

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022966.D
 Acq On : 07 Jul 2025 17:32
 Operator : SY/MD
 Sample : Q2480-01
 Misc : 8.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX1

Quant Time: Jul 08 01:50:46 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)

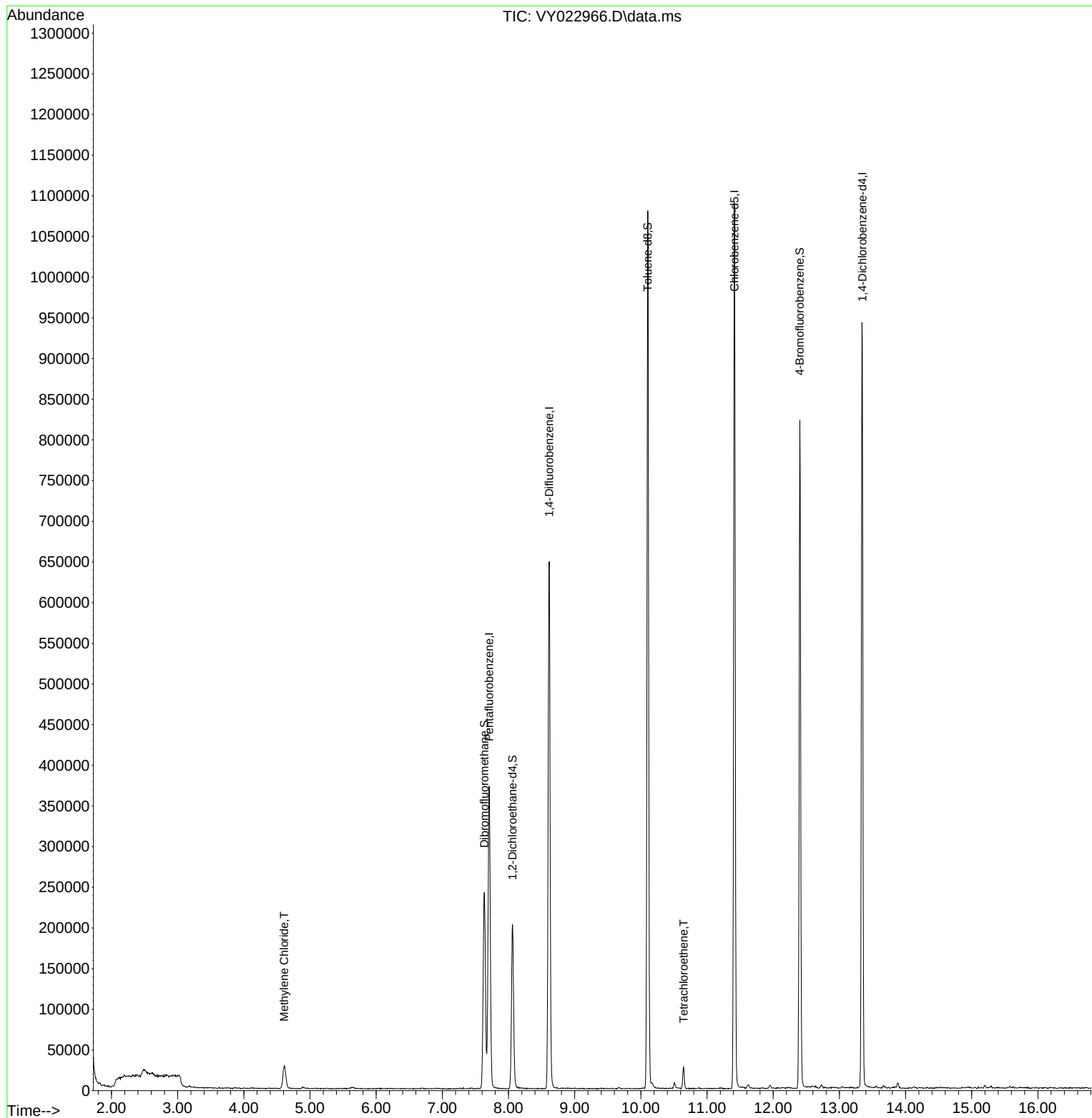
Internal Standards						
1) Pentafluorobenzene	7.707	168	283156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	548345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	230891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161054	50.961	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.920%	
35) Dibromofluoromethane	7.634	113	173156	51.924	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.840%	
50) Toluene-d8	10.103	98	691713	52.272	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.540%	
62) 4-Bromofluorobenzene	12.401	95	236638	55.628	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.260%	
Target Compounds						
						Qvalue
20) Methylene Chloride	4.610	84	20787	5.511	ug/l	99
64) Tetrachloroethene	10.646	164	5353	1.024	ug/l	94

