

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022881.D
 Acq On : 30 Jun 2025 15:38
 Operator : SY/MD
 Sample : Q2450-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-2-062725

Quant Time: Jul 01 03:39:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

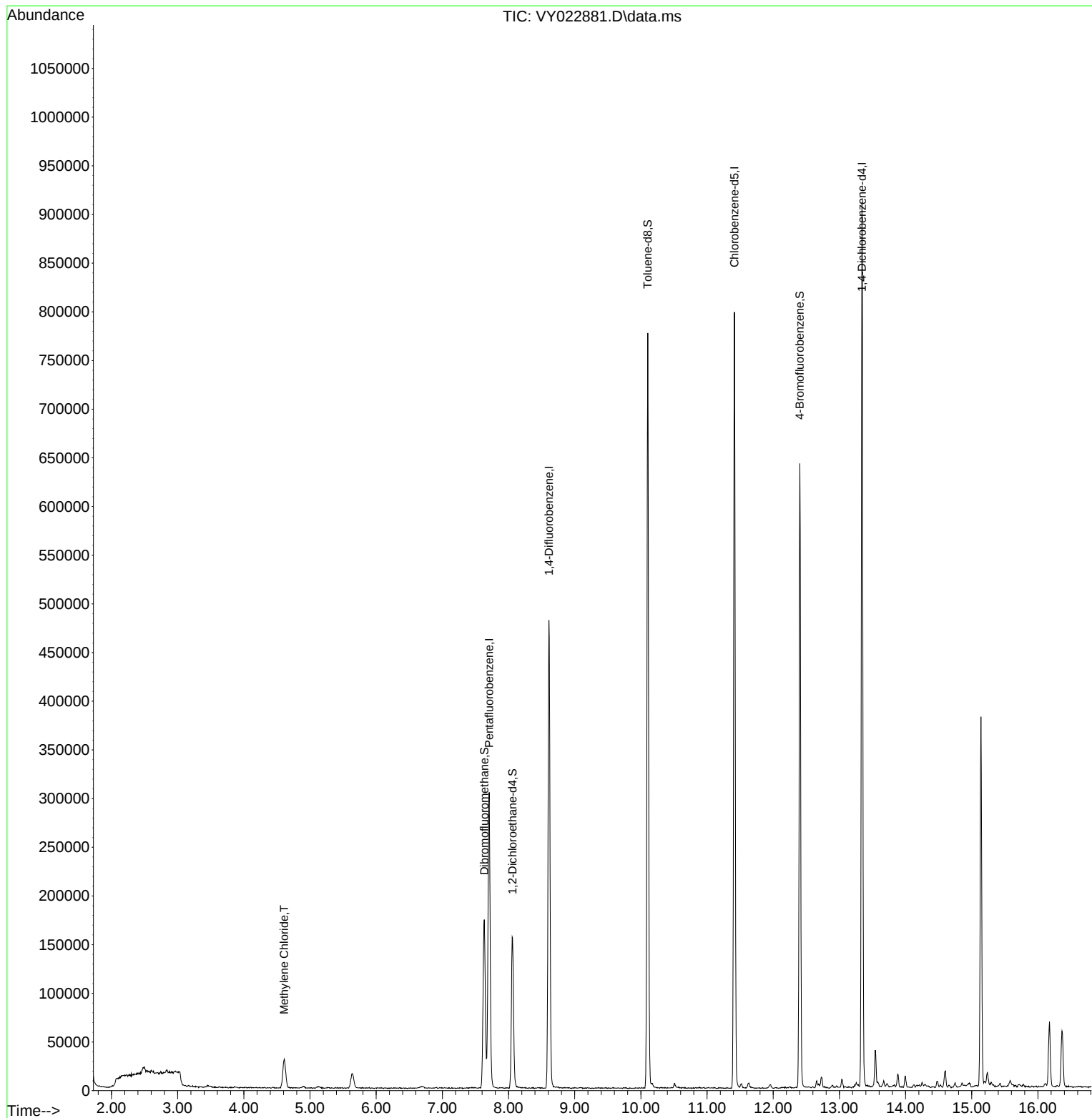
Internal Standards						
1) Pentafluorobenzene	7.707	168	225993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	400513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	398178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	214653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124031	49.174	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.340%
35) Dibromofluoromethane	7.634	113	122233	50.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.360%
50) Toluene-d8	10.103	98	485645	50.246	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.500%
62) 4-Bromofluorobenzene	12.401	95	187912	60.478	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	120.960%
Target Compounds						
20) Methylene Chloride	4.610	84	21303	7.076	ug/l	Qvalue 96

