

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022545.D
 Acq On : 04 Jun 2025 13:03
 Operator : SY/MD
 Sample : Q2182-01RE
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-06022025RE

Quant Time: Jun 05 04:14:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	33307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	52550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	35151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	9867	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	16642	44.674	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.340%
35) Dibromofluoromethane	7.634	113	14848	47.338	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.680%
50) Toluene-d8	10.109	98	57838	45.636	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.280%
62) 4-Bromofluorobenzene	12.401	95	11930	31.593	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.180%

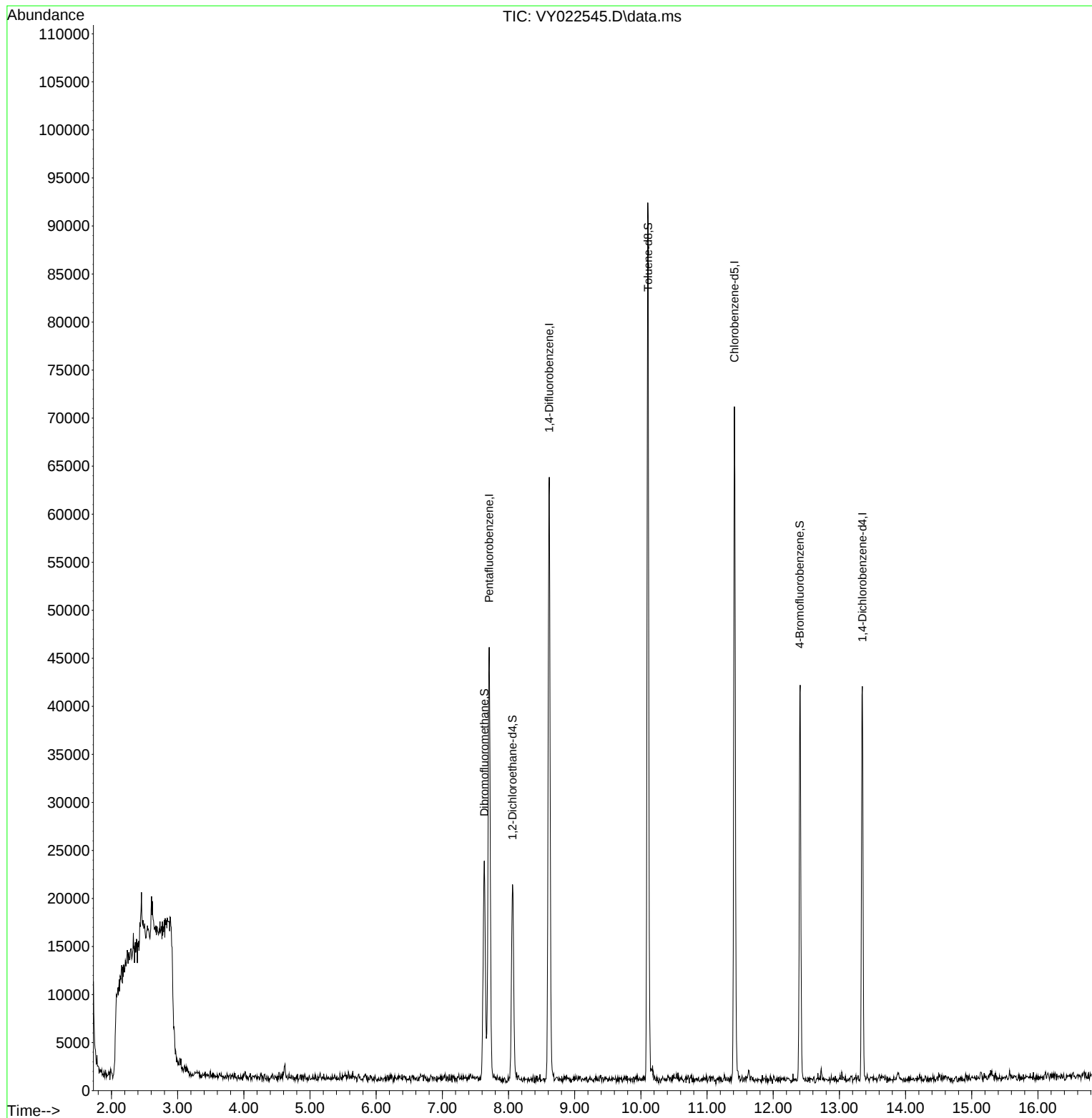
Target Compounds	Qvalue

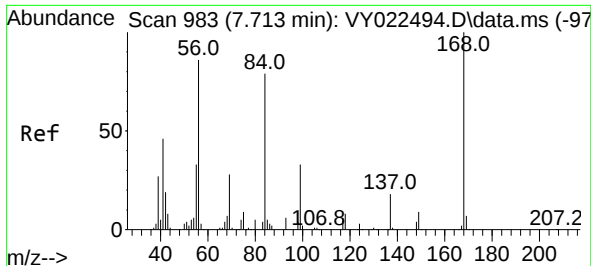
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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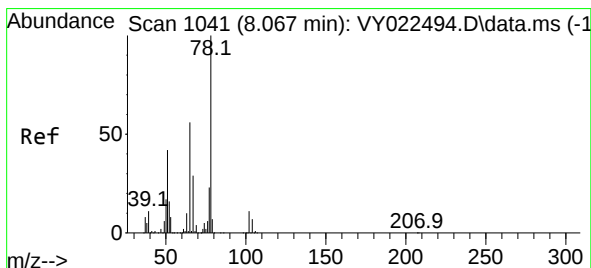
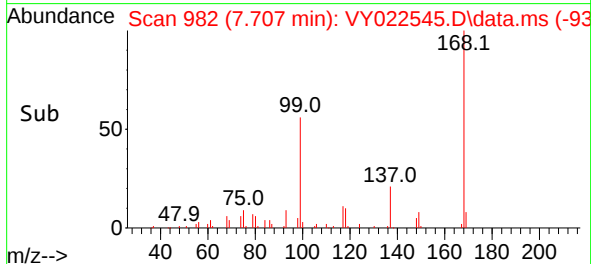
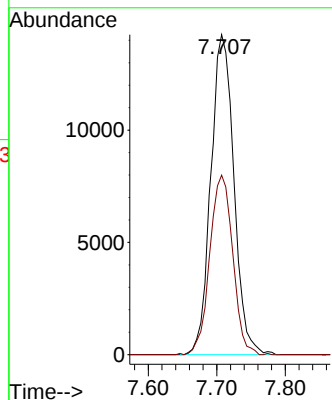
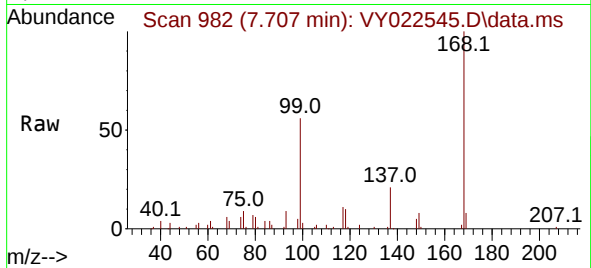




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

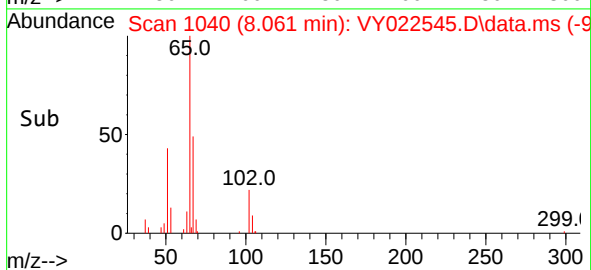
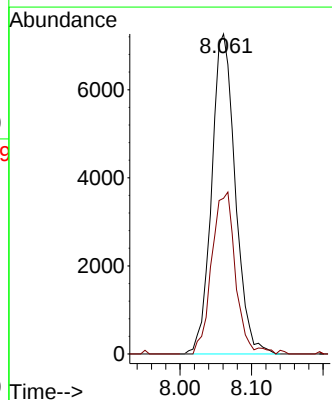
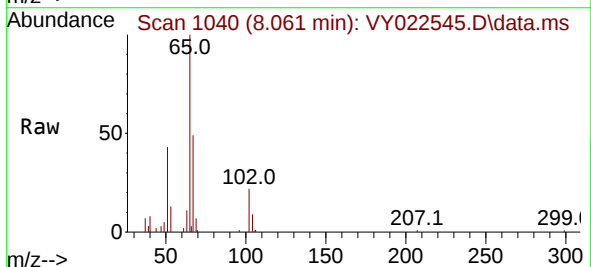
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-06022025RE

