

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023071.D
 Acq On : 13 Aug 2025 15:43
 Operator : SY/MD
 Sample : Q2819-09
 Misc : 4.41g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 84SB-E

Quant Time: Aug 14 01:25:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

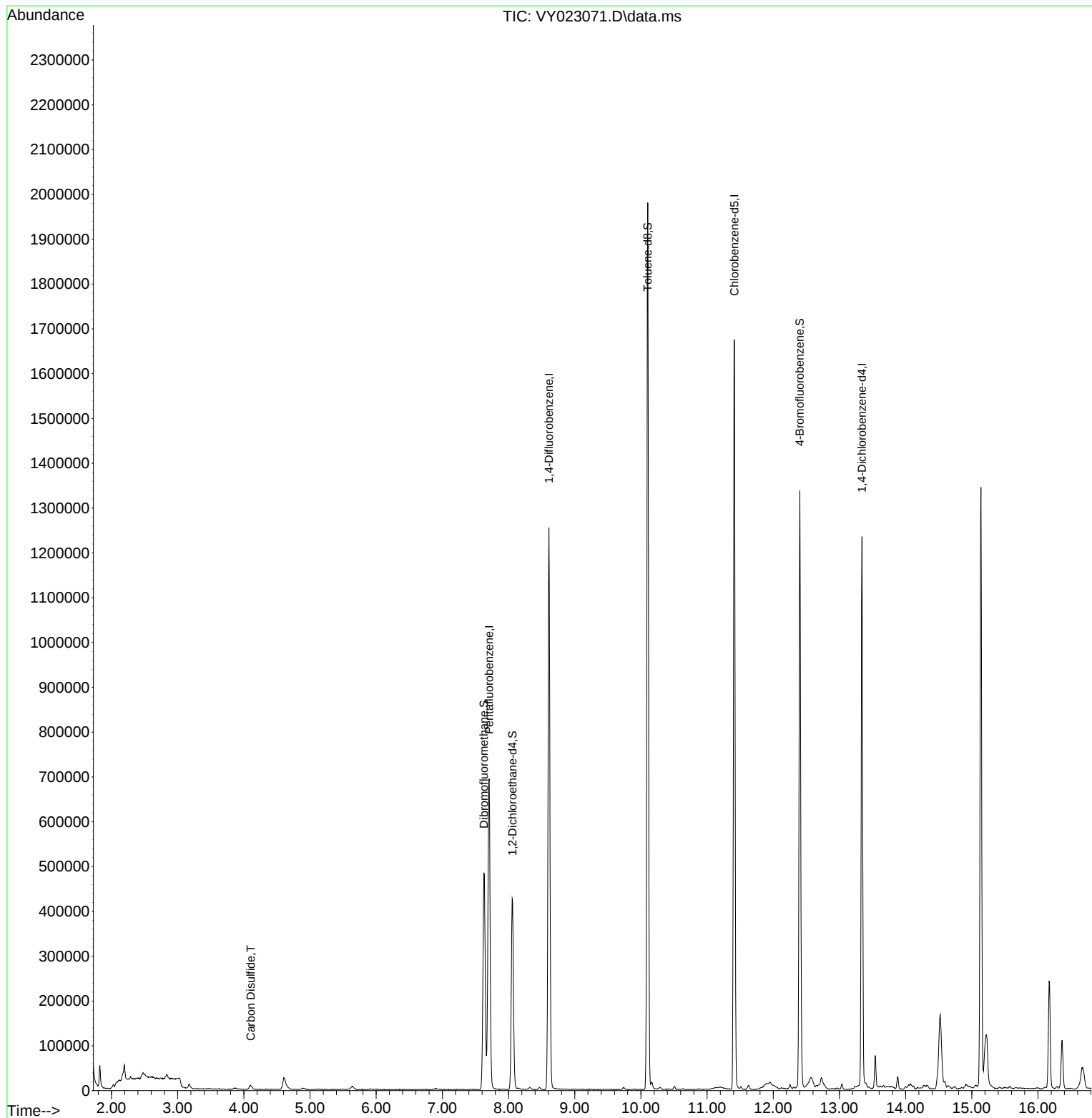
Internal Standards						
1) Pentafluorobenzene	7.707	168	542397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	1071198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	903366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	305266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	341117	65.988	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.980%	
35) Dibromofluoromethane	7.628	113	347401	54.199	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.400%	
50) Toluene-d8	10.103	98	1291121	51.562	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.120%	
62) 4-Bromofluorobenzene	12.402	95	353063	43.843	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.680%	
Target Compounds						
17) Carbon Disulfide	4.104	76	18132	1.064	ug/l	Qvalue 98

