

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022984.D
 Acq On : 08 Jul 2025 18:34
 Operator : SY/MD
 Sample : Q2480-03
 Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX3

Quant Time: Jul 09 02:35:54 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)

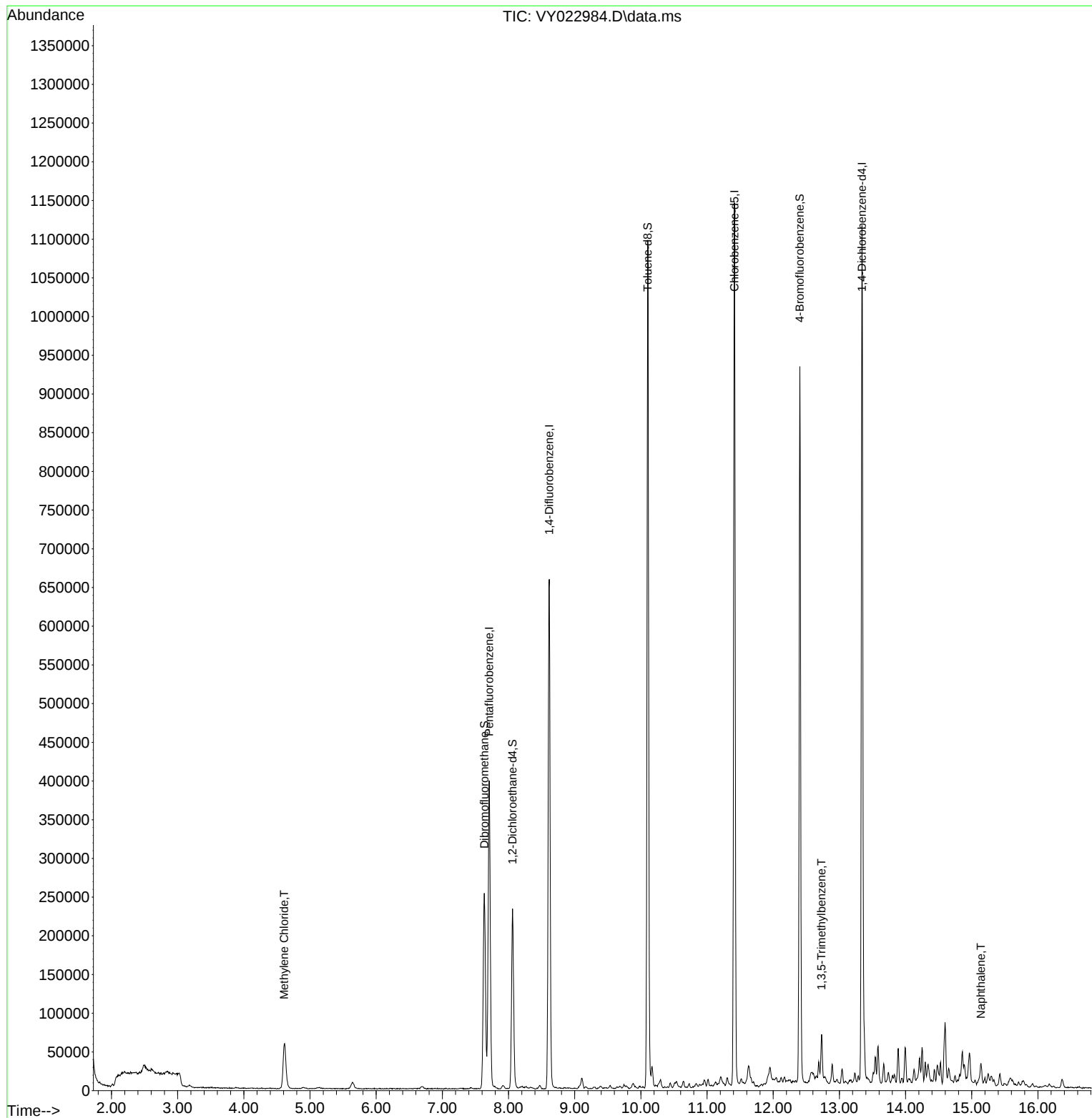
Internal Standards						
1) Pentafluorobenzene	7.707	168	292899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	566452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	267602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	176246	53.914	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 107.820%		
35) Dibromofluoromethane	7.634	113	176908	52.553	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 105.100%		
50) Toluene-d8	10.103	98	685048	51.285	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 102.560%		
62) 4-Bromofluorobenzene	12.402	95	255010	59.386	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 118.780%		
Target Compounds						
						Qvalue
20) Methylene Chloride	4.610	84	43485	11.144	ug/l	# 90
80) 1,3,5-Trimethylbenzene	12.731	105	19925	1.247	ug/l	100
95) Naphthalene	15.139	128	20142	2.485	ug/l	96

