

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023194.D
 Acq On : 22 Aug 2025 15:48
 Operator : SY/MD
 Sample : Q2916-01RE
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-08202025RE

Quant Time: Aug 25 05:18:47 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	78802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	116724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	89118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	25994	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	35240	46.922	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.840%
35) Dibromofluoromethane	7.634	113	43312	62.013	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	124.020%
50) Toluene-d8	10.109	98	131866	48.329	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.660%
62) 4-Bromofluorobenzene	12.401	95	28757	32.772	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	65.540%

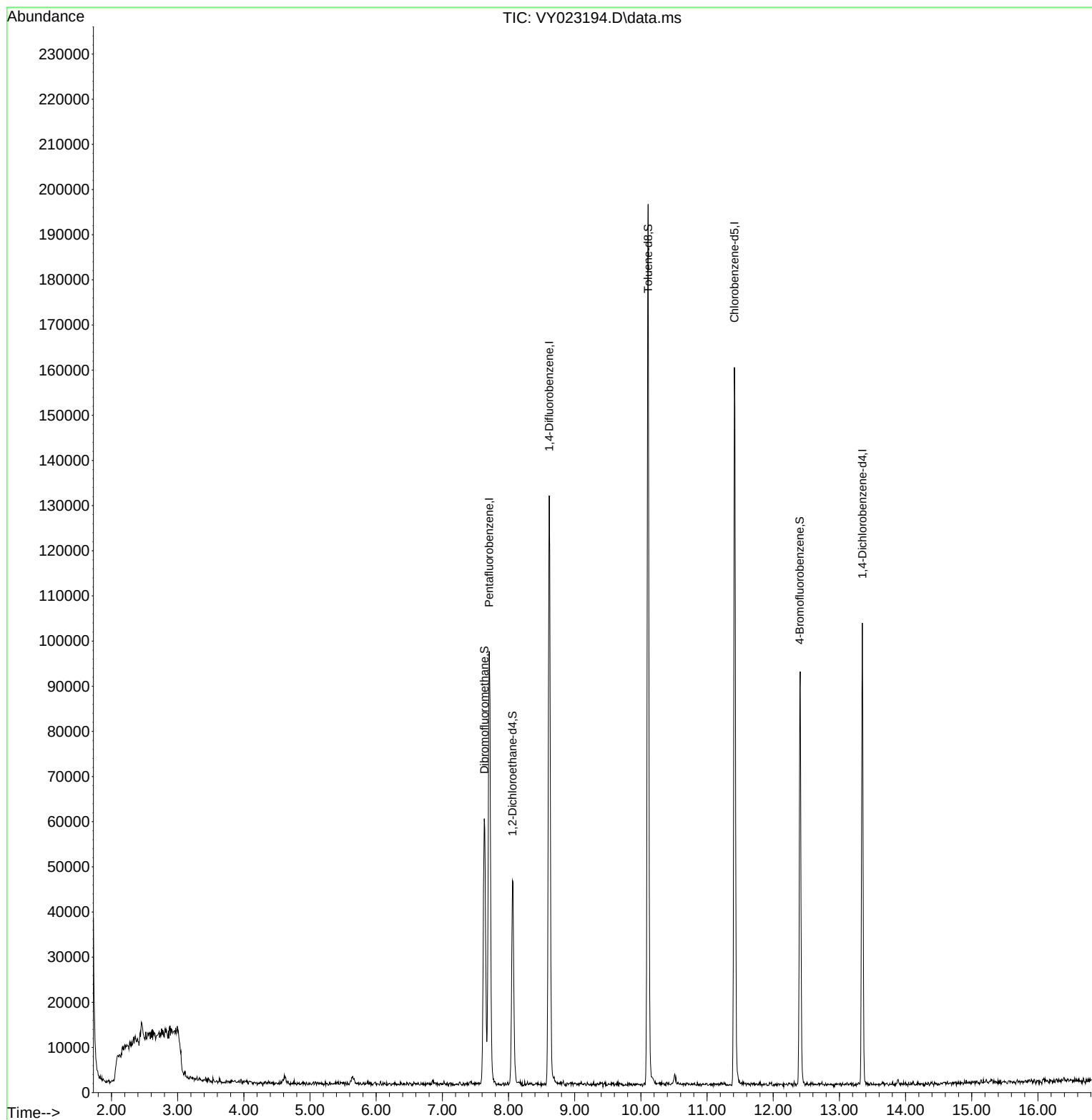
Target Compounds	Qvalue

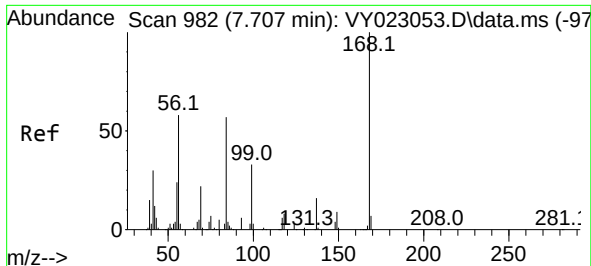
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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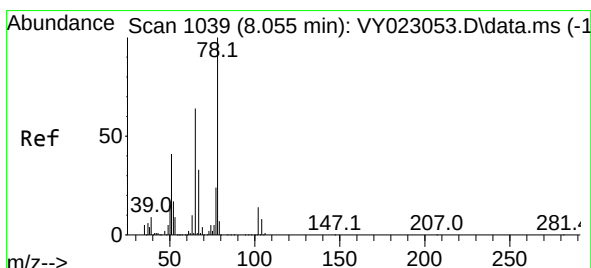
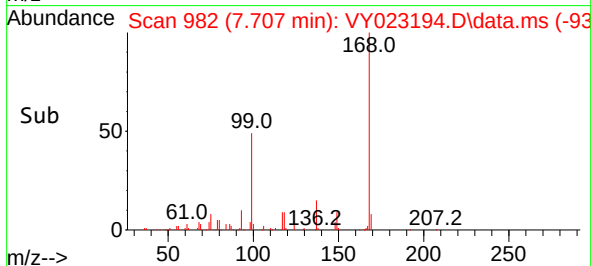
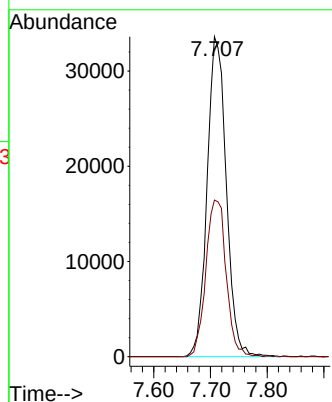
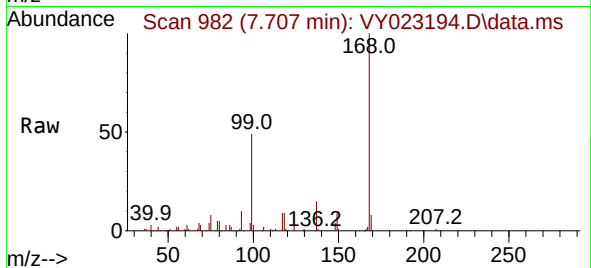




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

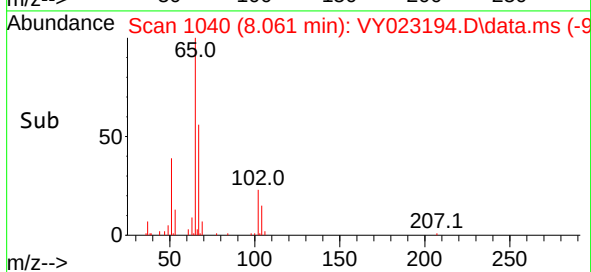
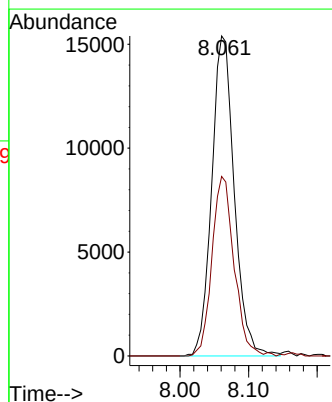
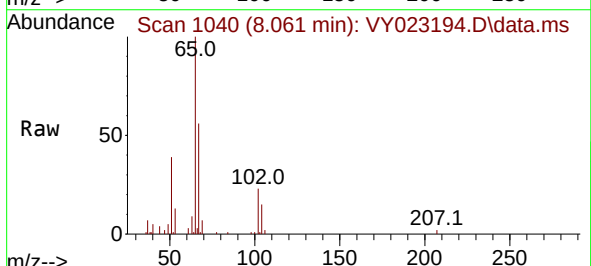
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-08202025RE