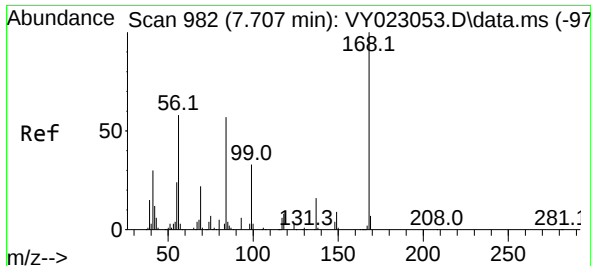
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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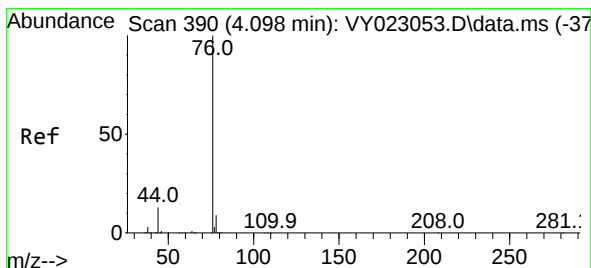
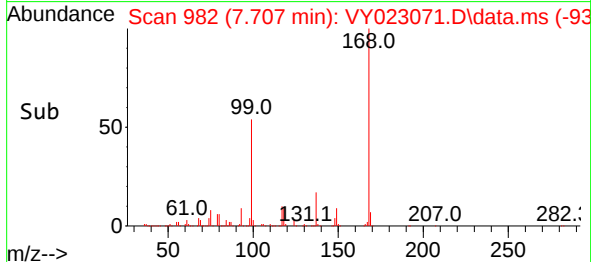
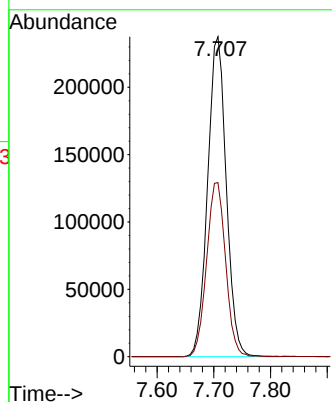
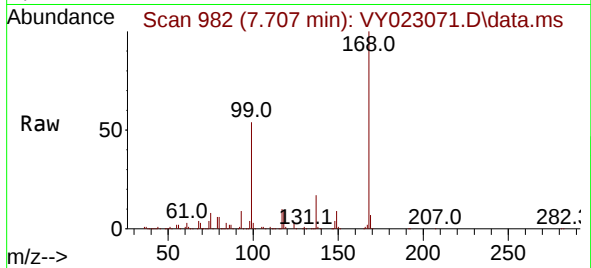




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023071.D
Acq: 13 Aug 2025 15:43

