

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022639.D
 Acq On : 10 Jun 2025 10:20
 Operator : SY/MD
 Sample : VY0610SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0610SBL01

Quant Time: Jun 11 01:46:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	238087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	437151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	353511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	122259	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	137102	51.487	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.980%
35) Dibromofluoromethane	7.640	113	133210	51.053	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.100%
50) Toluene-d8	10.109	98	529793	50.250	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.500%
62) 4-Bromofluorobenzene	12.408	95	127448	40.572	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.140%

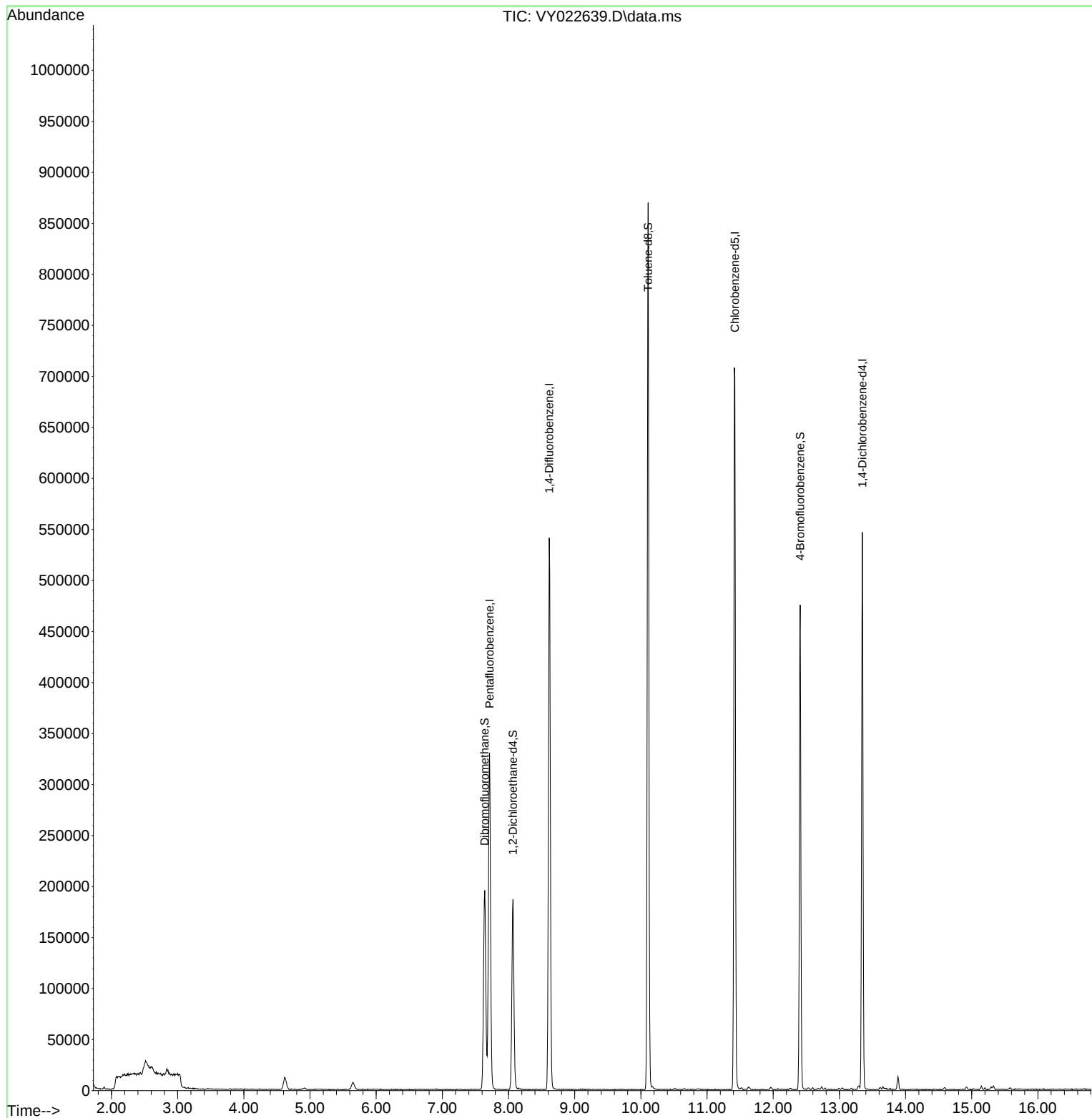
Target Compounds	Qvalue

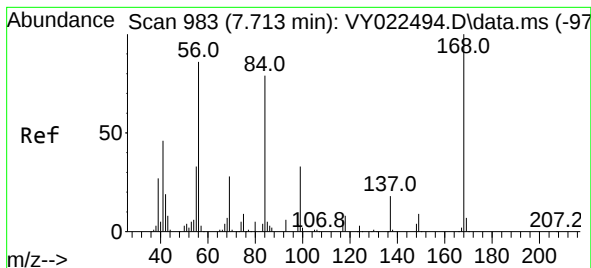
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY022639.D

Acq: 10 Jun 2025 10:20

Instrument :

MSVOA_Y

ClientSampleId :

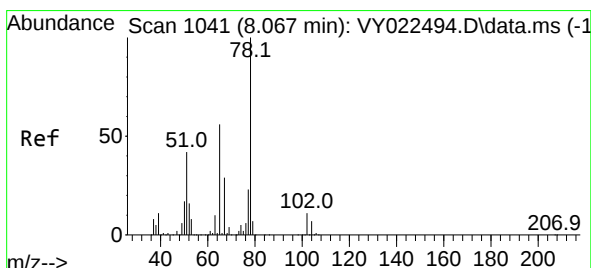
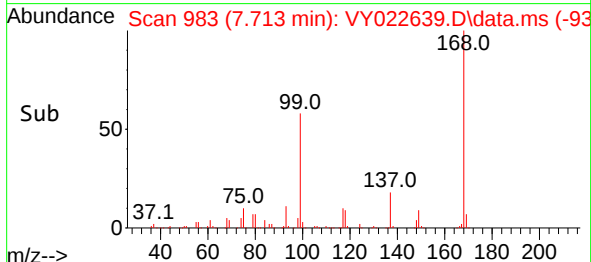
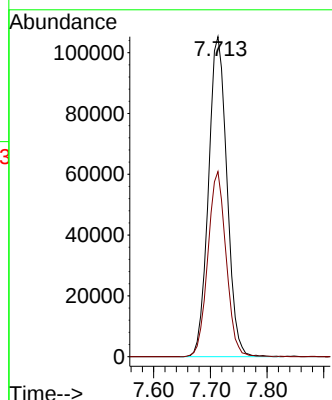
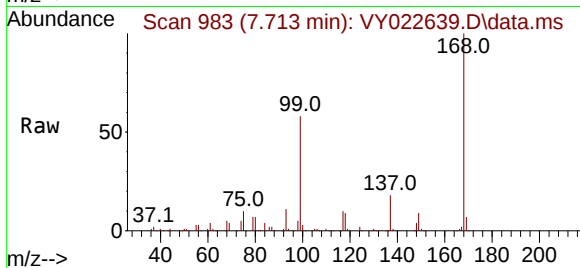
VY0610SBL01

Tgt Ion:168 Resp: 238087

Ion Ratio Lower Upper

168 100

99 57.9 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 51.487 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY022639.D

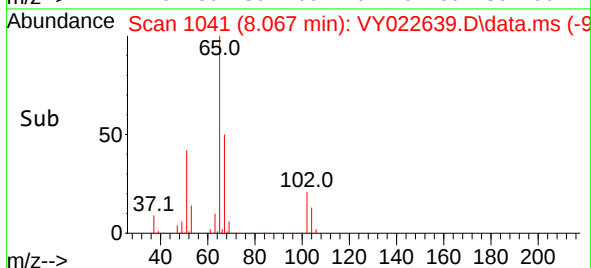
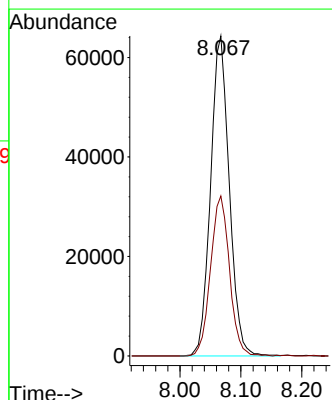
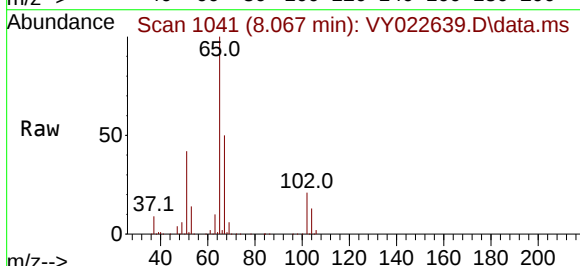
Acq: 10 Jun 2025 10:20

