

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022963.D
 Acq On : 07 Jul 2025 16:22
 Operator : SY/MD
 Sample : Q2484-06
 Misc : 6.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-104

Quant Time: Jul 08 01:49:37 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)

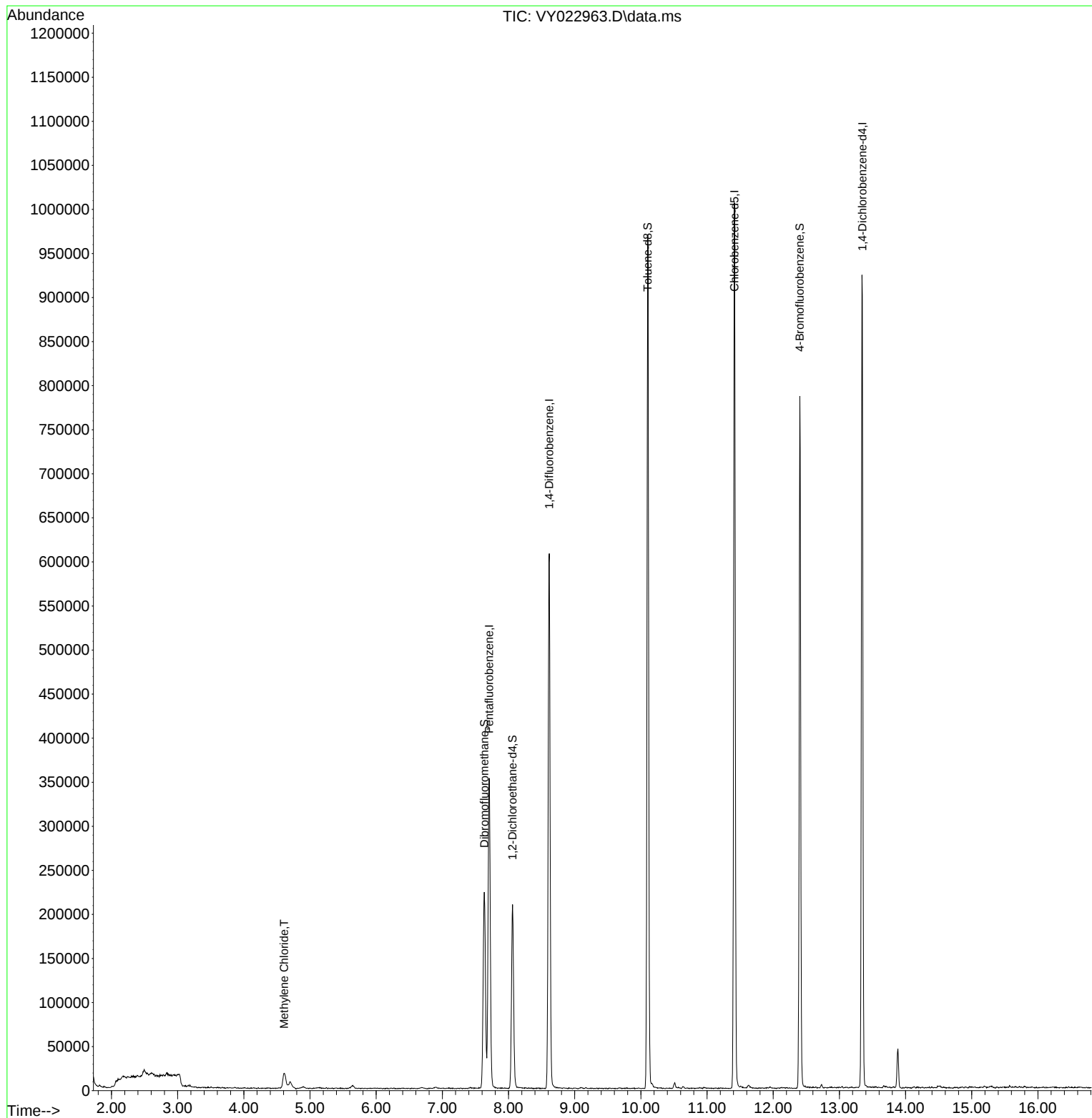
Internal Standards						
1) Pentafluorobenzene	7.707	168	266886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	509158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	510222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	229337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164960	55.380	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.760%	
35) Dibromofluoromethane	7.634	113	161540	52.169	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.340%	
50) Toluene-d8	10.103	98	623770	50.766	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.540%	
62) 4-Bromofluorobenzene	12.402	95	225108	56.990	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.980%	
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	13278	3.735	ug/l	92