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

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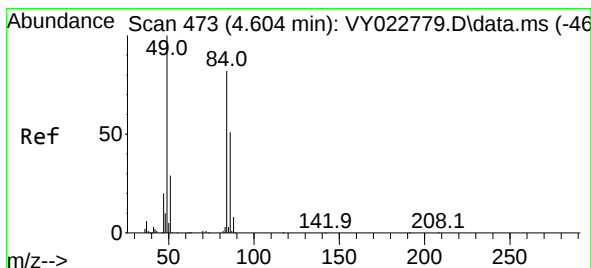
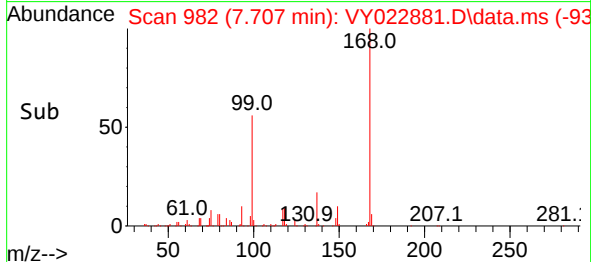
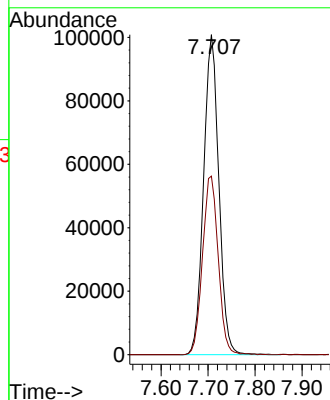
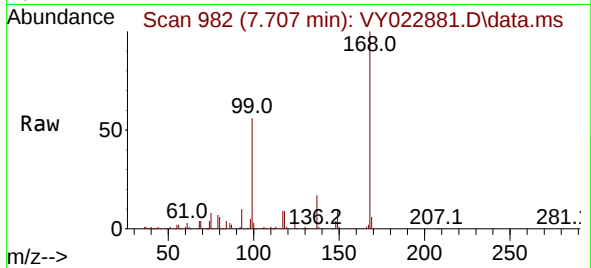




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

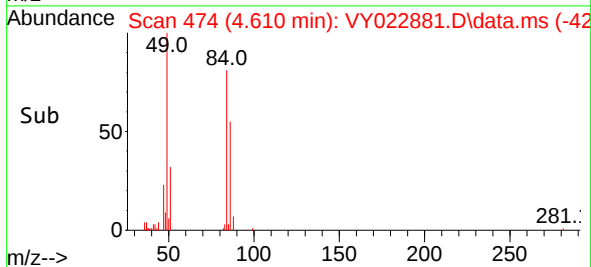
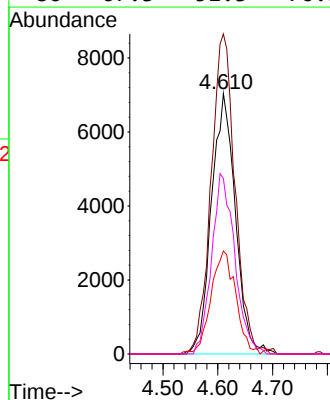
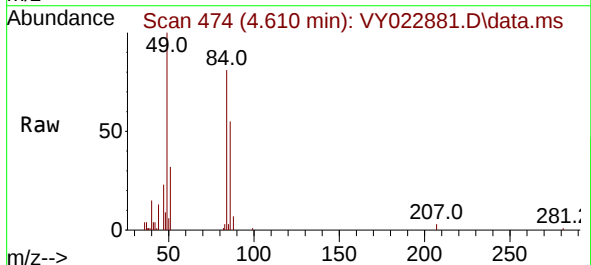
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-062725

