

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022771.D
 Acq On : 20 Jun 2025 18:16
 Operator : SY/MD
 Sample : Q2381-05
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11929

Quant Time: Jun 21 02:43:26 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	7.707	168	97069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	182641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	150205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	53722	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	57706	53.153	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.300%
35) Dibromofluoromethane	7.640	113	55300	50.727	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.460%
50) Toluene-d8	10.109	98	216830	49.225	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.402	95	54018	41.159	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.320%

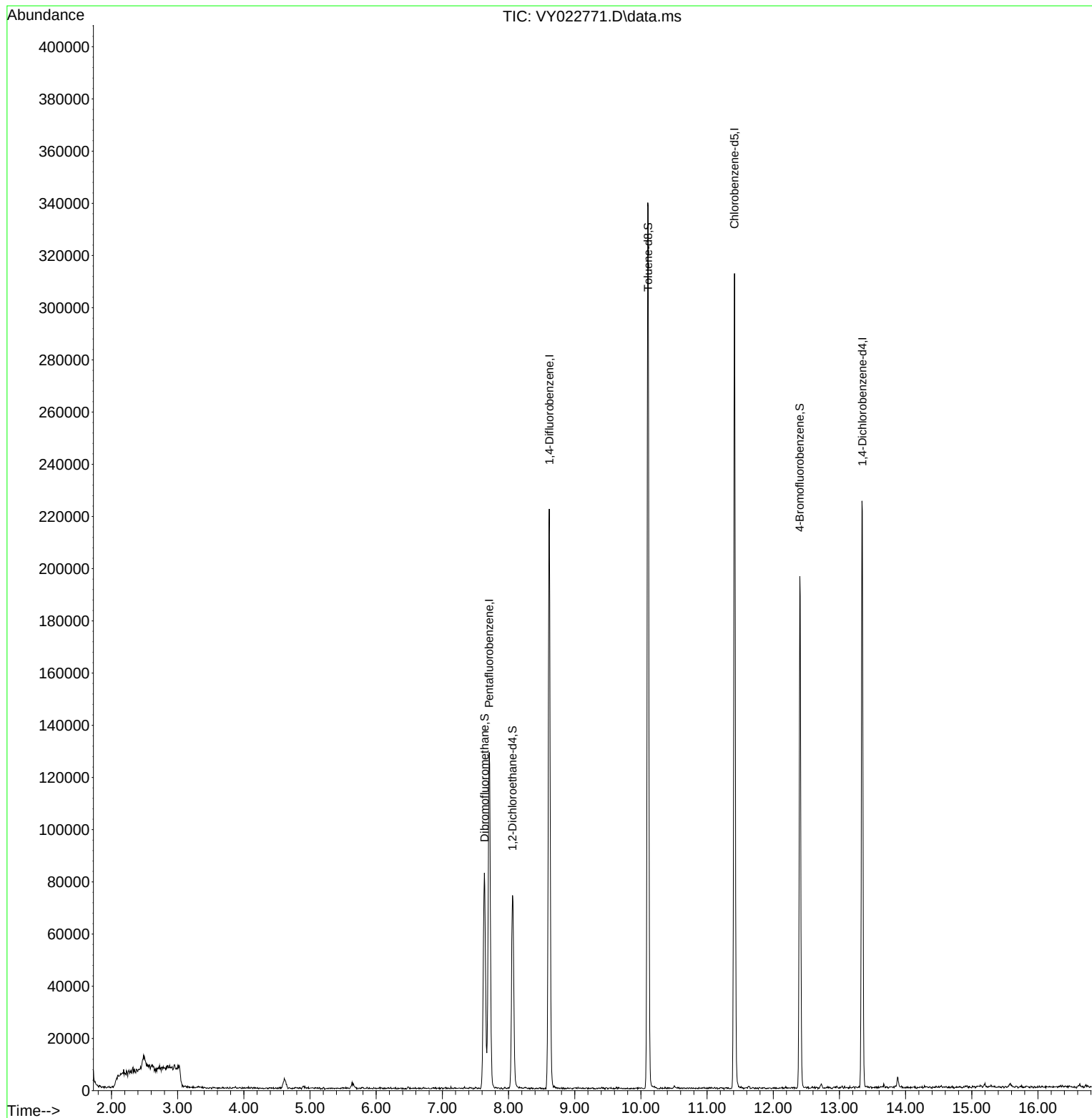
Target Compounds	Qvalue

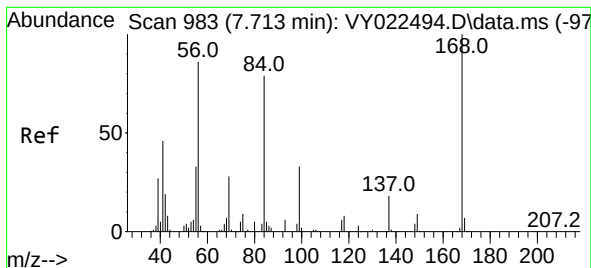
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022771.D

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Instrument :

MSVOA_Y

ClientSampleId :

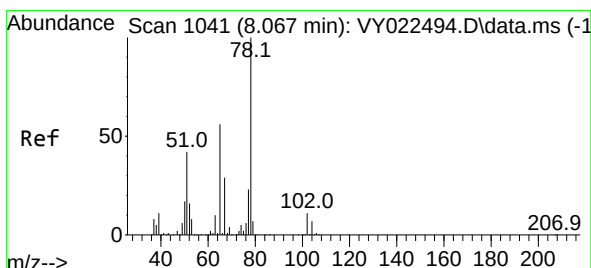
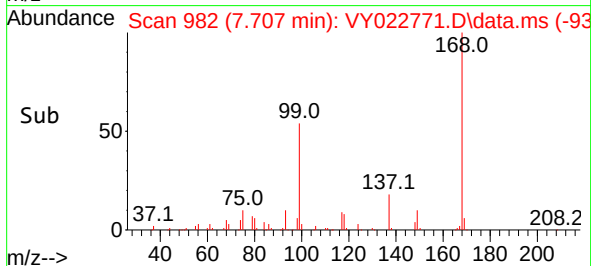
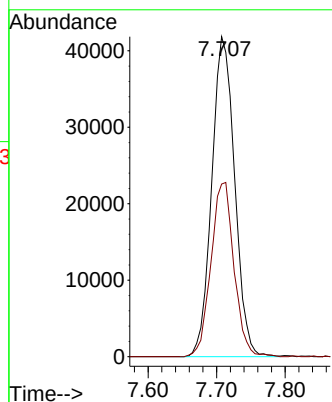
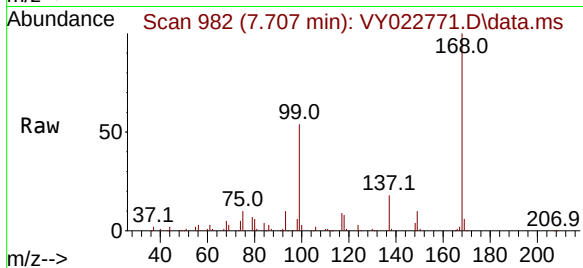
72-11929

Tgt Ion:168 Resp: 97069

Ion Ratio Lower Upper

168 100

99 54.0 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 53.153 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022771.D

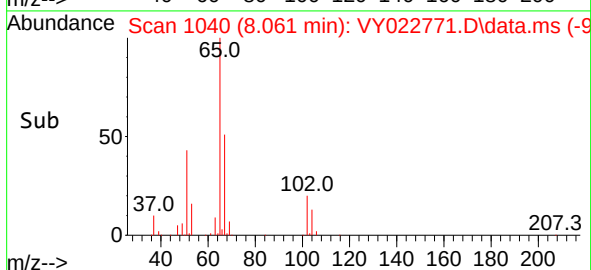
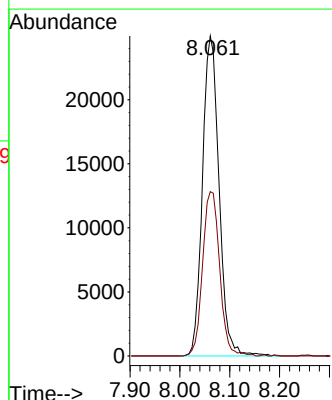
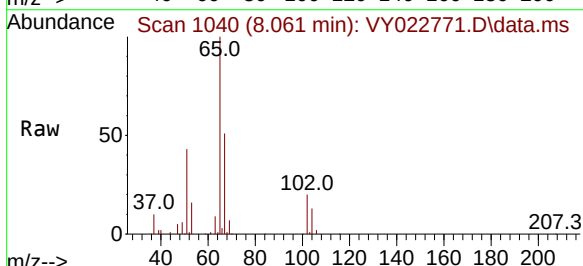
Acq: 20 Jun 2025 18:16

