

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061725\  
 Data File : VY022713.D  
 Acq On : 17 Jun 2025 09:20  
 Operator : SY/MD  
 Sample : VY0617SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 04:37:05 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)
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Internal Standards						
1) Pentafluorobenzene	7.713	168	105503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	194865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	159398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	57457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	61284	51.936	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.880%
35) Dibromofluoromethane	7.640	113	60464	51.985	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.960%
50) Toluene-d8	10.109	98	236579	50.339	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.680%
62) 4-Bromofluorobenzene	12.408	95	57392	40.986	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.980%

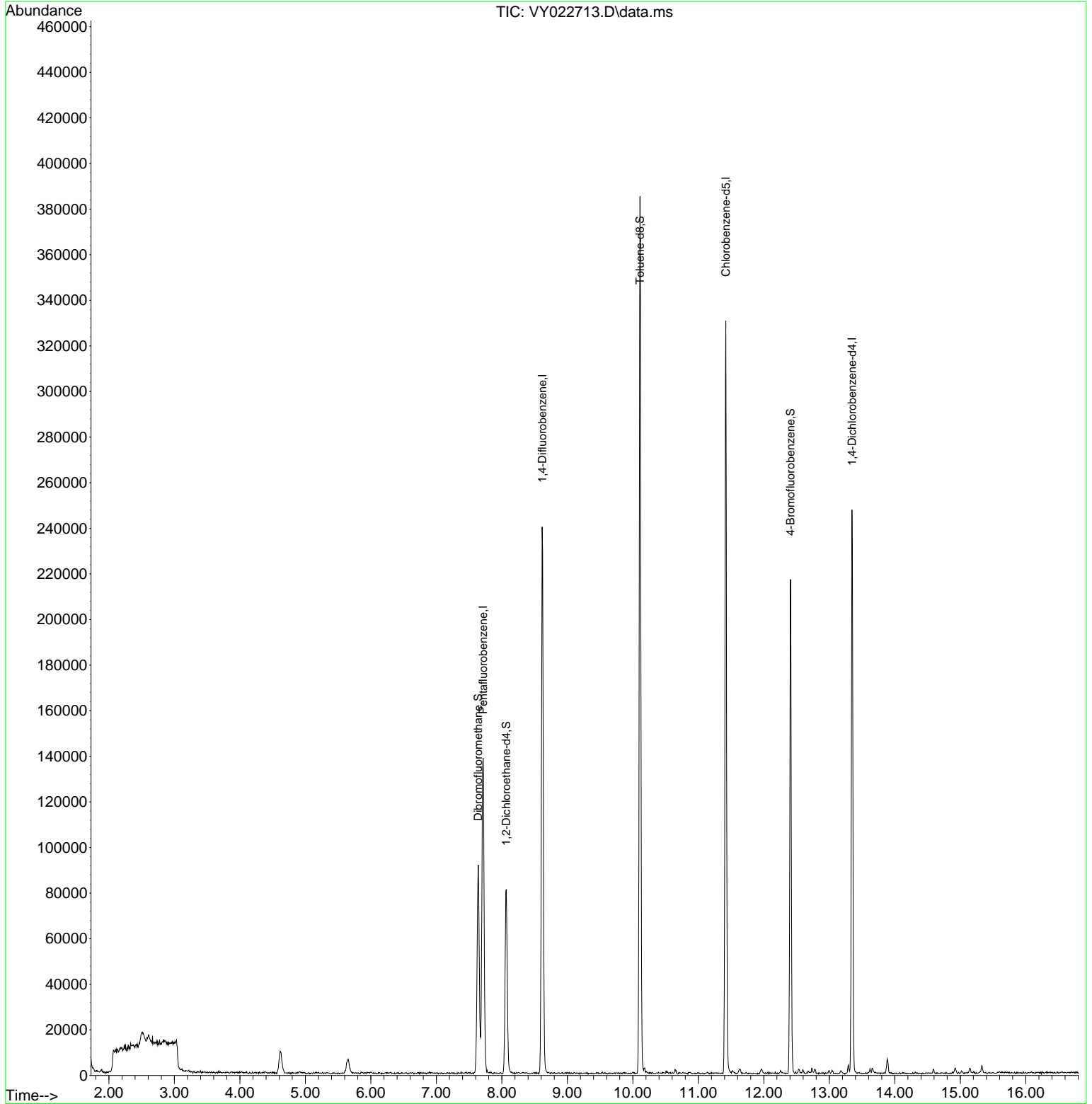
Target Compounds Qvalue

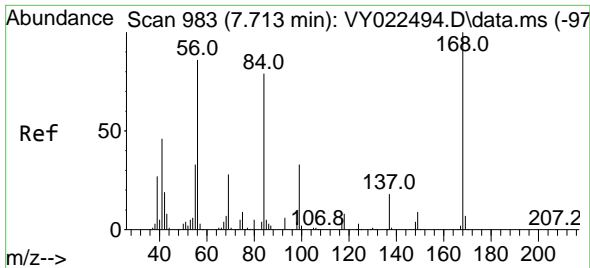
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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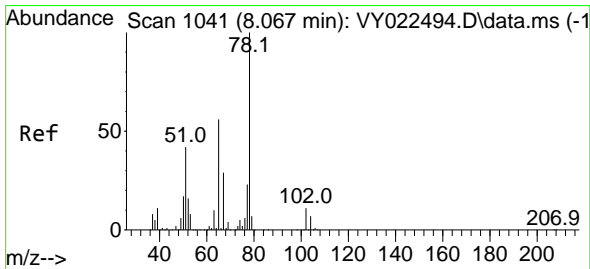
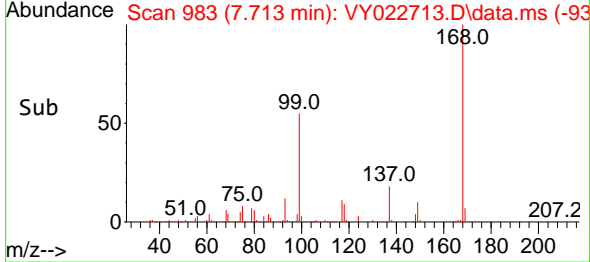
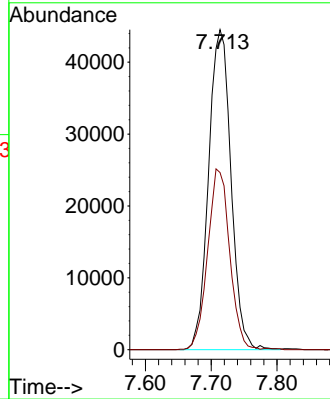
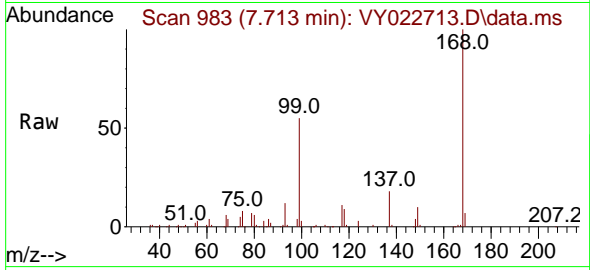
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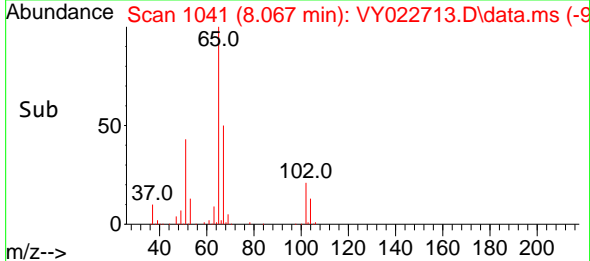
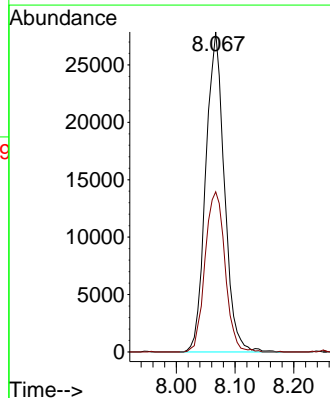
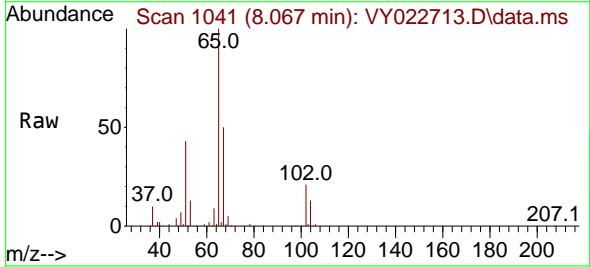
#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.713 min Scan# 983  
 Delta R.T. 0.000 min  
 Lab File: VY022713.D  
 Acq: 17 Jun 2025 09:20

