

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023351.D
 Acq On : 11 Sep 2025 16:12
 Operator : SY/MD
 Sample : Q3082-09
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-33

Quant Time: Sep 12 01:29:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

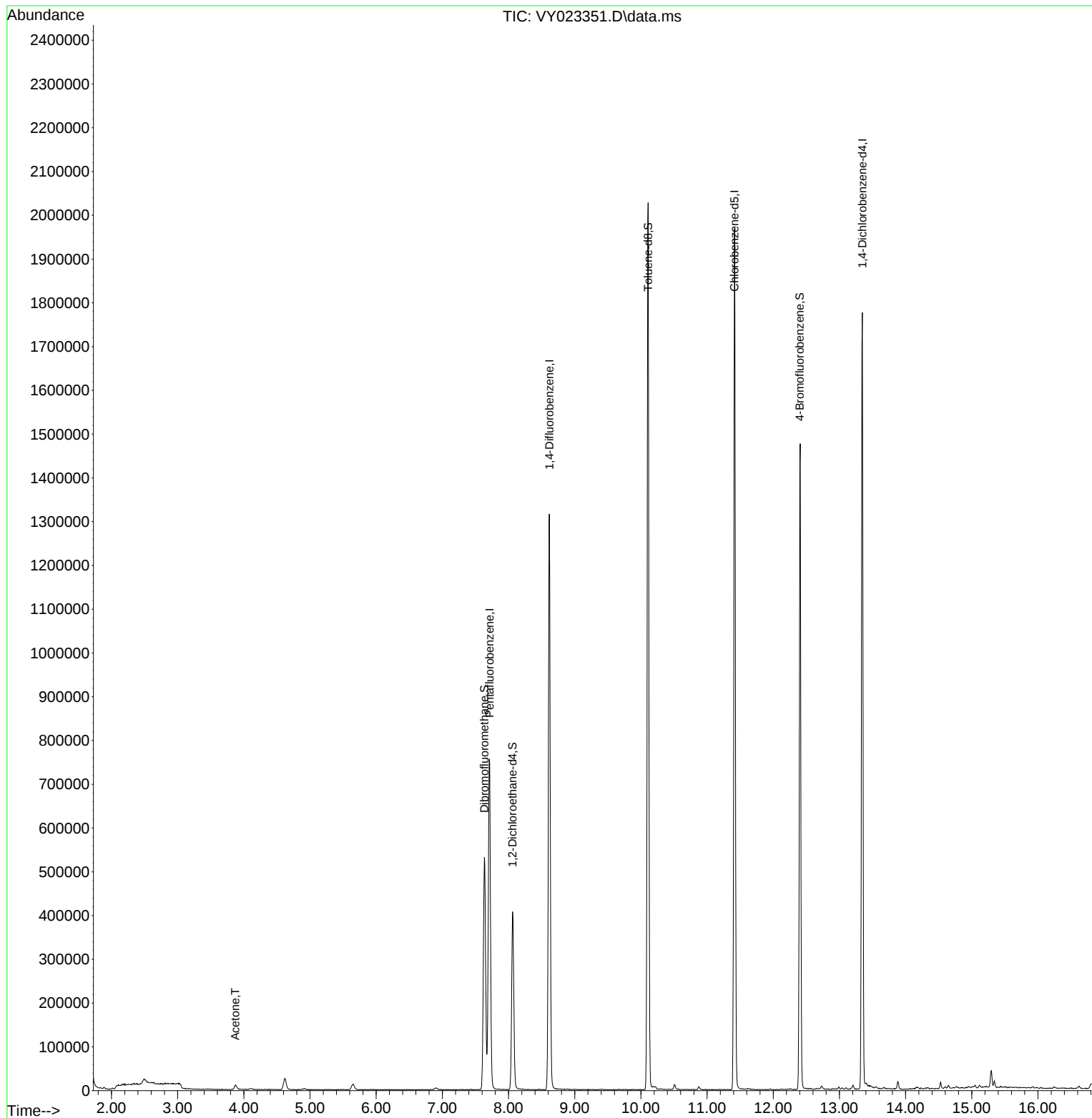
Internal Standards						
1) Pentafluorobenzene	7.713	168	625849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1173821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1097282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	476715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	316917	57.627	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.260%
35) Dibromofluoromethane	7.634	113	381517	53.172	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.340%
50) Toluene-d8	10.109	98	1383895	51.078	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.160%
62) 4-Bromofluorobenzene	12.402	95	440979	51.720	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.440%
Target Compounds						
16) Acetone	3.873	43	17732	14.155	ug/l	Qvalue 97