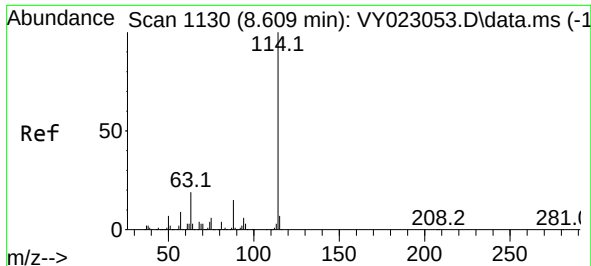
Tgt Ion:168 Resp: 78802
Ion Ratio Lower Upper
168 100
99 48.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 46.922 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

Tgt Ion: 65 Resp: 35240
Ion Ratio Lower Upper
65 100
67 55.0 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023194.D

Acq: 22 Aug 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-08202025RE

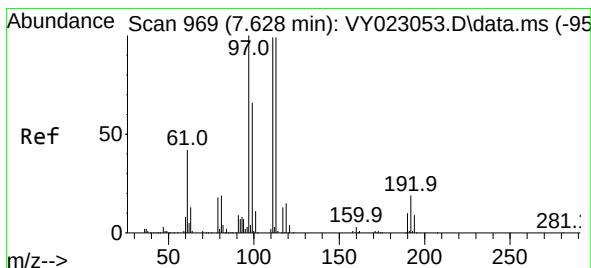
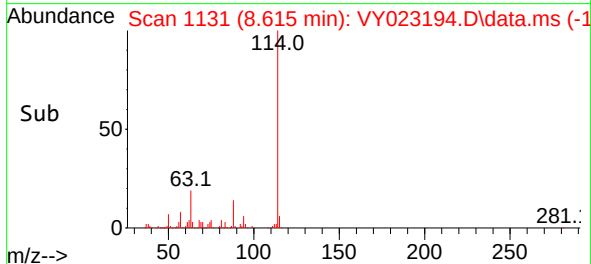
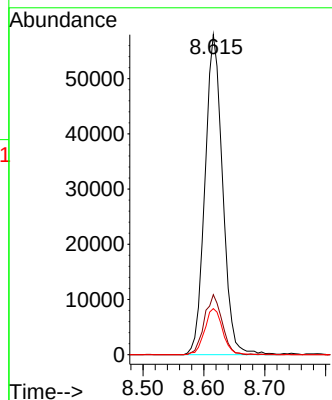
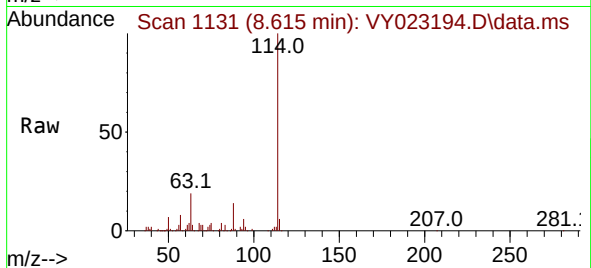
Tgt Ion:114 Resp: 116724

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 14.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 62.013 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023194.D

Acq: 22 Aug 2025 15:48

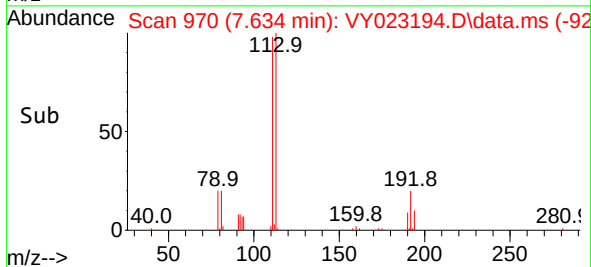
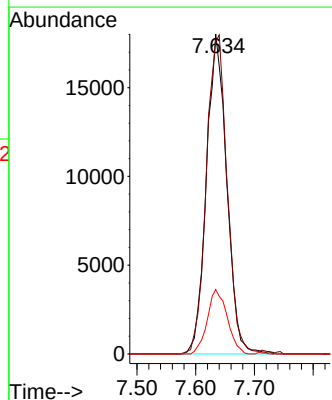
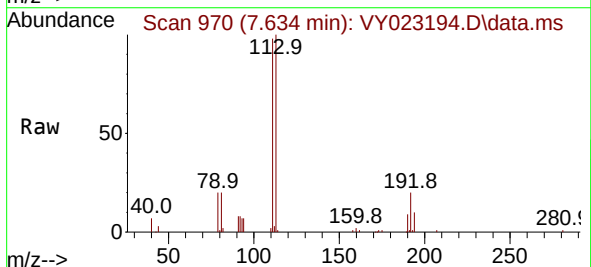
Tgt Ion:113 Resp: 43312

