

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023326.D
 Acq On : 10 Sep 2025 12:02
 Operator : SY/MD
 Sample : Q3056-01
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-090925

Quant Time: Sep 11 03:48:31 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	582892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1114914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1035508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	429758	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306859	59.910	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.820%
35) Dibromofluoromethane	7.634	113	364125	53.429	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.860%
50) Toluene-d8	10.109	98	1328803	51.636	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.280%
62) 4-Bromofluorobenzene	12.408	95	400746	49.484	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.960%

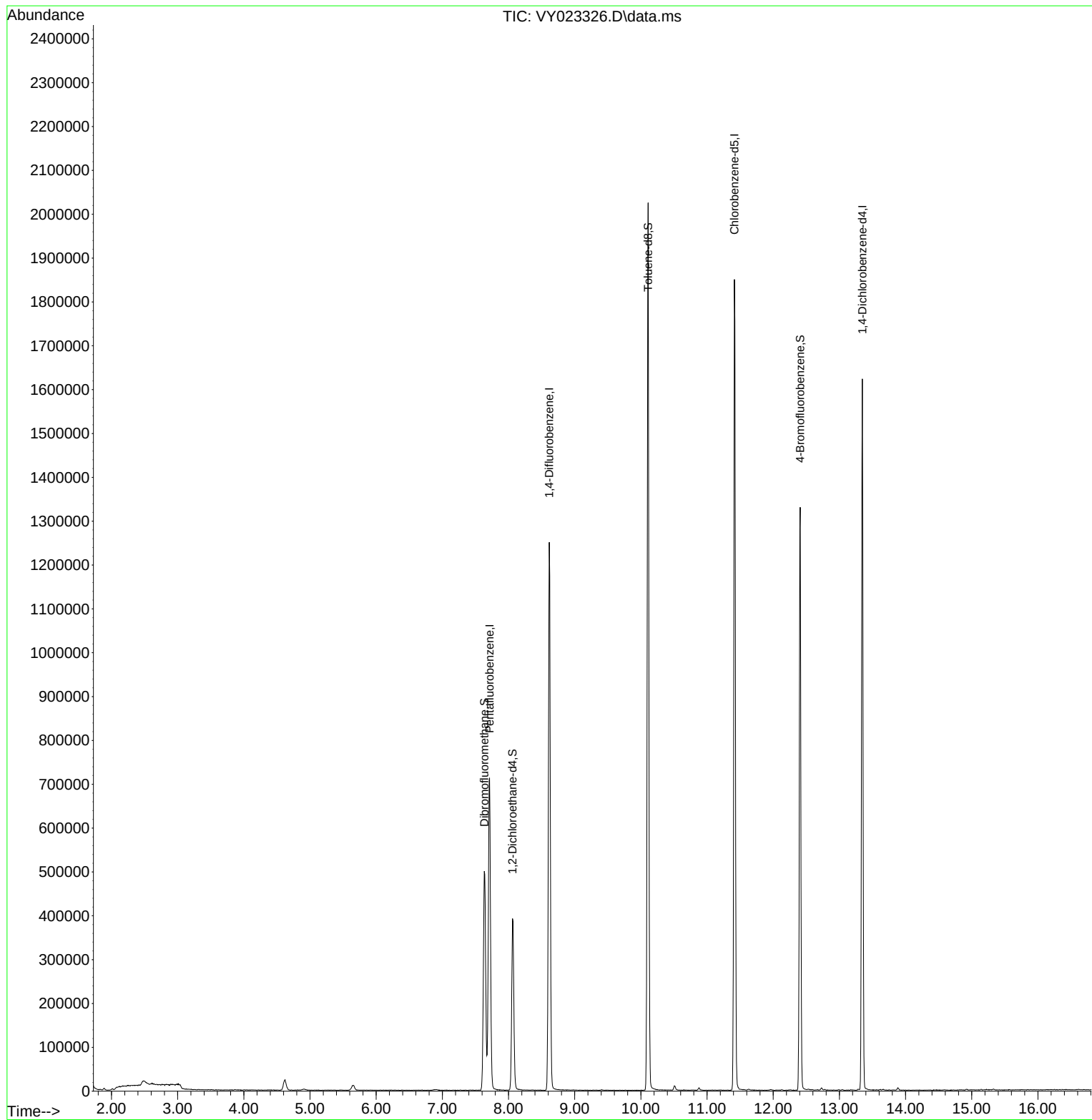
Target Compounds	Qvalue

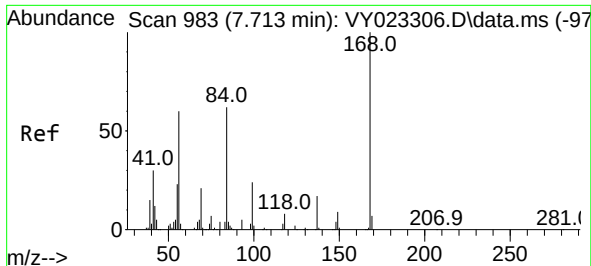
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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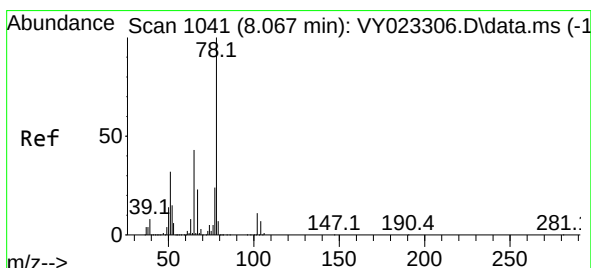
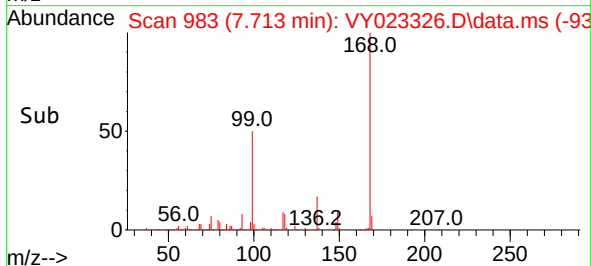
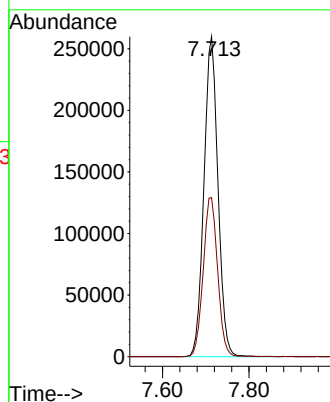
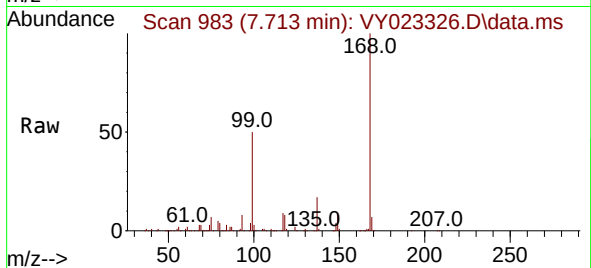




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023326.D
Acq: 10 Sep 2025 12:02

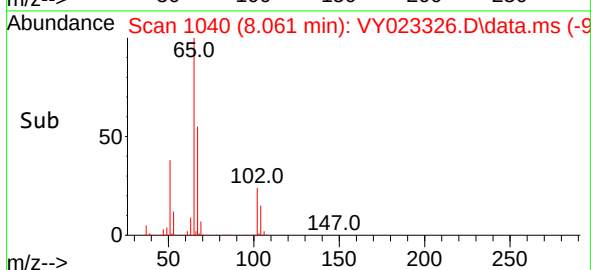
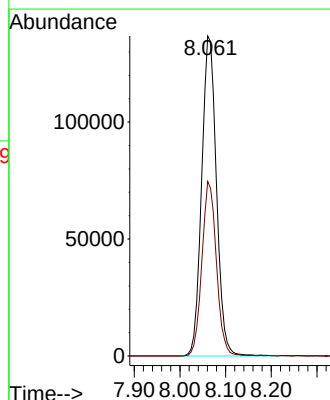
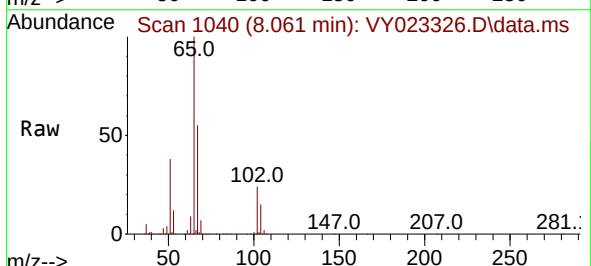
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-090925

