

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022952.D
 Acq On : 07 Jul 2025 12:04
 Operator : SY/MD
 Sample : Q2513-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-3-070325

Quant Time: Jul 08 01:45:29 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)

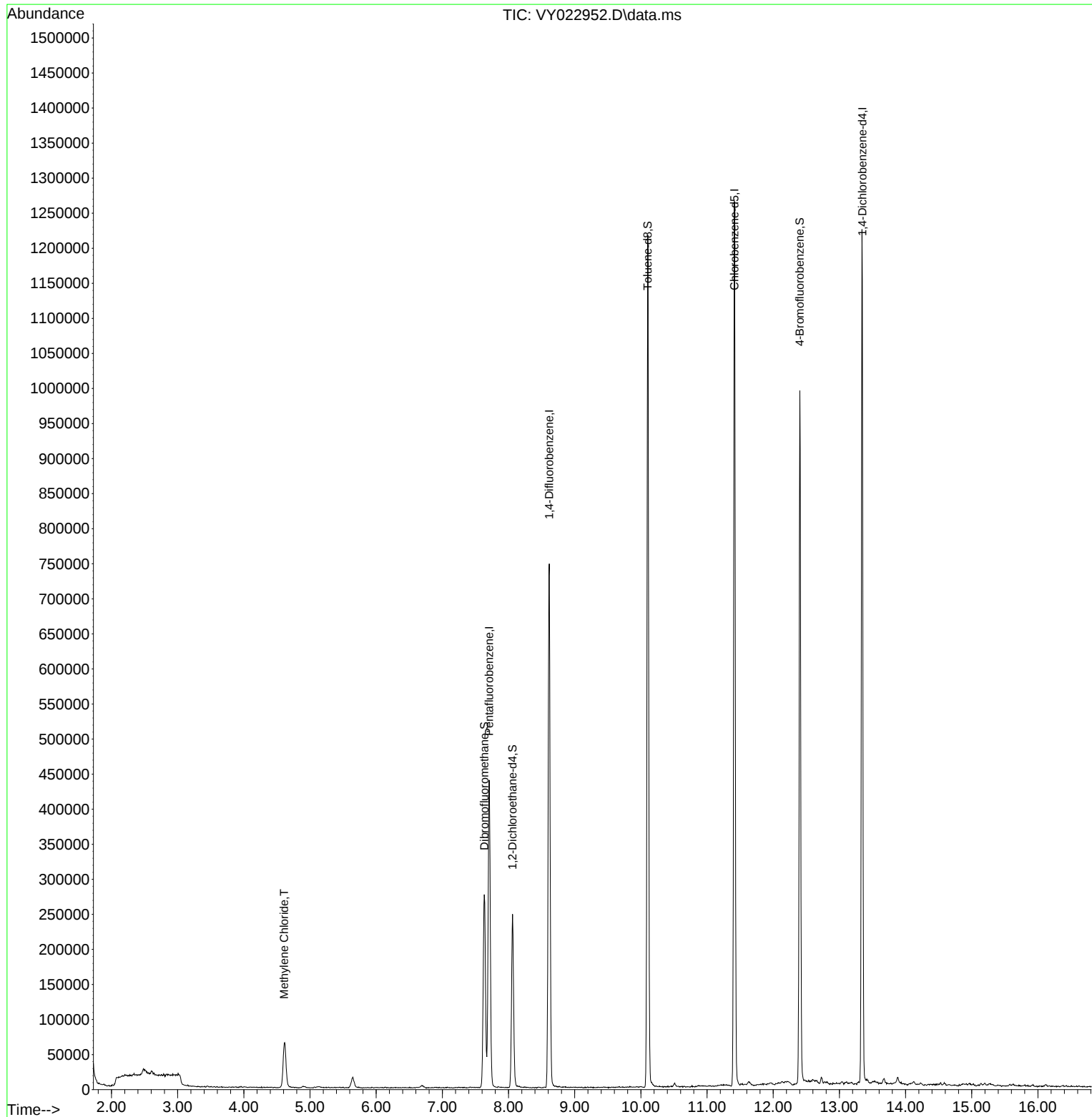
Internal Standards						
1) Pentafluorobenzene	7.707	168	332185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	623198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	635740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	291953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	188649	50.883	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 101.760%		
35) Dibromofluoromethane	7.634	113	195319	51.535	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 103.080%		
50) Toluene-d8	10.103	98	774740	51.515	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 103.020%		
62) 4-Bromofluorobenzene	12.402	95	287112	59.387	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 118.780%		
Target Compounds						
20) Methylene Chloride	4.610	84	48298	10.914	ug/l	Qvalue 95

