

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022805.D
 Acq On : 24 Jun 2025 18:13
 Operator : SY/MD
 Sample : Q2403-07
 Misc : 4.80g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS 20-006

Quant Time: Jun 25 01:29:55 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	7.701	168	389232	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	705268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	642123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	280809	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	217670	50.106	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.220%
35) Dibromofluoromethane	7.628	113	211139	49.227	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.460%
50) Toluene-d8	10.103	98	841002	49.413	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.820%
62) 4-Bromofluorobenzene	12.402	95	278304	50.866	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.740%

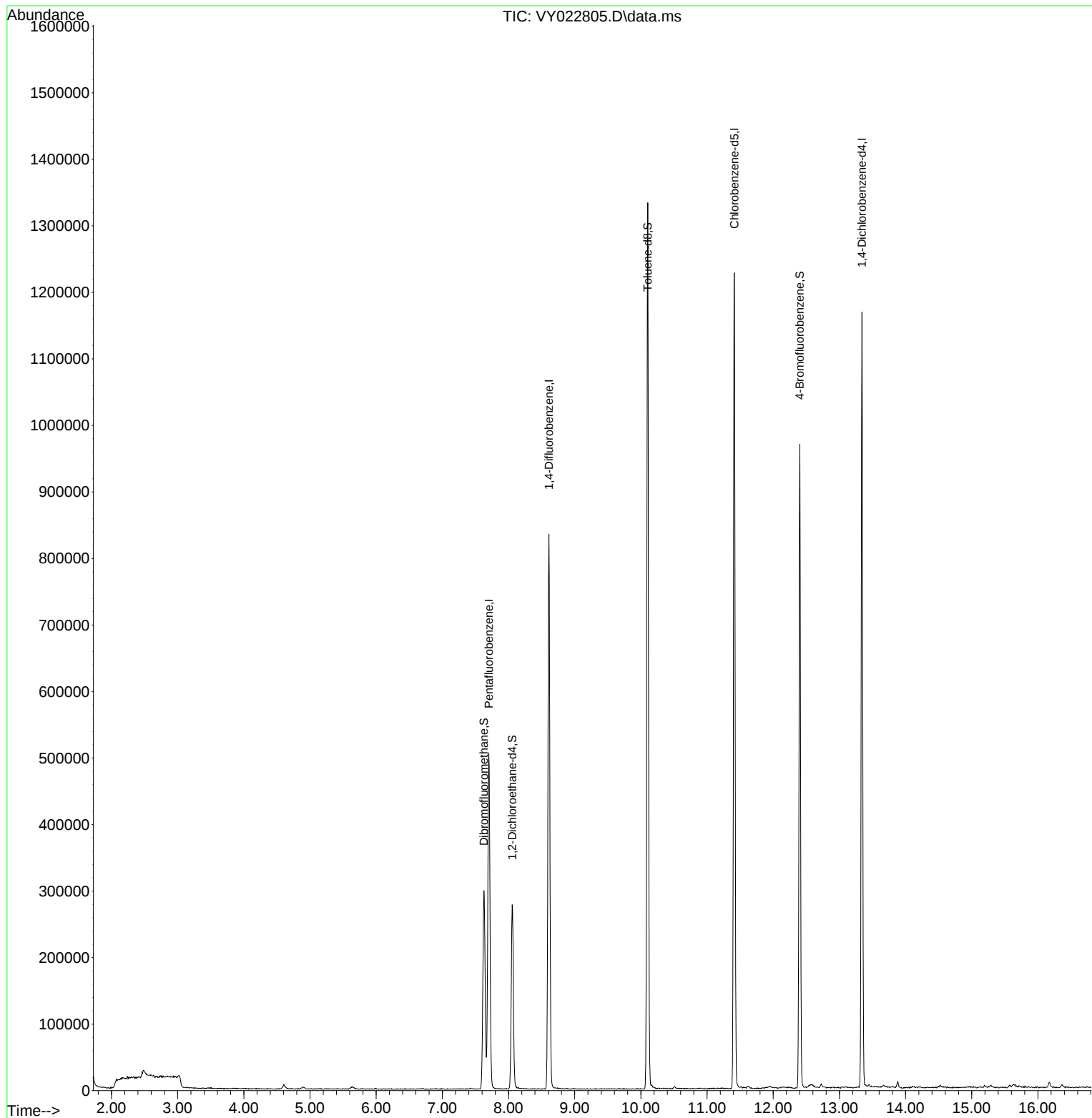
Target Compounds	Qvalue

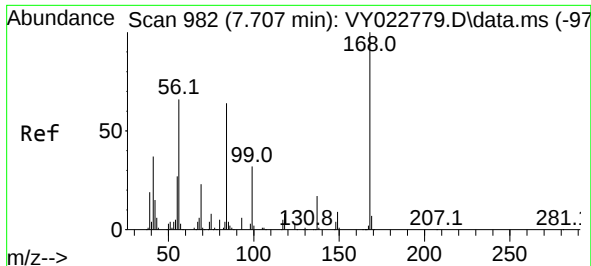
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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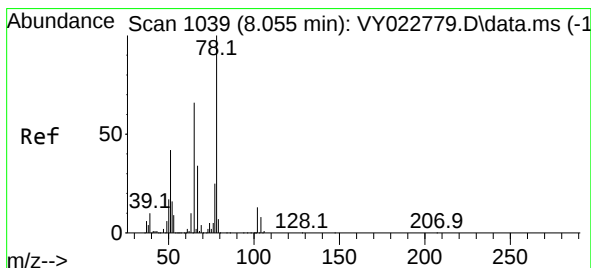
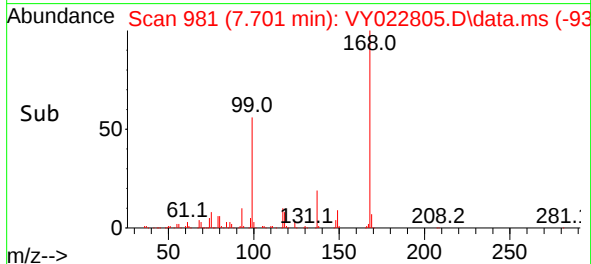
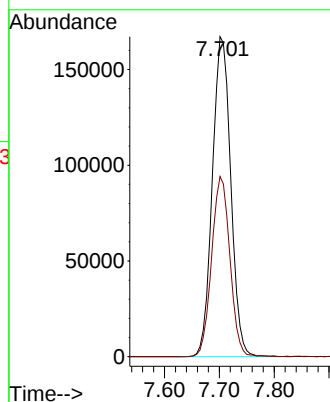
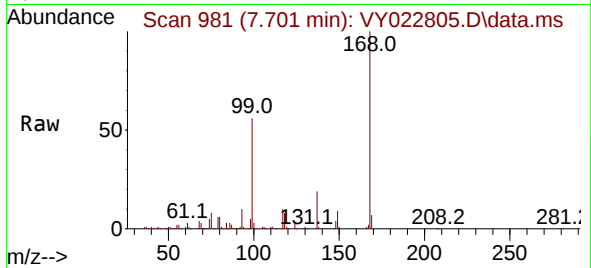




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.012 min
Lab File: VY022805.D
Acq: 24 Jun 2025 18:13

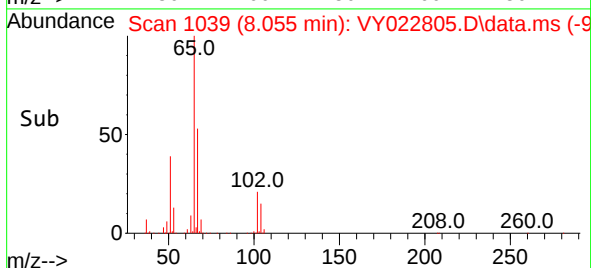
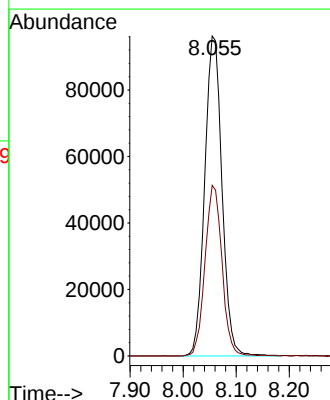
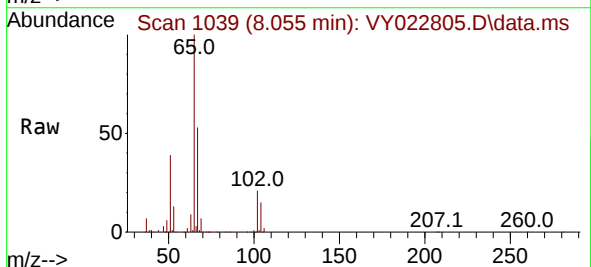
Instrument :
MSVOA_Y
ClientSampleId :
ARS 20-006