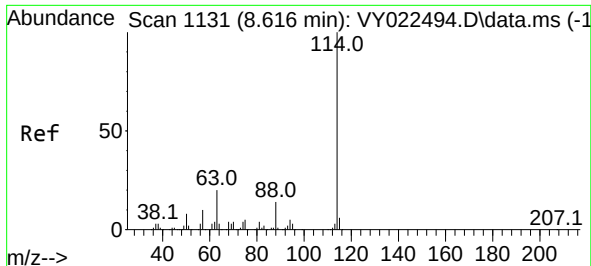
Tgt Ion: 65 Resp: 57706

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4

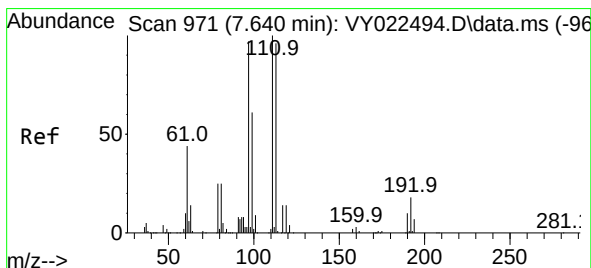
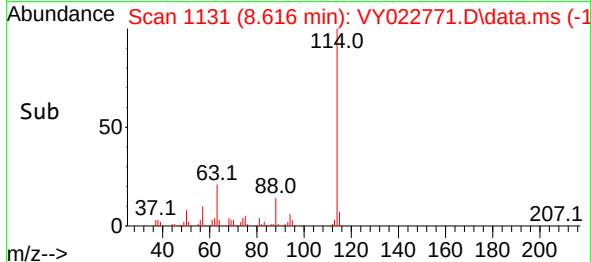
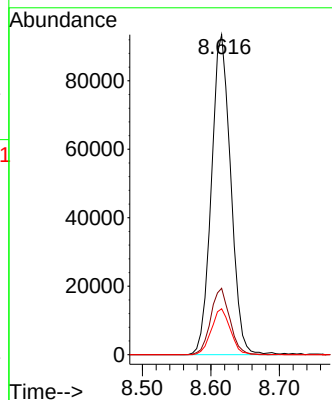
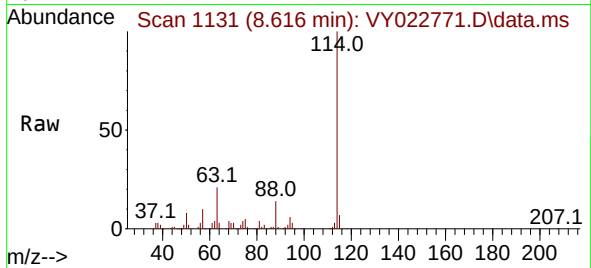




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022771.D
Acq: 20 Jun 2025 18:16