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

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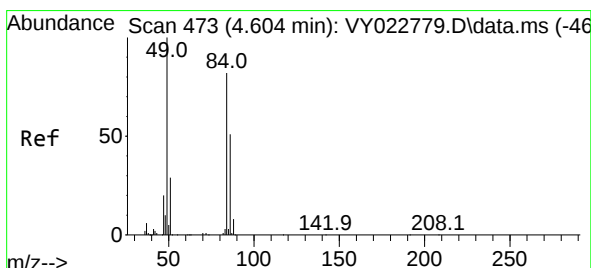
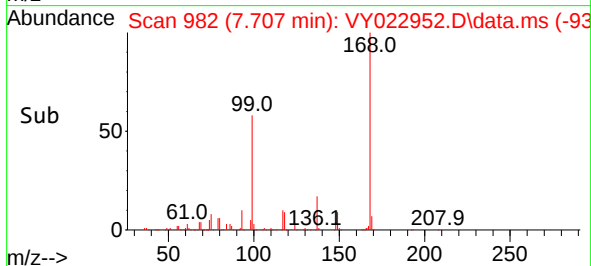
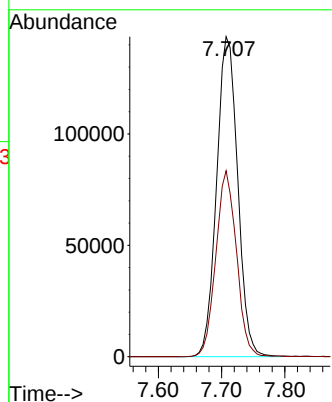
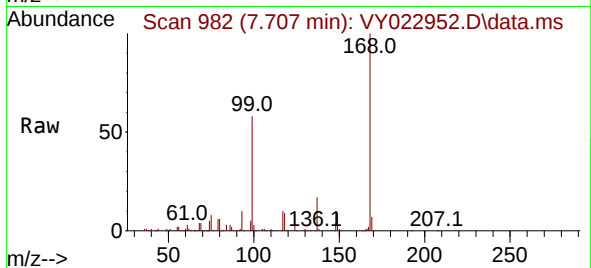




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

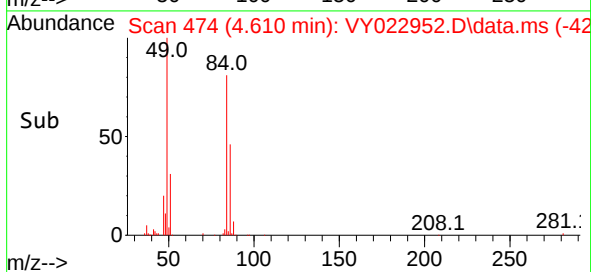
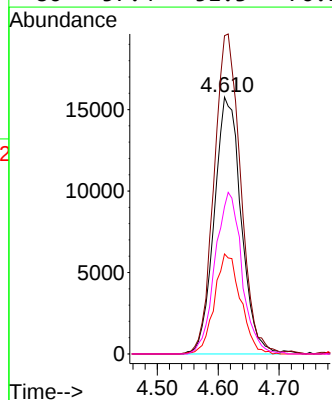
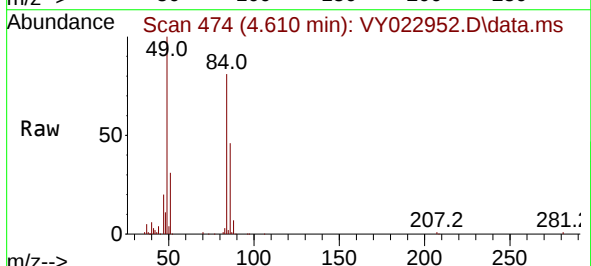
Instrument :
MSVOA_Y
ClientSampleId :
HR-3-070325

