

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022702.D
 Acq On : 16 Jun 2025 12:33
 Operator : SY/MD
 Sample : Q2324-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-6132025

Quant Time: Jun 17 05:53:21 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	3787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	6200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	3849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	809	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	1911	45.118	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.240%
35) Dibromofluoromethane	7.634	113	937	25.320	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	50.640%#
50) Toluene-d8	10.109	98	6862	45.890	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.780%
62) 4-Bromofluorobenzene	12.407	95	1244	27.922	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	55.840%

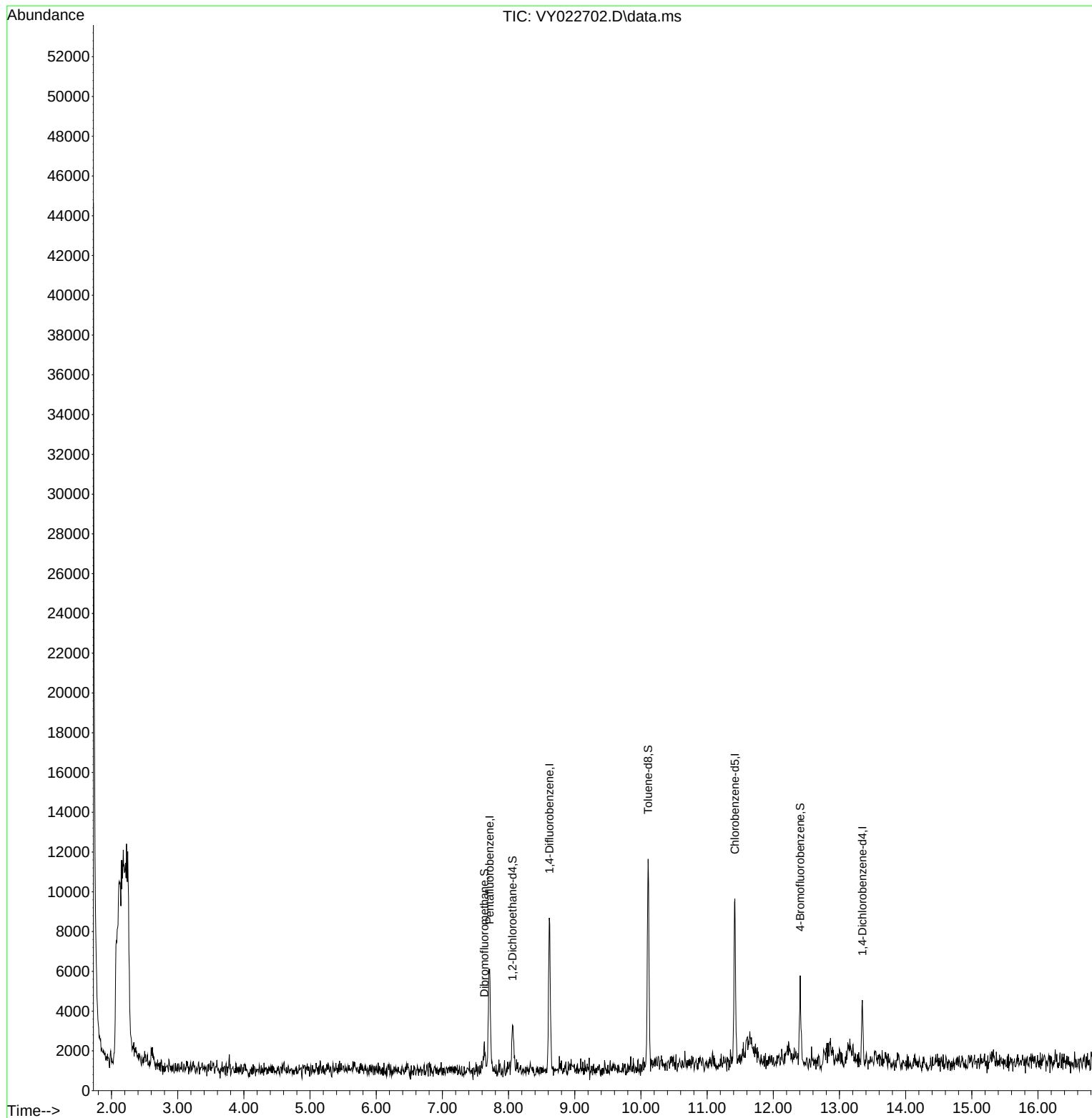
Target Compounds	Qvalue

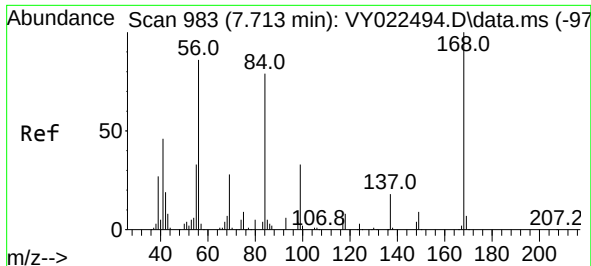
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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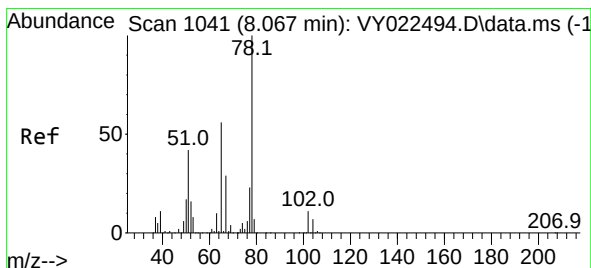
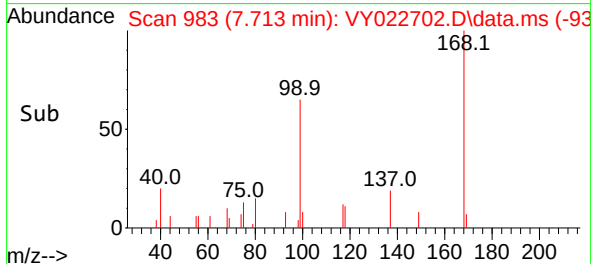
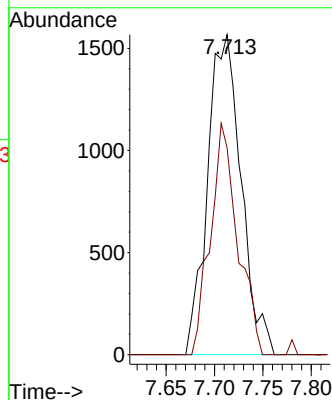
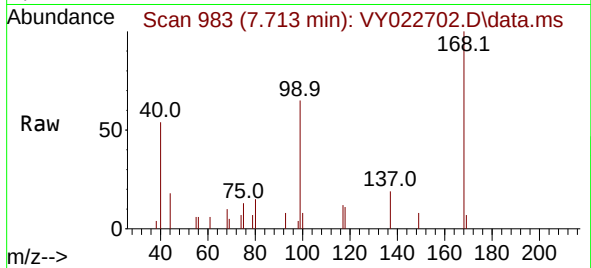




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022702.D
Acq: 16 Jun 2025 12:33

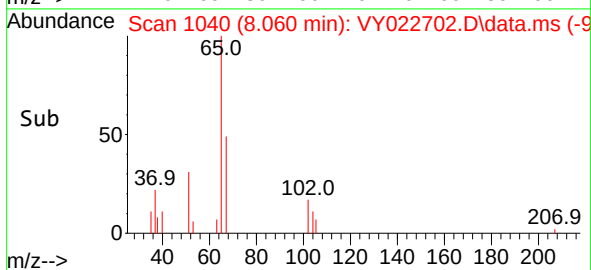
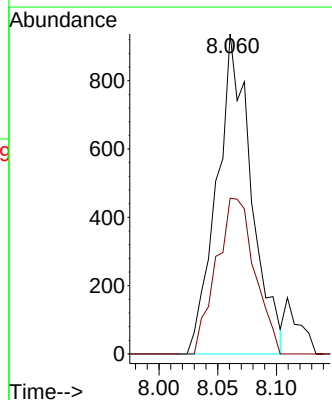
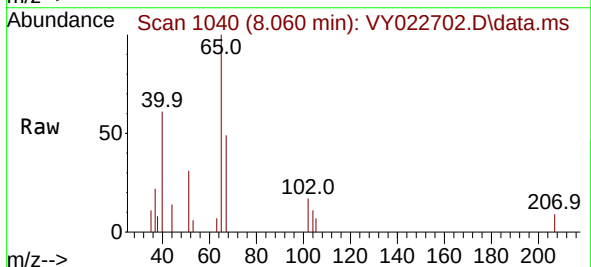
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-6132025

