

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022765.D
 Acq On : 20 Jun 2025 15:55
 Operator : SY/MD
 Sample : Q2384-01
 Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-6202025

Quant Time: Jun 21 02:41:12 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	29009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	46696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	34930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	13397	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	12851	39.609	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.220%
35) Dibromofluoromethane	7.634	113	13780	49.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.880%
50) Toluene-d8	10.109	98	55596	49.366	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.740%
62) 4-Bromofluorobenzene	12.408	95	12571	37.464	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.920%

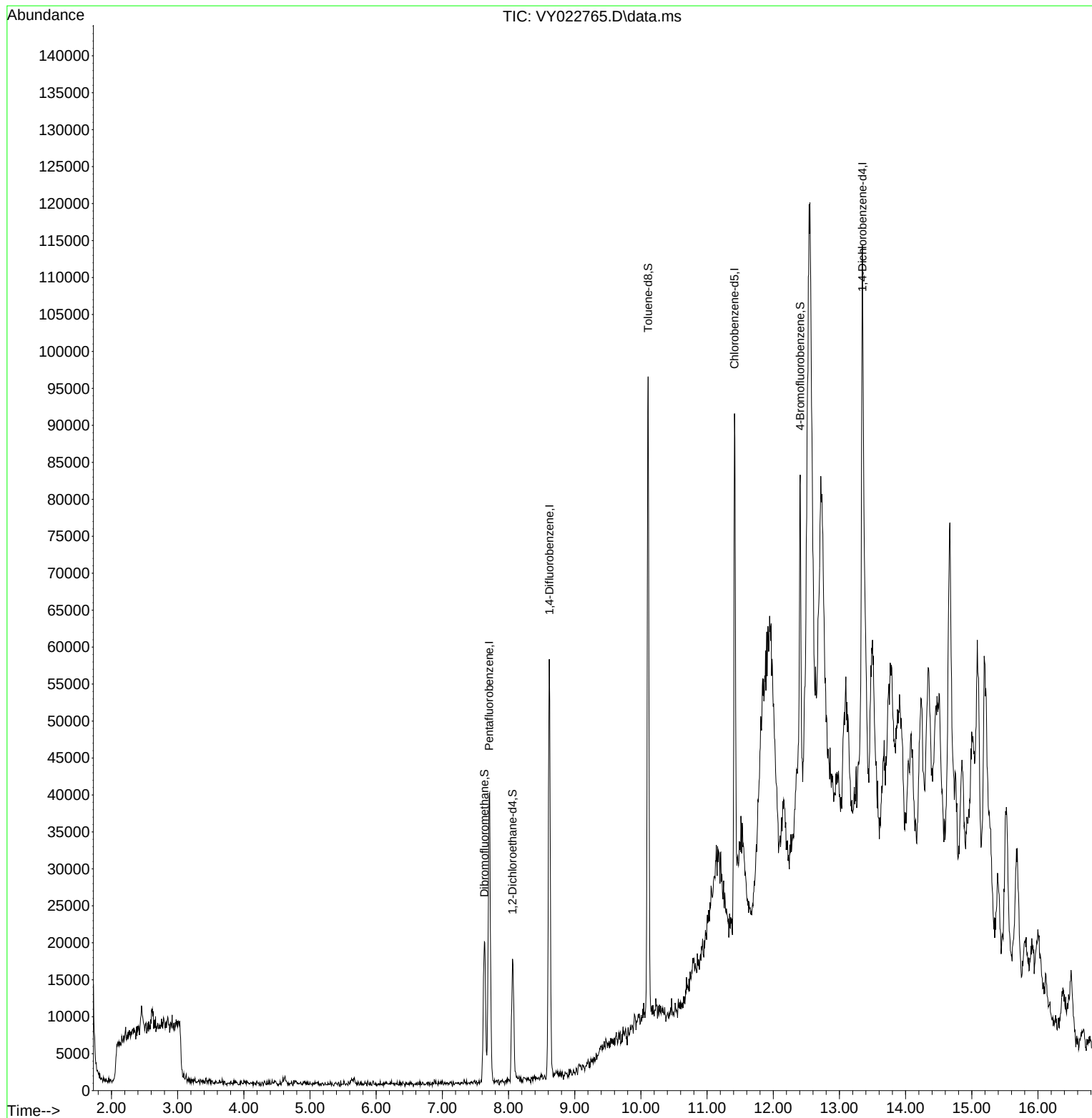
Target Compounds	Qvalue

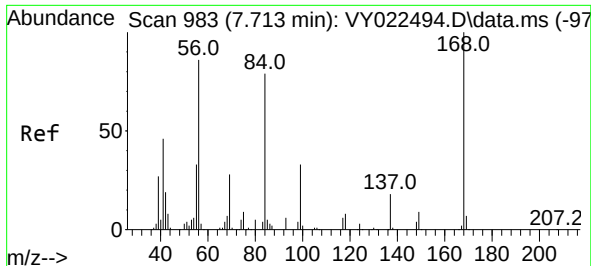
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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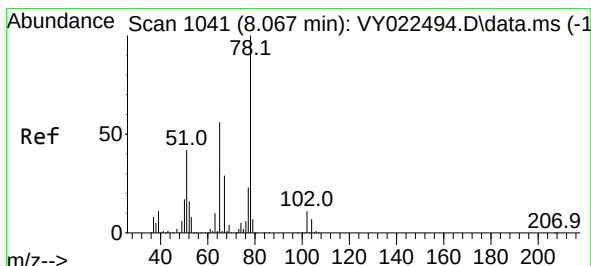
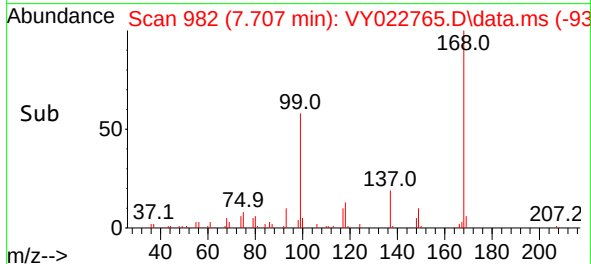
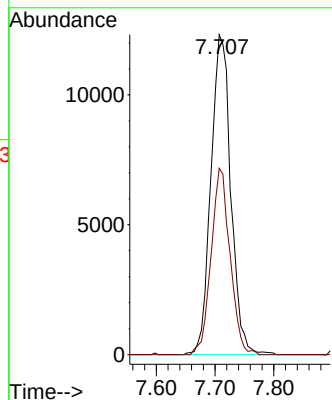
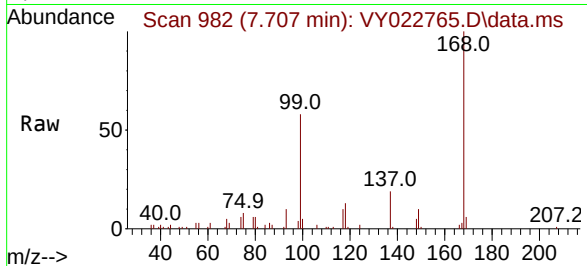




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022765.D
Acq: 20 Jun 2025 15:55

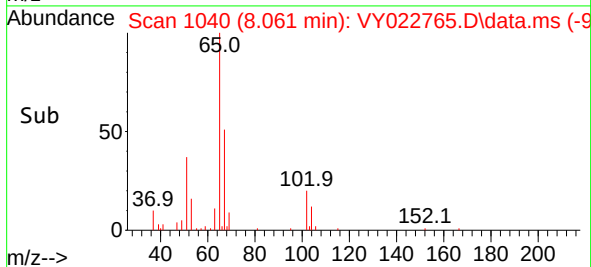
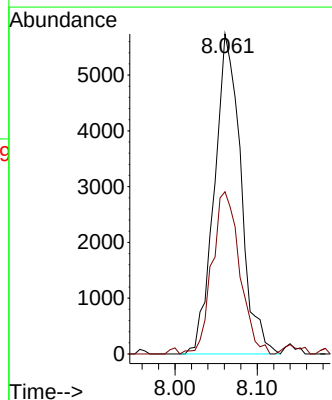
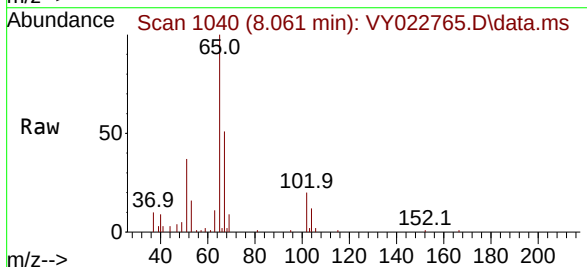
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-6202025