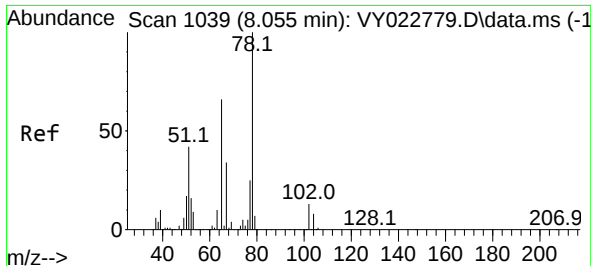
Tgt Ion:168 Resp: 332185
Ion Ratio Lower Upper
168 100
99 58.1 44.3 66.5



#20
Methylene Chloride
Concen: 10.914 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

Tgt Ion: 84 Resp: 48298
Ion Ratio Lower Upper
84 100
49 124.0 101.9 152.9
51 39.0 29.8 44.8
86 57.4 51.3 76.9

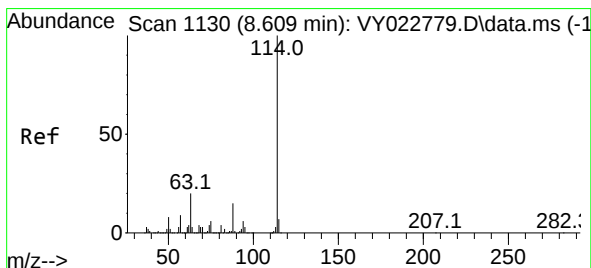
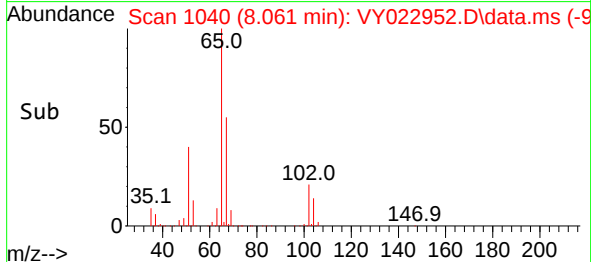
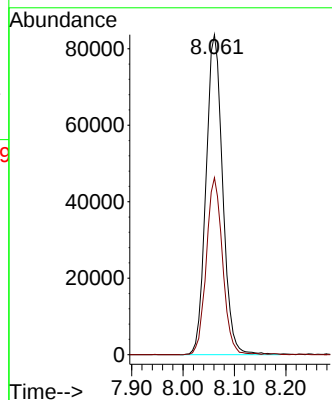
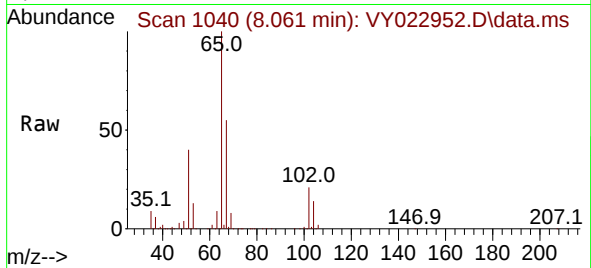




#33
 1,2-Dichloroethane-d4
 Concen: 50.883 ug/l
 RT: 8.061 min Scan# 1109
 Delta R.T. -0.006 min
 Lab File: VY022952.D
 Acq: 07 Jul 2025 12:04