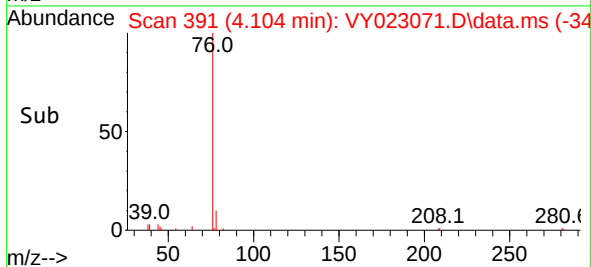
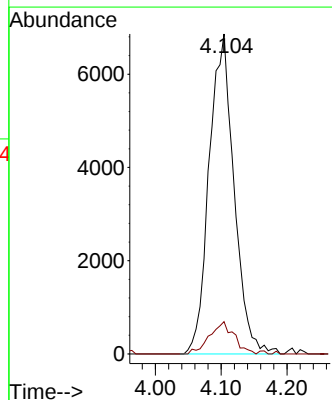
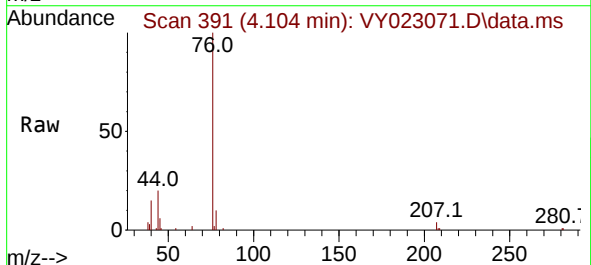
Instrument :
MSVOA_Y
ClientSampleId :
84SB-E

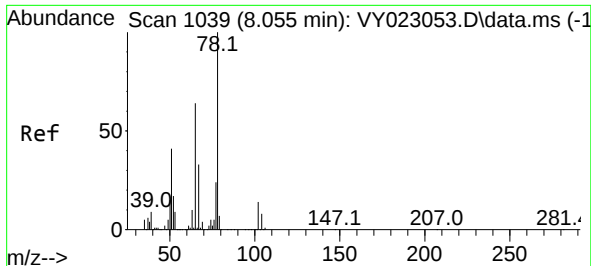
Tgt Ion:168 Resp: 542397
Ion Ratio Lower Upper
168 100
99 54.4 42.8 64.2



#17
Carbon Disulfide
Concen: 1.064 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023071.D
Acq: 13 Aug 2025 15:43

Tgt Ion: 76 Resp: 18132
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.2





#33

1,2-Dichloroethane-d4

Concen: 65.988 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023071.D

Acq: 13 Aug 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

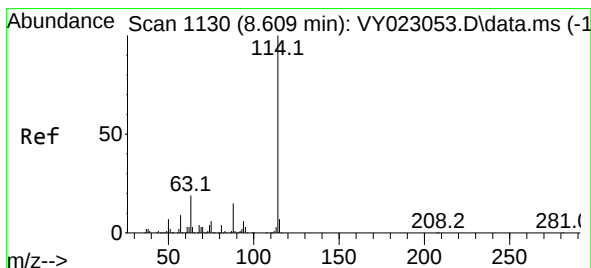
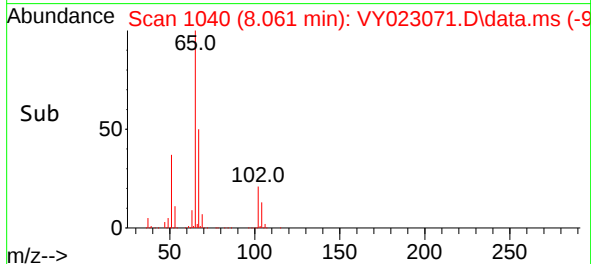
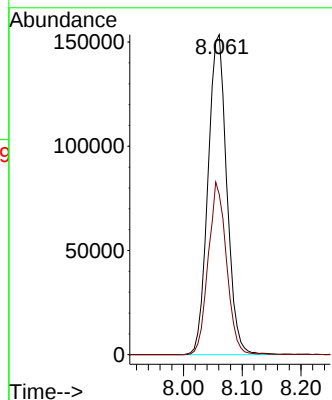
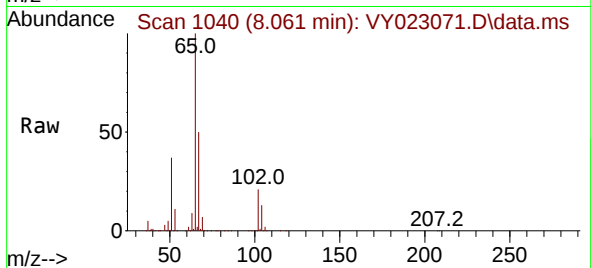
84SB-E

