

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022768.D
 Acq On : 20 Jun 2025 17:05
 Operator : SY/MD
 Sample : Q2380-05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200059

Quant Time: Jun 21 02:42:22 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	90916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	164808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	134332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	47524	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	48843	48.034	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.060%
35) Dibromofluoromethane	7.634	113	49997	50.825	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.660%
50) Toluene-d8	10.103	98	197182	49.608	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.220%
62) 4-Bromofluorobenzene	12.402	95	47911	40.456	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.920%

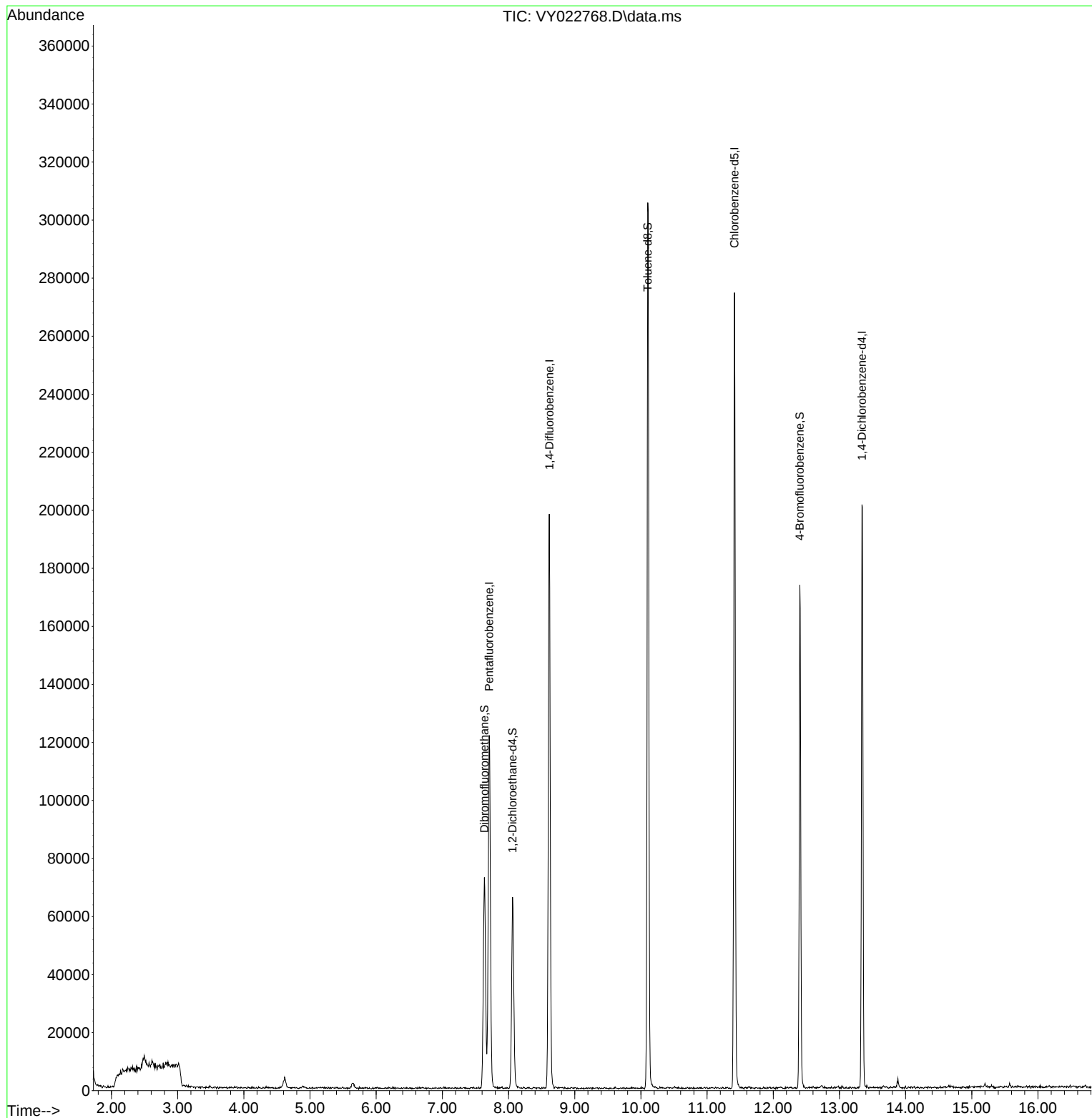
Target Compounds	Qvalue

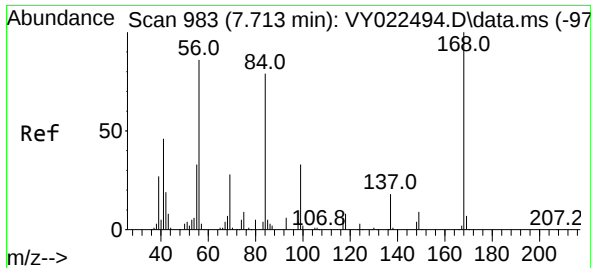
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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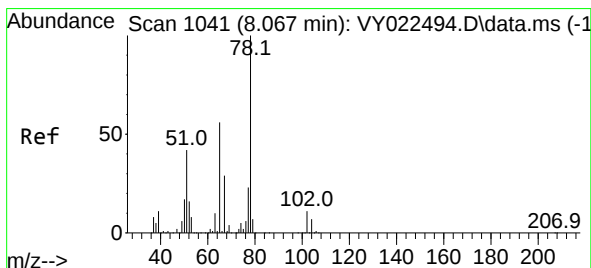
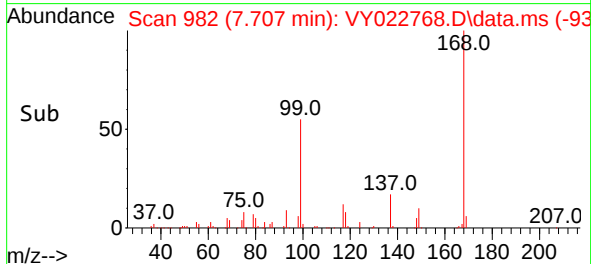
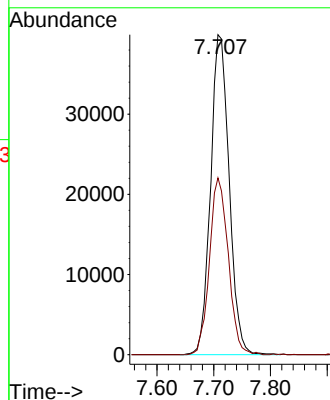
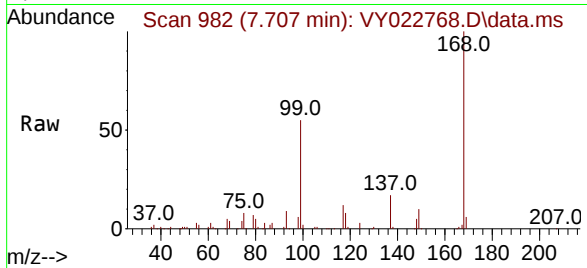




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022768.D
Acq: 20 Jun 2025 17:05

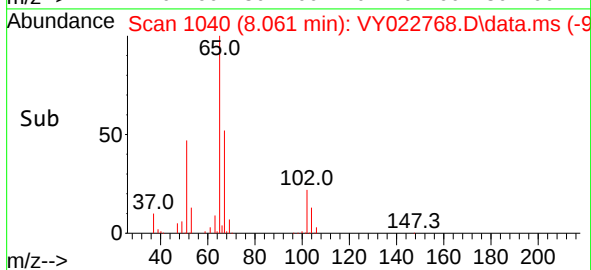
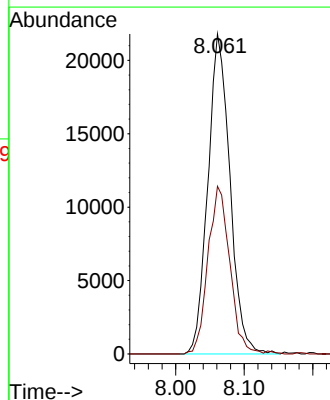
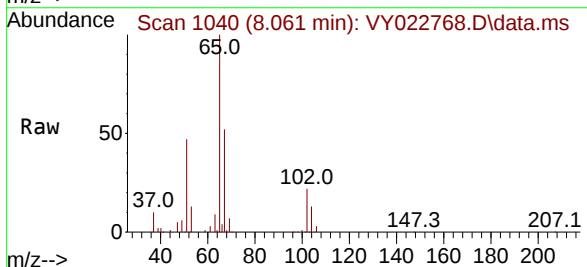
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200059