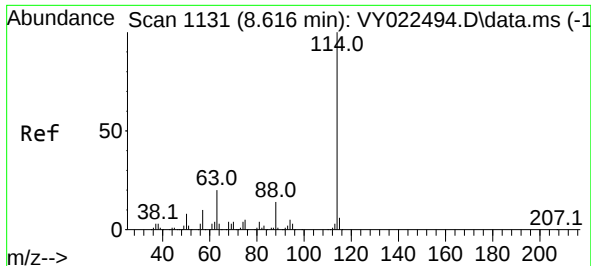
Tgt Ion:168 Resp: 33307
Ion Ratio Lower Upper
168 100
99 56.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 44.674 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

Tgt Ion: 65 Resp: 16642
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4

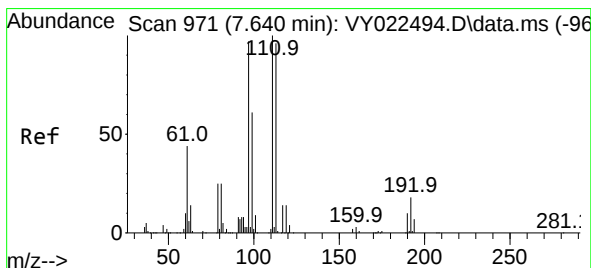
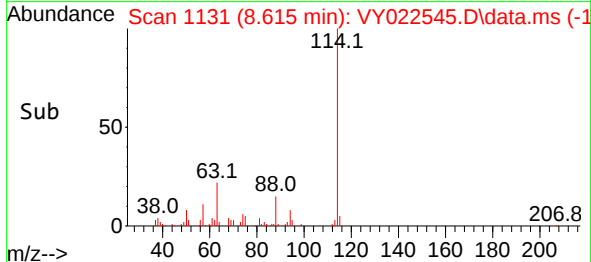
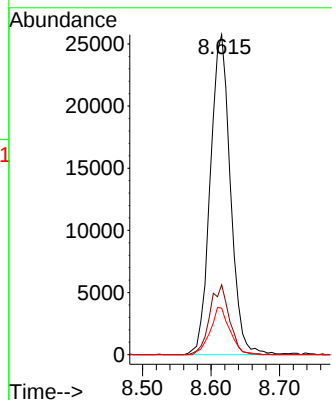
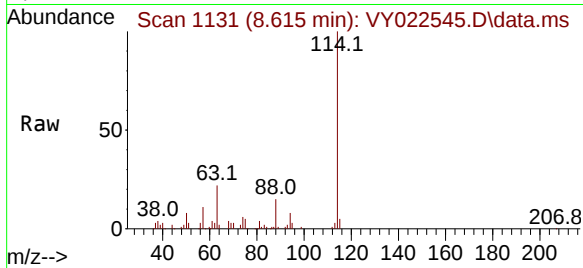