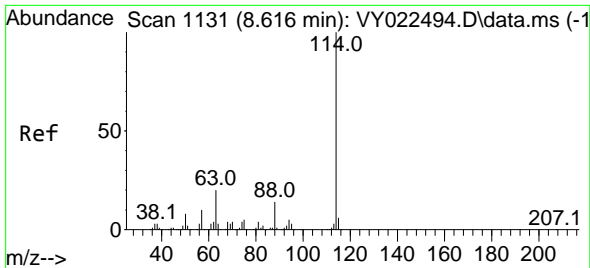
Tgt Ion:168 Resp: 105503  
 Ion Ratio Lower Upper  
 168 100  
 99 55.2 44.3 66.5



#33  
 1,2-Dichloroethane-d4  
 Concen: 51.936 ug/l  
 RT: 8.067 min Scan# 1041  
 Delta R.T. -0.000 min  
 Lab File: VY022713.D  
 Acq: 17 Jun 2025 09:20

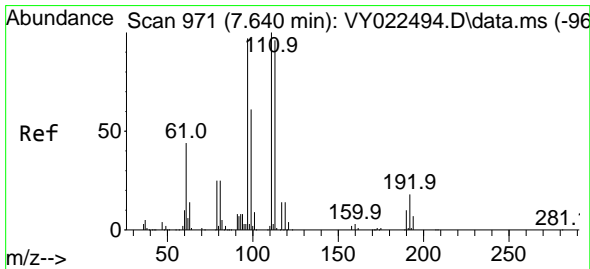
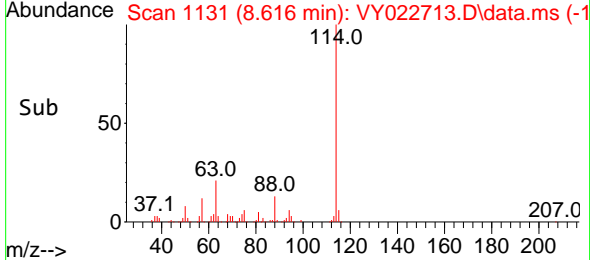
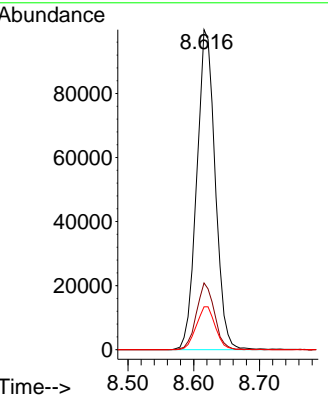
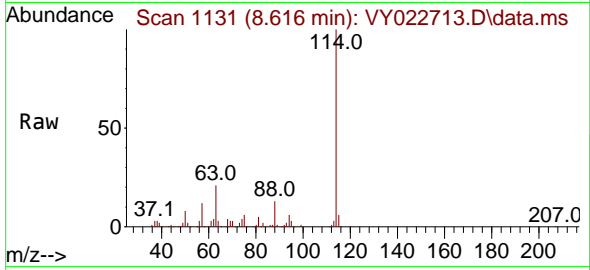
Tgt Ion: 65 Resp: 61284  
 Ion Ratio Lower Upper  
 65 100  
 67 53.8 0.0 103.4





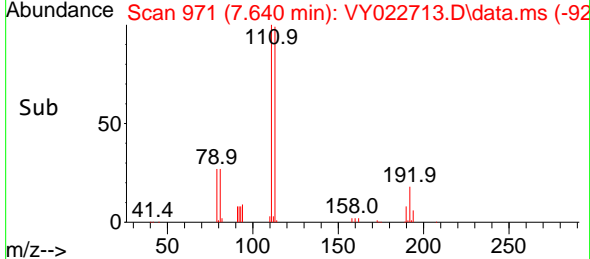
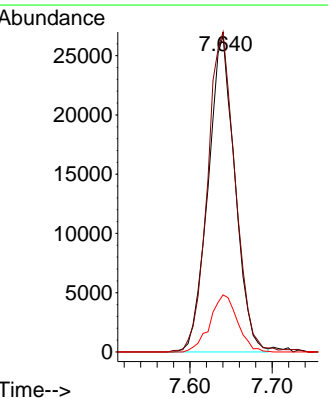
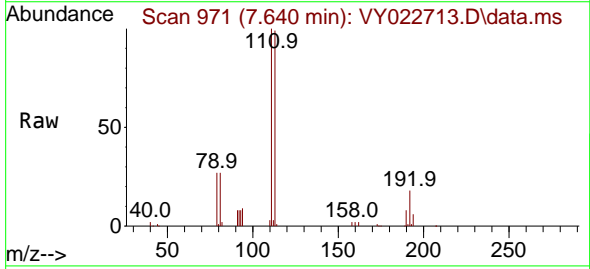
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. -0.000 min  
 Lab File: VY022713.D  
 Acq: 17 Jun 2025 09:20

