

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023400.D
 Acq On : 08 Oct 2025 12:11
 Operator : SY/MD
 Sample : Q3304-01
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-100725

Quant Time: Oct 09 03:11:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

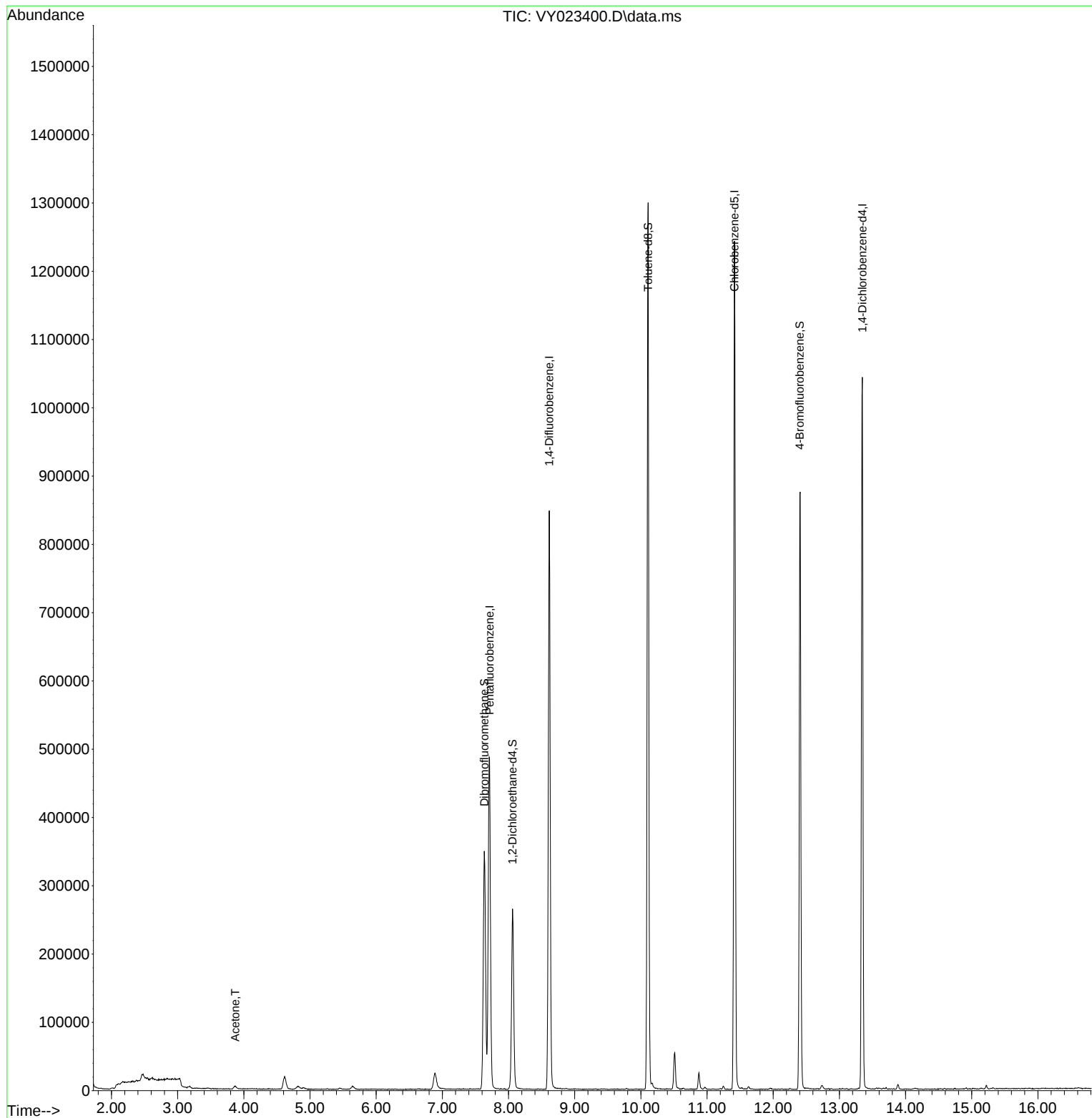
Internal Standards						
1) Pentafluorobenzene	7.713	168	415941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	755891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	694536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	291081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	204293	58.736	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.480%	
35) Dibromofluoromethane	7.634	113	252437	54.351	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.700%	
50) Toluene-d8	10.109	98	867026	50.126	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.260%	
62) 4-Bromofluorobenzene	12.402	95	265718	46.531	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.060%	
Target Compounds						
16) Acetone	3.873	43	7366	8.896	ug/l	Qvalue 100