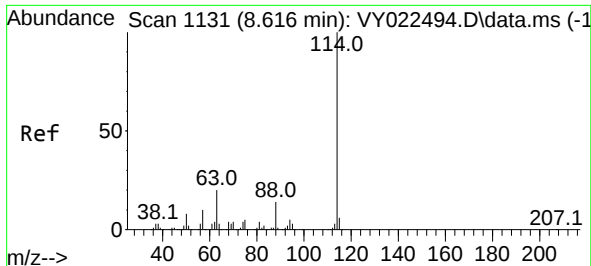
Tgt Ion:168 Resp: 90916
Ion Ratio Lower Upper
168 100
99 55.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 48.034 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022768.D
Acq: 20 Jun 2025 17:05

Tgt Ion: 65 Resp: 48843
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4

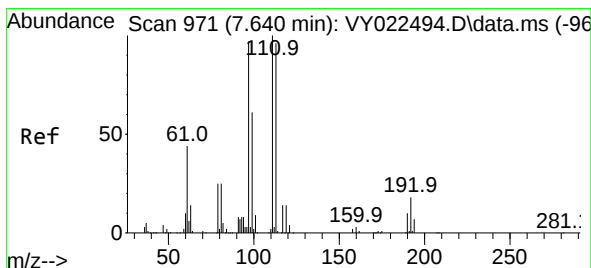
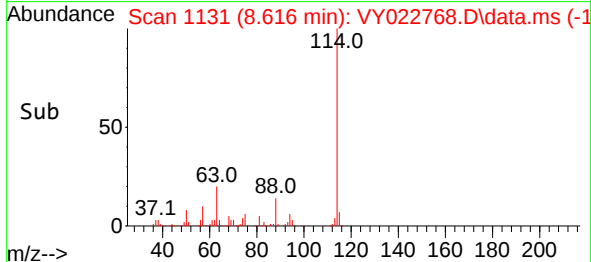
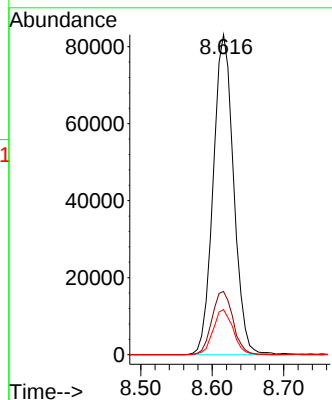
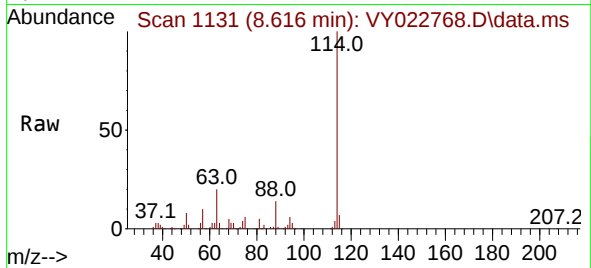




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022768.D
Acq: 20 Jun 2025 17:05