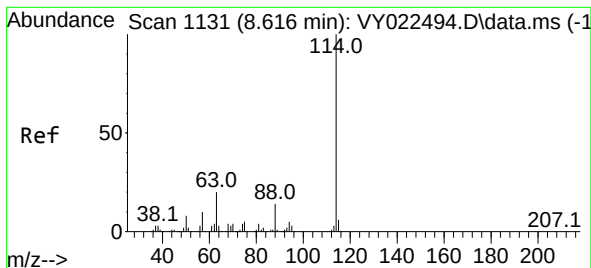
Tgt Ion:168 Resp: 3787
Ion Ratio Lower Upper
168 100
99 64.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 45.118 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.007 min
Lab File: VY022702.D
Acq: 16 Jun 2025 12:33

Tgt Ion: 65 Resp: 1911
Ion Ratio Lower Upper
65 100
67 54.3 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: VY022702.D

Acq: 16 Jun 2025 12:33

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-6132025

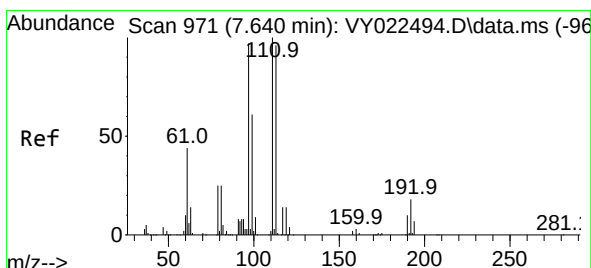
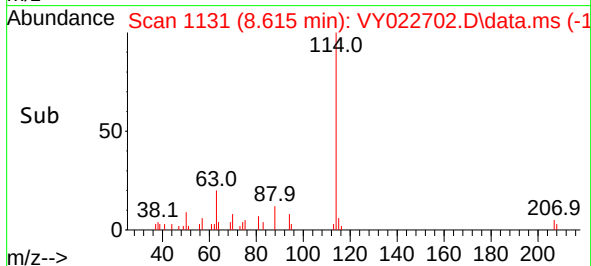
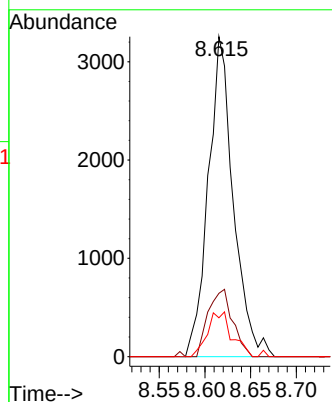
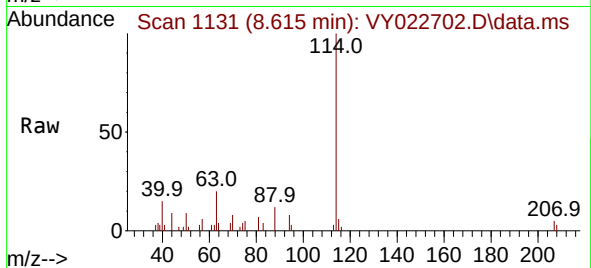
Tgt Ion:114 Resp: 6200

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 12.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 25.320 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.007 min

Lab File: VY022702.D

Acq: 16 Jun 2025 12:33

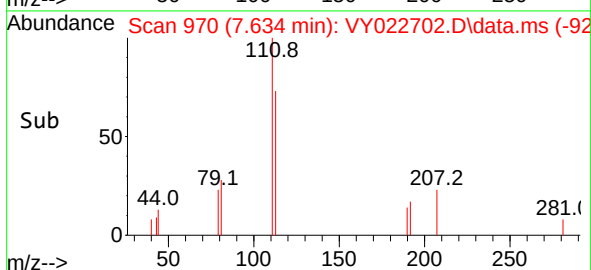
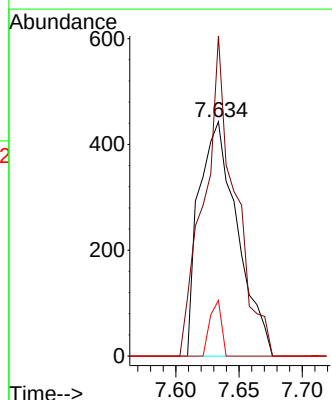
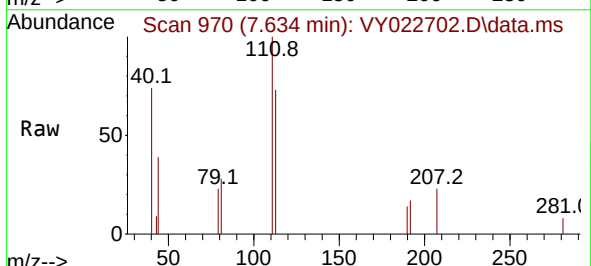
Tgt Ion:113 Resp: 937