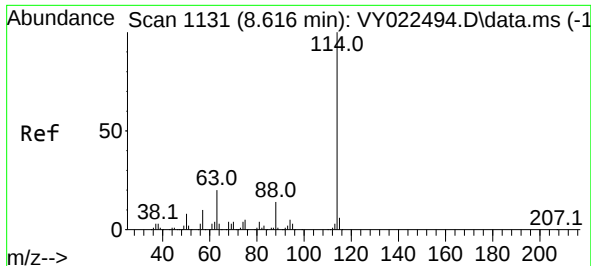
Tgt Ion: 65 Resp: 137102

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.4

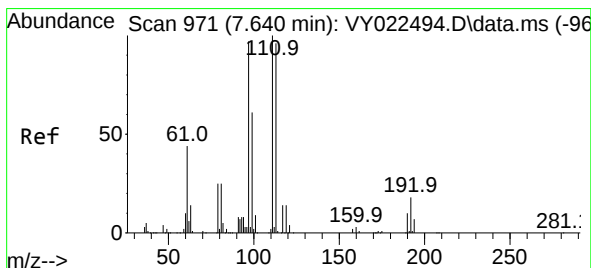
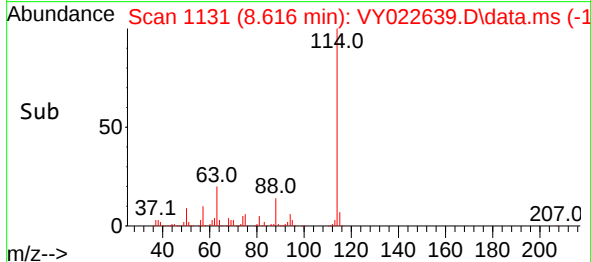
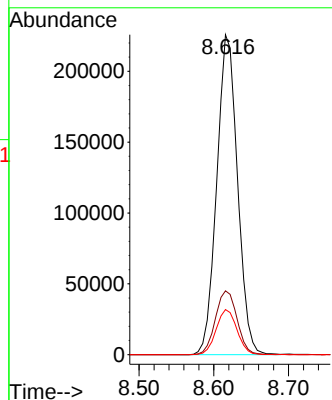
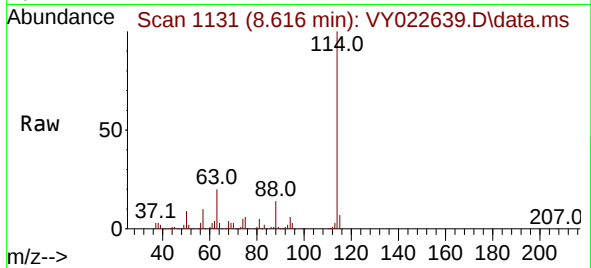




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022639.D
Acq: 10 Jun 2025 10:20

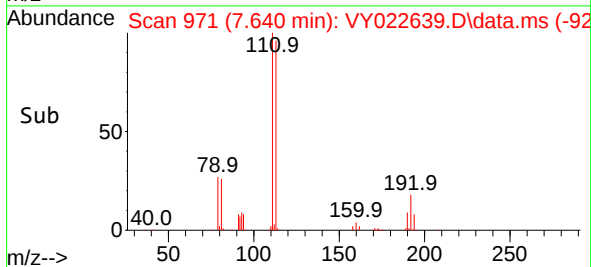
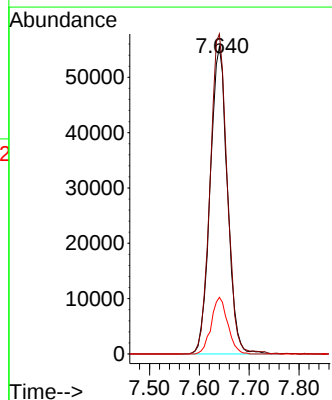
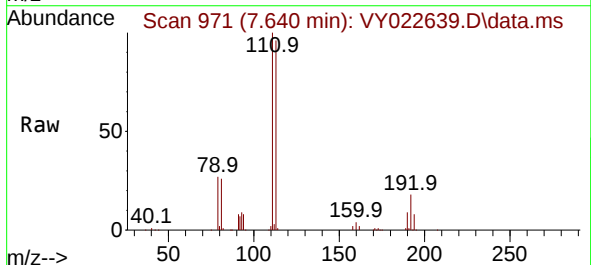
Instrument :
MSVOA_Y
ClientSampleId :
VY0610SBL01