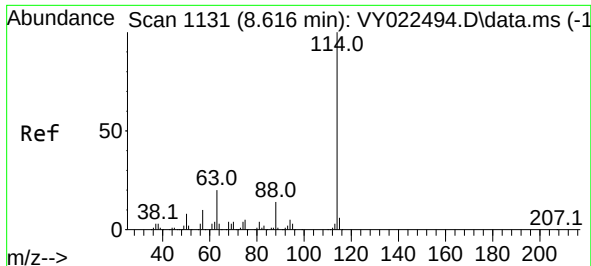
Tgt Ion:168 Resp: 29009
Ion Ratio Lower Upper
168 100
99 58.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 39.609 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022765.D
Acq: 20 Jun 2025 15:55

Tgt Ion: 65 Resp: 12851
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4

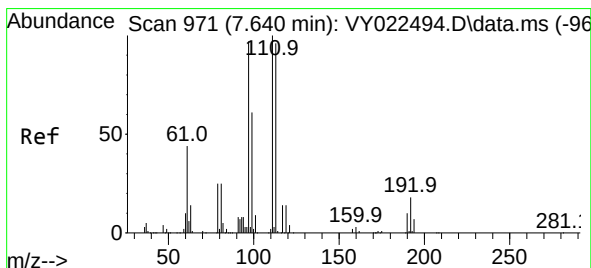
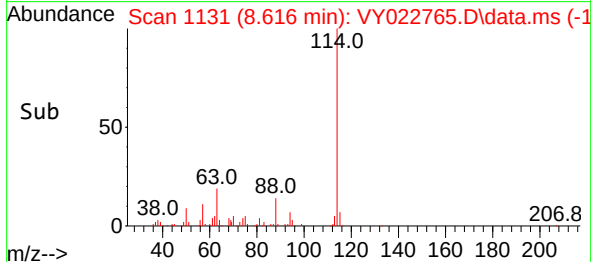
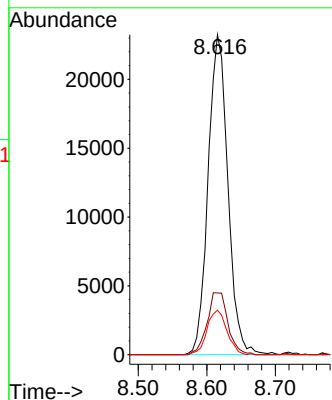
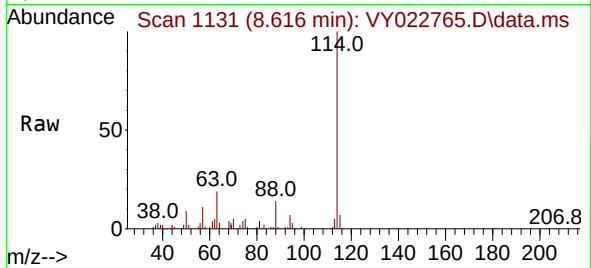




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022765.D
Acq: 20 Jun 2025 15:55

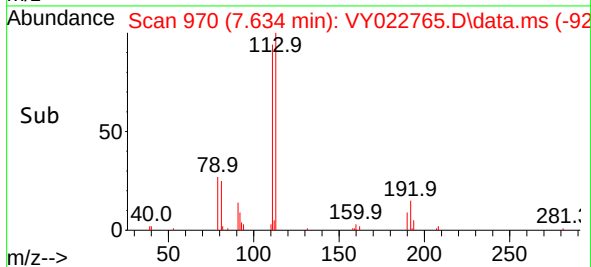
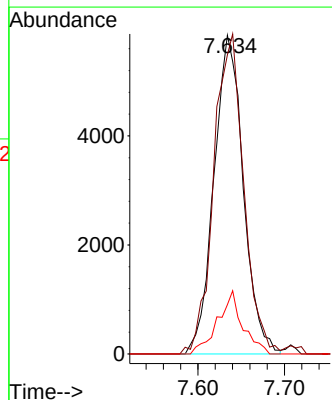
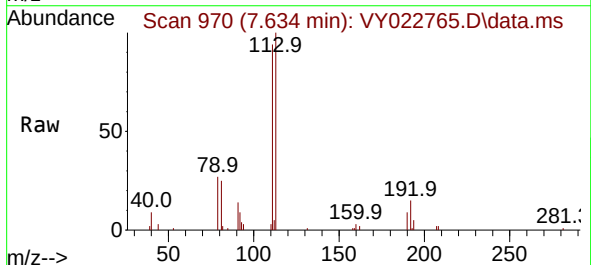
Instrument :
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ClientSampleId :
OK-01-6202025