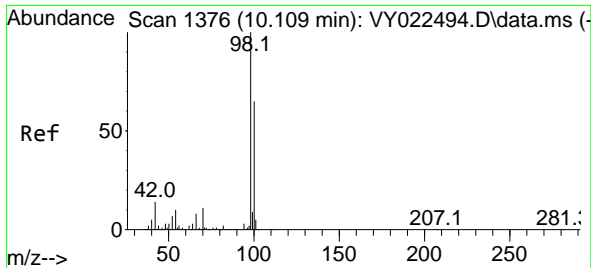
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	13.4	0.0	27.8



#35  
 Dibromofluoromethane  
 Concen: 51.985 ug/l  
 RT: 7.640 min Scan# 971  
 Delta R.T. -0.000 min  
 Lab File: VY022713.D  
 Acq: 17 Jun 2025 09:20

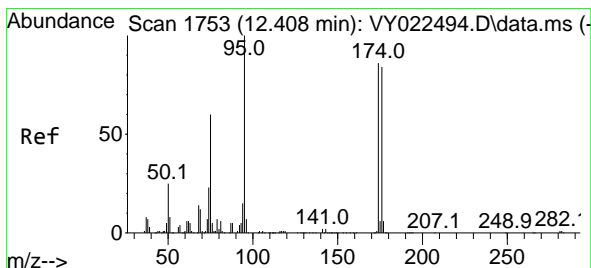
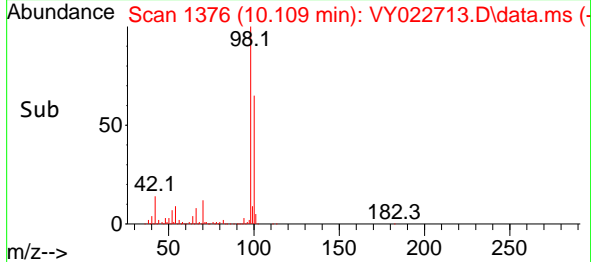
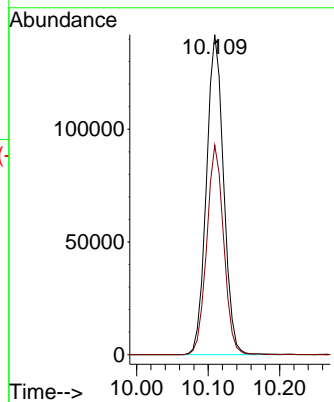
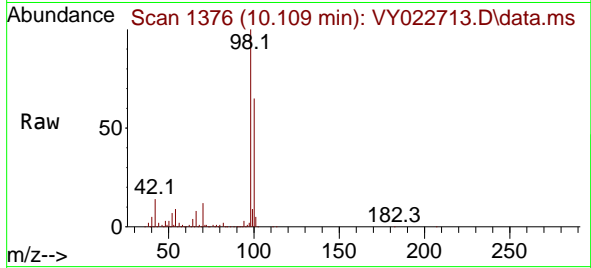
Tgt Ion	Resp	Lower	Upper
113	100		
111	104.4	81.1	121.7
192	18.5	14.2	21.2





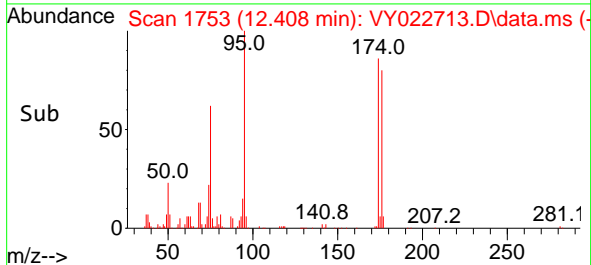
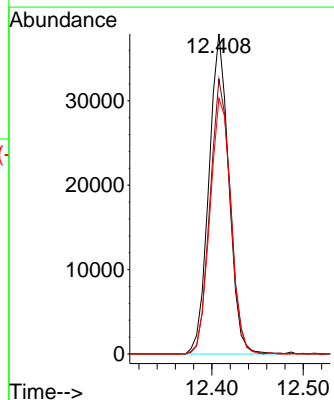
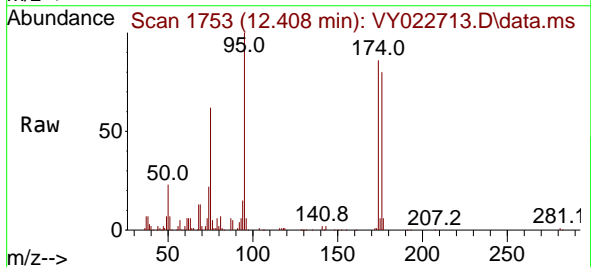
#50  
 Toluene-d8  
 Concen: 50.339 ug/l  
 RT: 10.109 min Scan# 1376  
 Delta R.T. -0.000 min  
 Lab File: VY022713.D  
 Acq: 17 Jun 2025 09:20