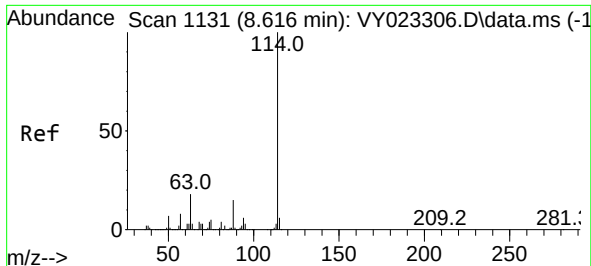
Tgt Ion:168 Resp: 582892
Ion Ratio Lower Upper
168 100
99 49.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 59.910 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023326.D
Acq: 10 Sep 2025 12:02

Tgt Ion: 65 Resp: 306859
Ion Ratio Lower Upper
65 100
67 53.4 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: VY023326.D

Acq: 10 Sep 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-090925

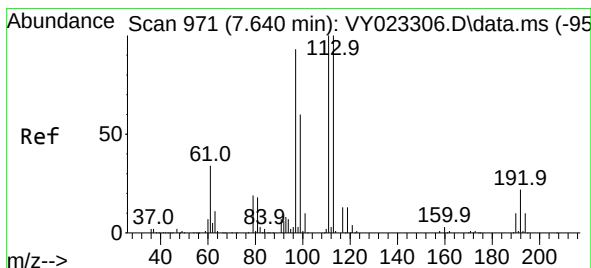
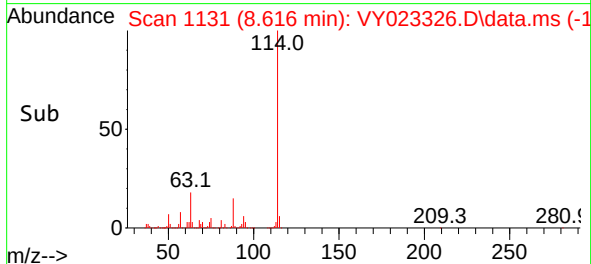
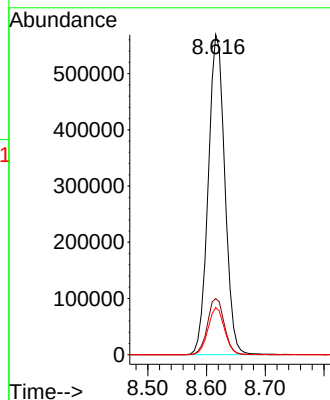
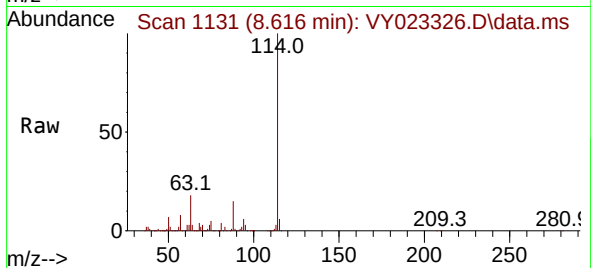
Tgt Ion:114 Resp: 1114914

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

88 14.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.429 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023326.D