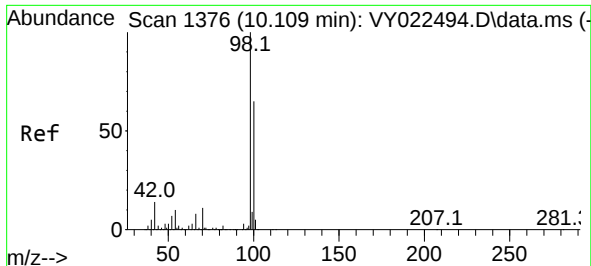
Tgt Ion:114 Resp: 437151
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 14.1 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.053 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022639.D
Acq: 10 Jun 2025 10:20

Tgt Ion:113 Resp: 133210
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 17.6 14.2 21.2

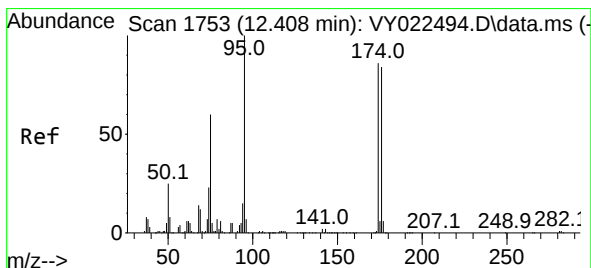
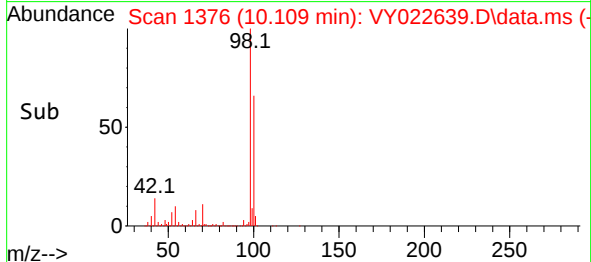
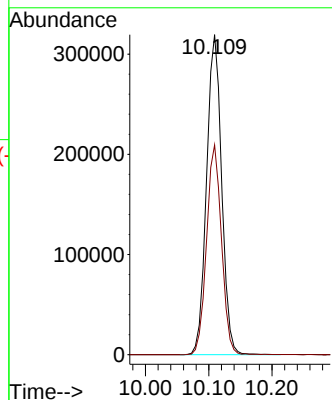
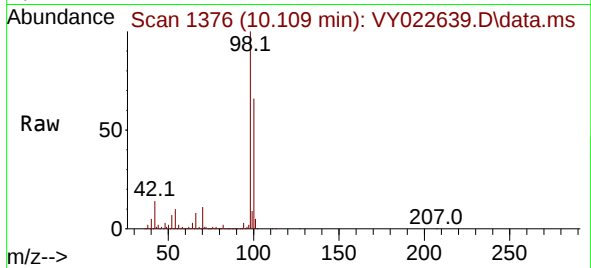




#50
Toluene-d8
Concen: 50.250 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022639.D
Acq: 10 Jun 2025 10:20