Tgt Ion: 65 Resp: 341117

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023071.D

Acq: 13 Aug 2025 15:43

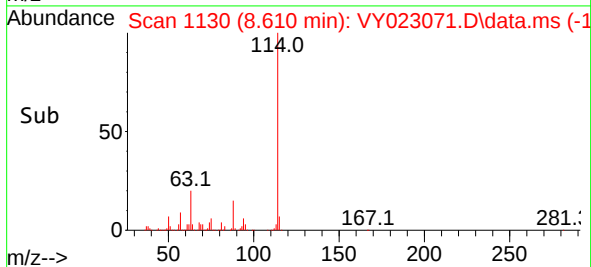
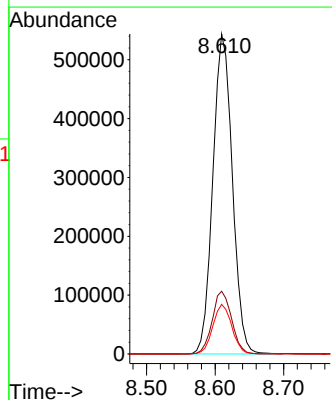
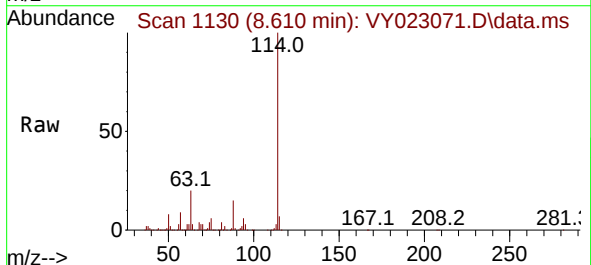
Tgt Ion: 114 Resp: 1071198

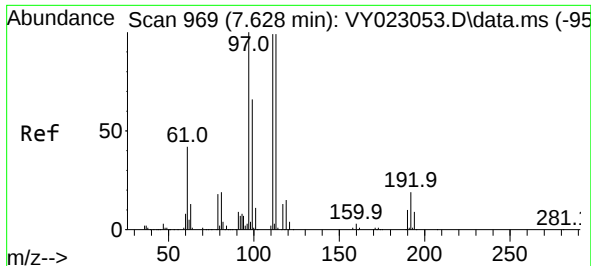
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 15.5 0.0 30.0

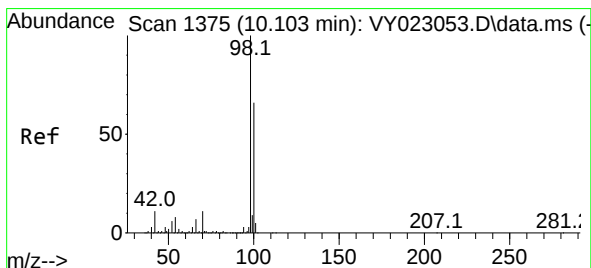
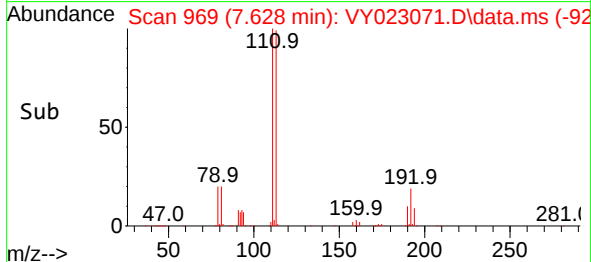
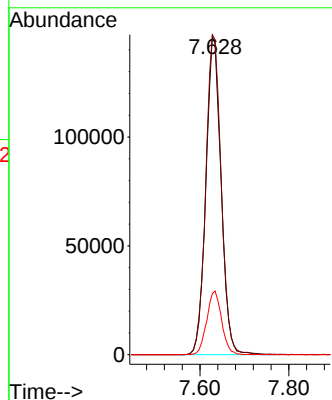
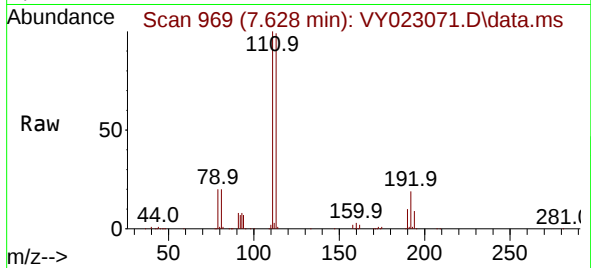