Acq: 10 Sep 2025 12:02

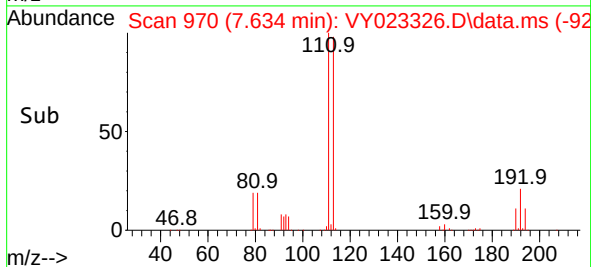
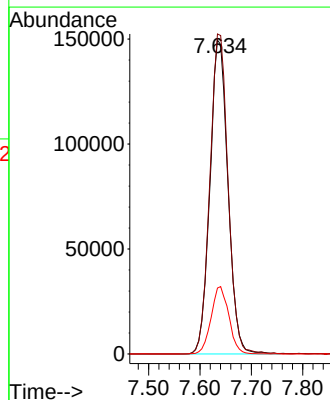
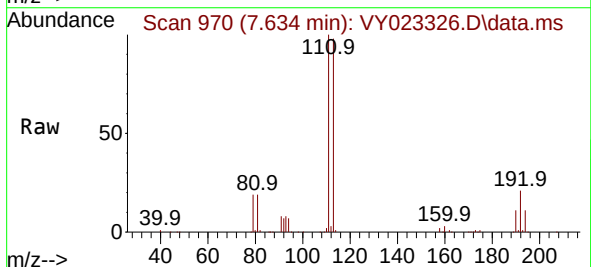
Tgt Ion:113 Resp: 364125

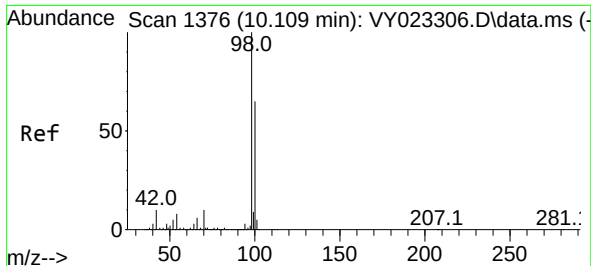
Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

192 21.1 16.2 24.4

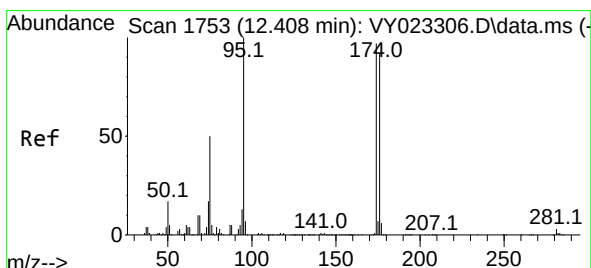
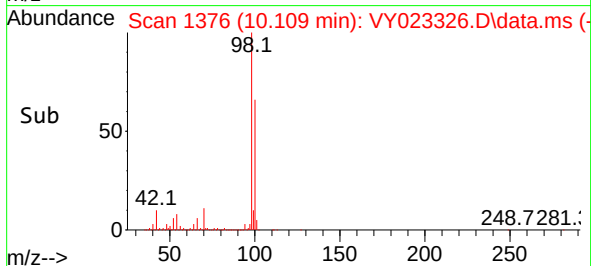
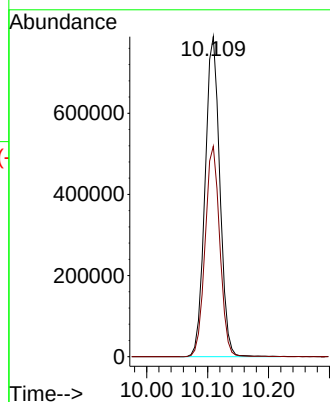
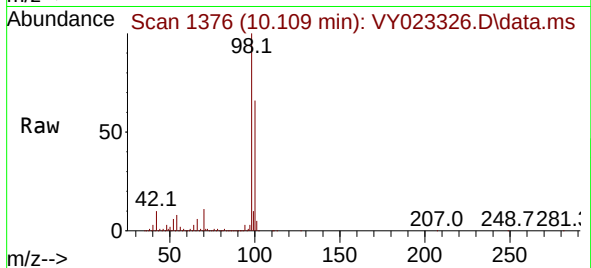




#50
Toluene-d8
Concen: 51.636 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023326.D
Acq: 10 Sep 2025 12:02