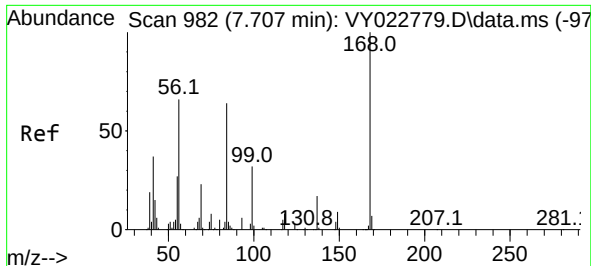
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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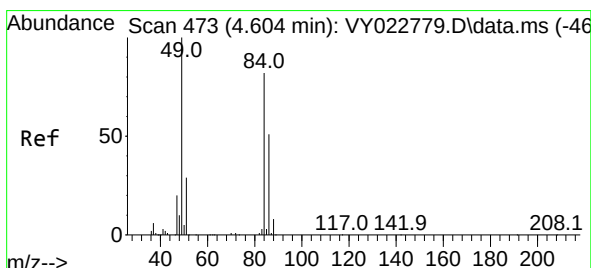
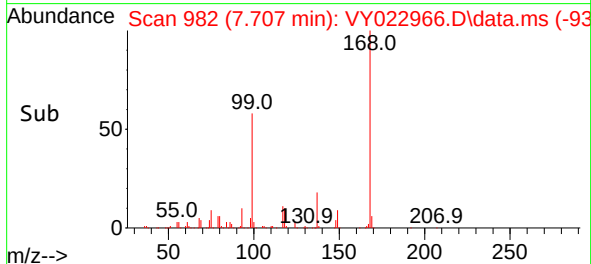
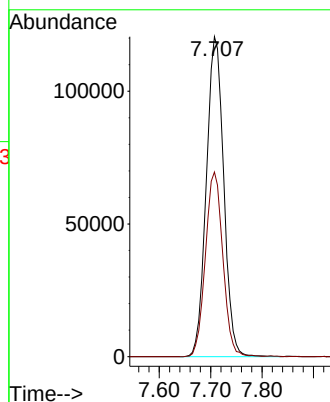
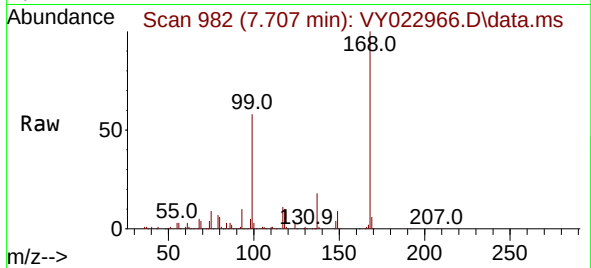




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

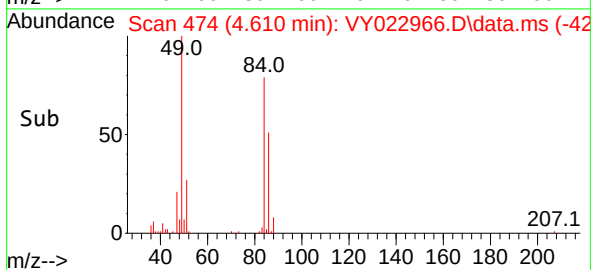
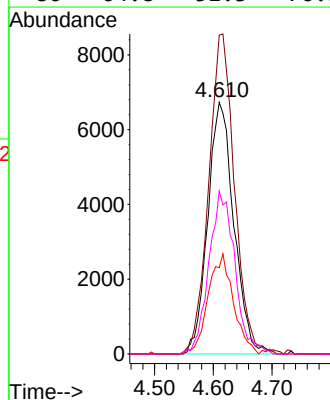
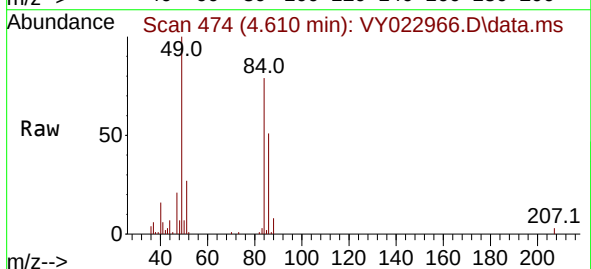
Instrument :
MSVOA_Y
ClientSampleId :
GPX1