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

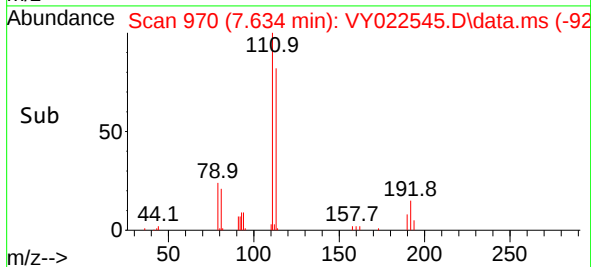
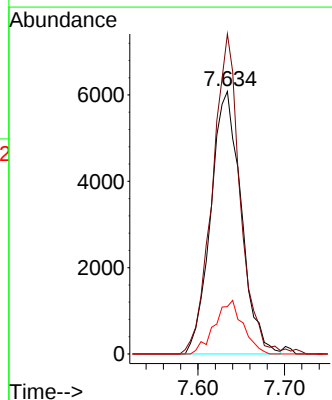
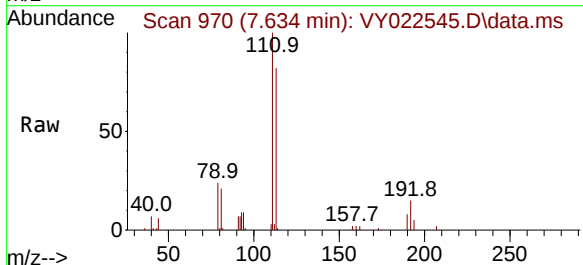
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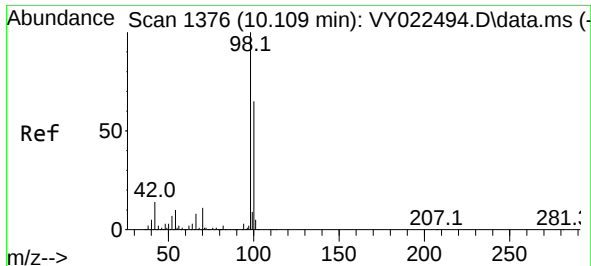
Tgt Ion:	114	Resp:	52550
Ion Ratio	Lower	Upper	
114	100		
63	21.9	0.0	40.8
88	14.5	0.0	27.8



#35
Dibromofluoromethane
Concen: 47.338 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

Tgt Ion:	113	Resp:	14848
Ion Ratio	Lower	Upper	
113	100		
111	111.4	81.1	121.7
192	18.9	14.2	21.2

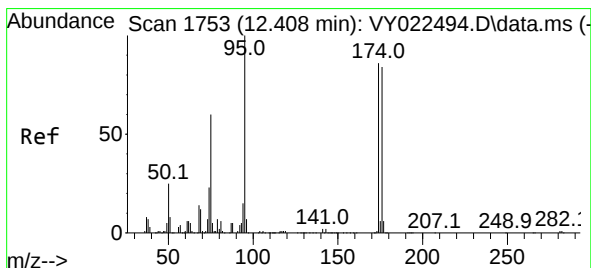
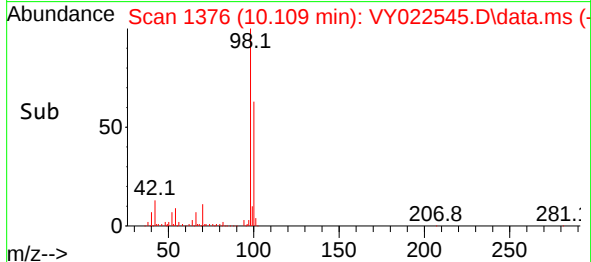
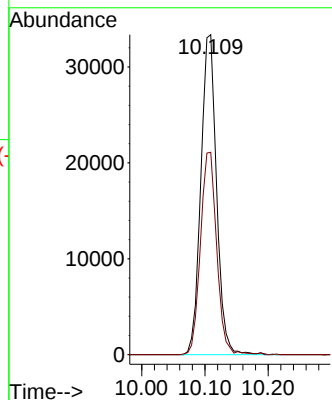
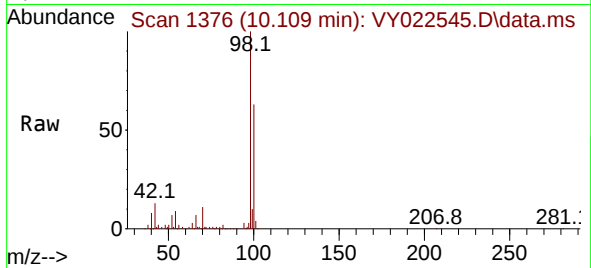




#50
Toluene-d8
Concen: 45.636 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