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

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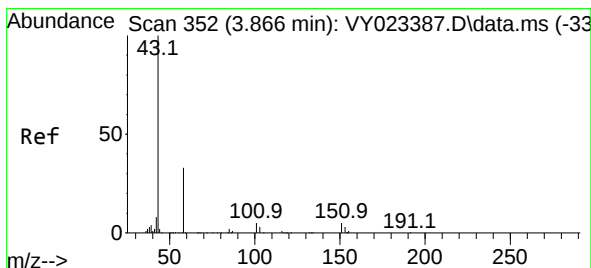
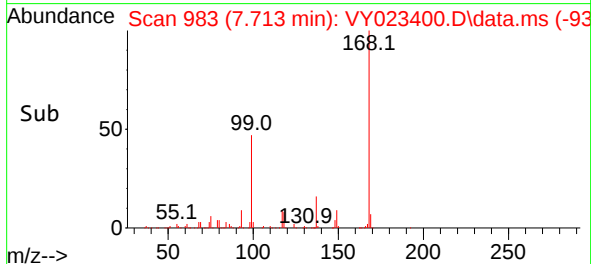
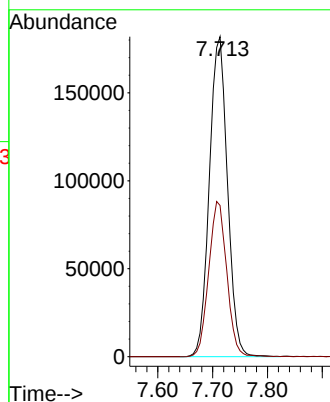
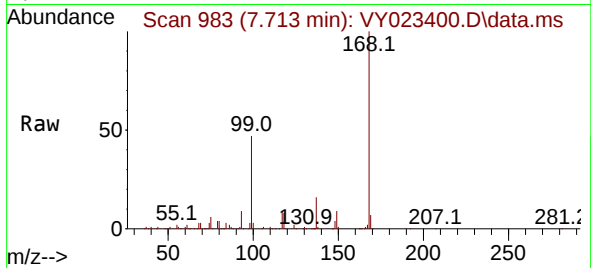