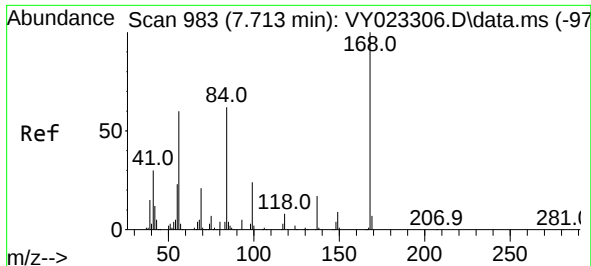
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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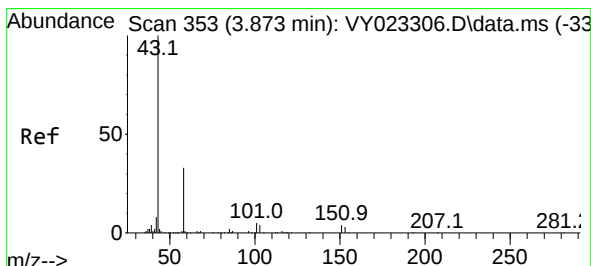
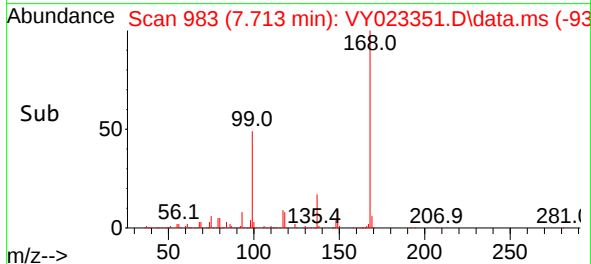
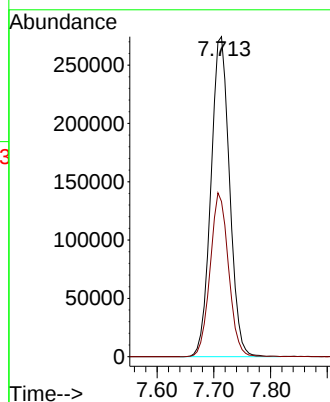
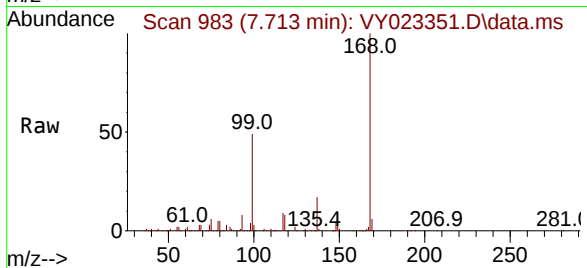