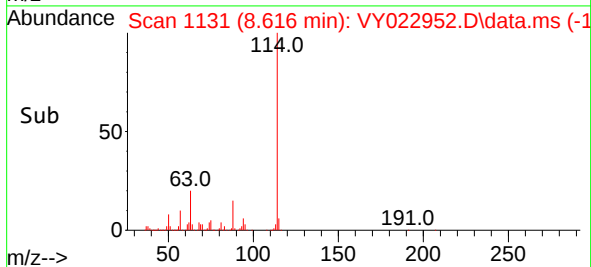
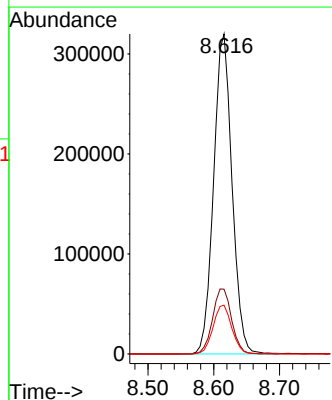
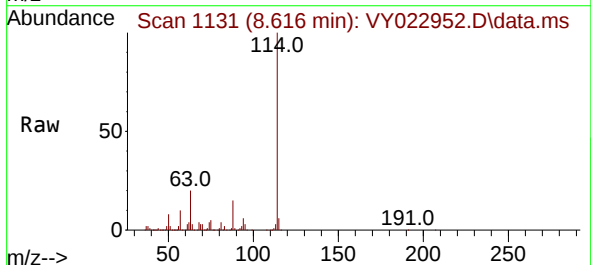
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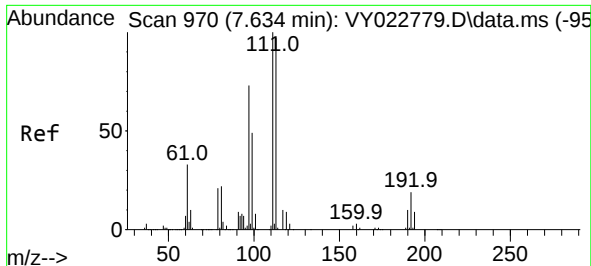
Tgt Ion: 65 Resp: 188649
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022952.D
 Acq: 07 Jul 2025 12:04

Tgt Ion: 114 Resp: 623198
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 15.3 0.0 27.8

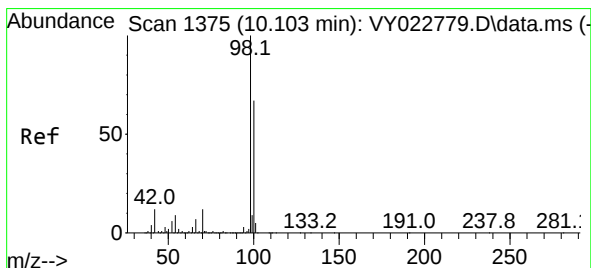
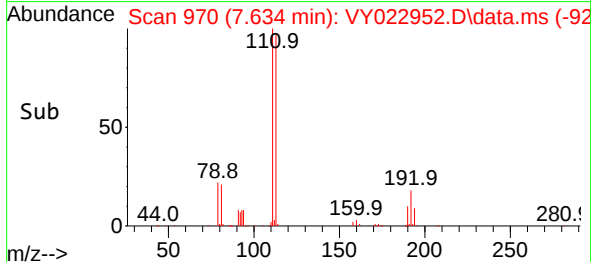
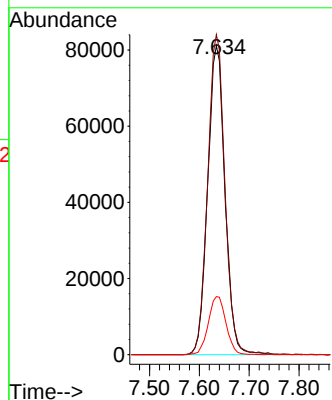
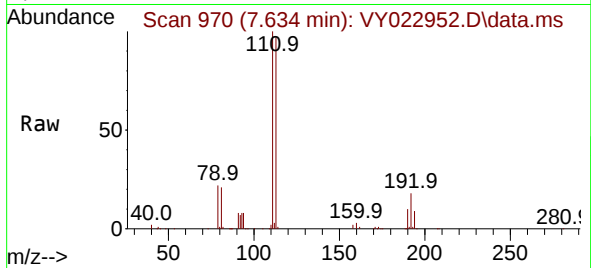




