

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022770.D
 Acq On : 20 Jun 2025 17:52
 Operator : SY/MD
 Sample : Q2381-03
 Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-207

Quant Time: Jun 21 02:43:05 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	96856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	180670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	150542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	54405	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	58155	53.684	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.360%
35) Dibromofluoromethane	7.634	113	56966	52.825	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.660%
50) Toluene-d8	10.109	98	218216	50.080	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.160%
62) 4-Bromofluorobenzene	12.401	95	56369	43.419	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.840%

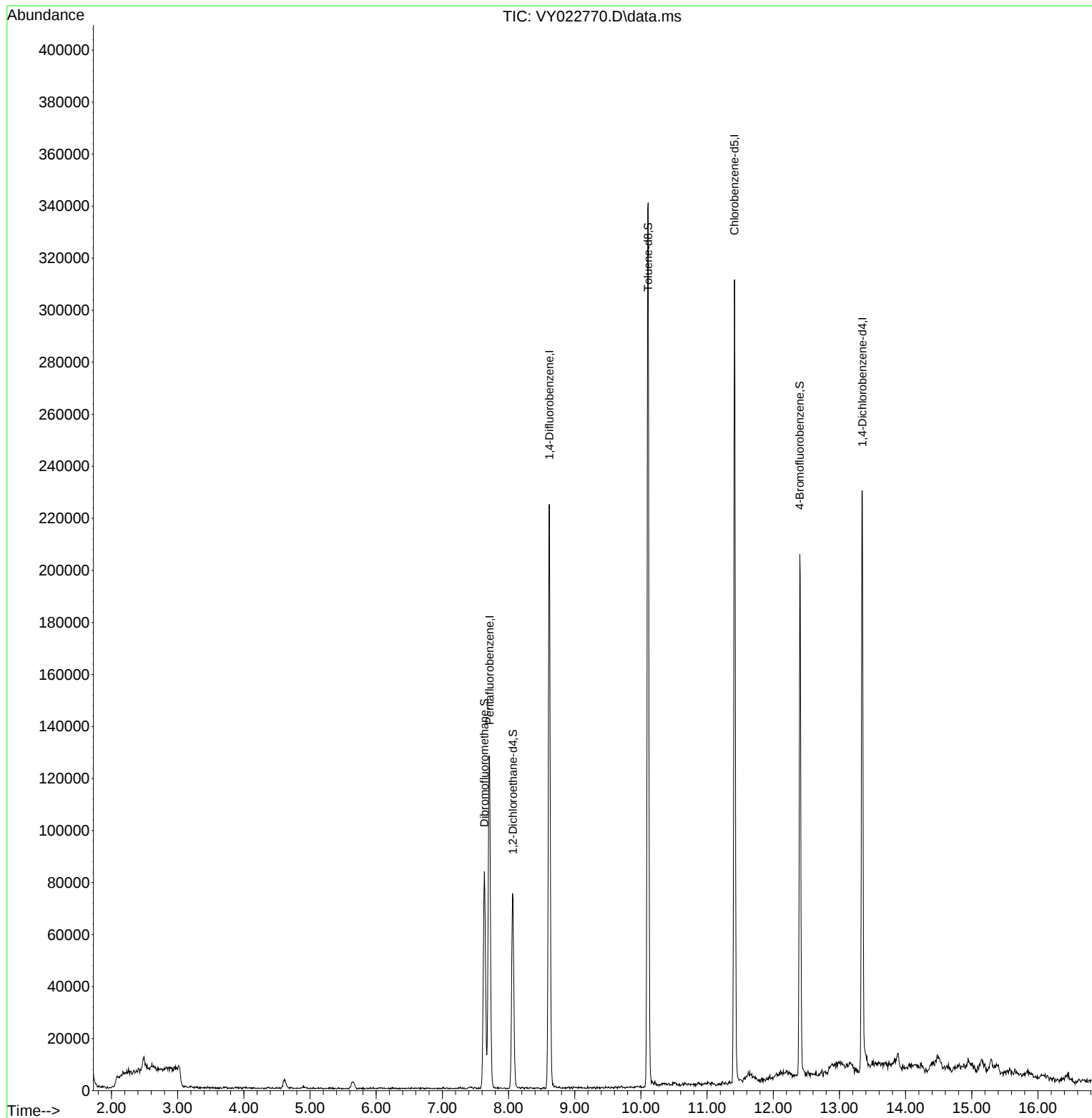
Target Compounds	Qvalue

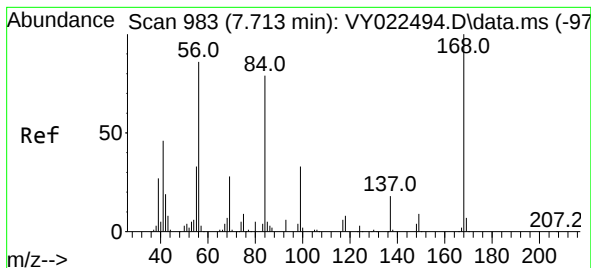
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY022770.D

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Instrument :

MSVOA_Y

ClientSampleId :

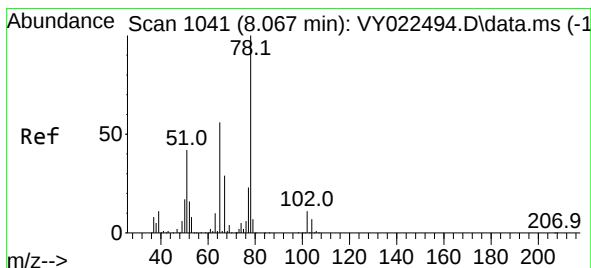
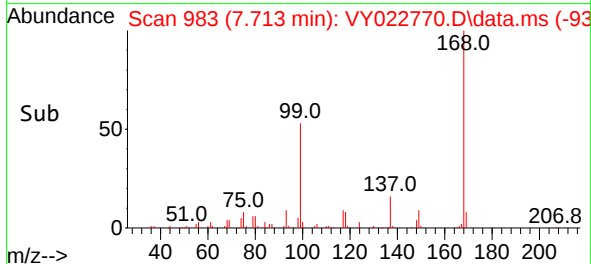
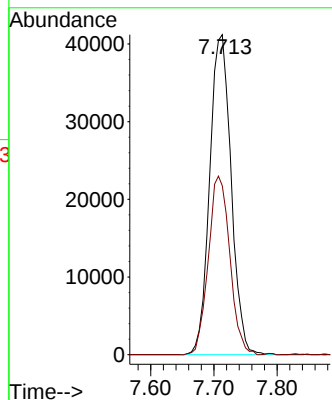
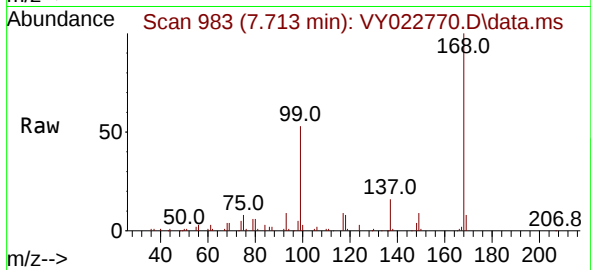
VNJ-207

Tgt Ion:168 Resp: 96856

Ion Ratio Lower Upper

168 100

99 52.8 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 53.684 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY022770.D

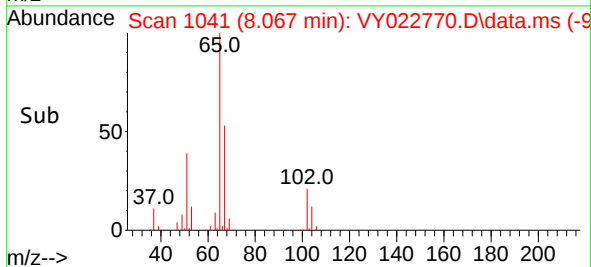
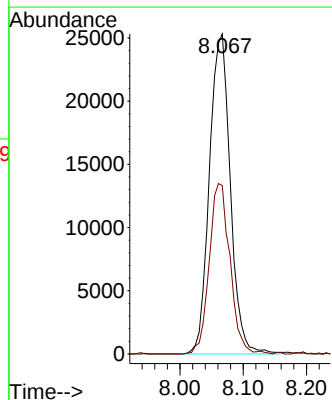
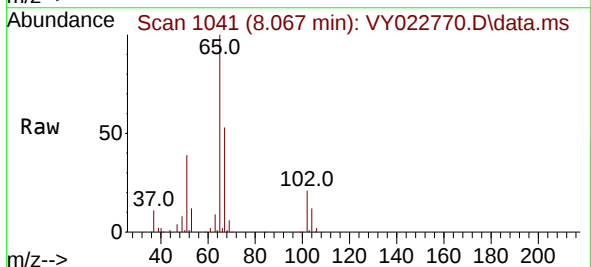
Acq: 20 Jun 2025 17:52