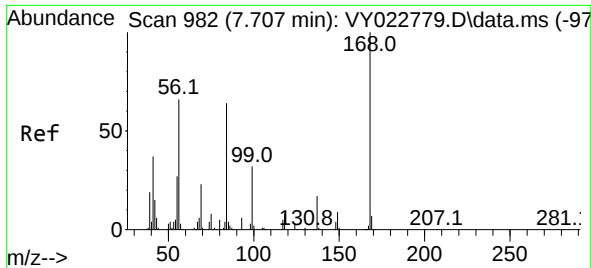
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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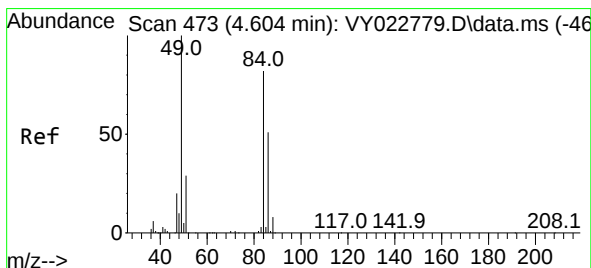
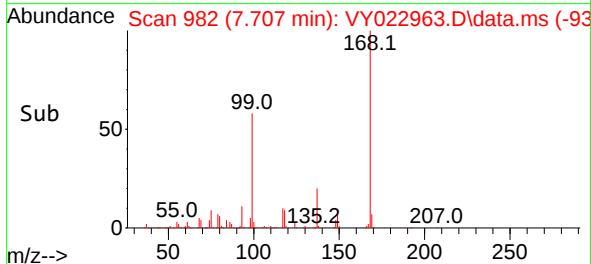
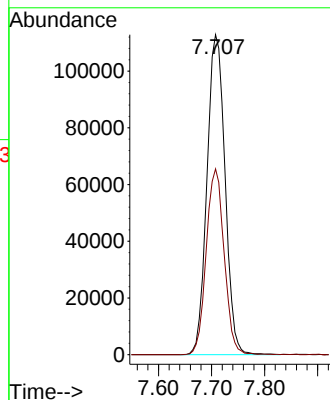
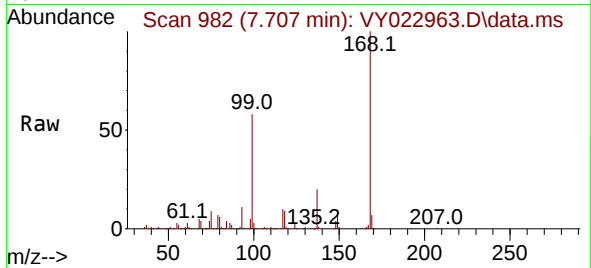




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022963.D
Acq: 07 Jul 2025 16:22