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

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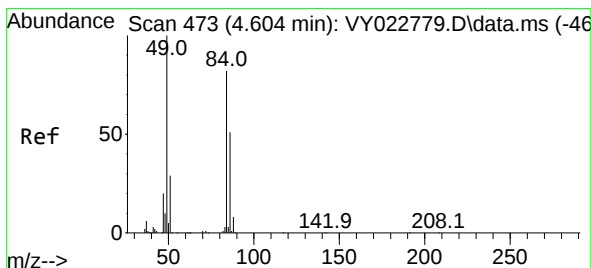
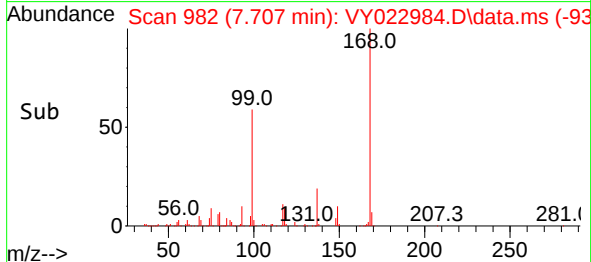
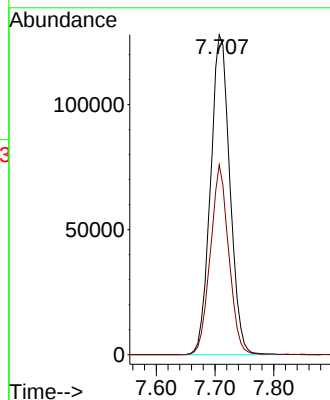
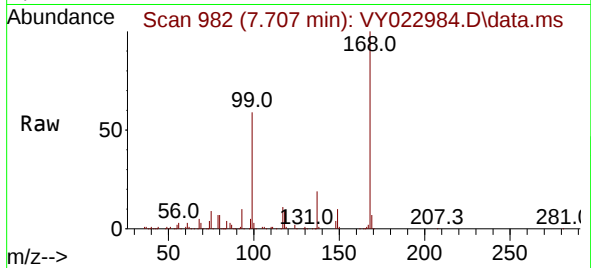




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

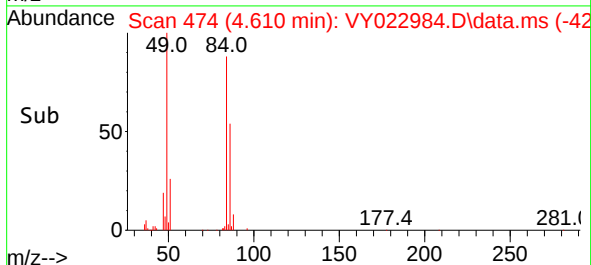
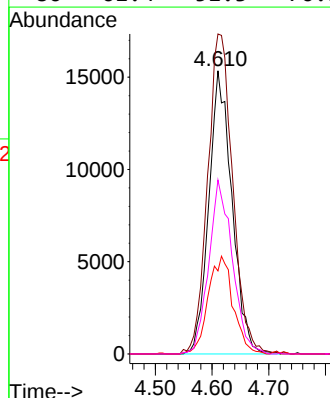
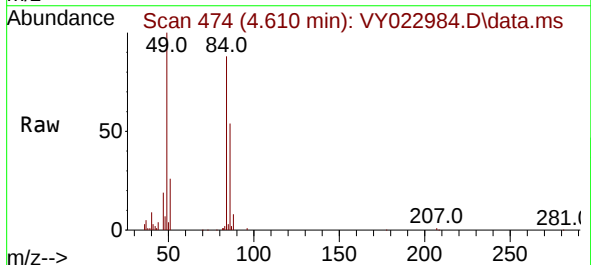
Instrument :
MSVOA_Y
ClientSampleId :
GPX3