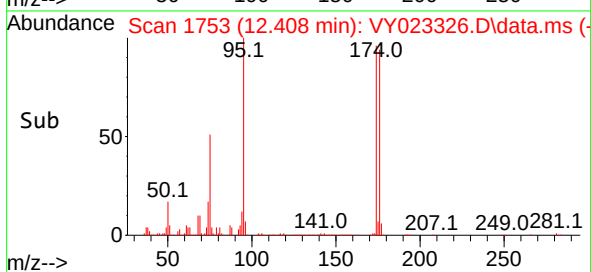
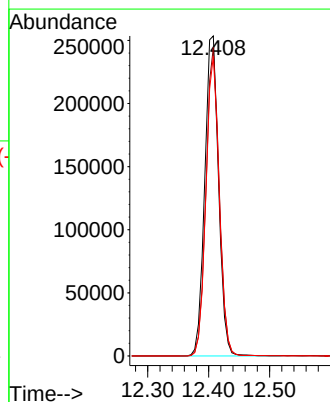
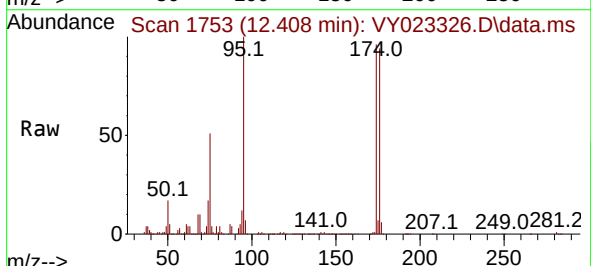
Instrument :
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ClientSampleId :
OK-02-090925

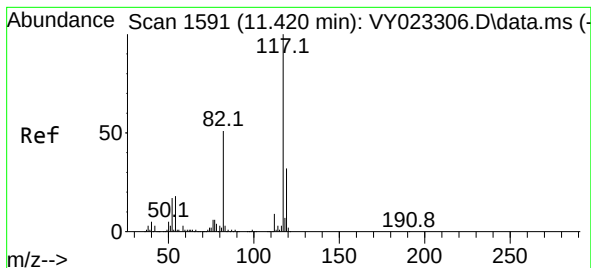
Tgt Ion: 98 Resp: 1328803
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.484 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023326.D
Acq: 10 Sep 2025 12:02

Tgt Ion: 95 Resp: 400746
Ion Ratio Lower Upper
95 100
174 92.5 0.0 171.6
176 90.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023326.D

Acq: 10 Sep 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-090925

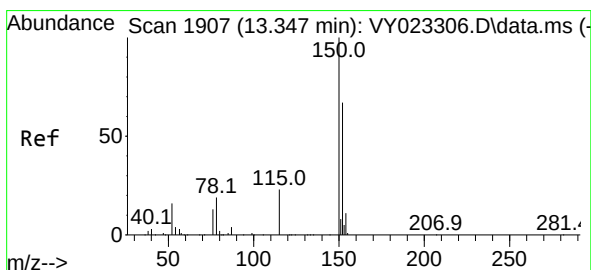
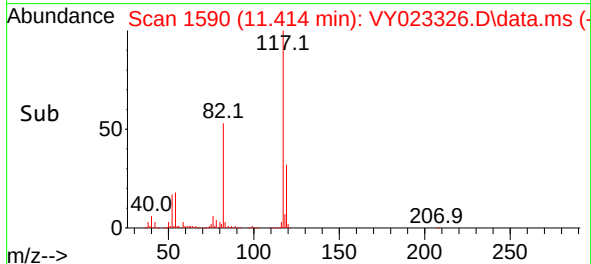
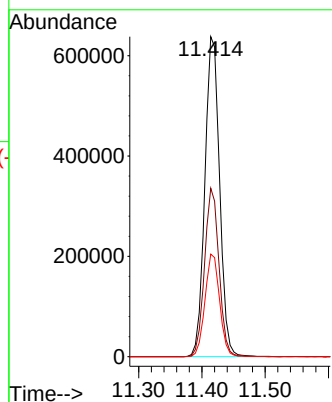
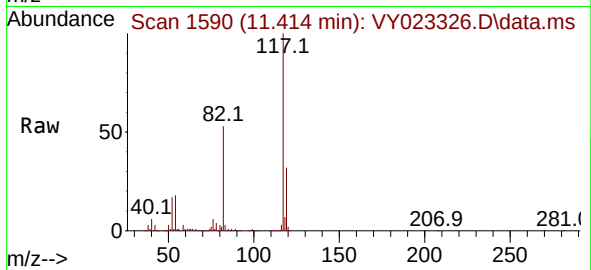
Tgt Ion:117 Resp: 1035508

Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

119 32.1 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023326.D

Acq: 10 Sep 2025 12:02

Tgt Ion:152 Resp: 429758

Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.6

150 155.7 0.0 348.0