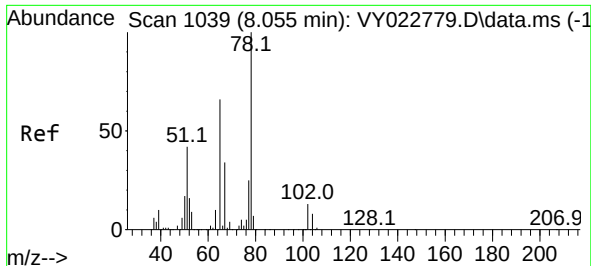
Tgt Ion:168 Resp: 283156
Ion Ratio Lower Upper
168 100
99 57.7 44.3 66.5



#20
Methylene Chloride
Concen: 5.511 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Tgt Ion: 84 Resp: 20787
Ion Ratio Lower Upper
84 100
49 126.7 101.9 152.9
51 34.3 29.8 44.8
86 64.8 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 50.961 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022966.D

Acq: 07 Jul 2025 17:32

Instrument :

MSVOA_Y

ClientSampleId :

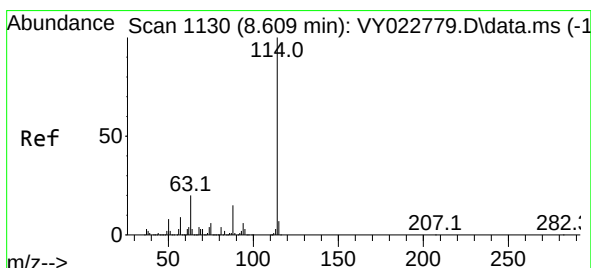
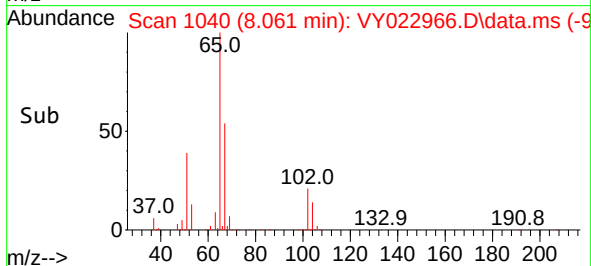
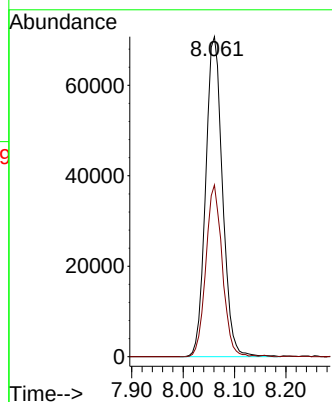
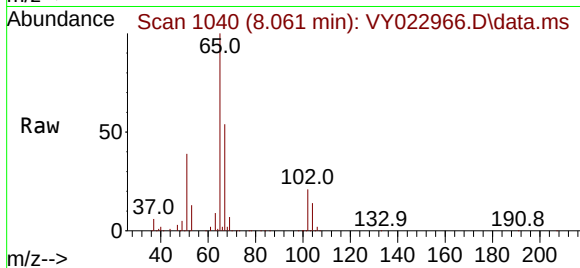
GPX1