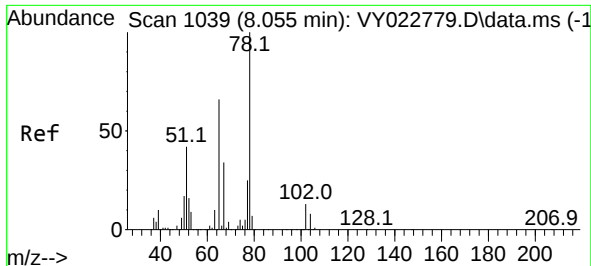
Tgt Ion:168 Resp: 225993
Ion Ratio Lower Upper
168 100
99 55.8 44.3 66.5



#20
Methylene Chloride
Concen: 7.076 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

Tgt Ion: 84 Resp: 21303
Ion Ratio Lower Upper
84 100
49 122.8 101.9 152.9
51 39.6 29.8 44.8
86 67.3 51.3 76.9

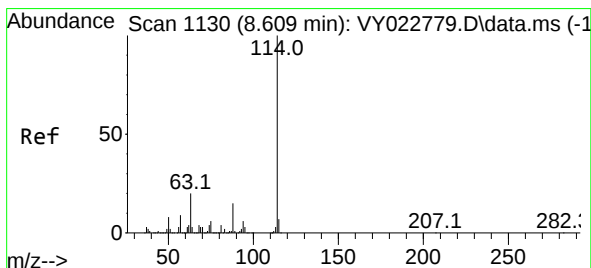
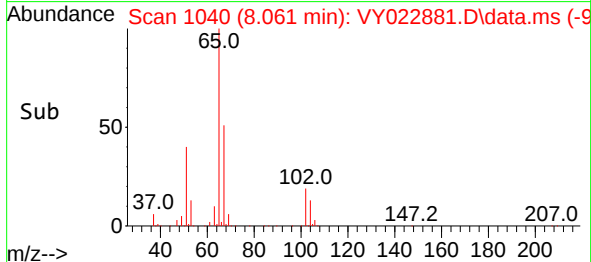
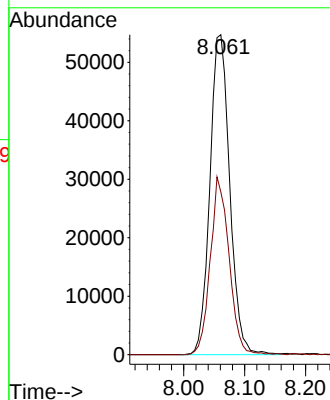
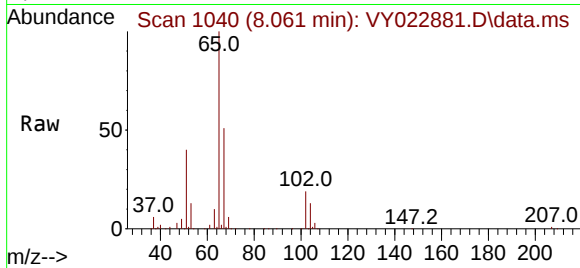




#33
1,2-Dichloroethane-d4
Concen: 49.174 ug/l
RT: 8.061 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