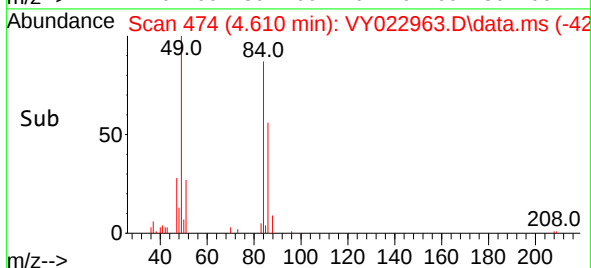
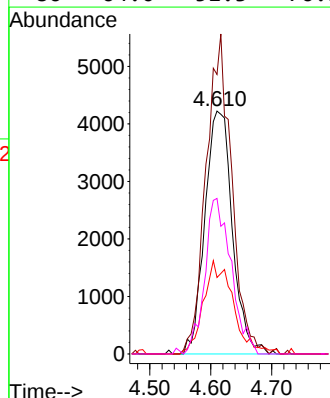
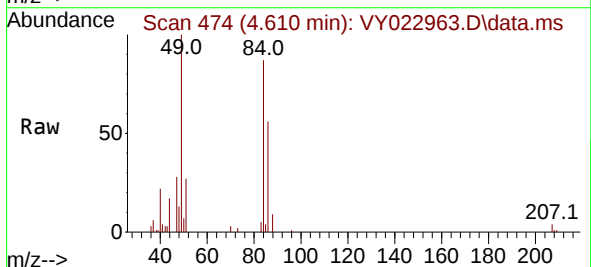
Instrument :
MSVOA_Y
ClientSampleId :
TP-104

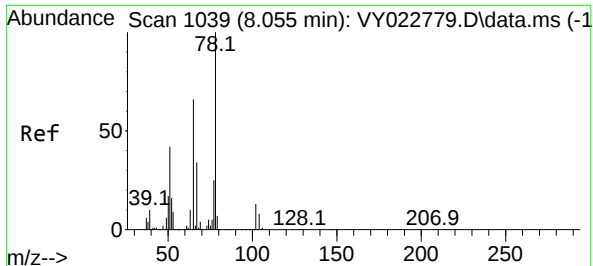
Tgt Ion:168 Resp: 266886
Ion Ratio Lower Upper
168 100
99 58.1 44.3 66.5



#20
Methylene Chloride
Concen: 3.735 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022963.D
Acq: 07 Jul 2025 16:22

Tgt Ion: 84 Resp: 13278
Ion Ratio Lower Upper
84 100
49 115.1 101.9 152.9
51 31.5 29.8 44.8
86 64.0 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 55.380 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY022963.D

Acq: 07 Jul 2025 16:22

Instrument :

MSVOA_Y

ClientSampleId :

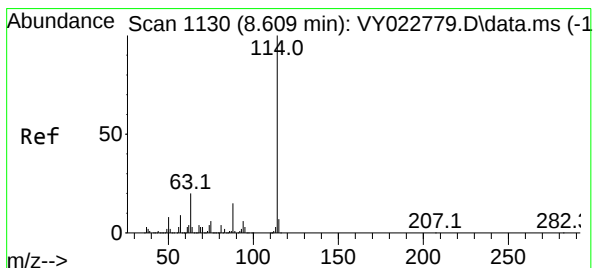
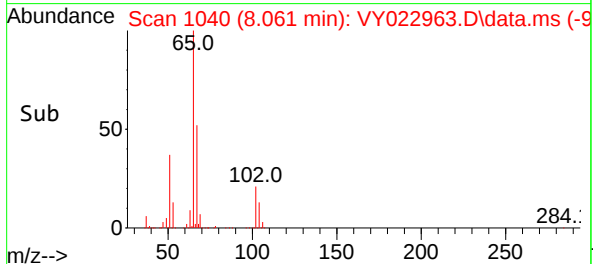
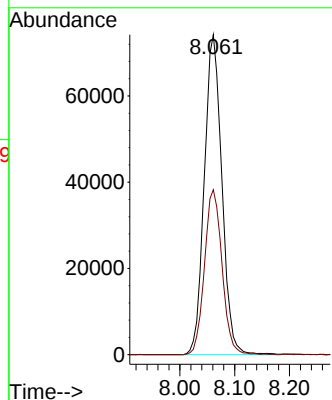
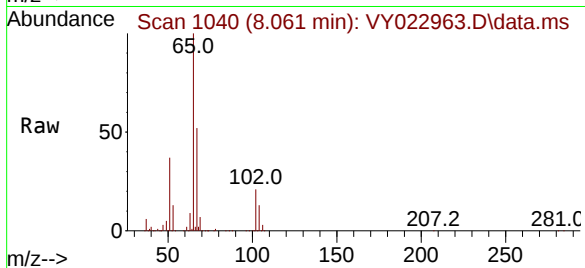
TP-104