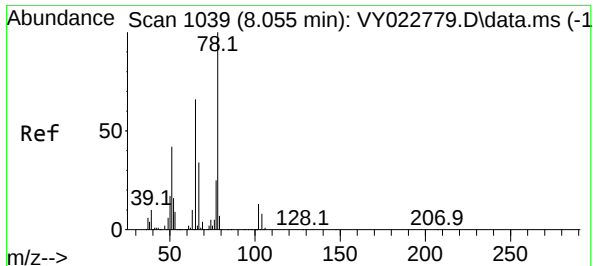
Tgt Ion:168 Resp: 292899
Ion Ratio Lower Upper
168 100
99 59.3 44.3 66.5



#20
Methylene Chloride
Concen: 11.144 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Tgt Ion: 84 Resp: 43485
Ion Ratio Lower Upper
84 100
49 113.0 101.9 152.9
51 29.3 29.8 44.8#
86 61.4 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 53.914 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022984.D

Acq: 08 Jul 2025 18:34

Instrument :

MSVOA_Y

ClientSampleId :

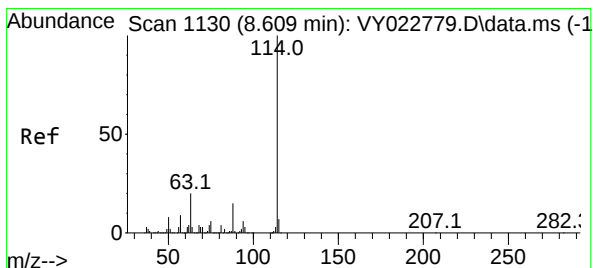
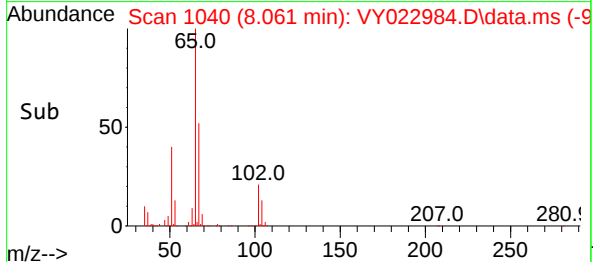
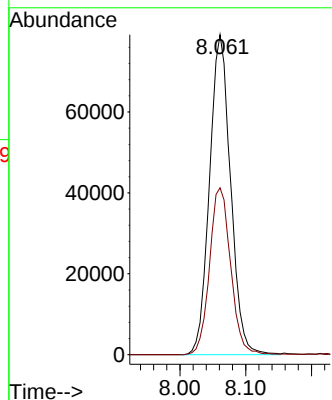
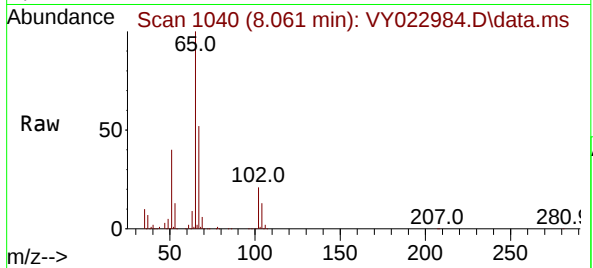
GPX3