#35
Dibromofluoromethane
Concen: 51.535 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

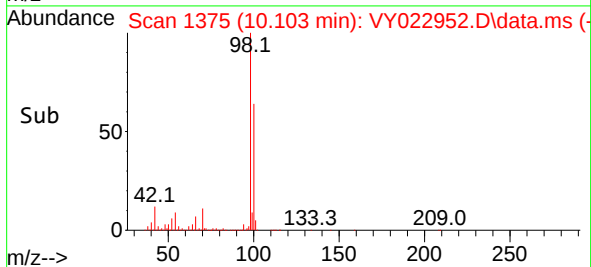
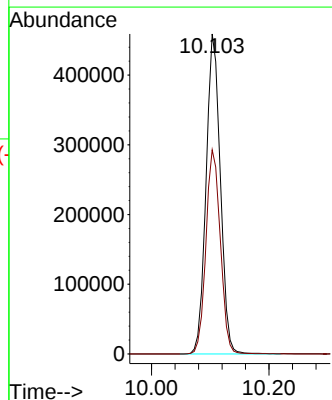
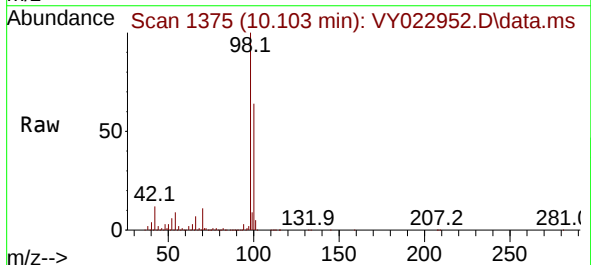
Instrument :
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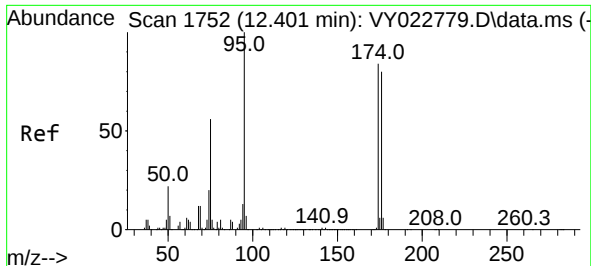
Tgt Ion:113 Resp: 195319
Ion Ratio Lower Upper
113 100
111 103.3 81.1 121.7
192 19.2 14.2 21.2



#50
Toluene-d8
Concen: 51.515 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

Tgt Ion: 98 Resp: 774740
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0

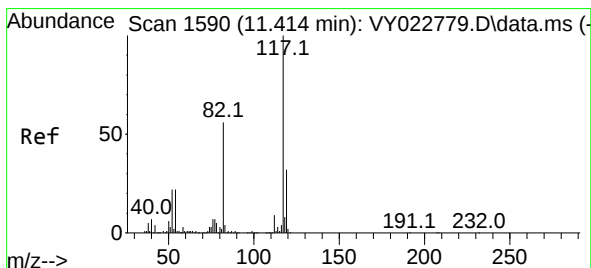
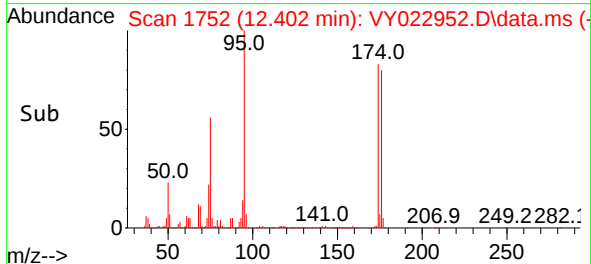
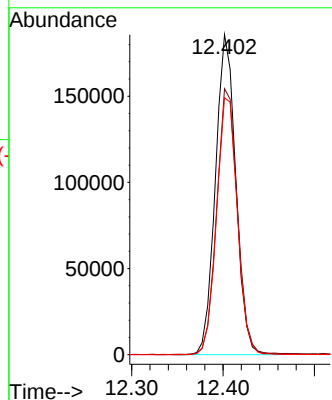
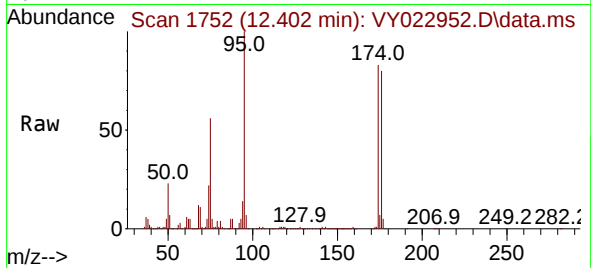