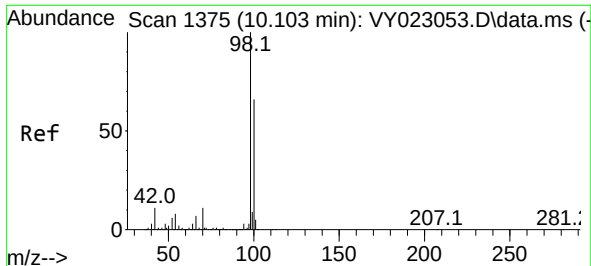
Ion Ratio Lower Upper

113 100

111 101.7 81.1 121.7

192 19.8 16.2 24.4

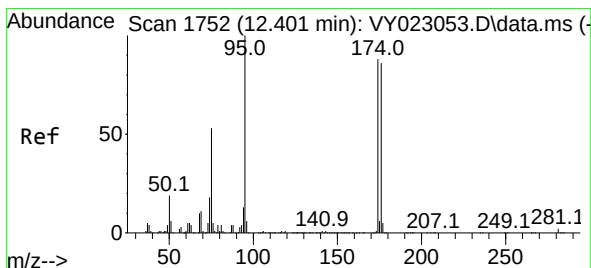
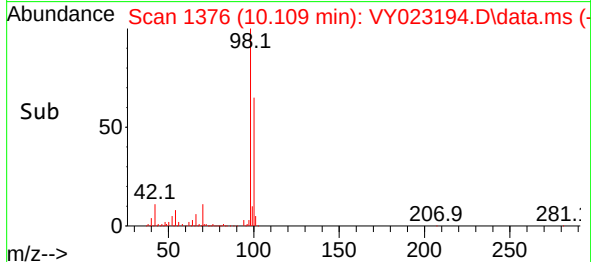
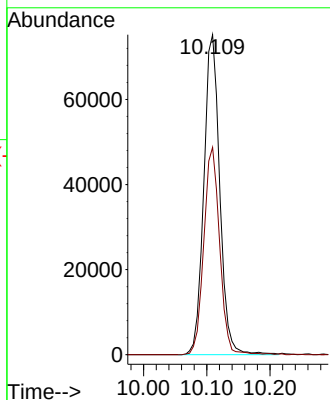
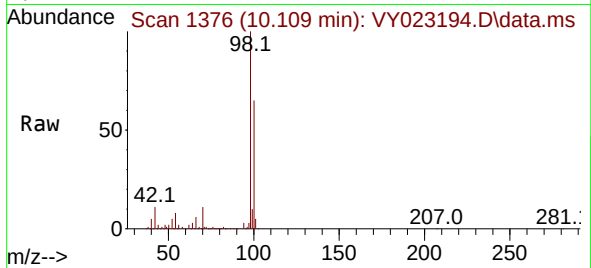




#50
Toluene-d8
Concen: 48.329 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