Tgt Ion:168 Resp: 389232
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 50.106 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022805.D
Acq: 24 Jun 2025 18:13

Tgt Ion: 65 Resp: 217670
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022805.D

Acq: 24 Jun 2025 18:13

Instrument :

MSVOA_Y

ClientSampleId :

ARS 20-006

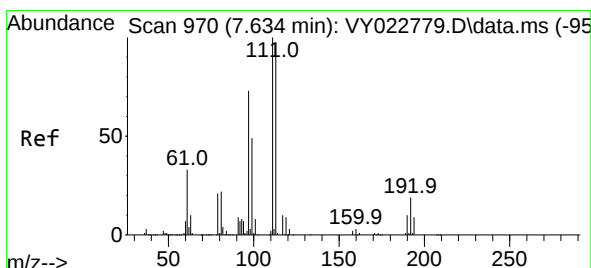
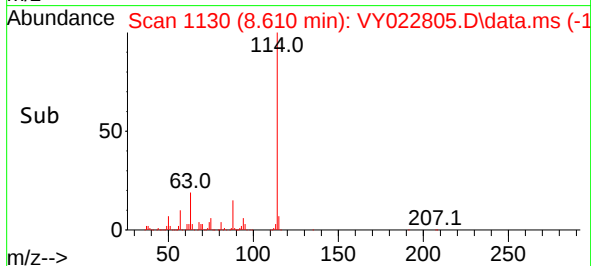
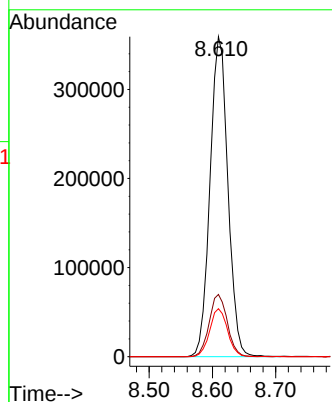
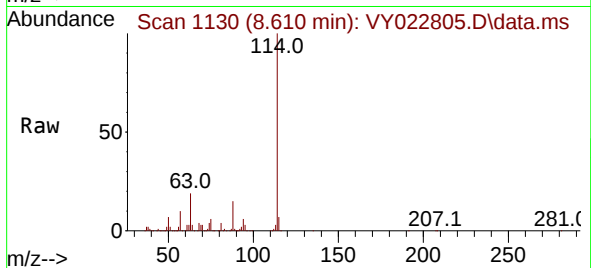
Tgt Ion:114 Resp: 705268

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

88 15.0 0.0 27.8



#35

Dibromofluoromethane

Concen: 49.227 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022805.D

Acq: 24 Jun 2025 18:13

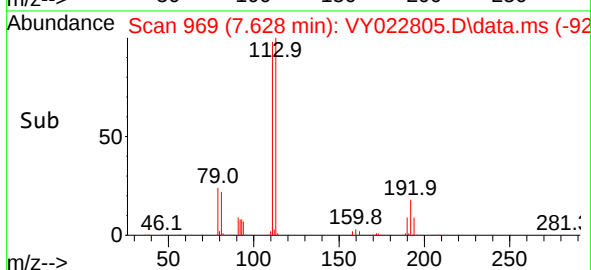
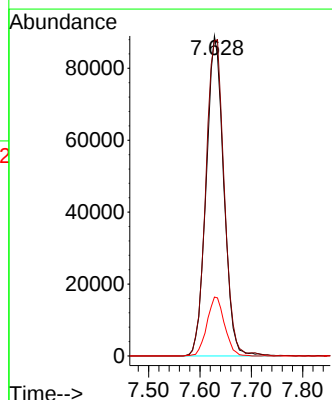
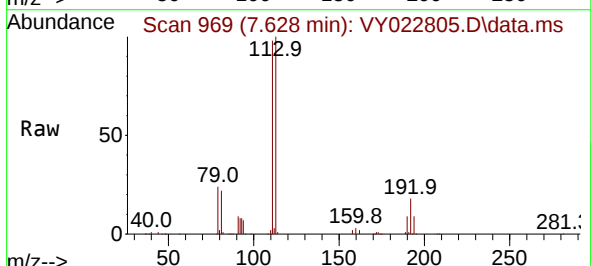
Tgt Ion:113 Resp: 211139