Tgt Ion: 65 Resp: 161054

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022966.D

Acq: 07 Jul 2025 17:32

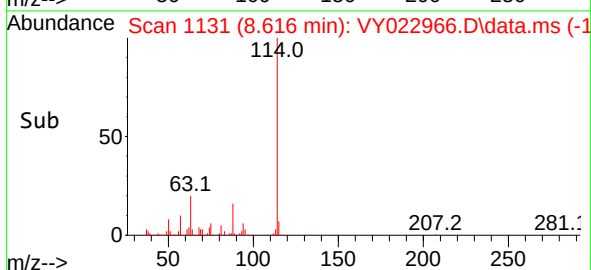
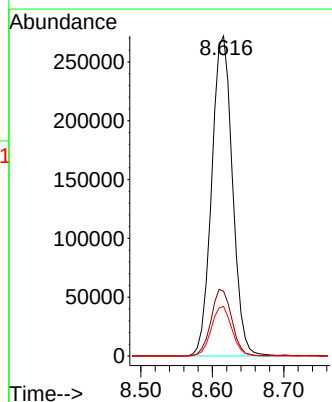
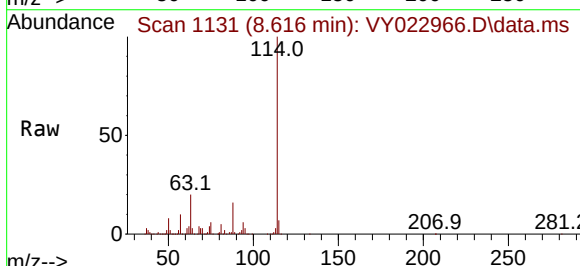
Tgt Ion:114 Resp: 548345

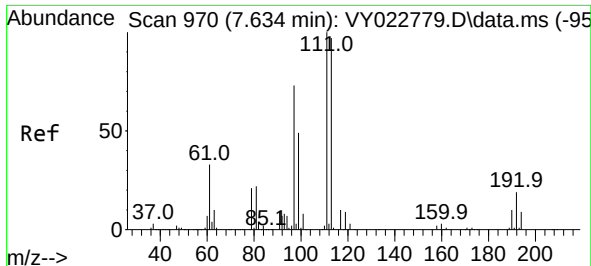
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.5 0.0 27.8

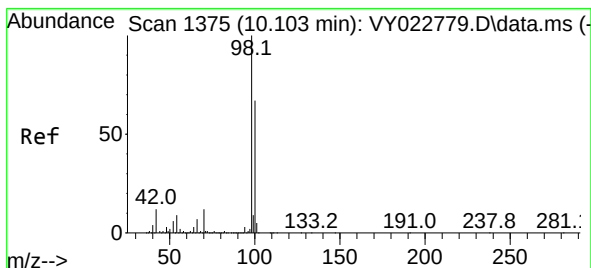
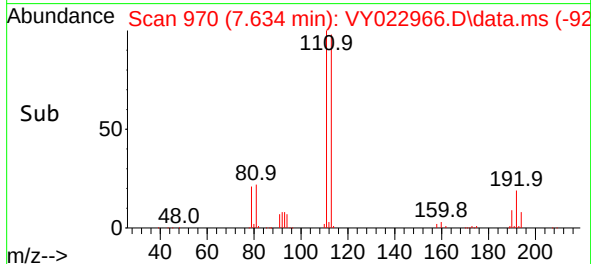
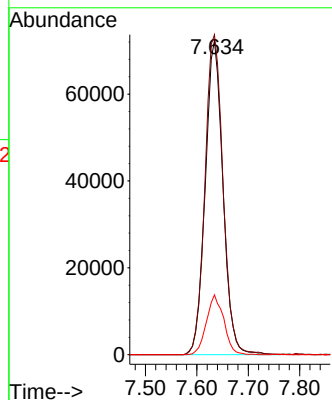
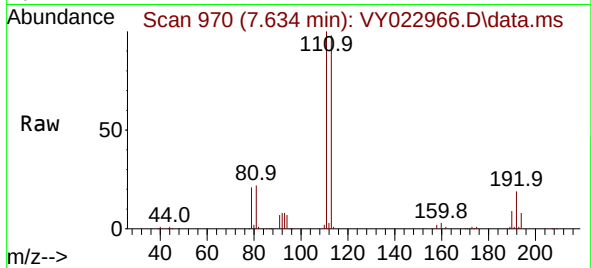




#35
Dibromofluoromethane
Concen: 51.924 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