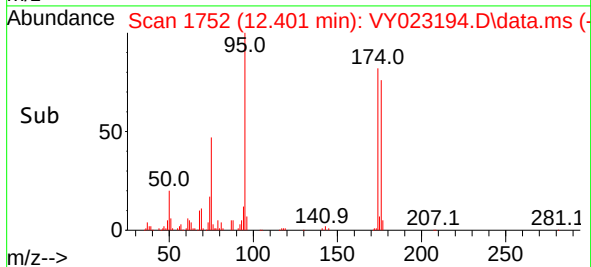
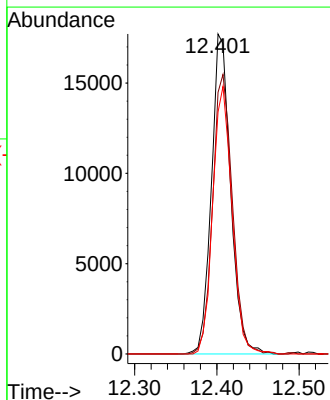
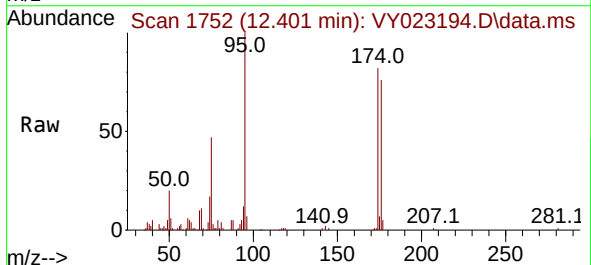
Instrument :
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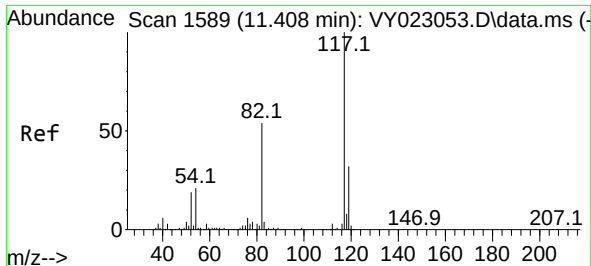
Tgt Ion: 98 Resp: 131866
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 32.772 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023194.D
Acq: 22 Aug 2025 15:48

Tgt Ion: 95 Resp: 28757
Ion Ratio Lower Upper
95 100
174 90.1 0.0 171.6
176 84.4 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: VY023194.D

Acq: 22 Aug 2025 15:48

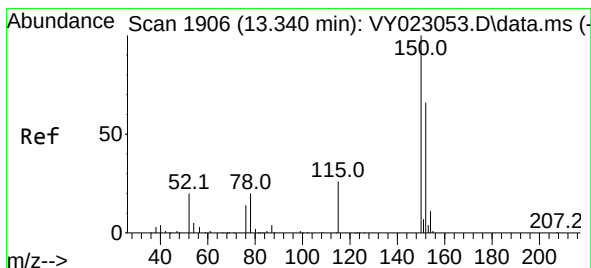
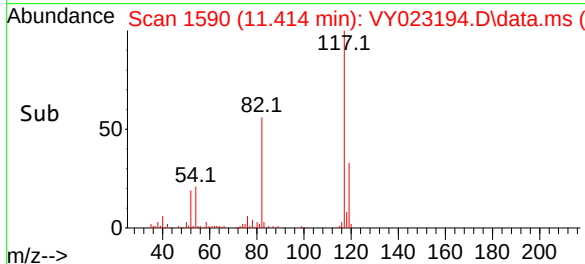
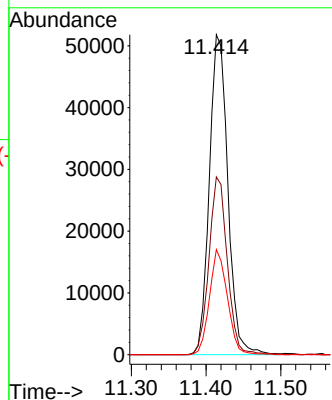
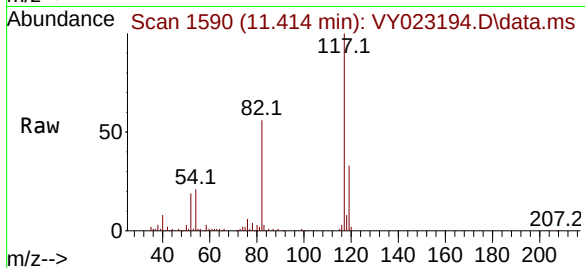
Instrument :

MSVOA_Y

ClientSampleId :

EO-03-08202025RE

Tgt Ion:117	Resp:	89118
Ion Ratio	Lower	Upper
117	100	
82	55.5	43.4 65.0
119	32.9	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: VY023194.D

Acq: 22 Aug 2025 15:48

Tgt Ion:152	Resp:	25994
Ion Ratio	Lower	Upper
152	100	
115	58.8	28.2 84.6
150	160.3	0.0 348.0