Tgt Ion: 65 Resp: 176246

Ion Ratio Lower Upper

65 100

67 52.4 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: VY022984.D

Acq: 08 Jul 2025 18:34

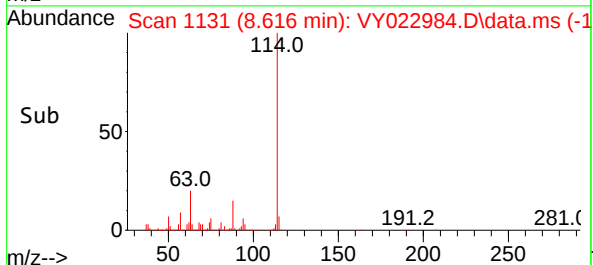
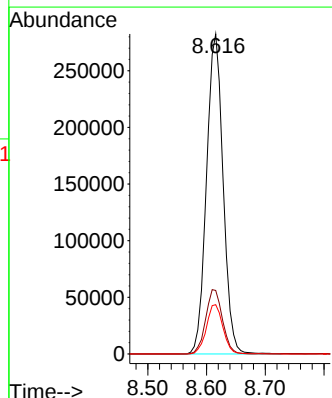
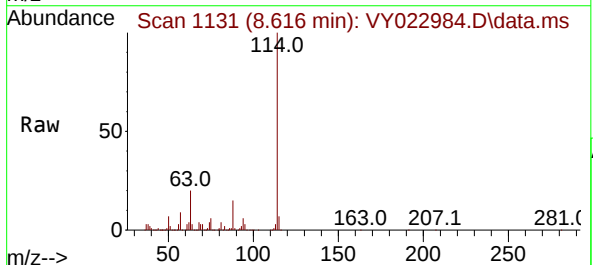
Tgt Ion:114 Resp: 553522

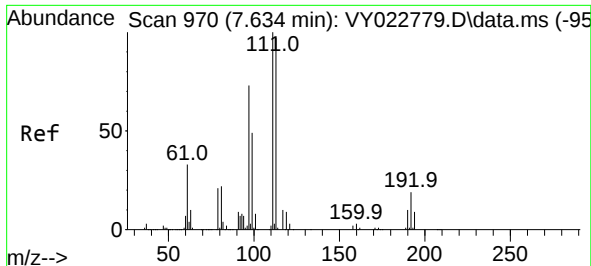
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.4 0.0 27.8

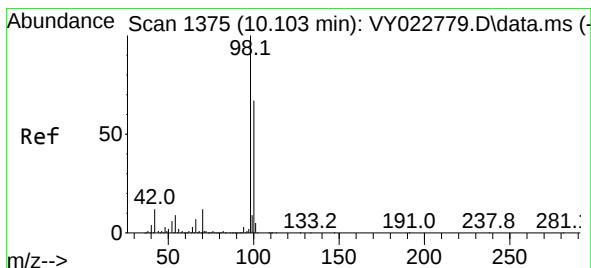
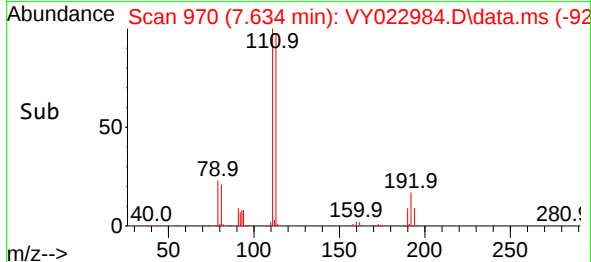
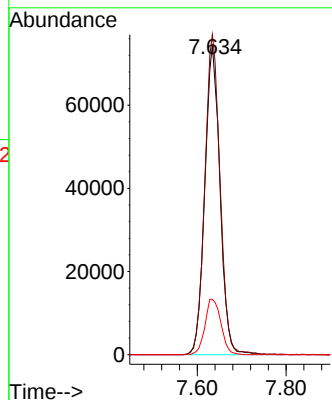
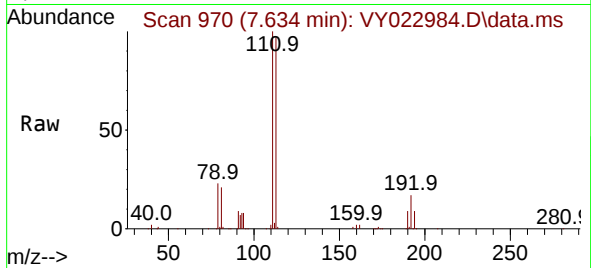