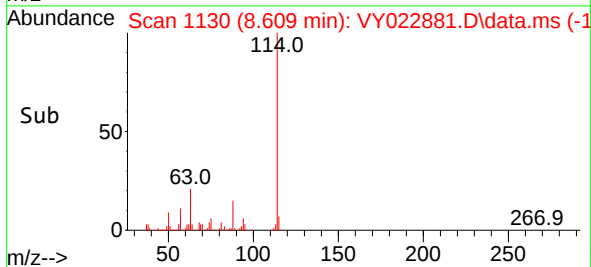
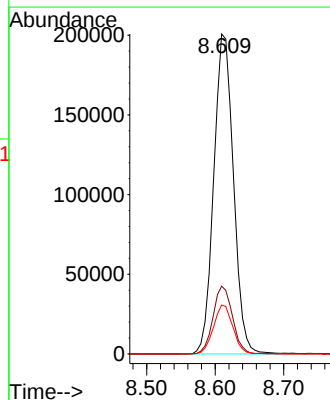
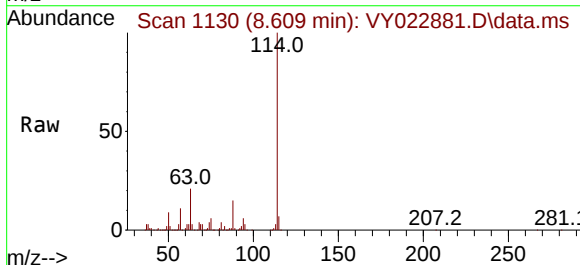
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-062725

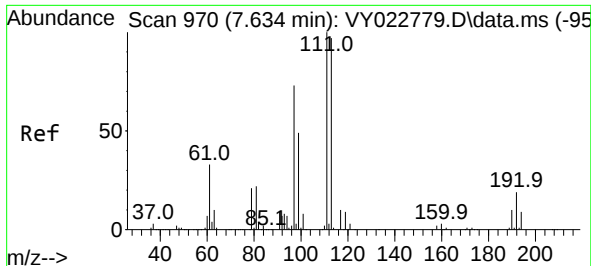
Tgt Ion: 65 Resp: 124031
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

Tgt Ion:114 Resp: 400513
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 15.3 0.0 27.8

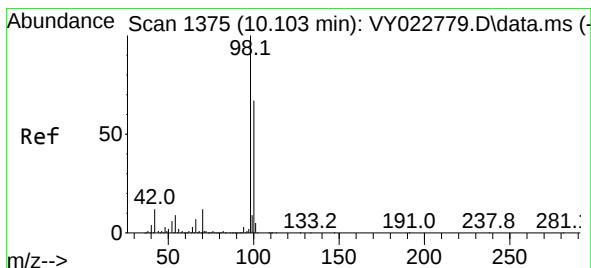
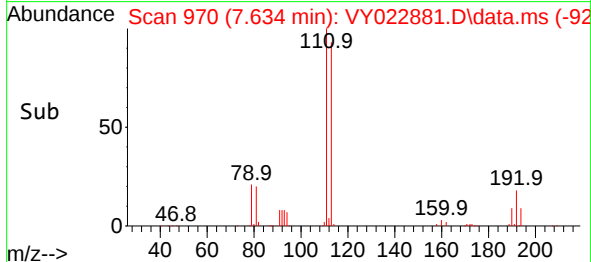
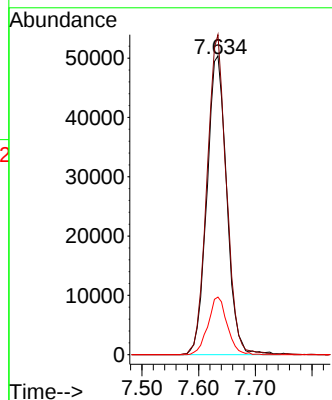
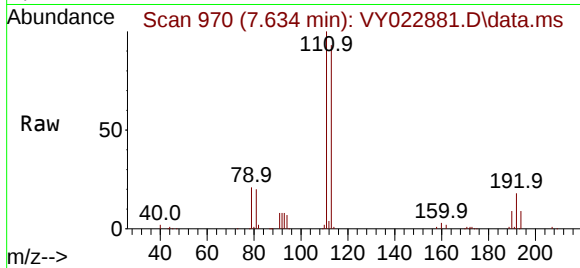