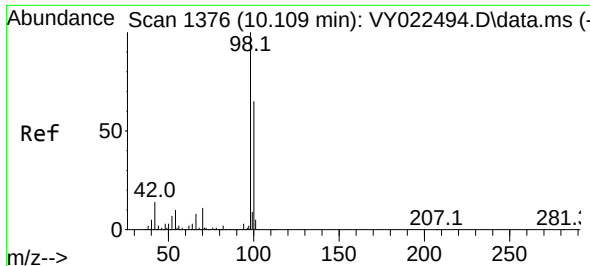
Tgt Ion:	114	Resp:	46696
Ion Ratio	Lower	Upper	
114	100		
63	19.3	0.0	40.8
88	13.9	0.0	27.8



#35
Dibromofluoromethane
Concen: 49.440 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022765.D
Acq: 20 Jun 2025 15:55

Tgt Ion:	113	Resp:	13780
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.1	121.7
192	16.8	14.2	21.2

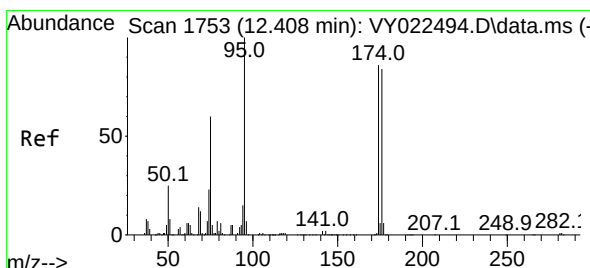
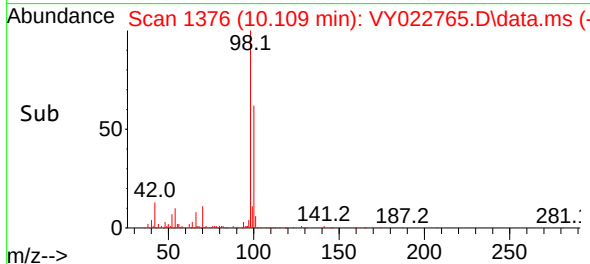
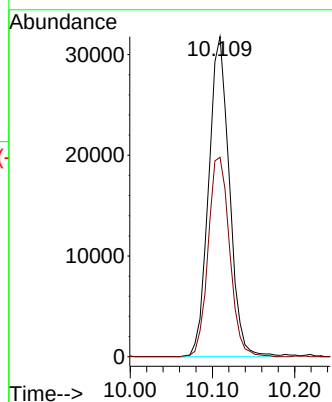
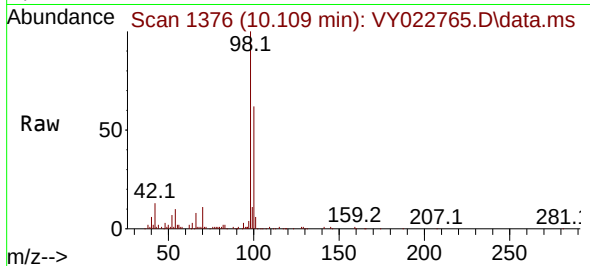




#50
Toluene-d8
Concen: 49.366 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022765.D
Acq: 20 Jun 2025 15:55