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

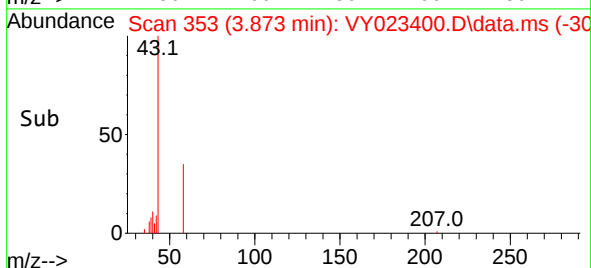
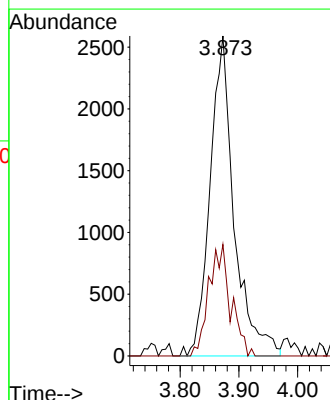
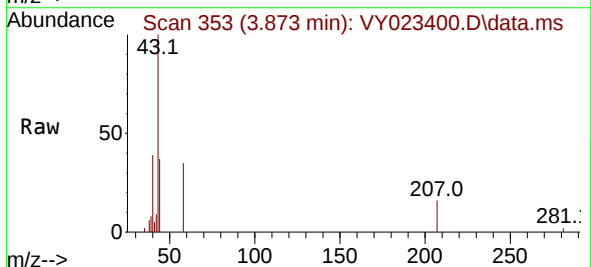
Instrument :
MSVOA_Y
ClientSampleId :
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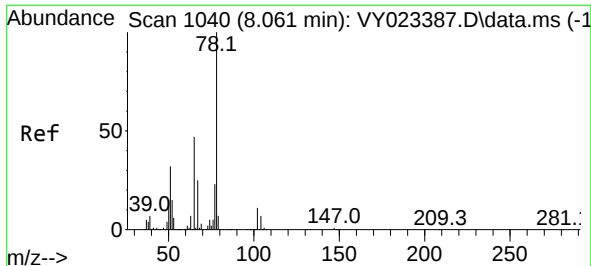
Tgt Ion:168 Resp: 415941
Ion Ratio Lower Upper
168 100
99 47.2 39.7 59.5



#16
Acetone
Concen: 8.896 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

Tgt Ion: 43 Resp: 7366
Ion Ratio Lower Upper
43 100
58 34.9 27.7 41.5





#33

1,2-Dichloroethane-d4

Concen: 58.736 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023400.D

Acq: 08 Oct 2025 12:11

Instrument :

MSVOA_Y

ClientSampleId :

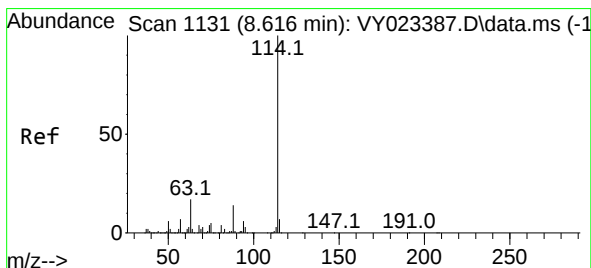
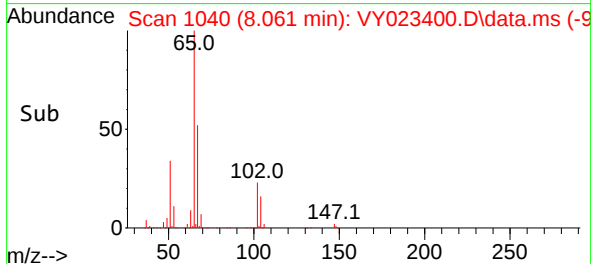
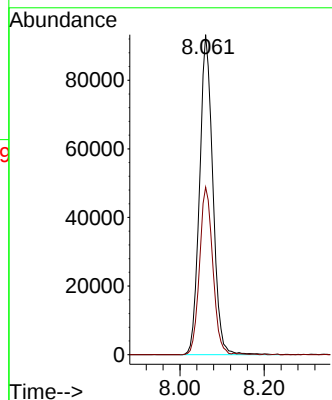
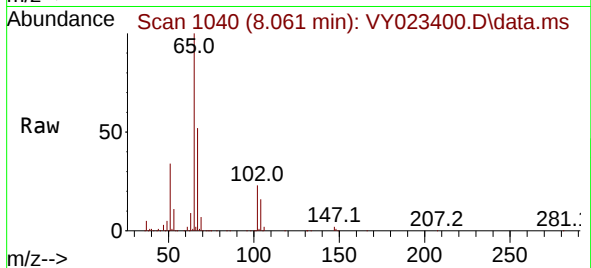
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Tgt Ion: 65 Resp: 204293