Tgt Ion: 65 Resp: 164960

Ion Ratio Lower Upper

65 100

67 51.5 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: VY022963.D

Acq: 07 Jul 2025 16:22

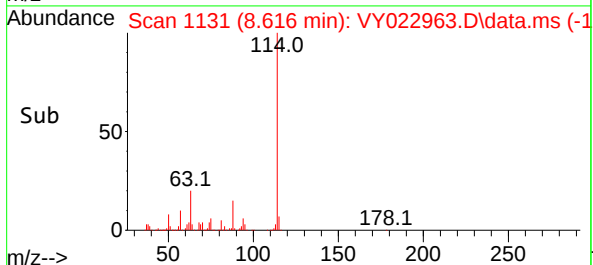
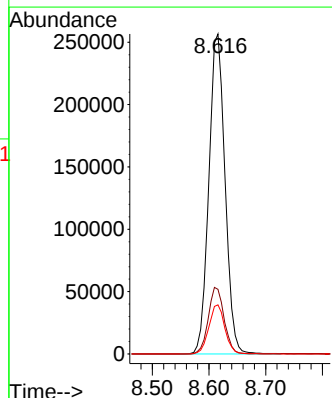
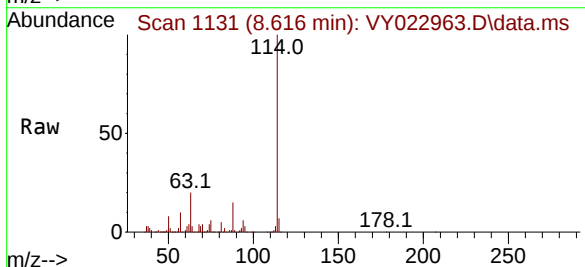
Tgt Ion: 114 Resp: 509158

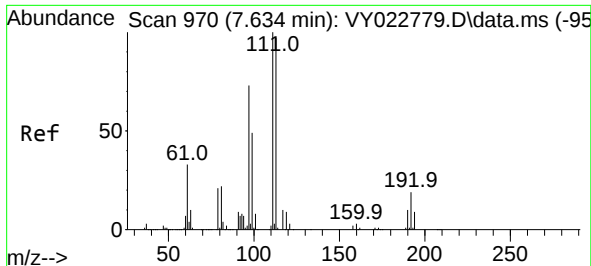
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.3 0.0 27.8

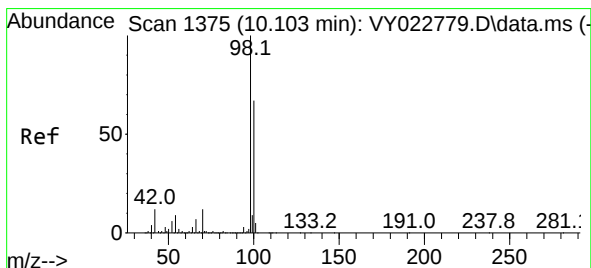
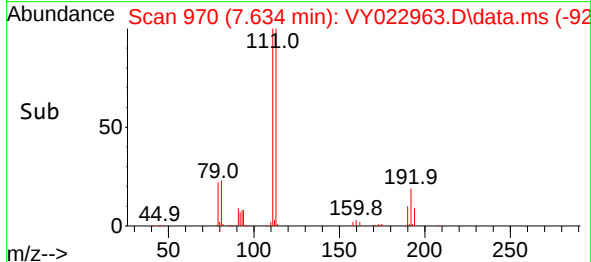
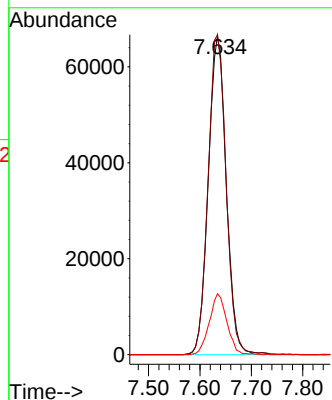
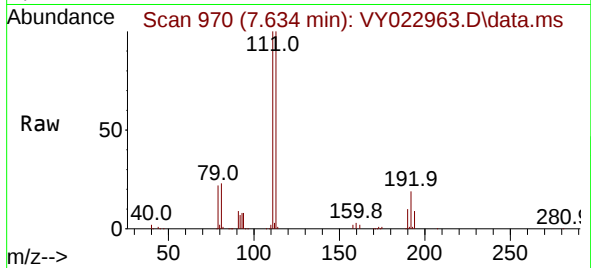




