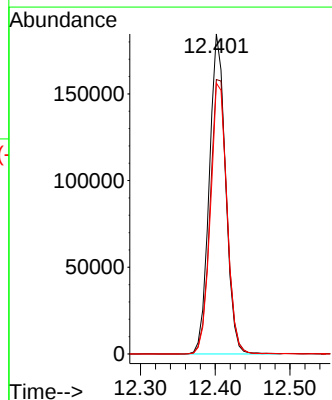
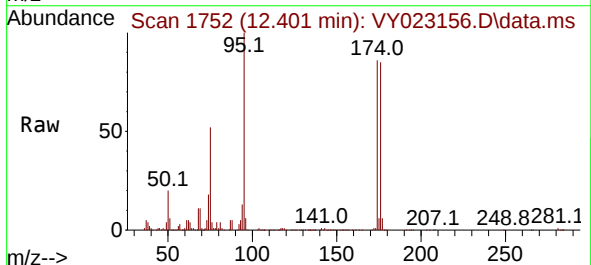
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

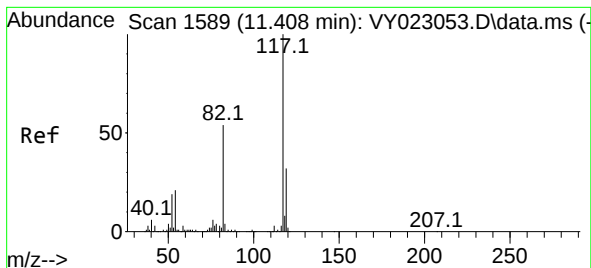
Tgt Ion: 98 Resp: 1150699
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 38.147 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023156.D
Acq: 19 Aug 2025 17:12

Tgt Ion: 95 Resp: 280017
Ion Ratio Lower Upper
95 100
174 88.8 0.0 171.6
176 85.8 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: VY023156.D

Acq: 19 Aug 2025 17:12

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP11-081425

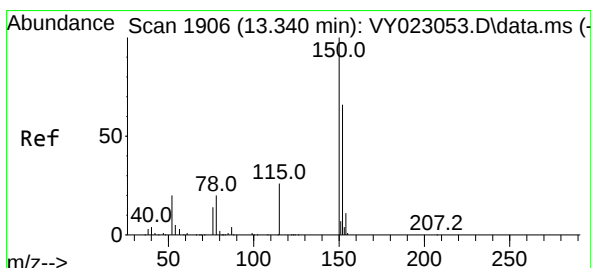
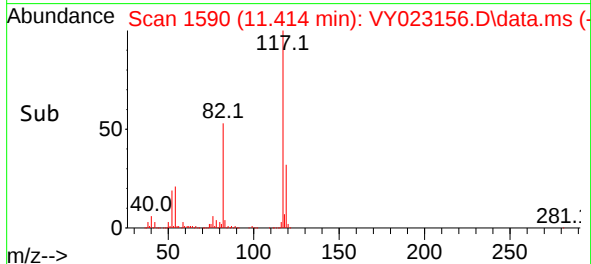
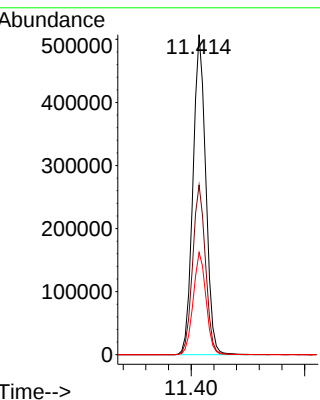
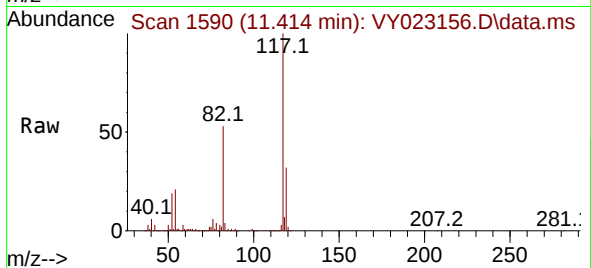
Tgt Ion:117 Resp: 798419

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 31.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023156.D

Acq: 19 Aug 2025 17:12

Tgt Ion:152 Resp: 256755

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

150 155.5 0.0 348.0