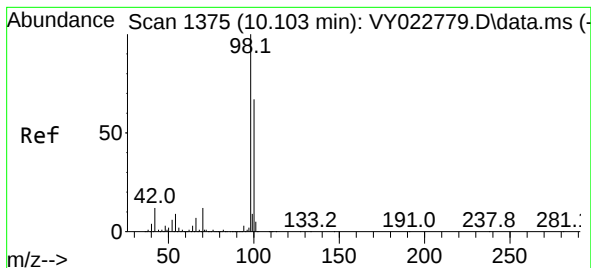
Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

192 18.5 14.2 21.2





#50

Toluene-d8

Concen: 49.413 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022805.D

Acq: 24 Jun 2025 18:13

Instrument :

MSVOA_Y

ClientSampleId :

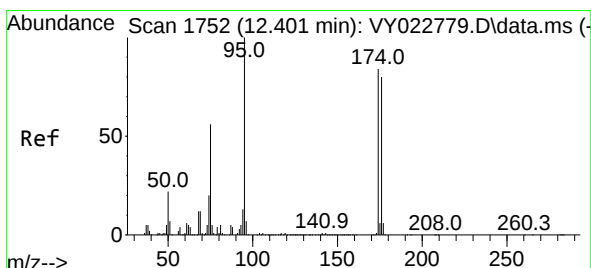
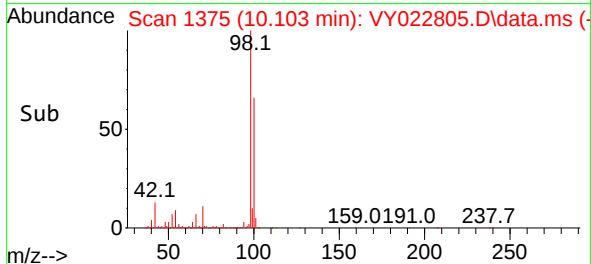
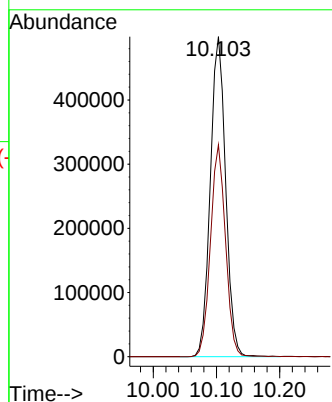
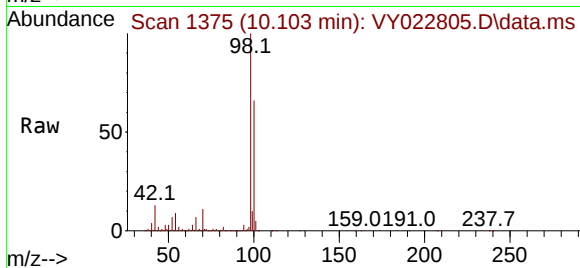
ARS 20-006

Tgt Ion: 98 Resp: 841002

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 50.866 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022805.D

