

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022796.D
 Acq On : 24 Jun 2025 14:42
 Operator : SY/MD
 Sample : Q2393-04
 Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PARK AVE -2

Quant Time: Jun 25 01:26:32 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	303546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	553566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	552957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	278890	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	189174	55.838	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.680%
35) Dibromofluoromethane	7.628	113	175070	52.003	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.000%
50) Toluene-d8	10.103	98	667750	49.986	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.980%
62) 4-Bromofluorobenzene	12.401	95	262300	61.079	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	122.160%

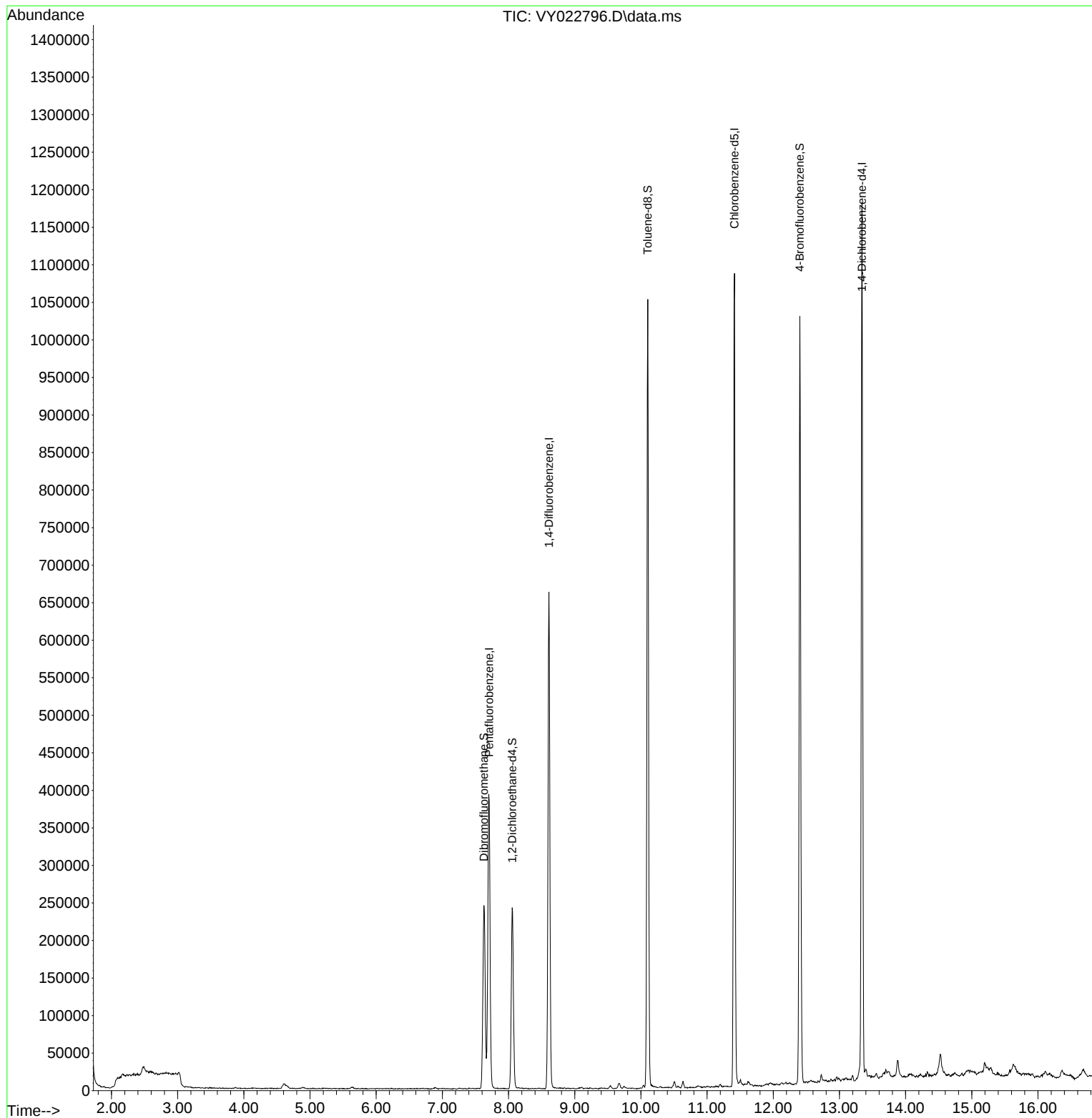
Target Compounds	Qvalue

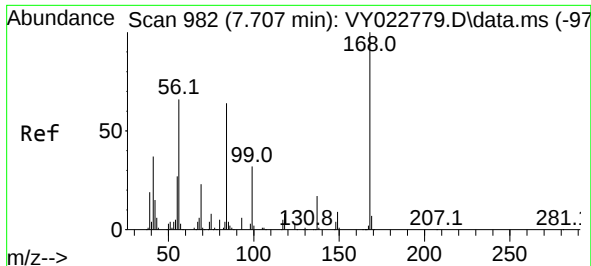
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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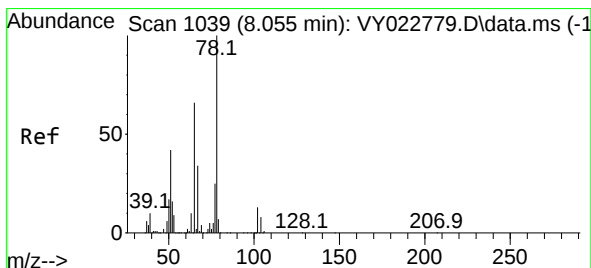
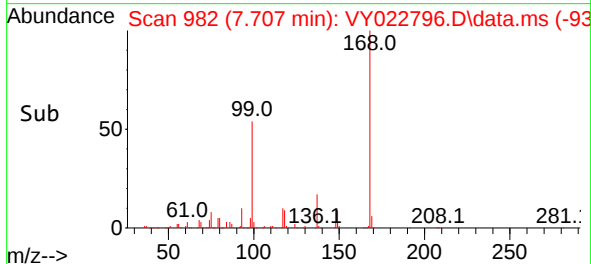
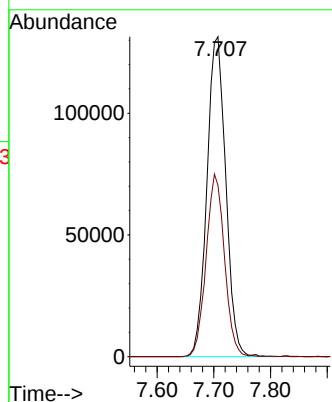
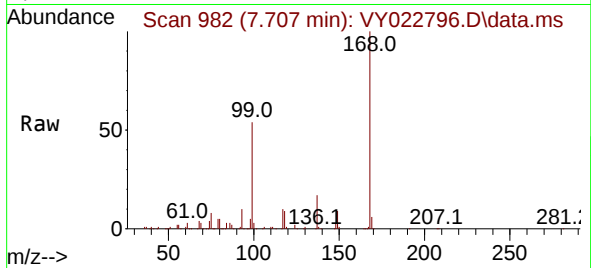




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

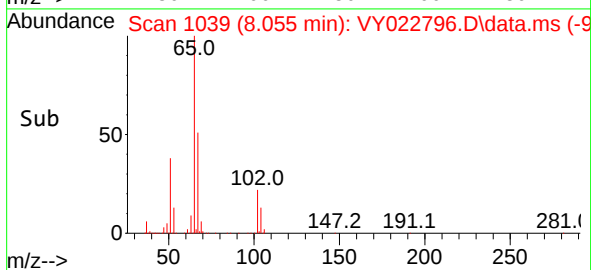
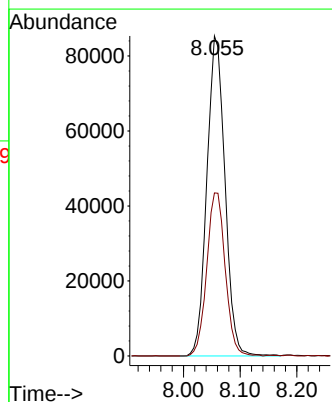
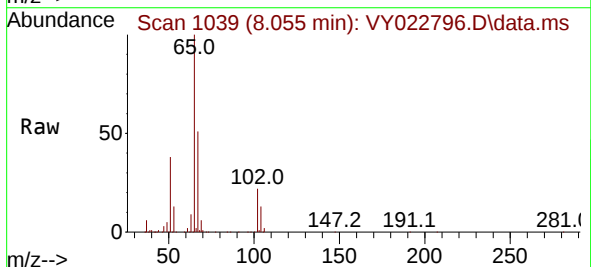
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Tgt Ion:168 Resp: 303546
Ion Ratio Lower Upper
168 100
99 53.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 55.838 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Tgt Ion: 65 Resp: 189174
Ion Ratio Lower Upper
65 100
67 52.0 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: VY022796.D