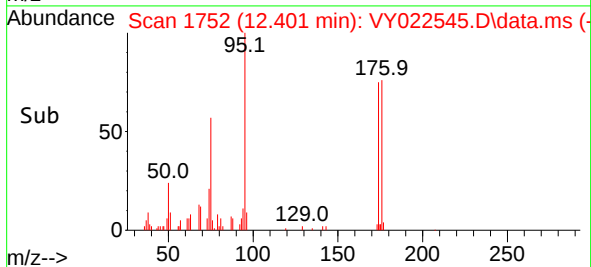
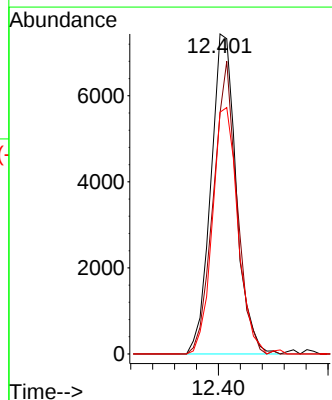
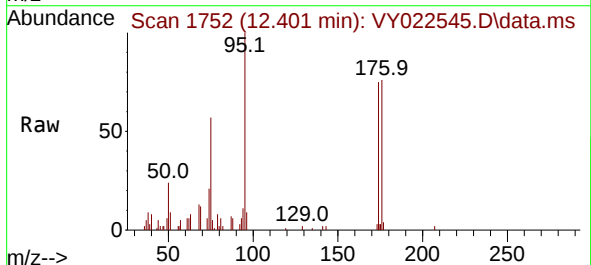
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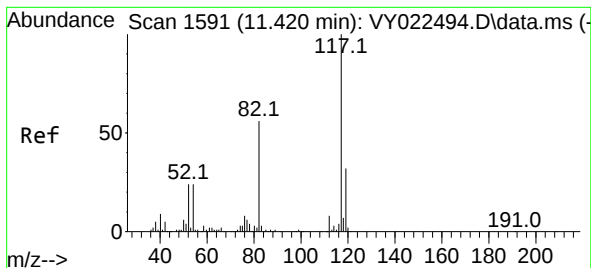
Tgt Ion: 98 Resp: 57838
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 31.593 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022545.D
Acq: 04 Jun 2025 13:03

Tgt Ion: 95 Resp: 11930
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.0
176 77.9 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: VY022545.D

Acq: 04 Jun 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-06022025RE

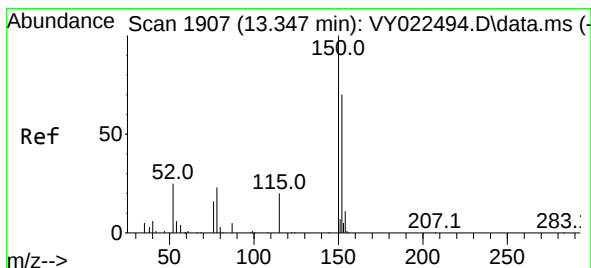
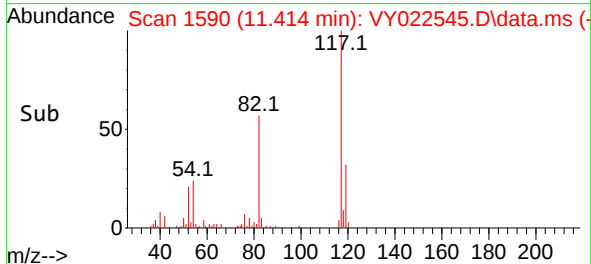
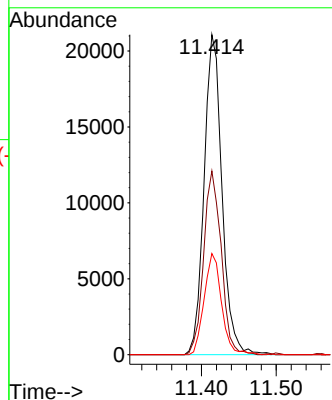
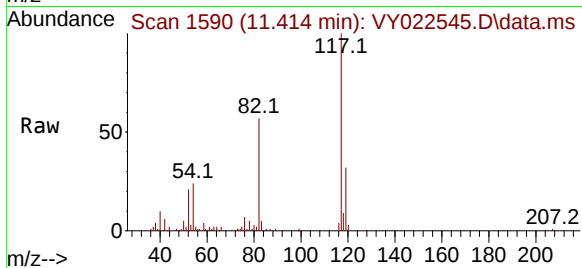
Tgt Ion:117 Resp: 35151

Ion Ratio Lower Upper

117 100

82 57.4 44.6 66.8

119 31.6 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: VY022545.D

Acq: 04 Jun 2025 13:03

Tgt Ion:152 Resp: 9867

Ion Ratio Lower Upper

152 100

115 56.0 28.9 86.7

150 160.1 0.0 349.6