#35
Dibromofluoromethane
Concen: 50.183 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

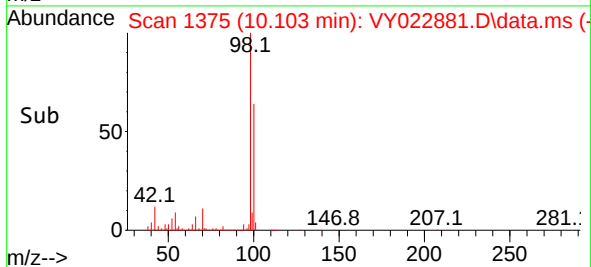
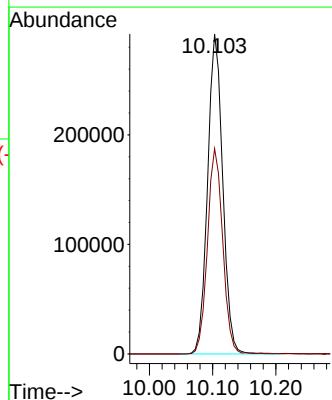
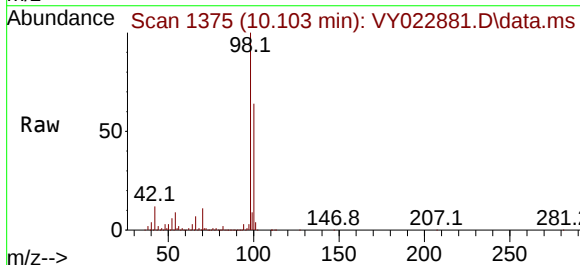
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-062725

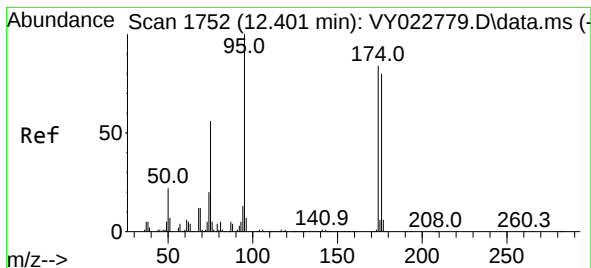
Tgt Ion:113 Resp: 122233
Ion Ratio Lower Upper
113 100
111 104.8 81.1 121.7
192 18.7 14.2 21.2



#50
Toluene-d8
Concen: 50.246 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

Tgt Ion: 98 Resp: 485645
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 60.478 ug/l