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

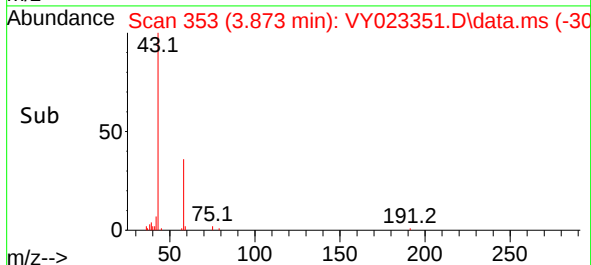
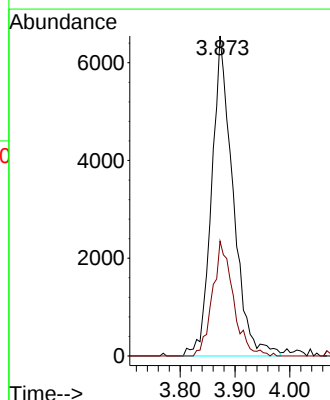
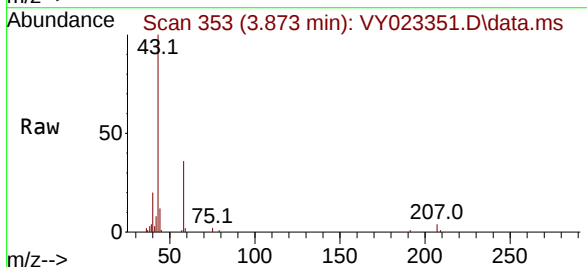
Instrument :
MSVOA_Y
ClientSampleId :
WC-33

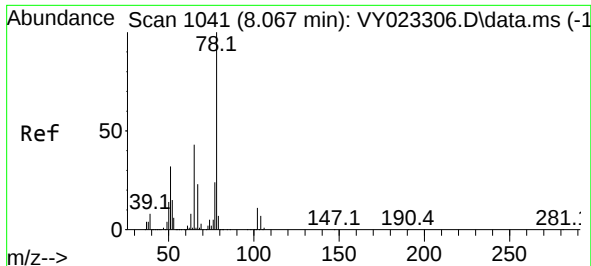
Tgt Ion:168 Resp: 625849
Ion Ratio Lower Upper
168 100
99 48.5 42.8 64.2



#16
Acetone
Concen: 14.155 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

Tgt Ion: 43 Resp: 17732
Ion Ratio Lower Upper
43 100
58 35.9 27.1 40.7





#33

1,2-Dichloroethane-d4

Concen: 57.627 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023351.D

Acq: 11 Sep 2025 16:12

Instrument :

MSVOA_Y

ClientSampleId :

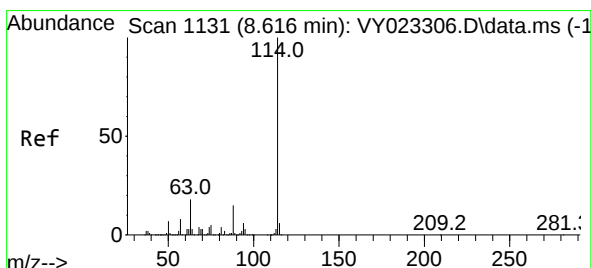
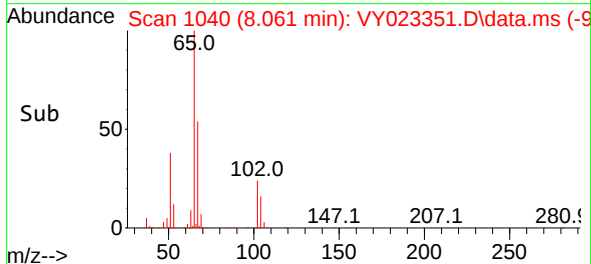
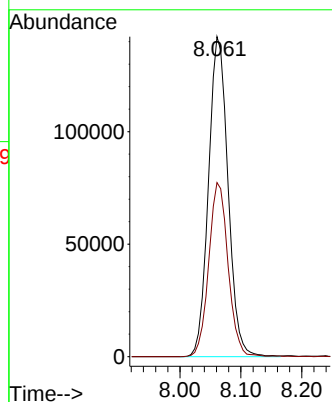
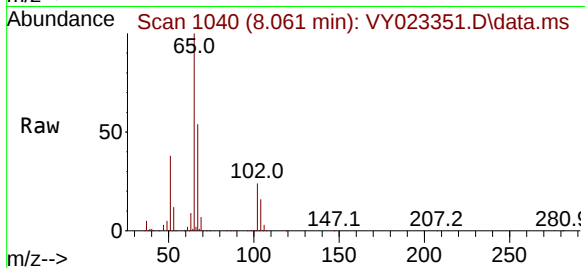
WC-33