Acq: 24 Jun 2025 14:42

Instrument :

MSVOA_Y

ClientSampleId :

PARK AVE -2

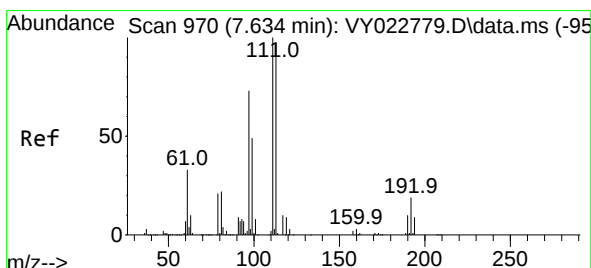
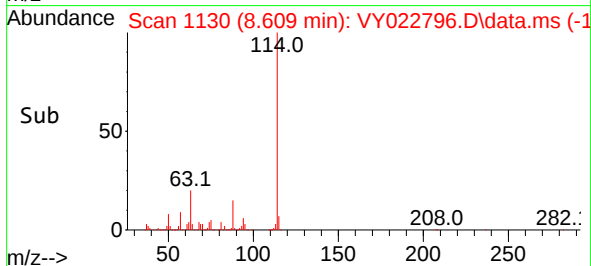
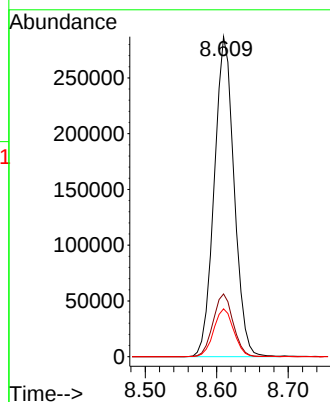
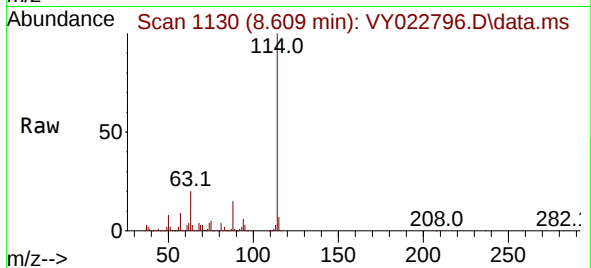
Tgt Ion:114 Resp: 553566

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 14.9 0.0 27.8



#35

Dibromofluoromethane

Concen: 52.003 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022796.D

Acq: 24 Jun 2025 14:42

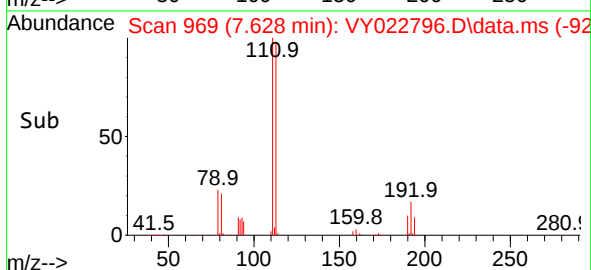
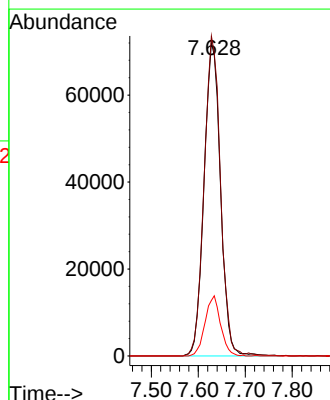
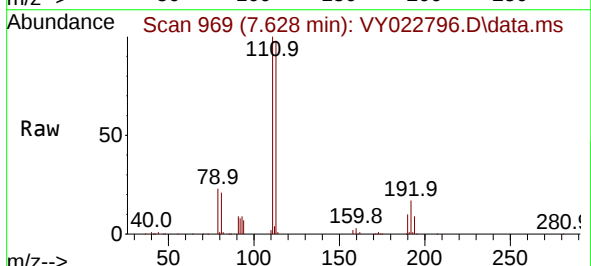
Tgt Ion:113 Resp: 175070