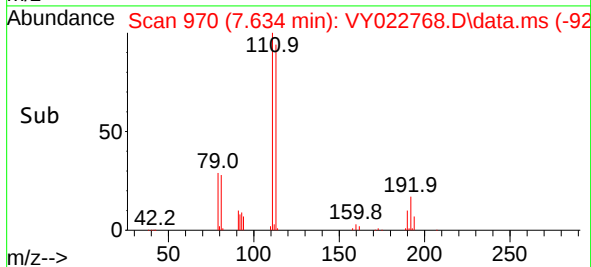
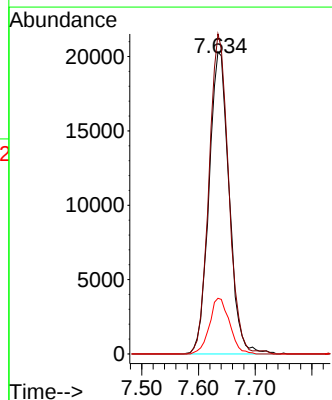
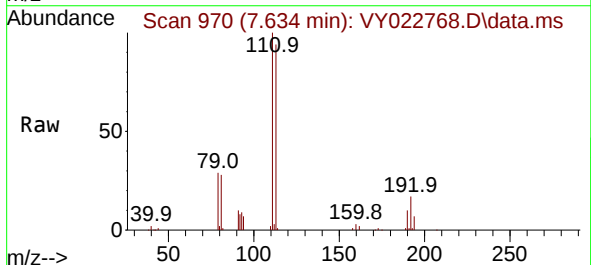
Instrument :
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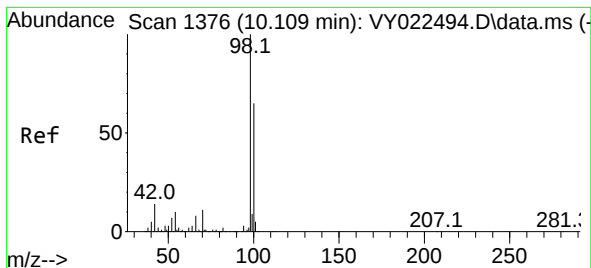
Tgt Ion:114 Resp: 164808
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 14.1 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.825 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022768.D
Acq: 20 Jun 2025 17:05

Tgt Ion:113 Resp: 49997
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 18.4 14.2 21.2

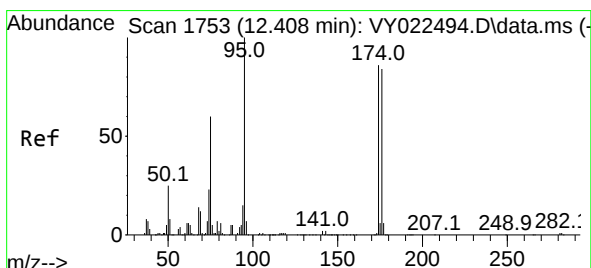
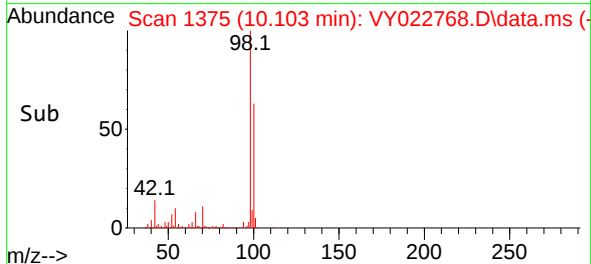
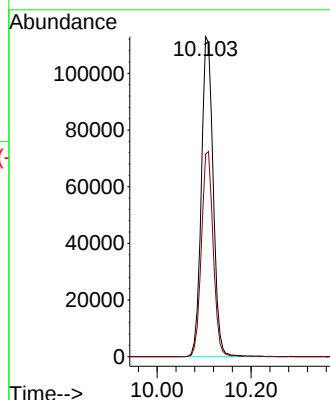
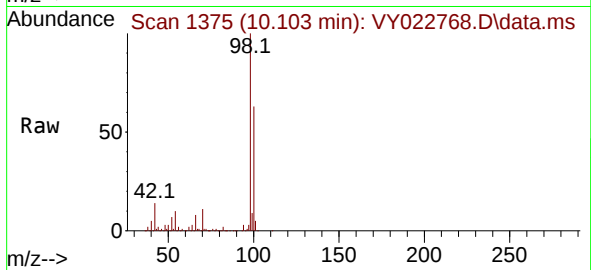




#50
Toluene-d8
Concen: 49.608 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022768.D
Acq: 20 Jun 2025 17:05