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023400.D

Acq: 08 Oct 2025 12:11

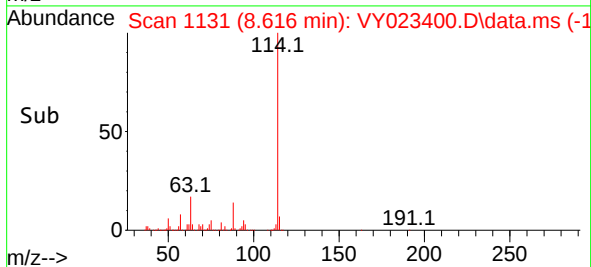
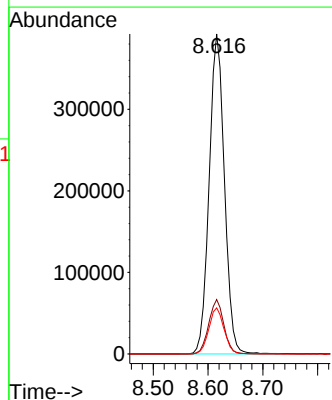
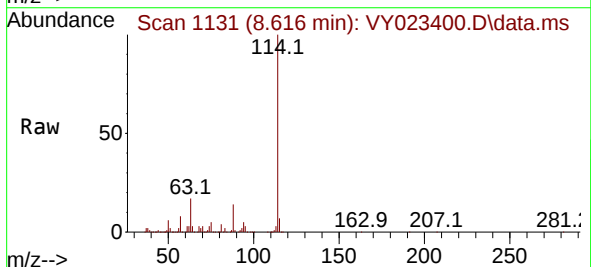
Tgt Ion: 114 Resp: 755891

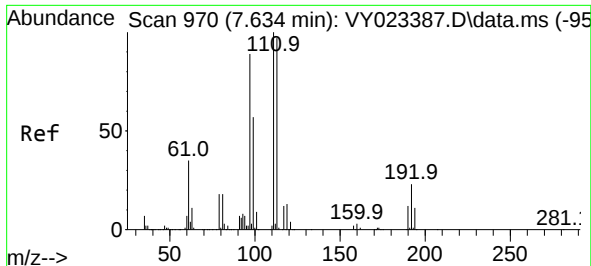
Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.2

88 14.4 0.0 28.4

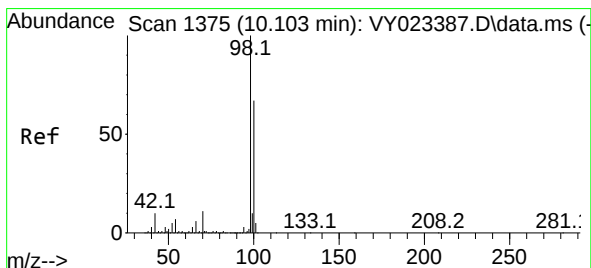
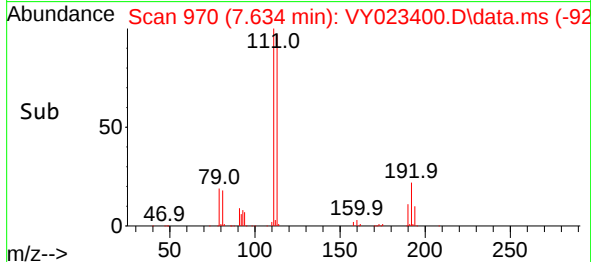
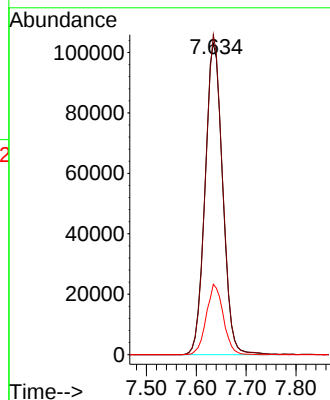
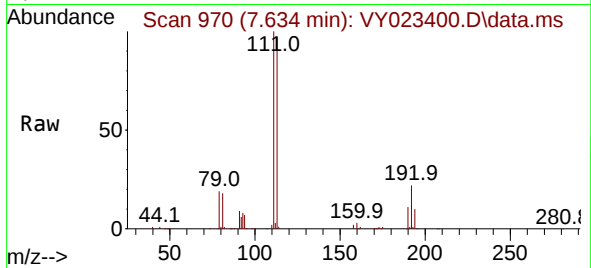