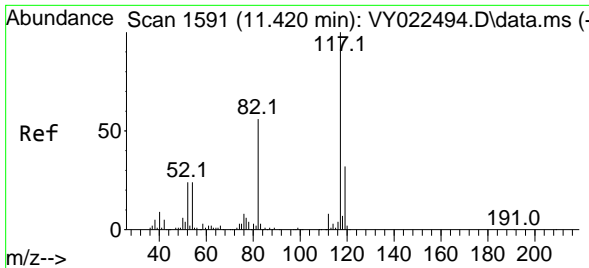
Tgt Ion: 98 Resp: 236579  
 Ion Ratio Lower Upper  
 98 100  
 100 64.6 51.4 77.0



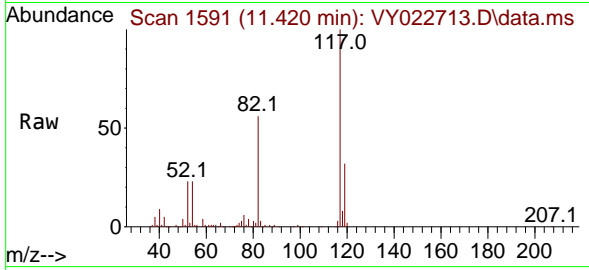
#62  
 4-Bromofluorobenzene  
 Concen: 40.986 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. -0.000 min  
 Lab File: VY022713.D  
 Acq: 17 Jun 2025 09:20

Tgt Ion: 95 Resp: 57392  
 Ion Ratio Lower Upper  
 95 100  
 174 87.8 0.0 170.0  
 176 83.9 0.0 166.2



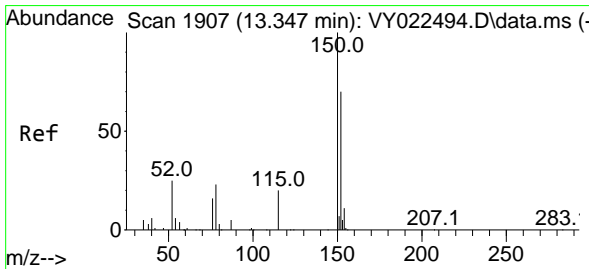
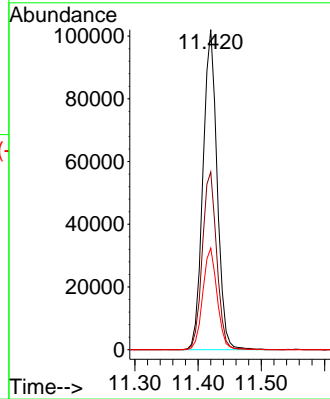
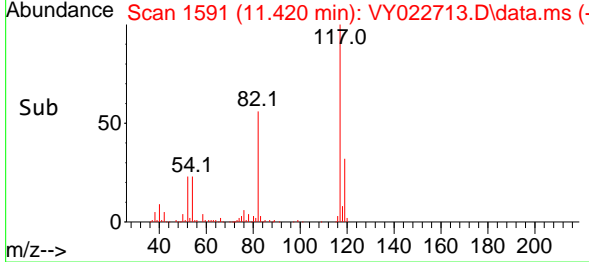


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.420 min Scan# 1591  
 Delta R.T. -0.000 min  
 Lab File: VY022713.D  
 Acq: 17 Jun 2025 09:20

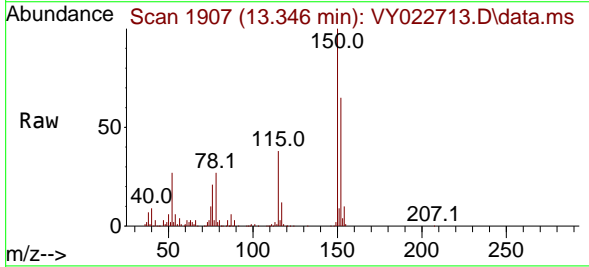


Tgt Ion:117 Resp: 159398

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	66.8
119	31.8	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: VY022713.D  
 Acq: 17 Jun 2025 09:20



Tgt Ion:152 Resp: 57457

Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.9	86.7
150	154.0	0.0	349.6