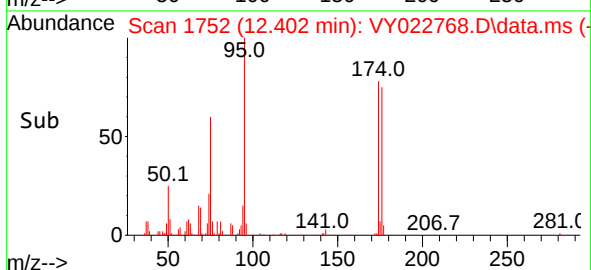
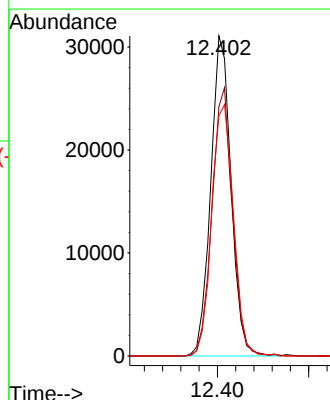
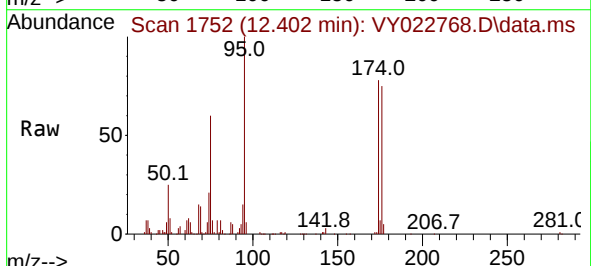
Instrument :
MSVOA_Y
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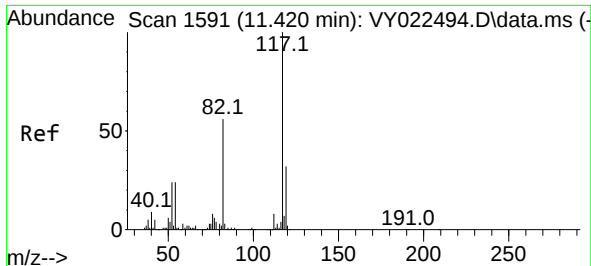
Tgt Ion: 98 Resp: 197182
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 40.456 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022768.D
Acq: 20 Jun 2025 17:05

Tgt Ion: 95 Resp: 47911
Ion Ratio Lower Upper
95 100
174 84.6 0.0 170.0
176 84.5 0.0 166.2

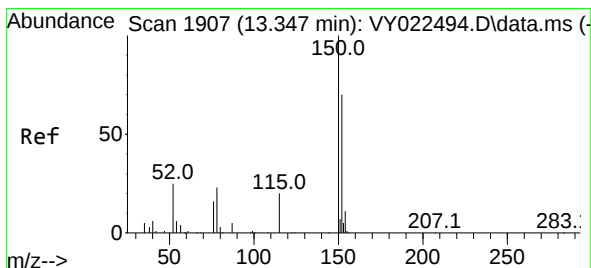
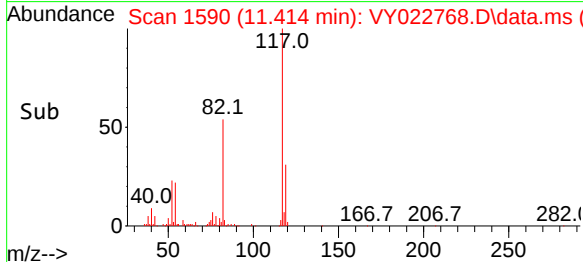
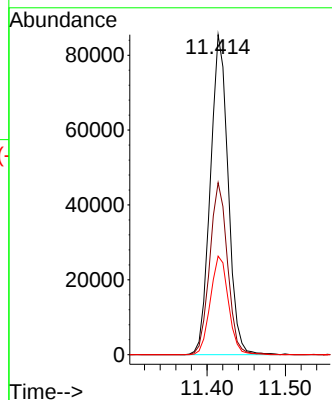
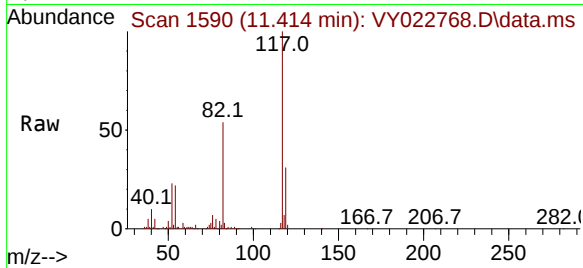




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022768.D
Acq: 20 Jun 2025 17:05

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200059

Tgt Ion:117 Resp: 134332
Ion Ratio Lower Upper
117 100
82 53.8 44.6 66.8
119 30.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.341 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022768.D
Acq: 20 Jun 2025 17:05

Tgt Ion:152 Resp: 47524
Ion Ratio Lower Upper
152 100
115 58.4 28.9 86.7
150 158.6 0.0 349.6