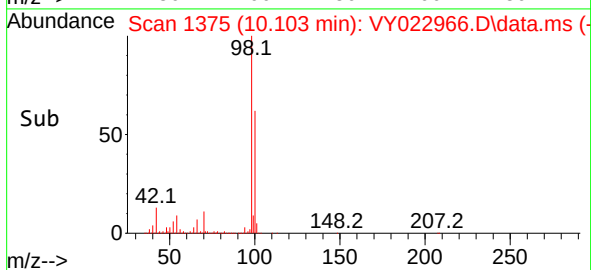
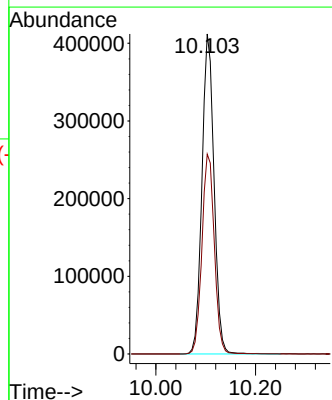
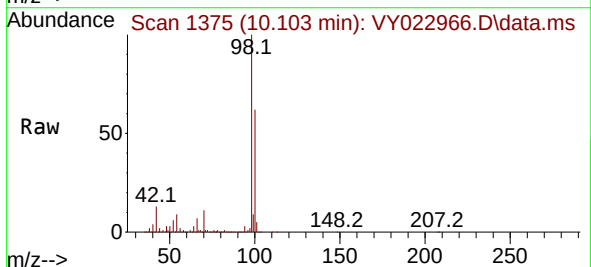
Instrument :
MSVOA_Y
ClientSampleId :
GPX1

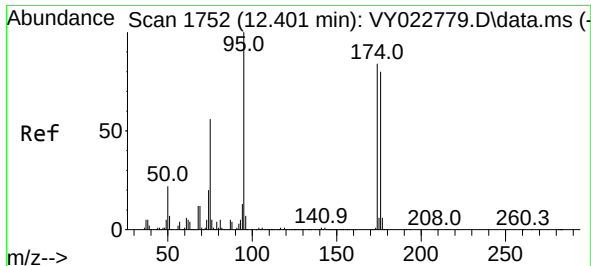
Tgt Ion:113 Resp: 173156
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 18.7 14.2 21.2



#50
Toluene-d8
Concen: 52.272 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Tgt Ion: 98 Resp: 691713
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0

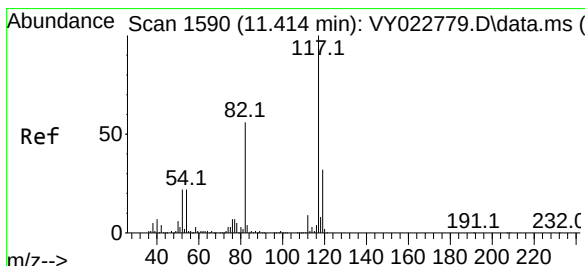
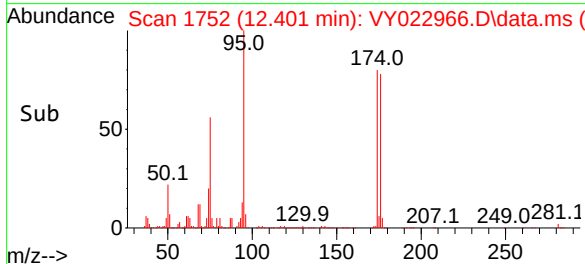
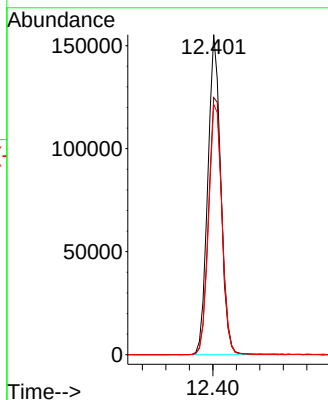
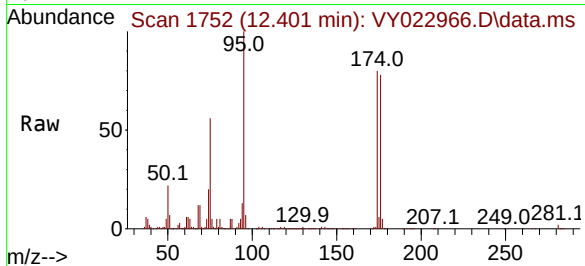




#62
4-Bromofluorobenzene
Concen: 55.628 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