#35
Dibromofluoromethane
Concen: 54.351 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

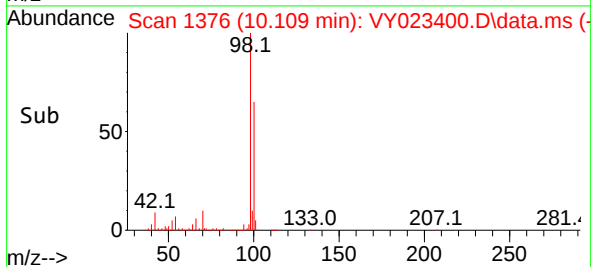
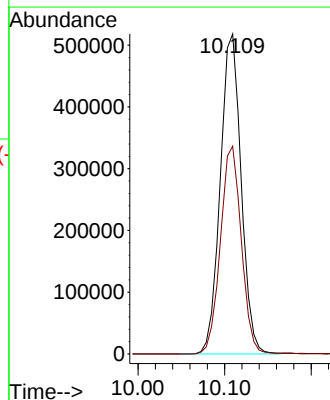
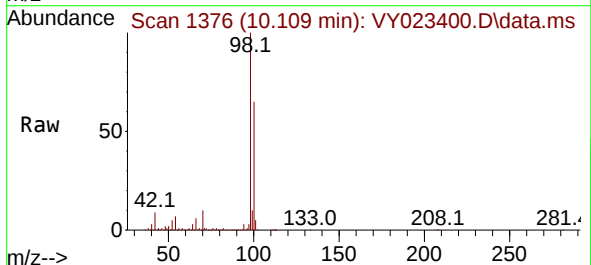
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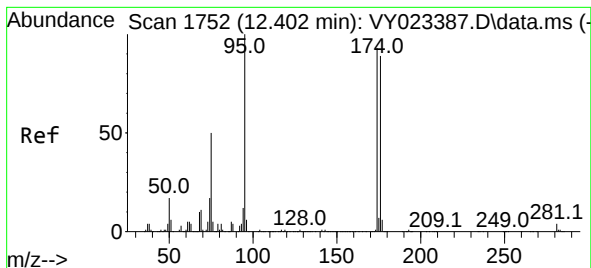
Tgt Ion:113 Resp: 252437
Ion Ratio Lower Upper
113 100
111 100.6 81.8 122.6
192 21.9 18.0 27.0



#50
Toluene-d8
Concen: 50.126 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