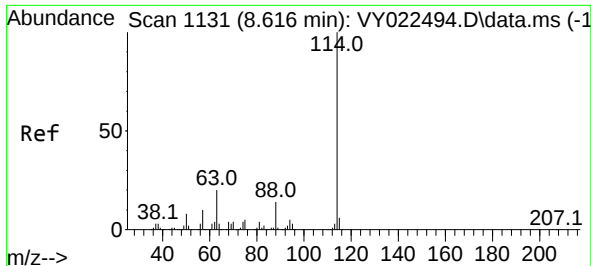
Tgt Ion: 65 Resp: 58155

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4

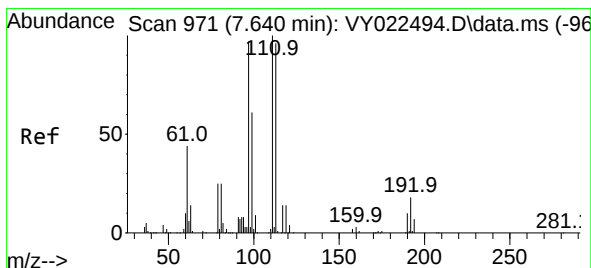
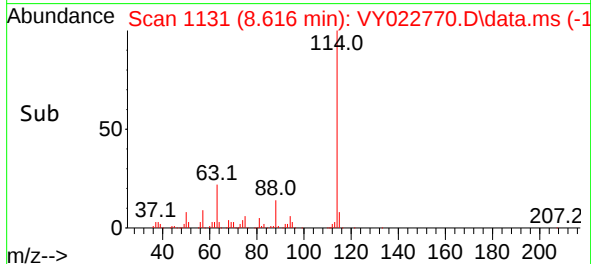
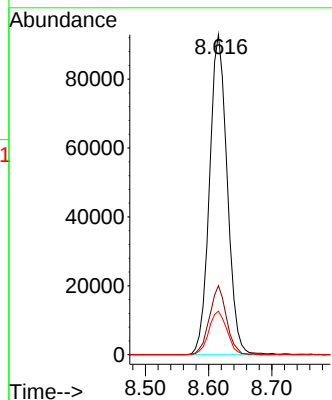
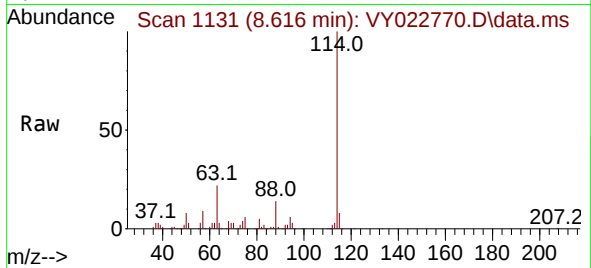




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

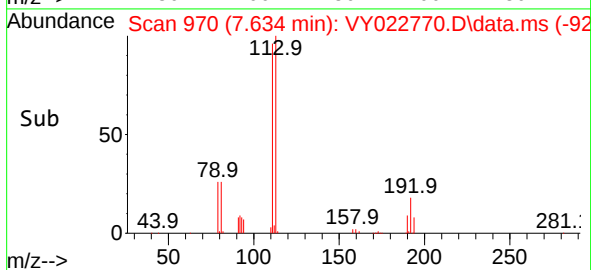
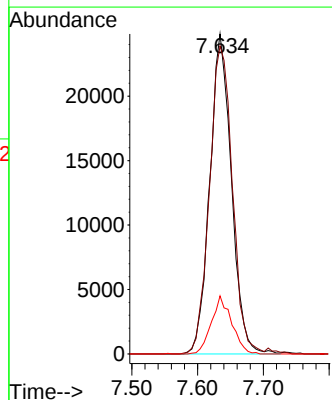
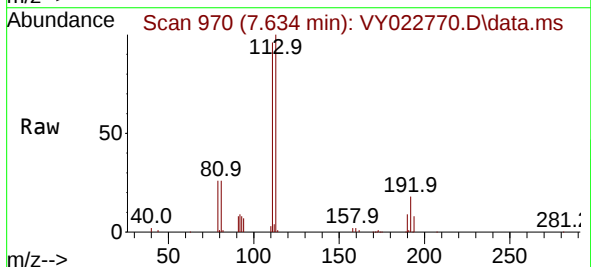
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VNJ-207