Acq: 24 Jun 2025 18:13

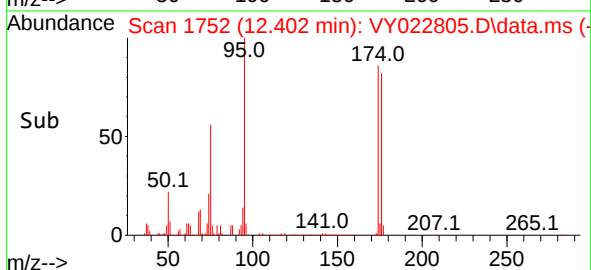
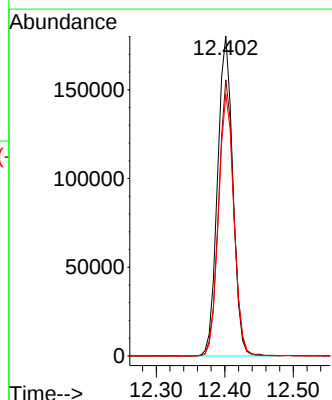
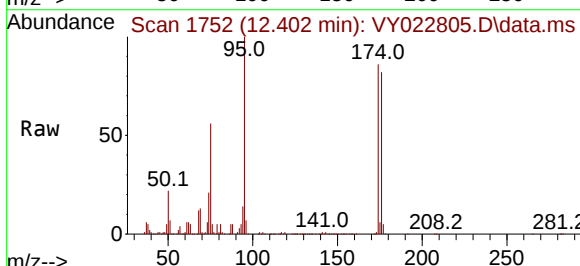
Tgt Ion: 95 Resp: 278304

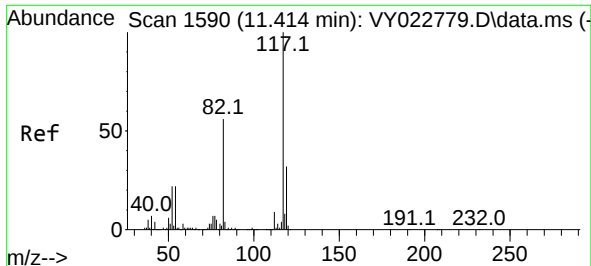
Ion Ratio Lower Upper

95 100

174 85.4 0.0 170.0

176 81.9 0.0 166.2

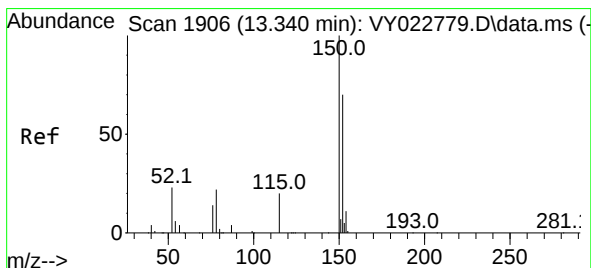
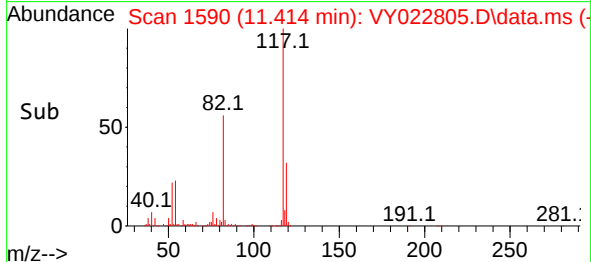
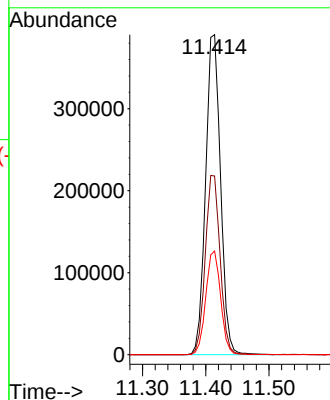
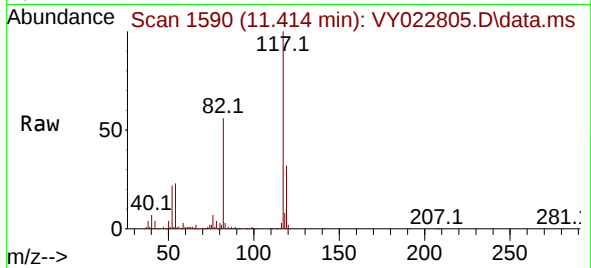




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022805.D
Acq: 24 Jun 2025 18:13

Instrument :
MSVOA_Y
ClientSampleId :
ARS 20-006

Tgt Ion:117 Resp: 642123
Ion Ratio Lower Upper
117 100
82 55.9 44.6 66.8
119 32.4 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: VY022805.D
Acq: 24 Jun 2025 18:13

Tgt Ion:152 Resp: 280809
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 157.0 0.0 349.6