#35
Dibromofluoromethane
Concen: 52.553 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

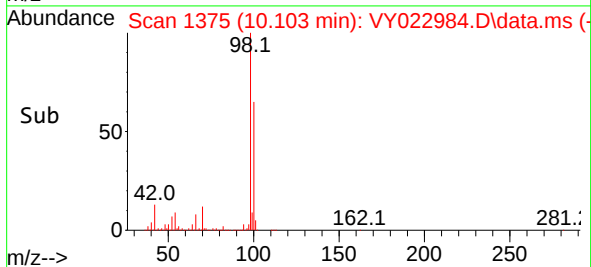
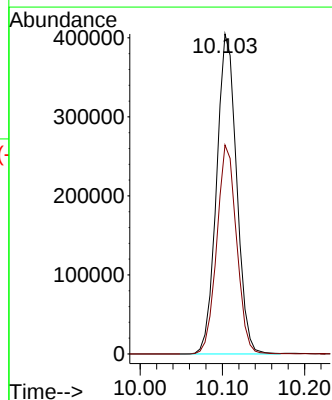
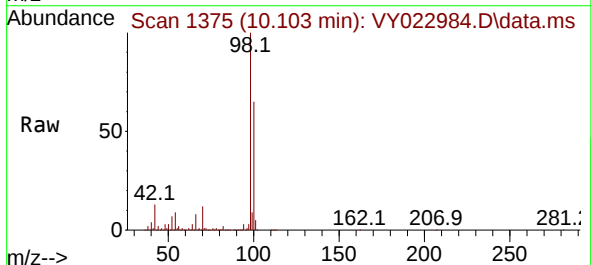
Instrument :
MSVOA_Y
ClientSampleId :
GPX3

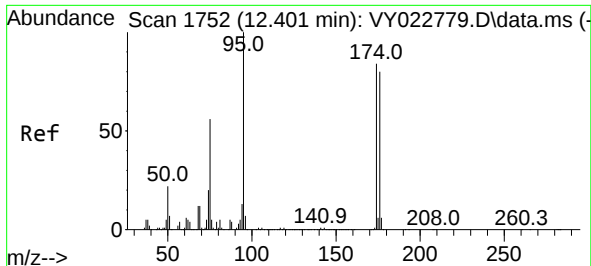
Tgt Ion:113 Resp: 176908
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 19.0 14.2 21.2



#50
Toluene-d8
Concen: 51.285 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Tgt Ion: 98 Resp: 685048
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0

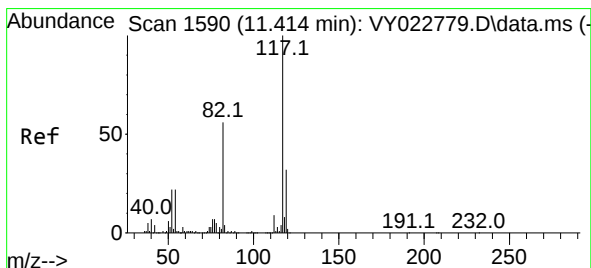
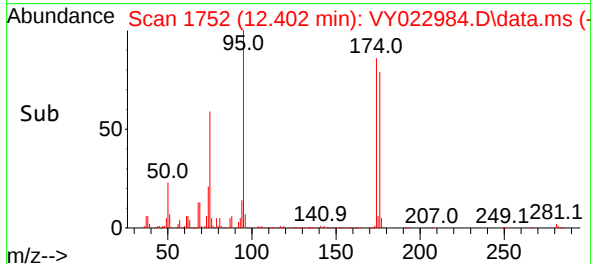
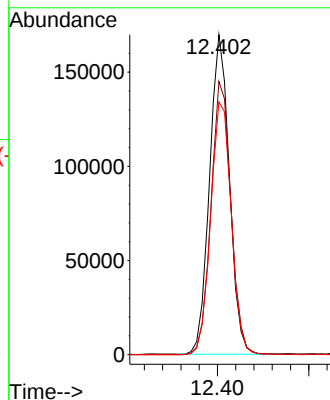
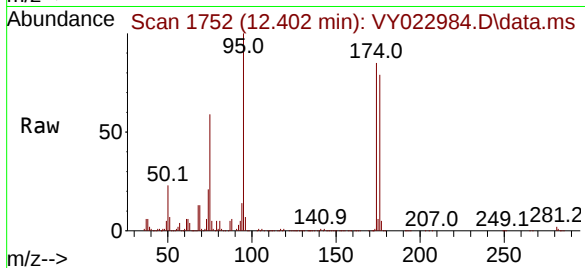