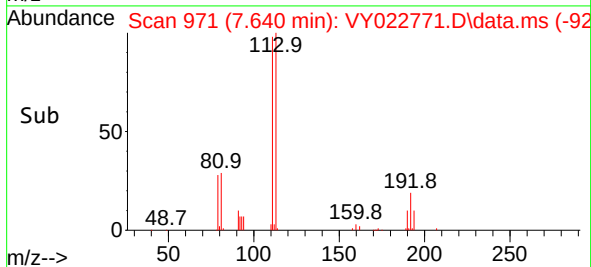
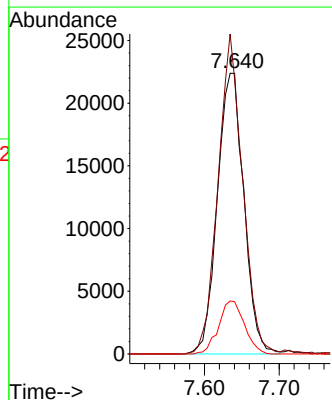
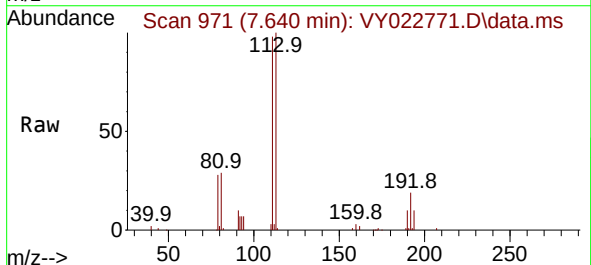
Instrument :
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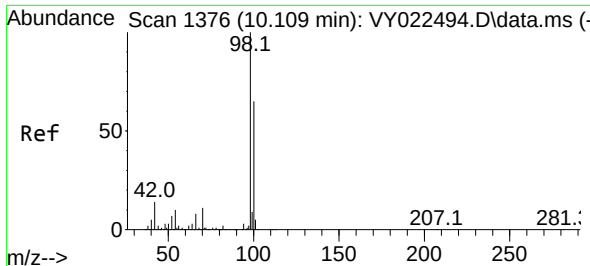
Tgt Ion:114 Resp: 182641
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 14.3 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.727 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022771.D
Acq: 20 Jun 2025 18:16

Tgt Ion:113 Resp: 55300
Ion Ratio Lower Upper
113 100
111 105.2 81.1 121.7
192 18.4 14.2 21.2

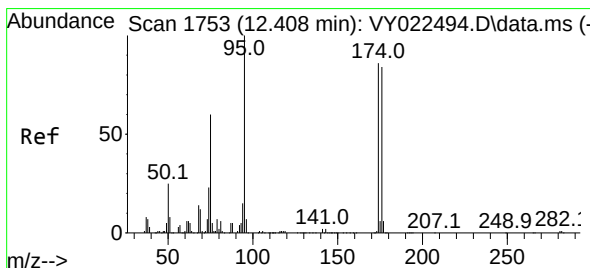
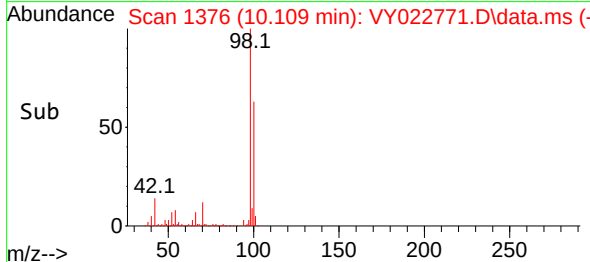
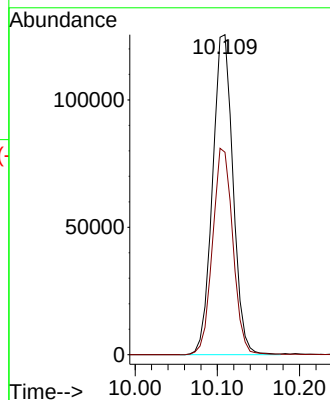
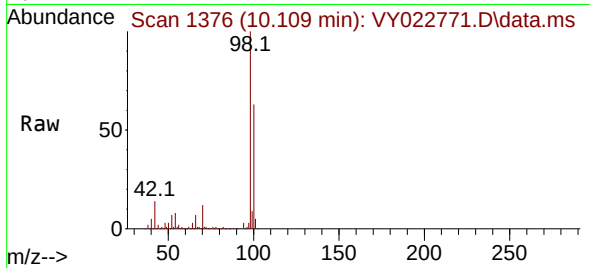




#50
Toluene-d8
Concen: 49.225 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022771.D
Acq: 20 Jun 2025 18:16