#35
Dibromofluoromethane
Concen: 52.169 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022963.D
Acq: 07 Jul 2025 16:22

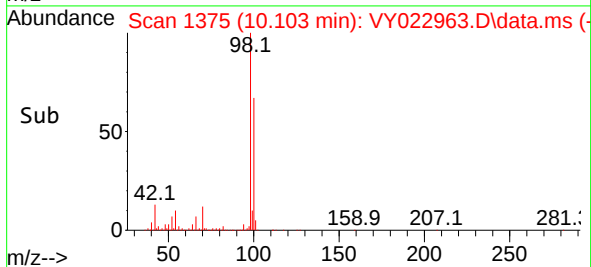
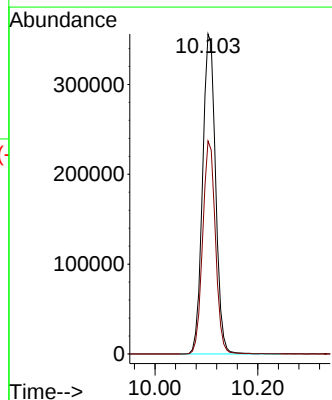
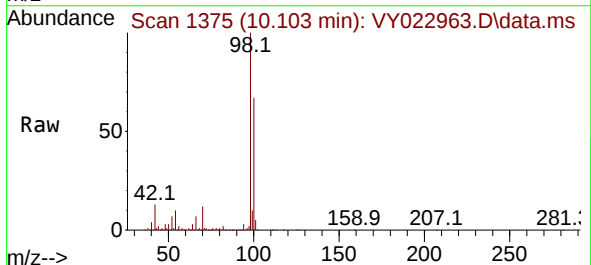
Instrument :
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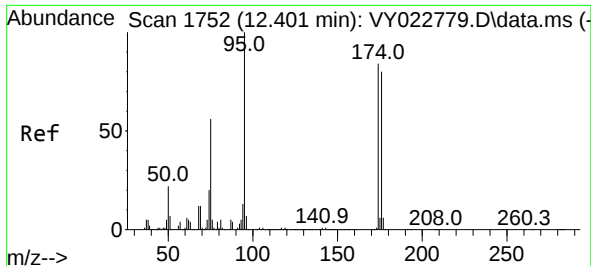
Tgt Ion:113 Resp: 161540
Ion Ratio Lower Upper
113 100
111 100.8 81.1 121.7
192 18.8 14.2 21.2



#50
Toluene-d8
Concen: 50.766 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022963.D
Acq: 07 Jul 2025 16:22