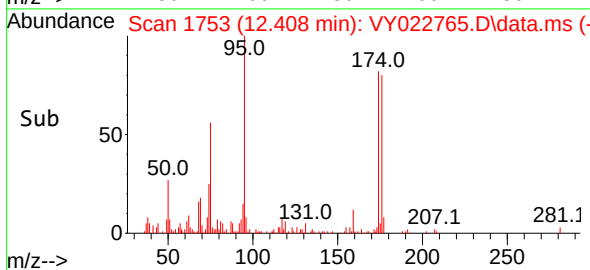
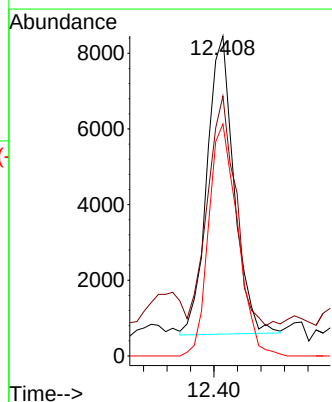
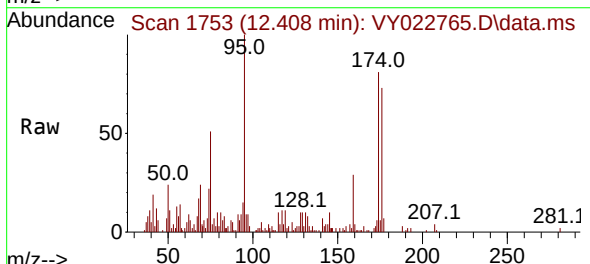
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-6202025

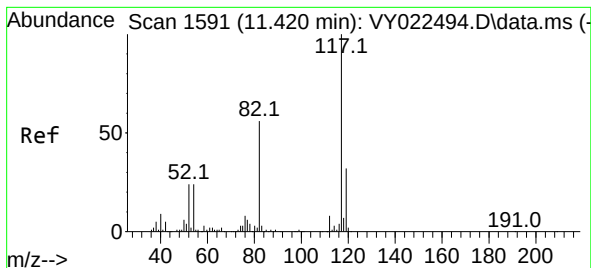
Tgt Ion: 98 Resp: 55596
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 37.464 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022765.D
Acq: 20 Jun 2025 15:55

Tgt Ion: 95 Resp: 12571
Ion Ratio Lower Upper
95 100
174 80.2 0.0 170.0
176 83.8 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: VY022765.D

Acq: 20 Jun 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-6202025

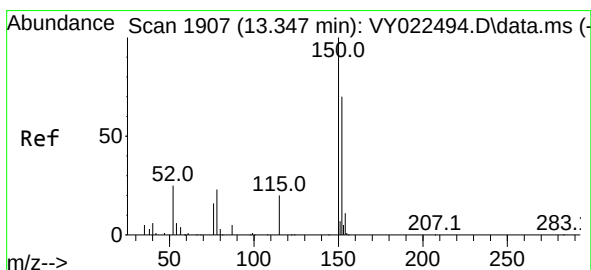
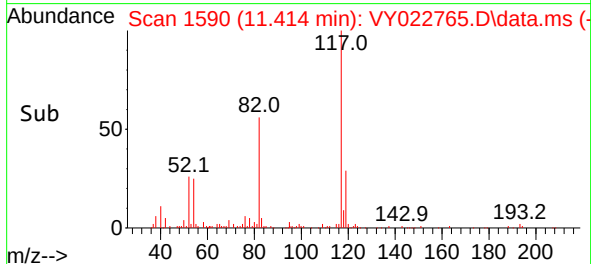
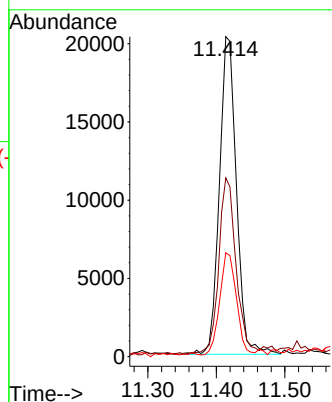
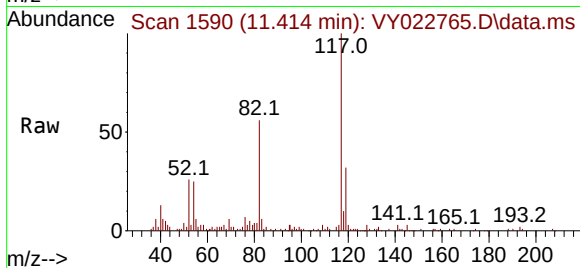
Tgt Ion:117 Resp: 34930

Ion Ratio Lower Upper

117 100

82 55.0 44.6 66.8

119 32.1 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: VY022765.D

Acq: 20 Jun 2025 15:55

Tgt Ion:152 Resp: 13397

Ion Ratio Lower Upper

152 100

115 98.3 28.9 86.7#

150 124.8 0.0 349.6