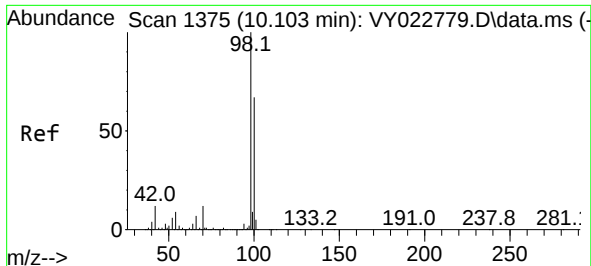
Ion Ratio Lower Upper

113 100

111 101.2 81.1 121.7

192 18.1 14.2 21.2

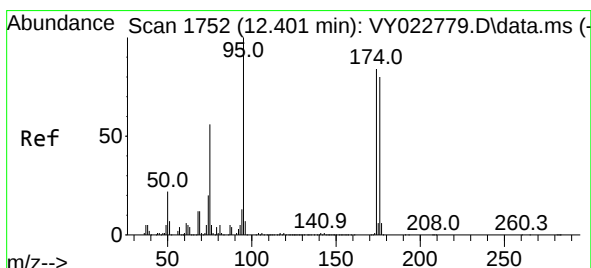
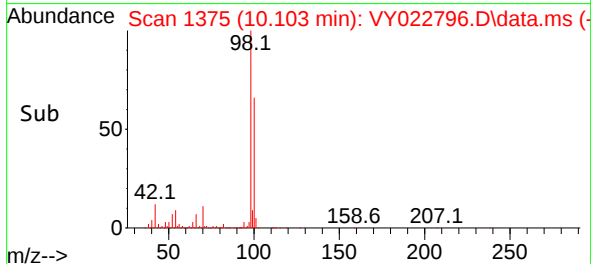
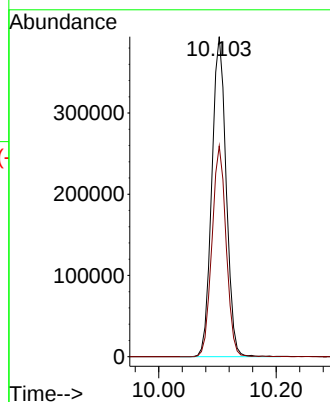
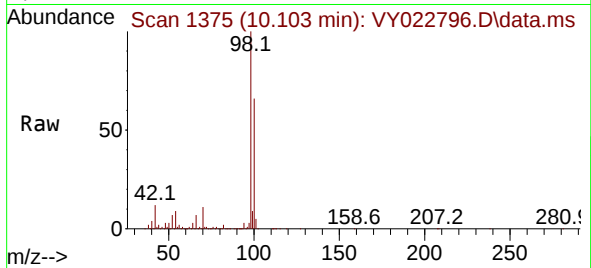




#50
Toluene-d8
Concen: 49.986 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