#62
4-Bromofluorobenzene
Concen: 59.386 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

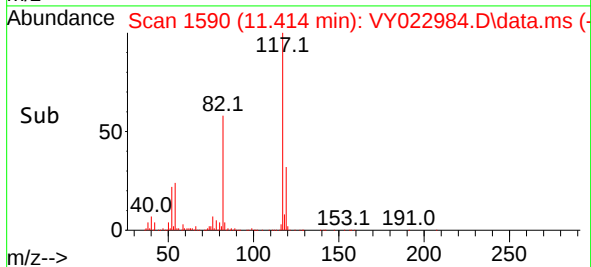
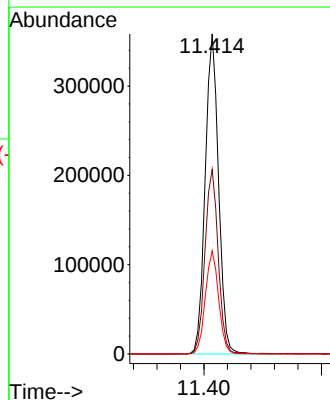
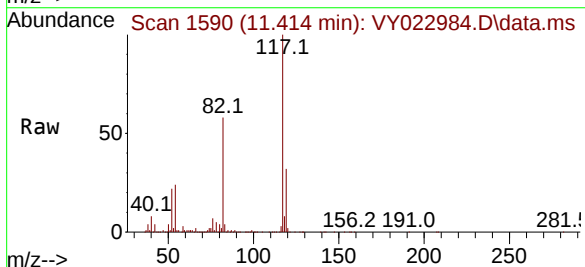
Instrument :
MSVOA_Y
ClientSampleId :
GPX3

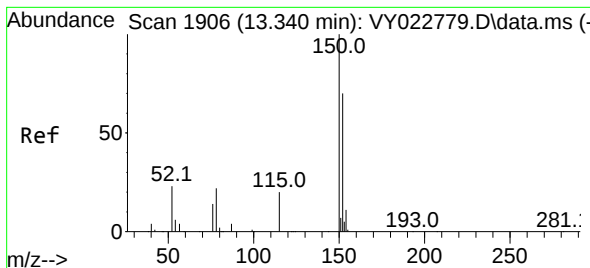
Tgt Ion: 95 Resp: 255010
Ion Ratio Lower Upper
95 100
174 86.3 0.0 170.0
176 82.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Tgt Ion: 117 Resp: 566452
Ion Ratio Lower Upper
117 100
82 57.6 44.6 66.8
119 32.3 25.4 38.0