Tgt Ion: 98 Resp: 867026
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4

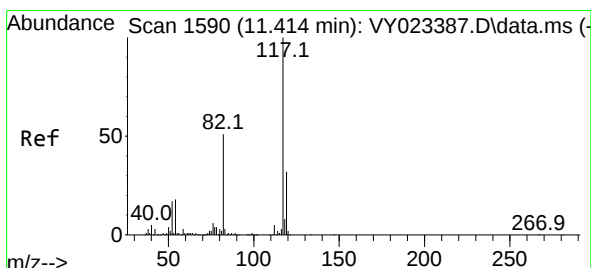
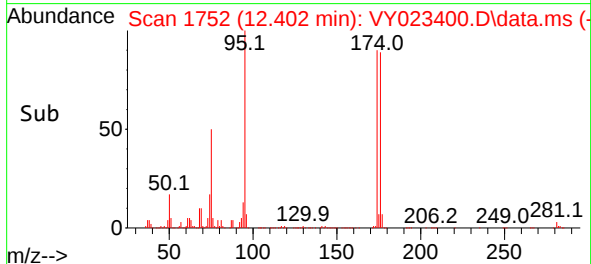
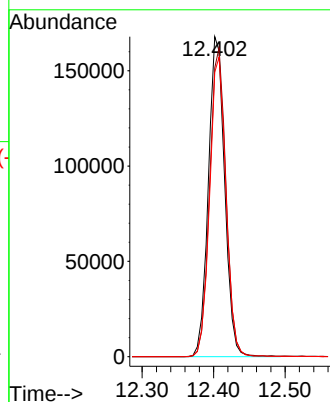
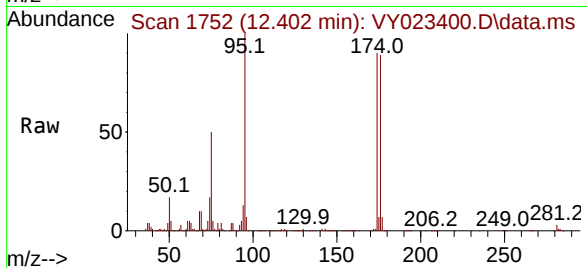




#62
4-Bromofluorobenzene
Concen: 46.531 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

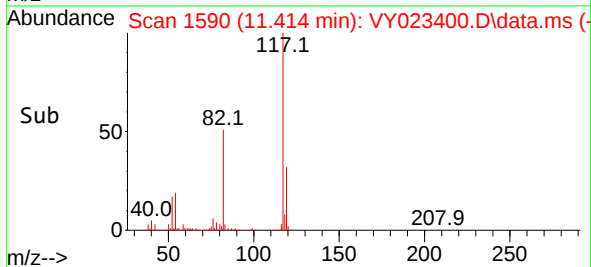
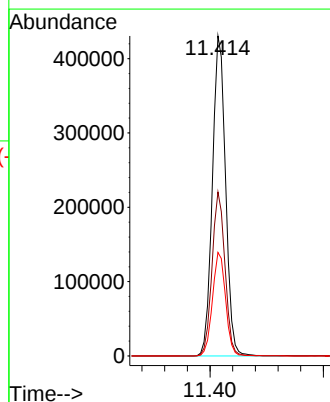
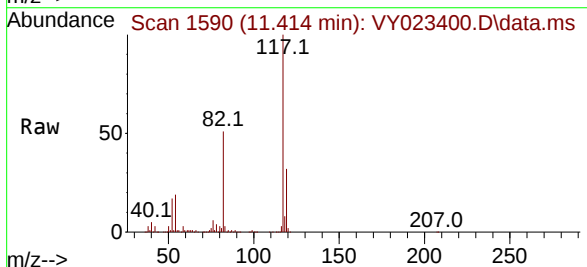
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-100725

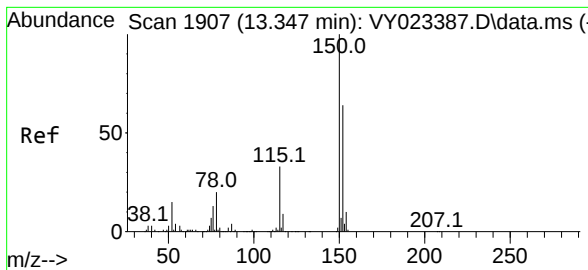
Tgt Ion: 95 Resp: 265718
Ion Ratio Lower Upper
95 100
174 96.7 0.0 192.8
176 93.7 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

Tgt Ion: 117 Resp: 694536
Ion Ratio Lower Upper
117 100
82 51.3 41.0 61.4
119 32.3 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY023400.D
 Acq: 08 Oct 2025 12:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-100725

Tgt Ion:152 Resp: 291081
 Ion Ratio Lower Upper
 152 100
 115 54.5 27.1 81.2
 150 156.9 0.0 347.4