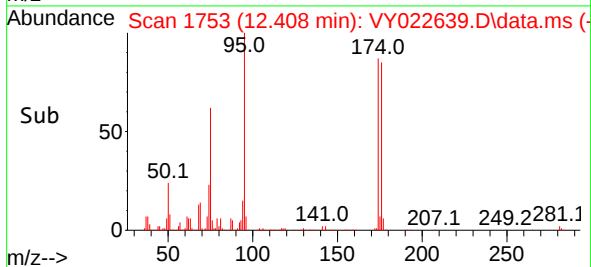
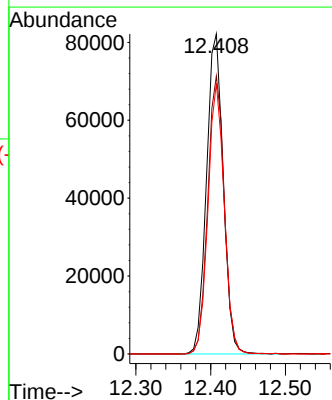
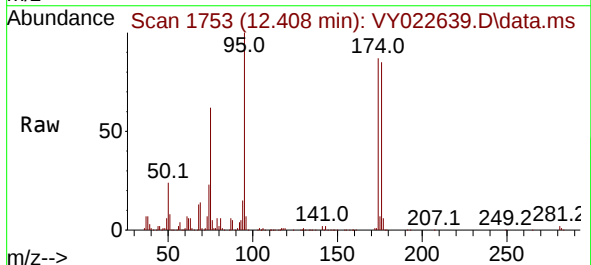
Instrument :
MSVOA_Y
ClientSampleId :
VY0610SBL01

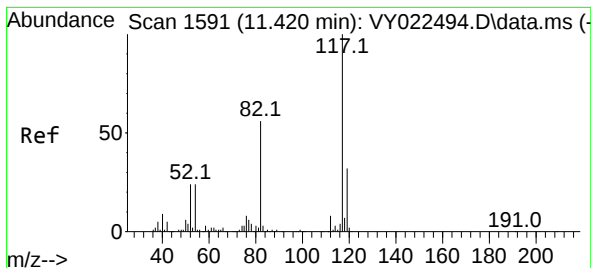
Tgt Ion: 98 Resp: 529793
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 40.572 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022639.D
Acq: 10 Jun 2025 10:20

Tgt Ion: 95 Resp: 127448
Ion Ratio Lower Upper
95 100
174 86.5 0.0 170.0
176 82.3 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022639.D

Acq: 10 Jun 2025 10:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0610SBL01

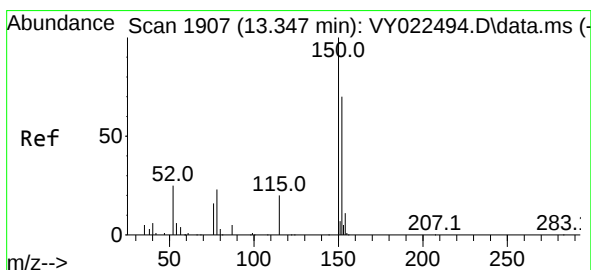
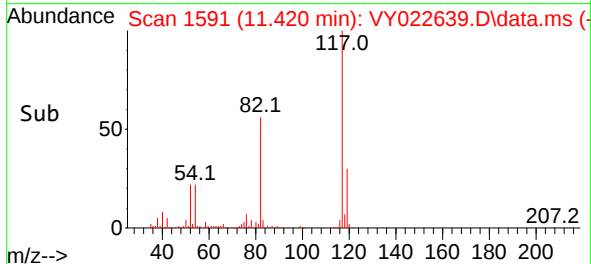
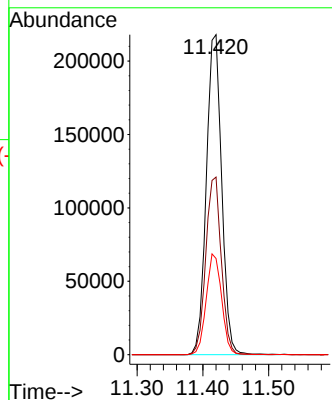
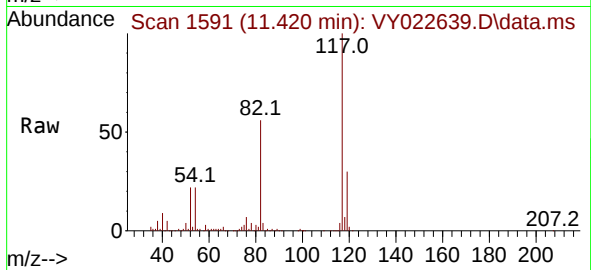
Tgt Ion:117 Resp: 353511

Ion Ratio Lower Upper

117 100

82 55.5 44.6 66.8

119 30.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022639.D

Acq: 10 Jun 2025 10:20

Tgt Ion:152 Resp: 122259

Ion Ratio Lower Upper

152 100

115 56.7 28.9 86.7

150 156.0 0.0 349.6