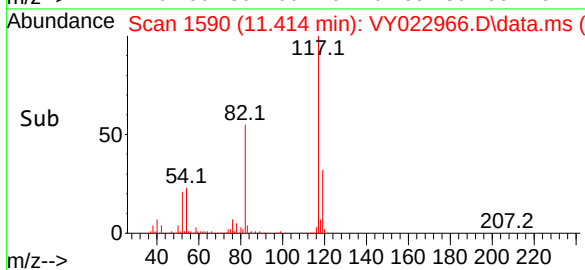
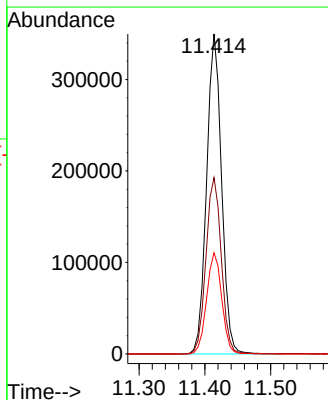
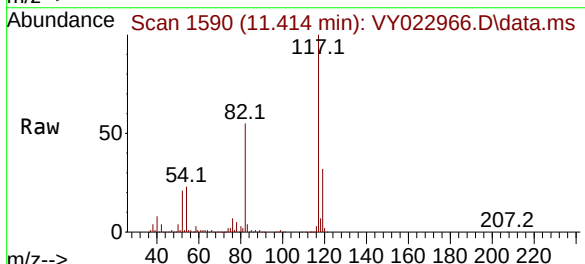
Instrument :
MSVOA_Y
ClientSampleId :
GPX1

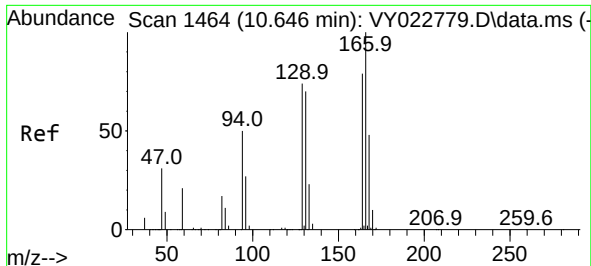
Tgt Ion: 95 Resp: 236638
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 80.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Tgt Ion: 117 Resp: 553452
Ion Ratio Lower Upper
117 100
82 55.1 44.6 66.8
119 31.6 25.4 38.0

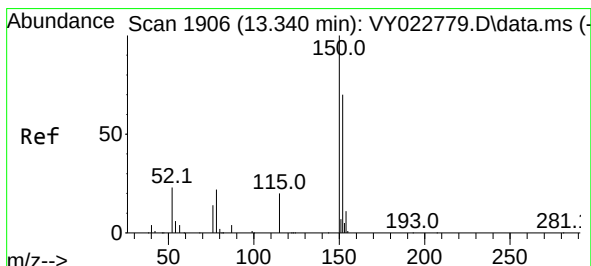
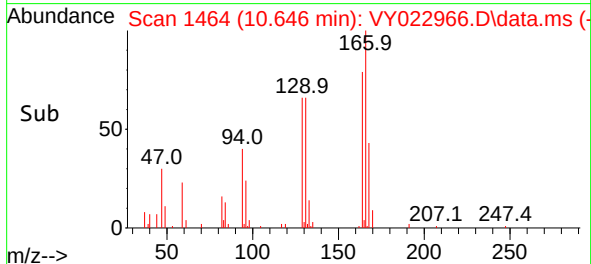
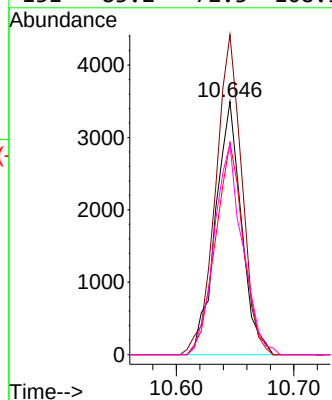
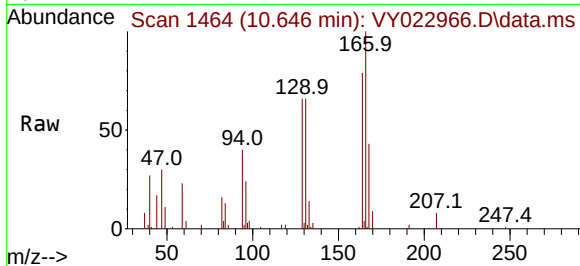




#64
Tetrachloroethene
Concen: 1.024 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Instrument :
MSVOA_Y
ClientSampleId :
GPX1

Tgt Ion:164	Resp:	5353
Ion	Ratio	Lower Upper
164	100	
166	126.4	104.0 156.0
129	83.8	74.5 111.7
131	83.2	72.3 108.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Tgt Ion:152	Resp:	230891
Ion	Ratio	Lower Upper
152	100	
115	57.9	28.9 86.7
150	154.6	0.0 349.6