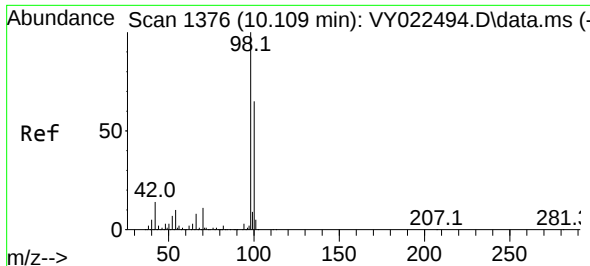
Tgt Ion:114 Resp: 180670
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 13.6 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.825 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

Tgt Ion:113 Resp: 56966
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 17.0 14.2 21.2

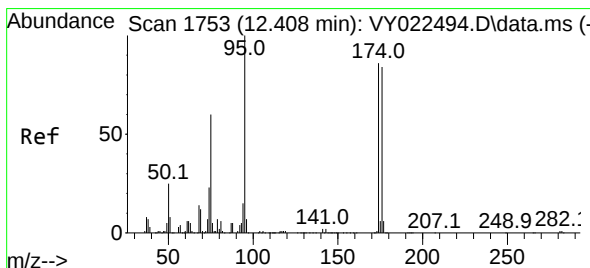
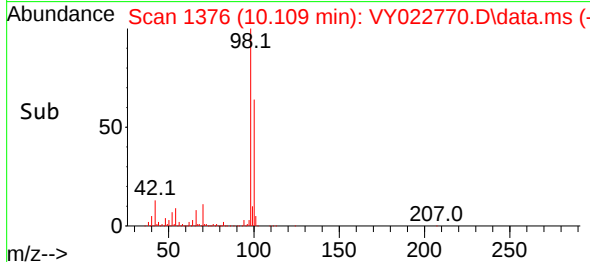
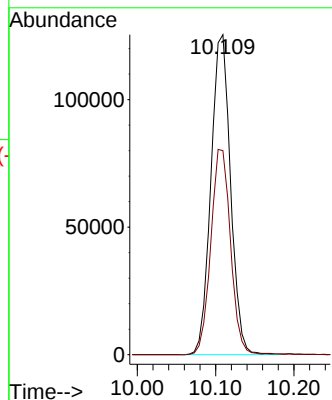
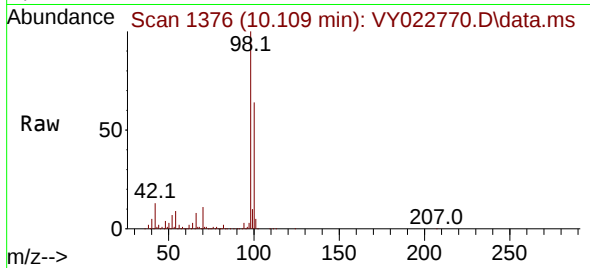




#50
Toluene-d8
Concen: 50.080 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