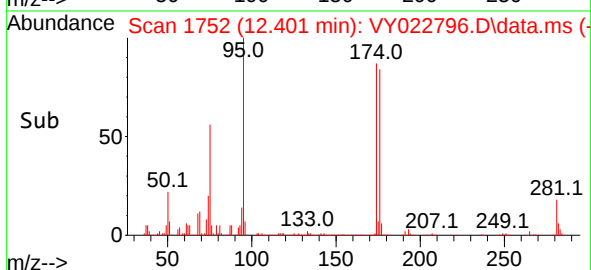
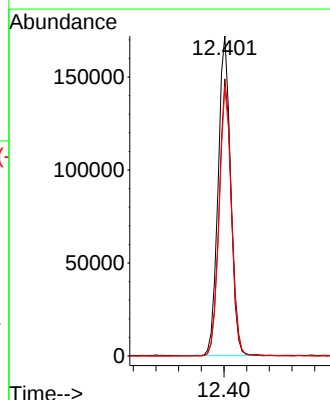
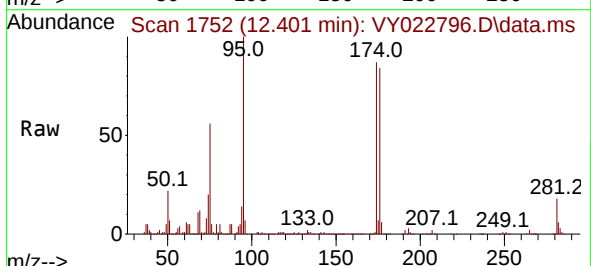
Instrument :
MSVOA_Y
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PARK AVE -2

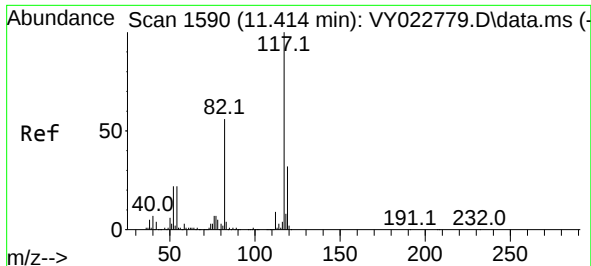
Tgt Ion: 98 Resp: 667750
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 61.079 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Tgt Ion: 95 Resp: 262300
Ion Ratio Lower Upper
95 100
174 86.3 0.0 170.0
176 82.5 0.0 166.2

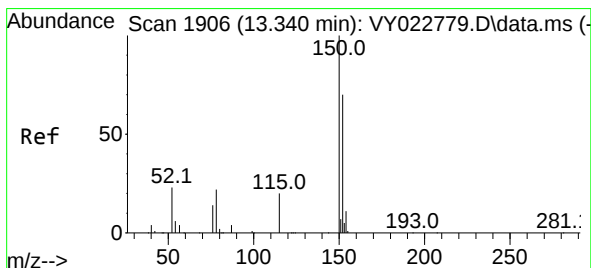
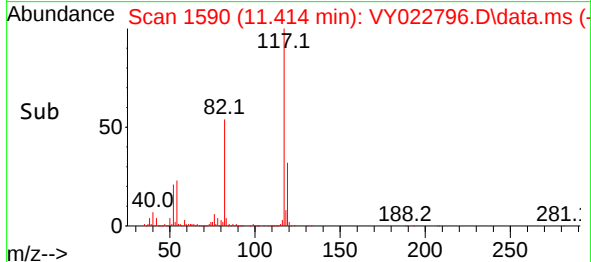
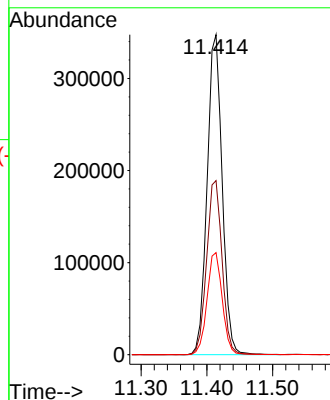
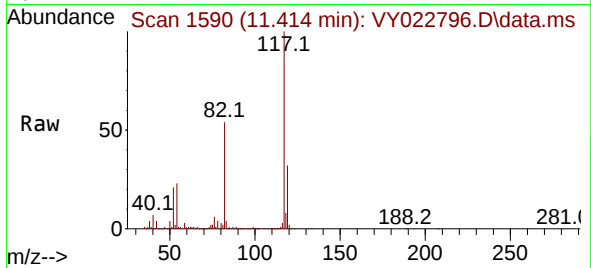




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Tgt Ion:117 Resp: 552957
Ion Ratio Lower Upper
117 100
82 54.4 44.6 66.8
119 31.9 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: VY022796.D
Acq: 24 Jun 2025 14:42

Tgt Ion:152 Resp: 278890
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.7
150 156.6 0.0 349.6