#35
Dibromofluoromethane
Concen: 54.199 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023071.D
Acq: 13 Aug 2025 15:43

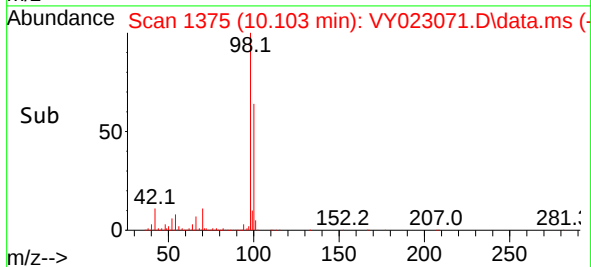
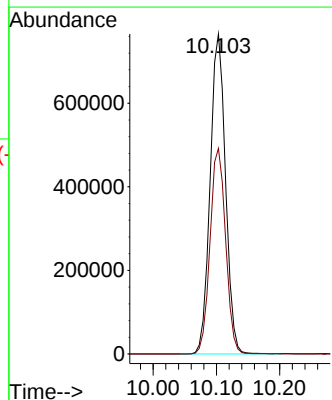
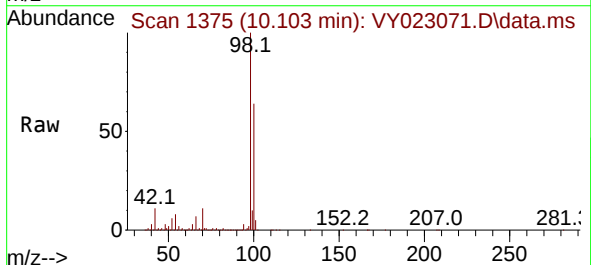
Instrument :
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84SB-E

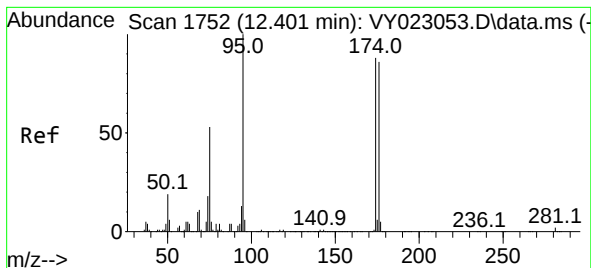
Tgt Ion:113 Resp: 347401
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 19.6 16.2 24.4



#50
Toluene-d8
Concen: 51.562 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023071.D
Acq: 13 Aug 2025 15:43