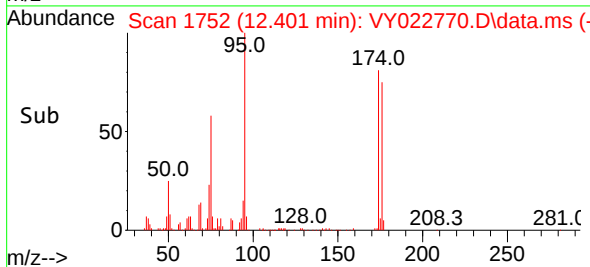
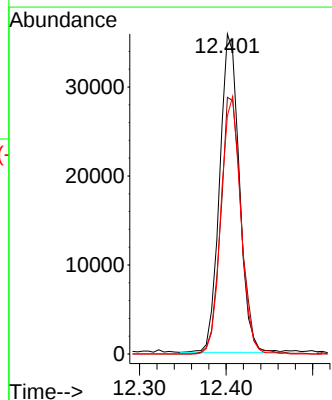
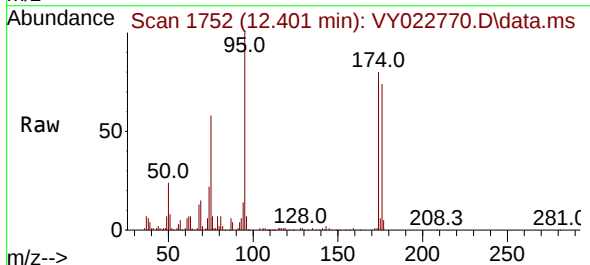
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

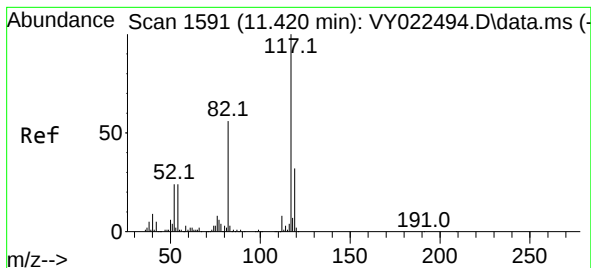
Tgt Ion: 98 Resp: 218216
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.419 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022770.D
Acq: 20 Jun 2025 17:52

Tgt Ion: 95 Resp: 56369
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 81.3 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022770.D

Acq: 20 Jun 2025 17:52

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

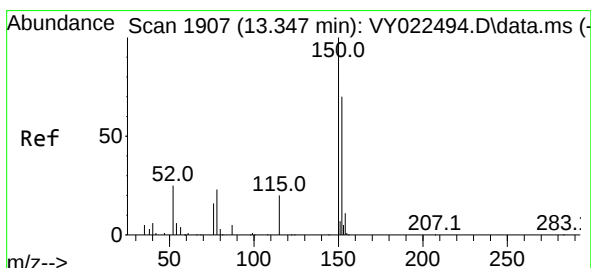
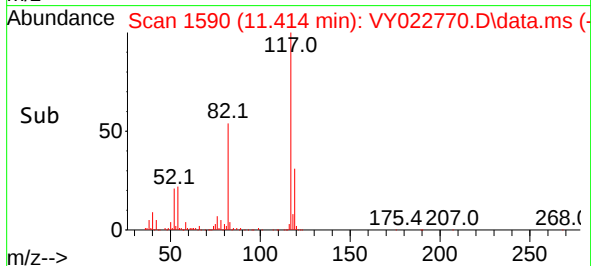
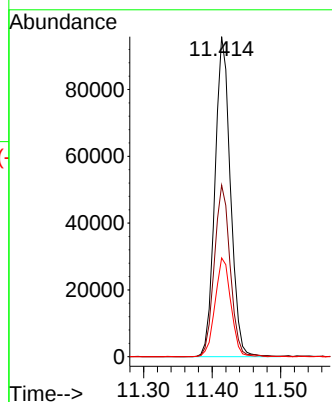
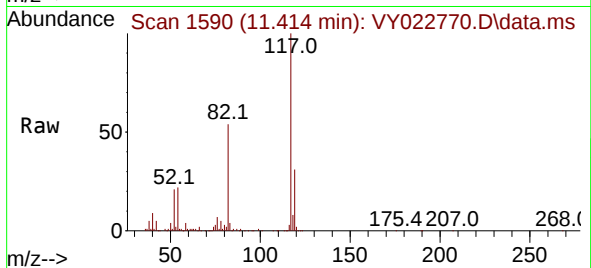
Tgt Ion:117 Resp: 150542

Ion Ratio Lower Upper

117 100

82 53.6 44.6 66.8

119 30.8 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: VY022770.D

Acq: 20 Jun 2025 17:52

Tgt Ion:152 Resp: 54405

Ion Ratio Lower Upper

152 100

115 57.1 28.9 86.7

150 152.3 0.0 349.6