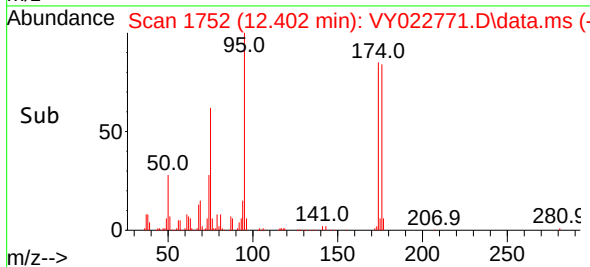
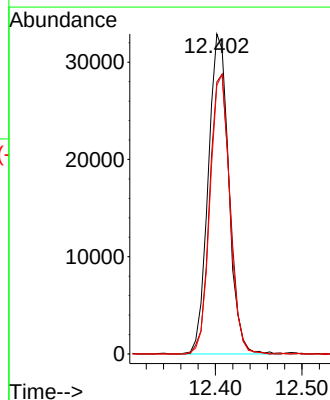
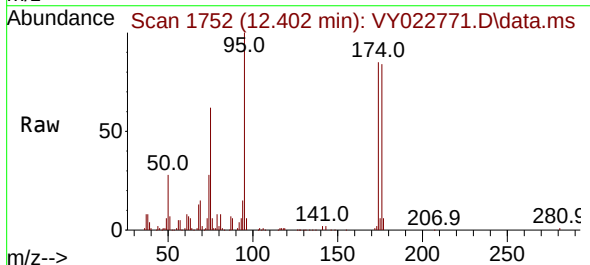
Instrument :
MSVOA_Y
ClientSampleId :
72-11929

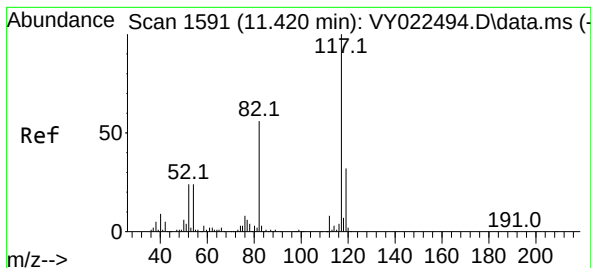
Tgt Ion: 98 Resp: 216830
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 41.159 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022771.D
Acq: 20 Jun 2025 18:16

Tgt Ion: 95 Resp: 54018
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.0
176 84.1 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022771.D

Acq: 20 Jun 2025 18:16

Instrument :

MSVOA_Y

ClientSampleId :

72-11929

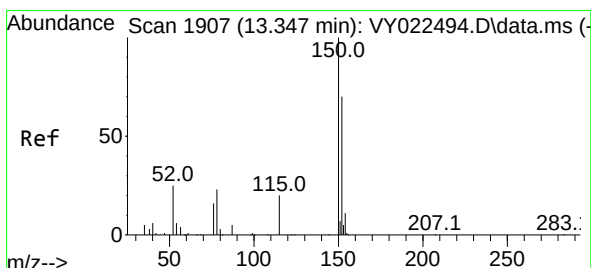
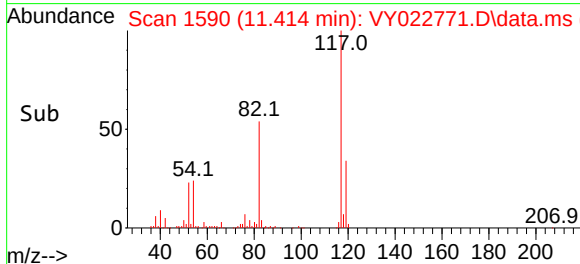
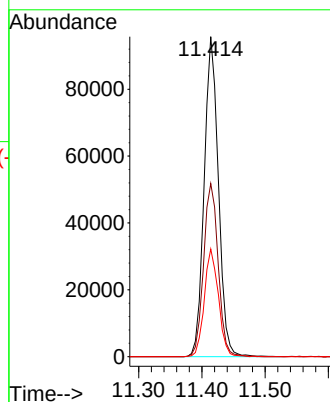
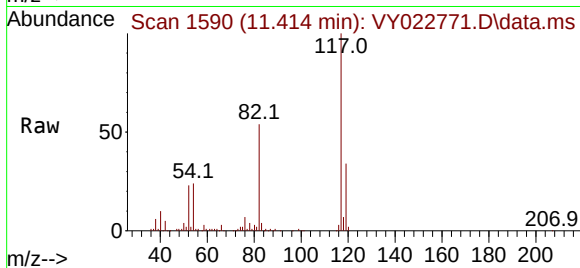
Tgt Ion:117 Resp: 150205

Ion Ratio Lower Upper

117 100

82 54.1 44.6 66.8

119 33.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022771.D

Acq: 20 Jun 2025 18:16

Tgt Ion:152 Resp: 53722

Ion Ratio Lower Upper

152 100

115 55.4 28.9 86.7

150 154.5 0.0 349.6