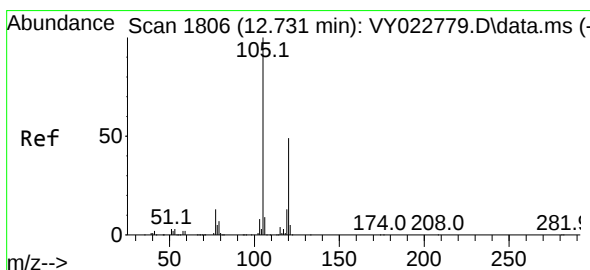
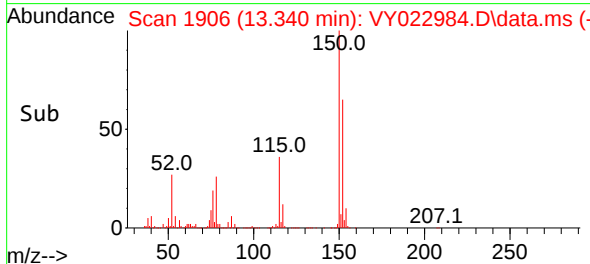
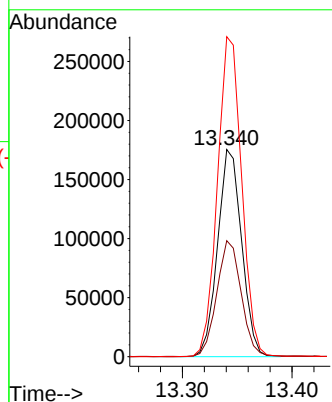
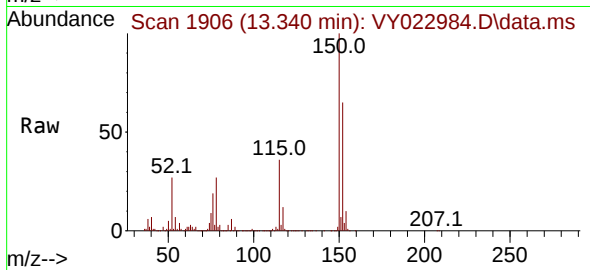




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022984.D
 Acq: 08 Jul 2025 18:34

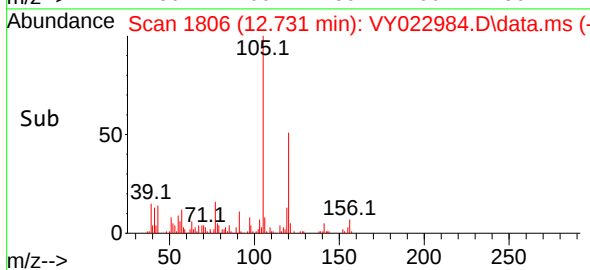
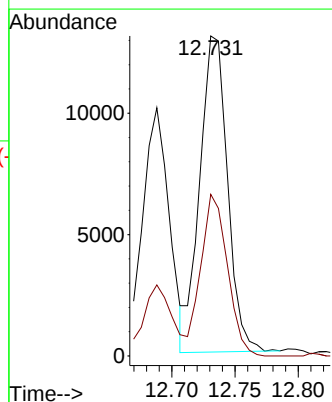
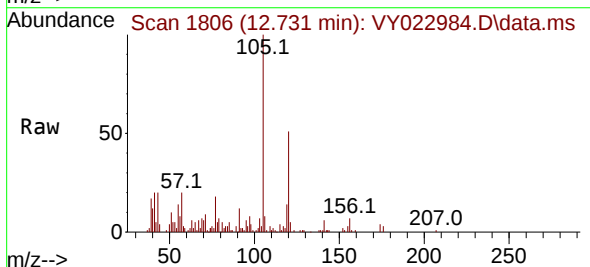
Instrument :
 MSVOA_Y
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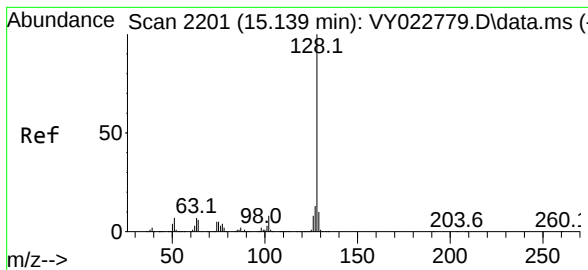
Tgt Ion:152 Resp: 267602
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.9 86.7
 150 155.8 0.0 349.6



#80
 1,3,5-Trimethylbenzene
 Concen: 1.247 ug/l
 RT: 12.731 min Scan# 1806
 Delta R.T. -0.006 min
 Lab File: VY022984.D
 Acq: 08 Jul 2025 18:34

Tgt Ion:105 Resp: 19925
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.4





#95
 Naphthalene
 Concen: 2.485 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY022984.D
 Acq: 08 Jul 2025 18:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX3

Tgt Ion:	128	Resp:	20142
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.4	15.6
129	12.7	8.9	13.3