Tgt Ion: 98 Resp: 1291121
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5

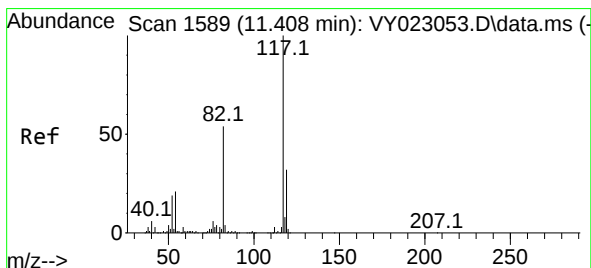
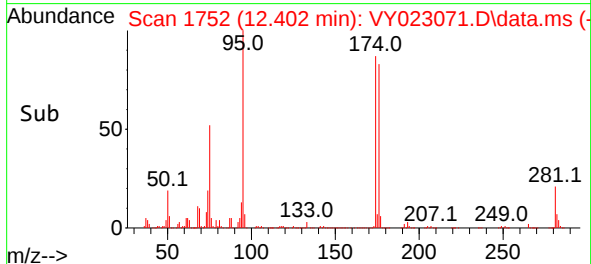
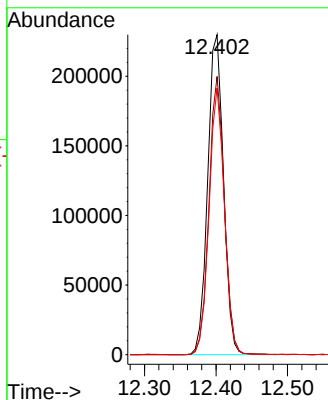
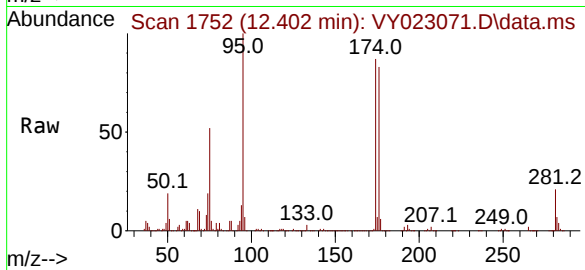




#62
4-Bromofluorobenzene
Concen: 43.843 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023071.D
Acq: 13 Aug 2025 15:43

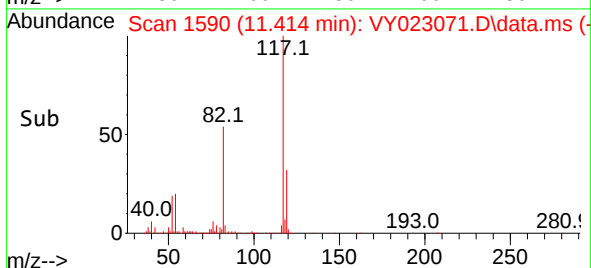
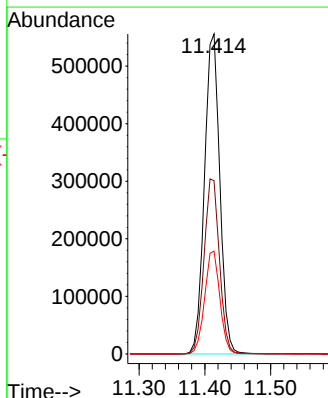
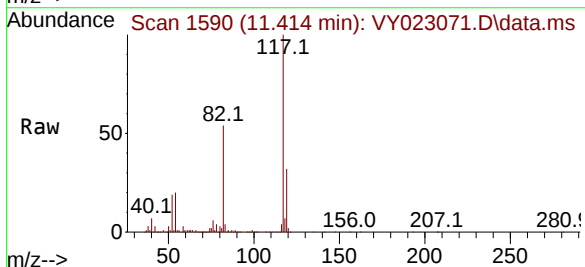
Instrument :
MSVOA_Y
ClientSampleId :
84SB-E

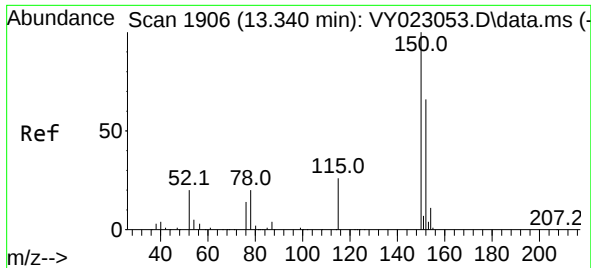
Tgt Ion: 95 Resp: 353063
Ion Ratio Lower Upper
95 100
174 84.9 0.0 171.6
176 81.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023071.D
Acq: 13 Aug 2025 15:43

Tgt Ion: 117 Resp: 903366
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.2 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. 0.000 min
 Lab File: VY023071.D
 Acq: 13 Aug 2025 15:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 84SB-E

Tgt Ion:152 Resp: 305266
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.2 84.6
 150 155.3 0.0 348.0