Tgt Ion: 65 Resp: 316917

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023351.D

Acq: 11 Sep 2025 16:12

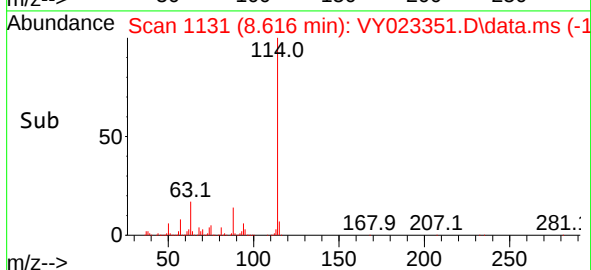
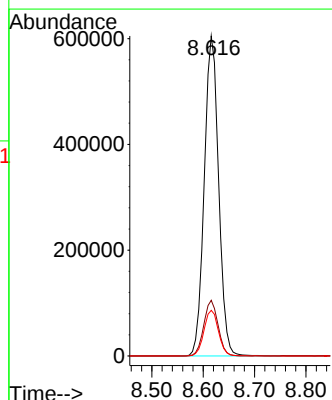
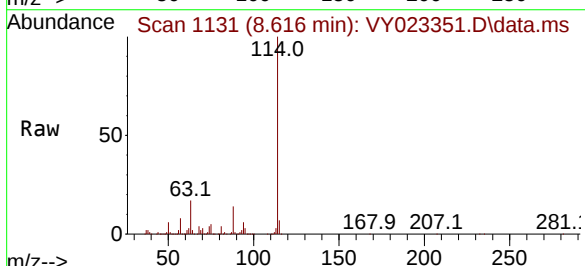
Tgt Ion: 114 Resp: 1173821

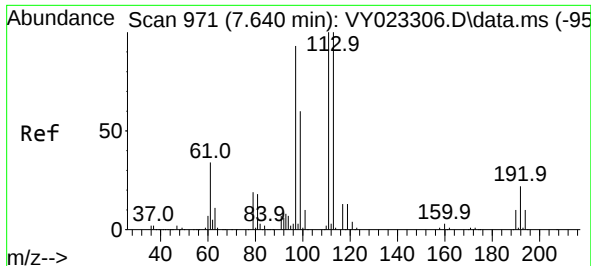
Ion Ratio Lower Upper

114 100

63 17.4 0.0 38.4

88 14.3 0.0 30.0



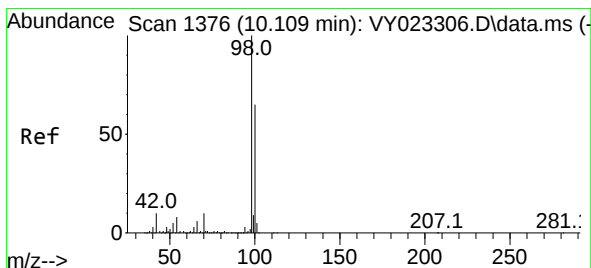
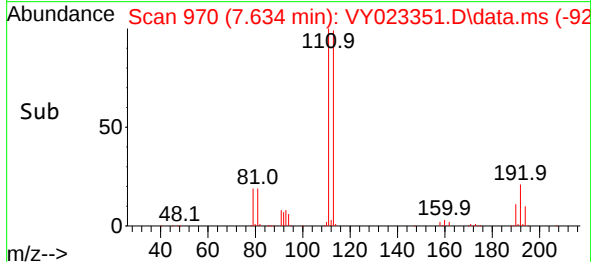
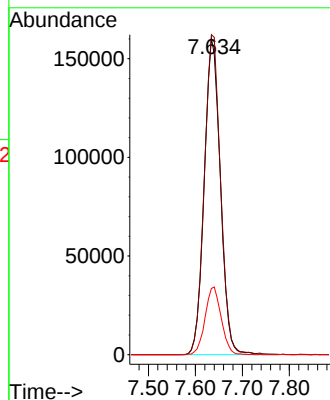
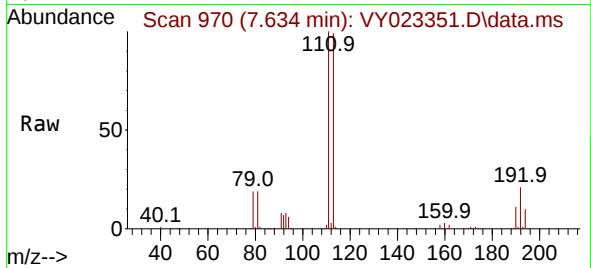