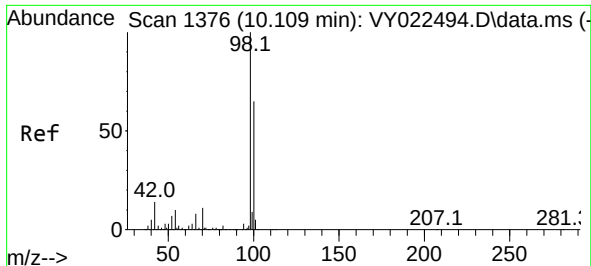
Ion Ratio Lower Upper

113 100

111 109.2 81.1 121.7

192 7.2 14.2 21.2#

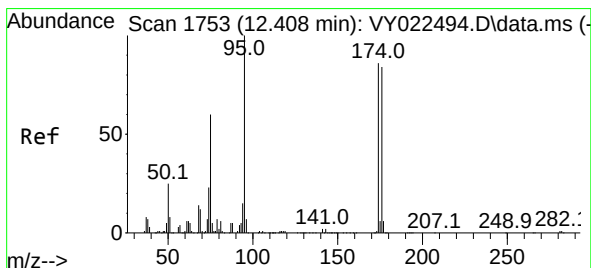
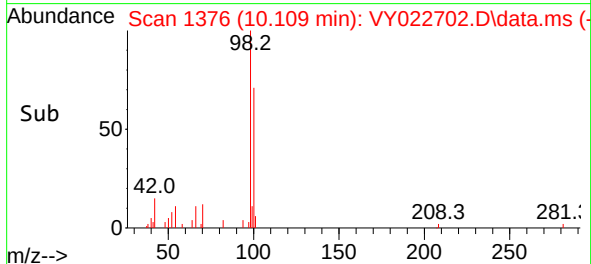
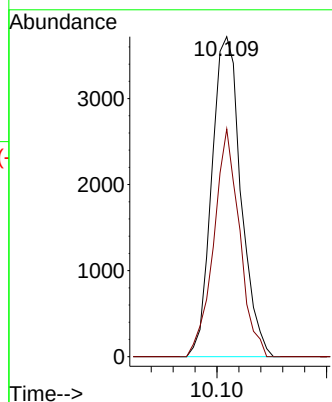
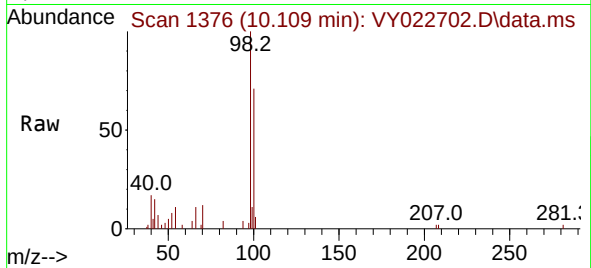




#50
Toluene-d8
Concen: 45.890 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022702.D
Acq: 16 Jun 2025 12:33

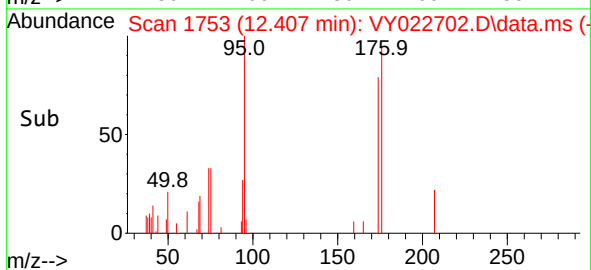
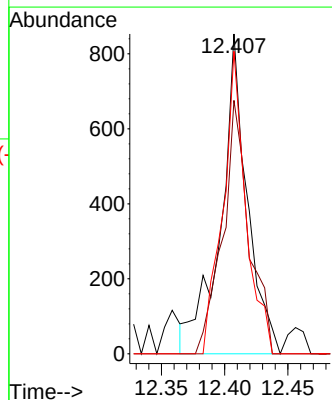
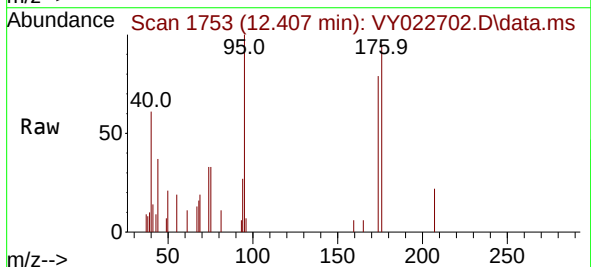
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-6132025