RT: 12.401 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022881.D

Acq: 30 Jun 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

PL-2-062725

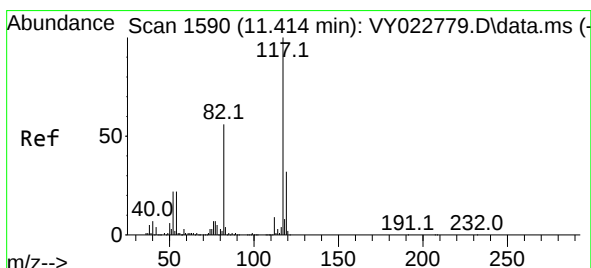
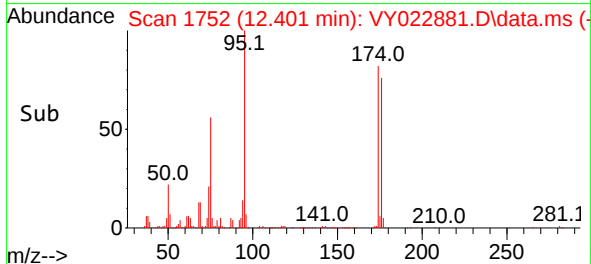
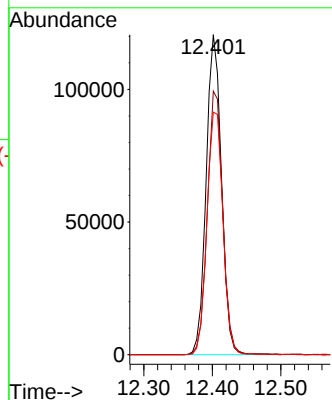
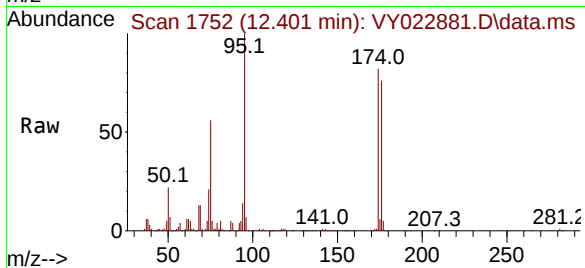
Tgt Ion: 95 Resp: 187912

Ion Ratio Lower Upper

95 100

174 82.9 0.0 170.0

176 79.3 0.0 166.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022881.D

Acq: 30 Jun 2025 15:38

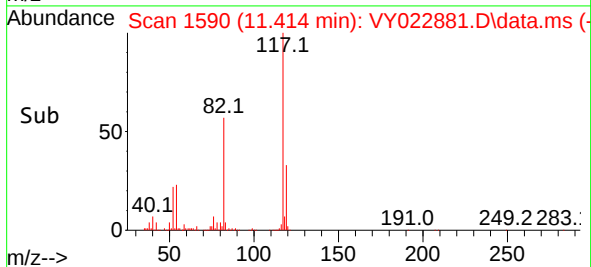
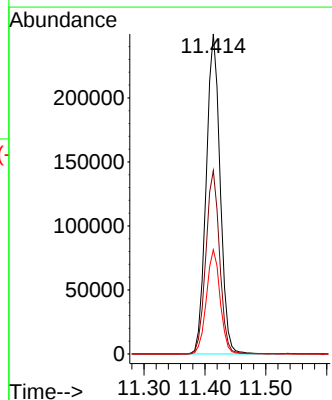
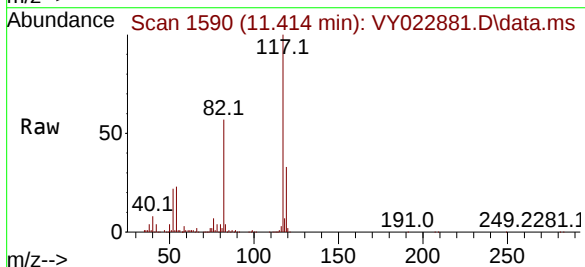
Tgt Ion: 117 Resp: 398178

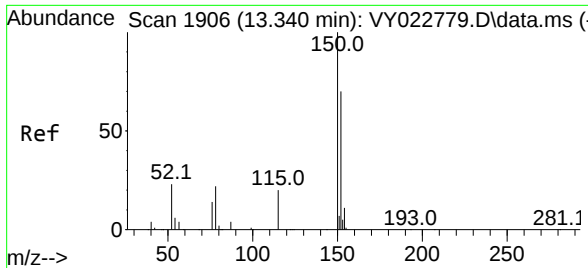
Ion Ratio Lower Upper

117 100

82 57.3 44.6 66.8

119 32.5 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022881.D
 Acq: 30 Jun 2025 15:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-2-062725

Tgt Ion:152 Resp: 214653

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.9	86.7
150	157.1	0.0	349.6