#62
4-Bromofluorobenzene
Concen: 59.387 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

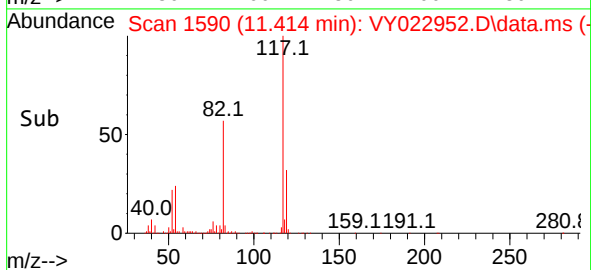
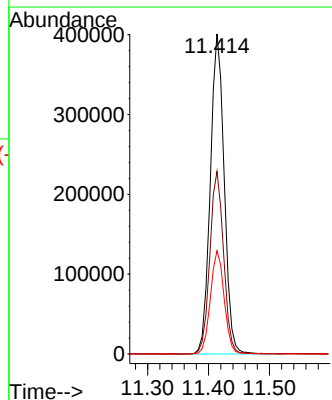
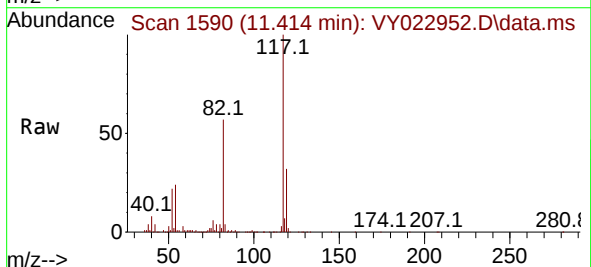
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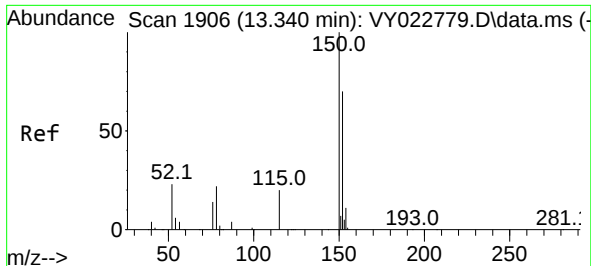
Tgt Ion: 95 Resp: 287112
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 82.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

Tgt Ion: 117 Resp: 635740
Ion Ratio Lower Upper
117 100
82 57.1 44.6 66.8
119 32.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022952.D

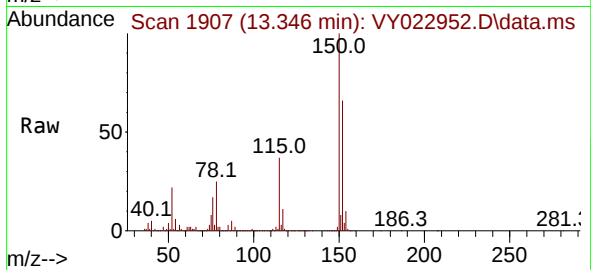
Acq: 07 Jul 2025 12:04

Instrument :

MSVOA_Y

ClientSampleId :

HR-3-070325



Tgt Ion:152 Resp: 291953

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 156.3 0.0 349.6