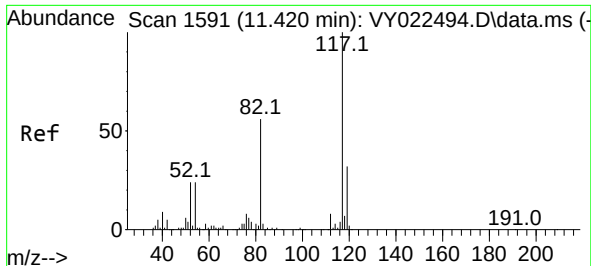
Tgt Ion: 98 Resp: 6862
Ion Ratio Lower Upper
98 100
100 63.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 27.922 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022702.D
Acq: 16 Jun 2025 12:33

Tgt Ion: 95 Resp: 1244
Ion Ratio Lower Upper
95 100
174 78.5 0.0 170.0
176 81.8 0.0 166.2

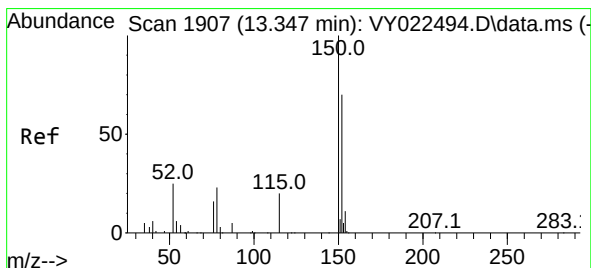
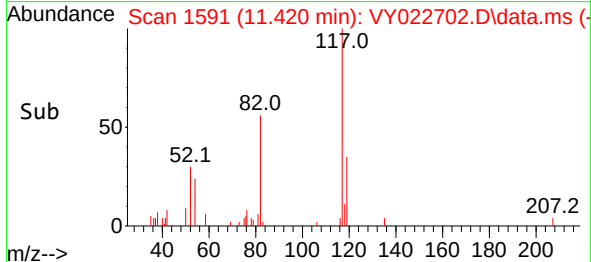
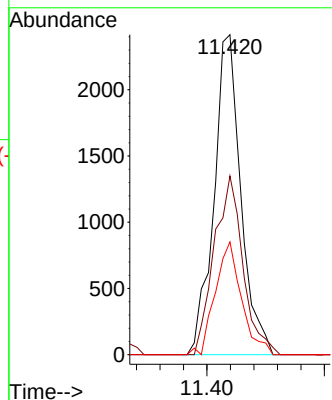
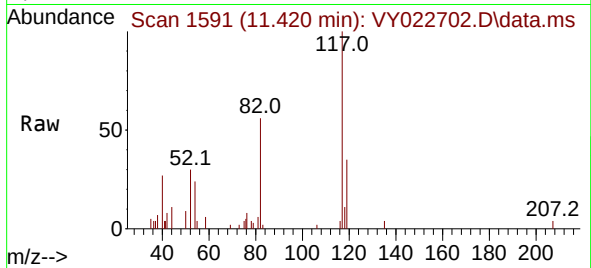




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022702.D
Acq: 16 Jun 2025 12:33

Instrument :
MSVOA_Y
ClientSampleId :
HD-01-6132025

Tgt Ion:	117	Resp:	3849
Ion Ratio	Lower	Upper	
117	100		
82	55.9	44.6	66.8
119	35.3	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: VY022702.D
Acq: 16 Jun 2025 12:33

Tgt Ion:	152	Resp:	809
Ion Ratio	Lower	Upper	
152	100		
115	70.7	28.9	86.7
150	167.1	0.0	349.6