#35
 Dibromofluoromethane
 Concen: 53.172 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY023351.D
 Acq: 11 Sep 2025 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-33

Tgt Ion:113 Resp: 381517

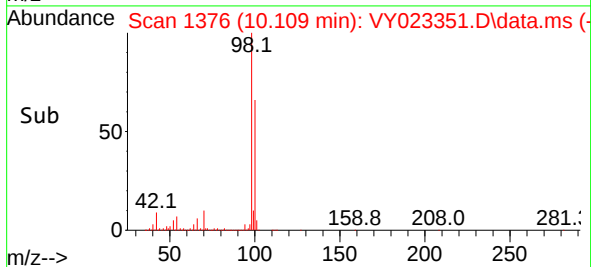
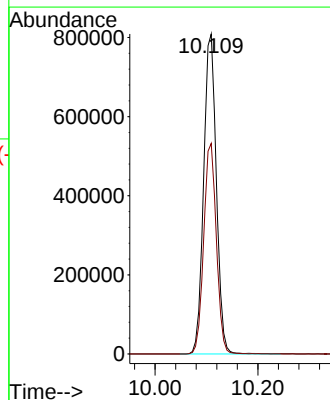
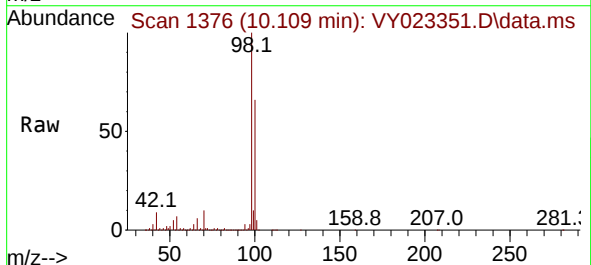
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	21.4	16.2	24.4

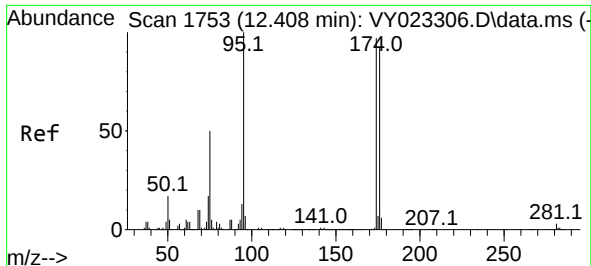


#50
 Toluene-d8
 Concen: 51.078 ug/l
 RT: 10.109 min Scan# 1376
 Delta R.T. 0.006 min
 Lab File: VY023351.D
 Acq: 11 Sep 2025 16:12