Tgt Ion: 98 Resp: 623770
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0

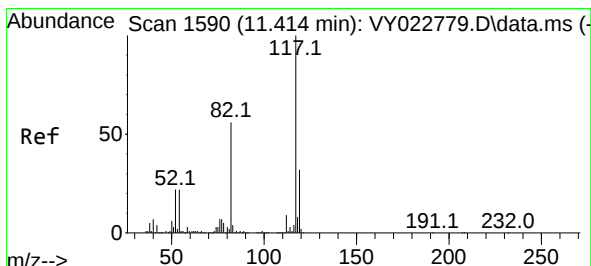
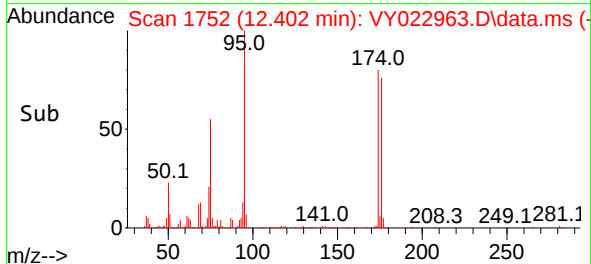
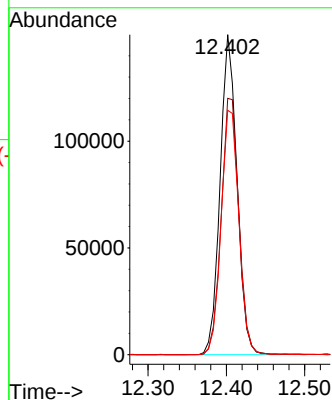
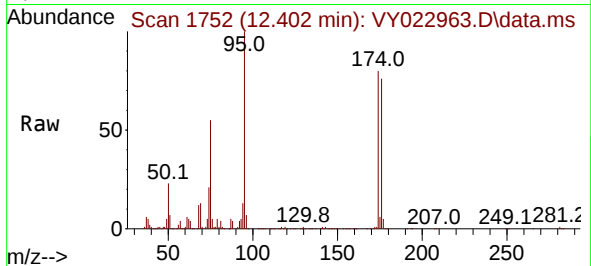




#62
4-Bromofluorobenzene
Concen: 56.990 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022963.D
Acq: 07 Jul 2025 16:22

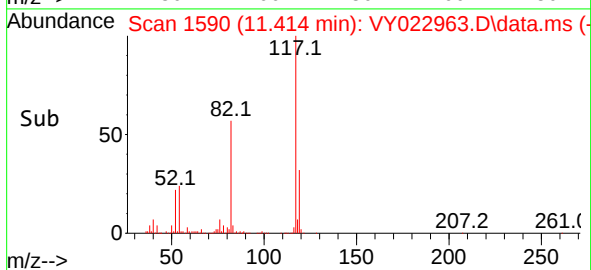
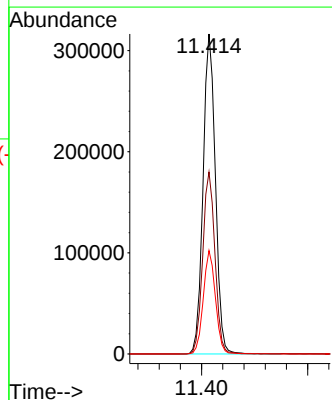
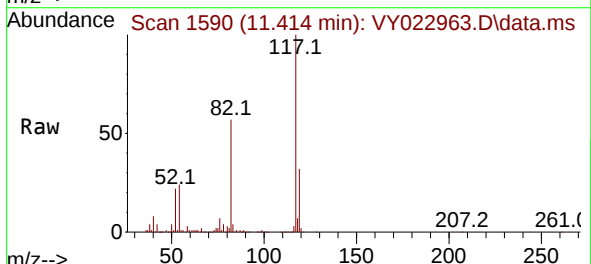
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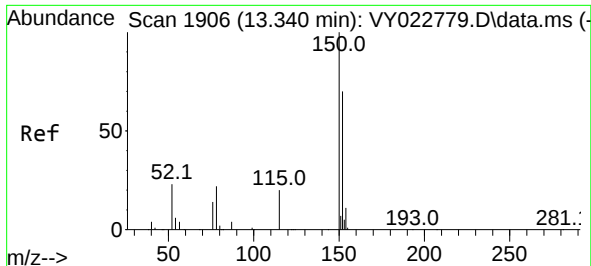
Tgt Ion: 95 Resp: 225108
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.0
176 80.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022963.D
Acq: 07 Jul 2025 16:22

Tgt Ion: 117 Resp: 510222
Ion Ratio Lower Upper
117 100
82 56.8 44.6 66.8
119 32.3 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022963.D
 Acq: 07 Jul 2025 16:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-104

Tgt Ion:152 Resp: 229337
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.9 86.7
 150 156.3 0.0 349.6