Tgt Ion: 98 Resp: 1383895

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.3	78.5

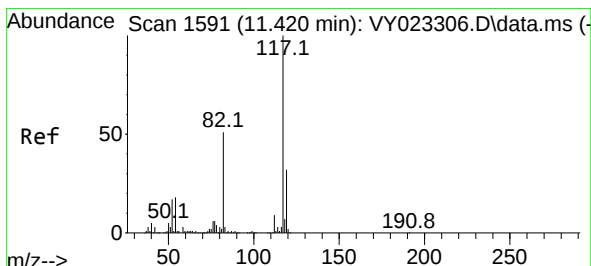
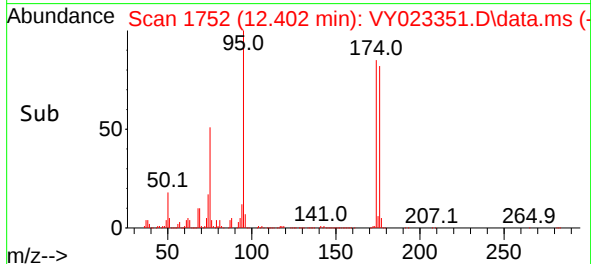
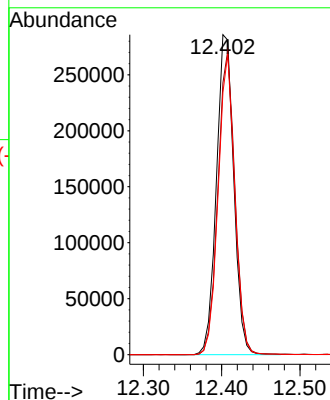
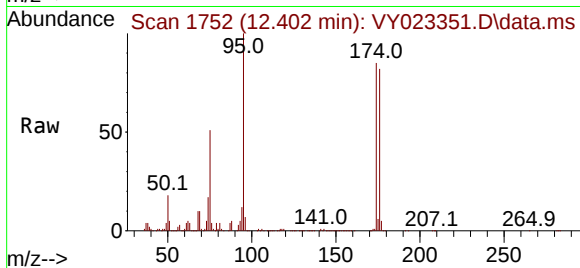




#62
4-Bromofluorobenzene
Concen: 51.720 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

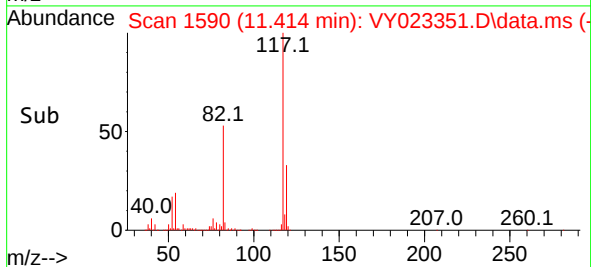
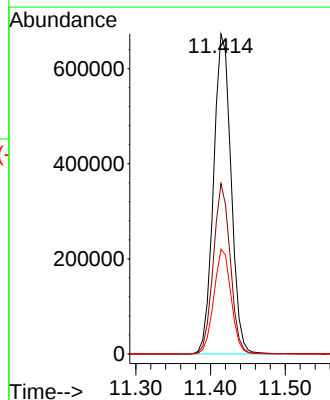
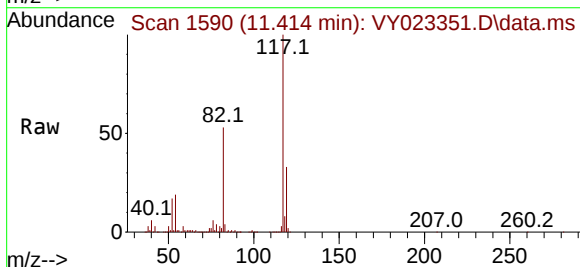
Instrument :
MSVOA_Y
ClientSampleId :
WC-33

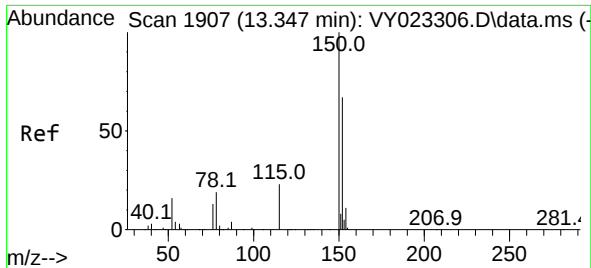
Tgt Ion: 95 Resp: 440979
Ion Ratio Lower Upper
95 100
174 93.1 0.0 171.6
176 89.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023351.D
Acq: 11 Sep 2025 16:12

Tgt Ion: 117 Resp: 1097282
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 32.7 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY023351.D
 Acq: 11 Sep 2025 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-33

Tgt Ion:152 Resp: 476715
 Ion Ratio Lower Upper
 152 100
 115 55.6 28.2 84.6
 150 158.7 0.0 348.0

