

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050825\
 Data File : VY022203.D
 Acq On : 08 May 2025 11:30
 Operator : SY/MD
 Sample : Q1978-01
 Misc : 5.76g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-12016

Quant Time: May 09 05:05:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	38963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	59234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	48933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	13531	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	19805	55.030	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.060%
35) Dibromofluoromethane	7.634	113	24787	63.340	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	126.680%
50) Toluene-d8	10.109	98	66992	45.409	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.820%
62) 4-Bromofluorobenzene	12.407	95	15423	31.054	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.100%

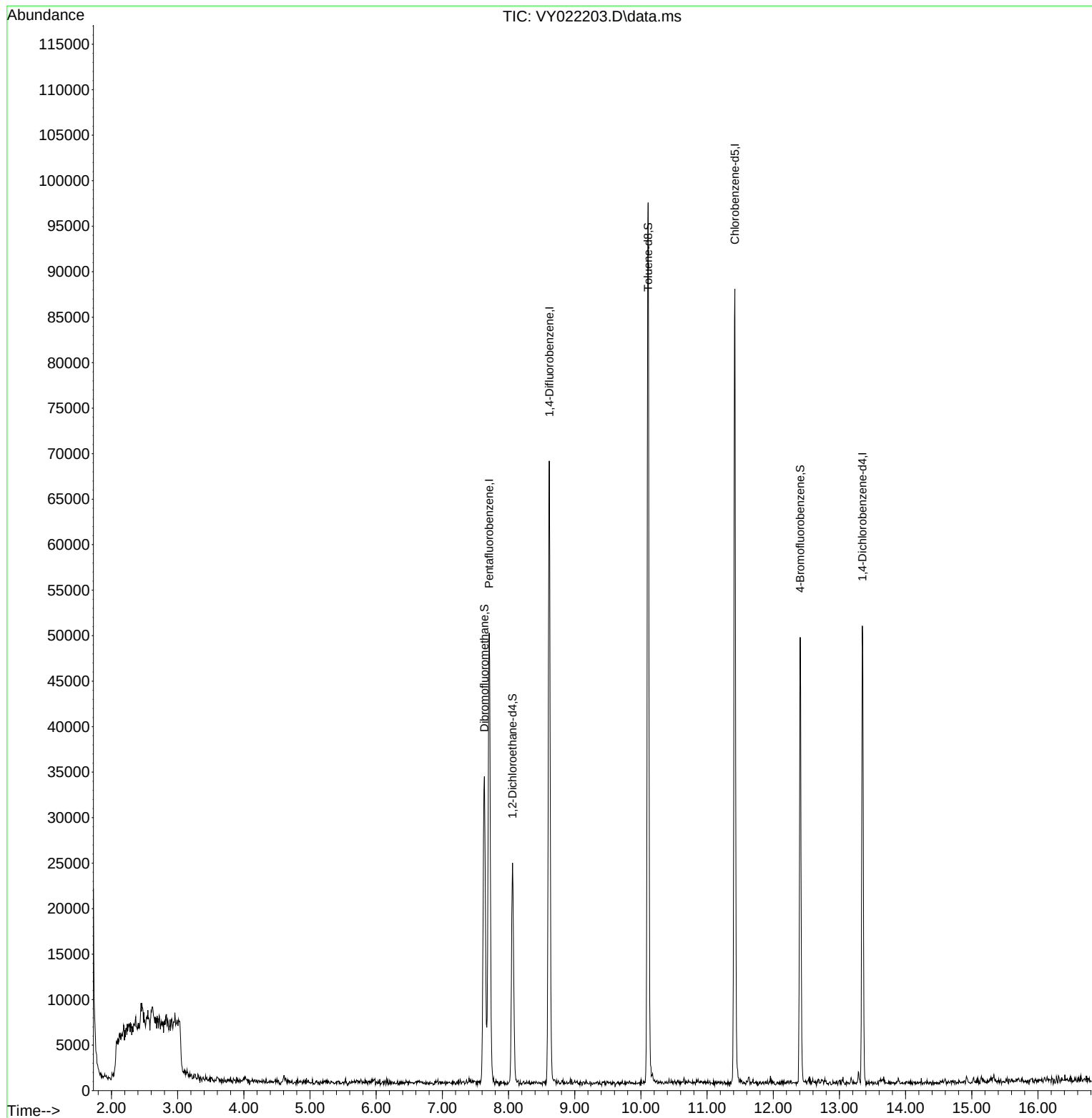
Target Compounds	Qvalue

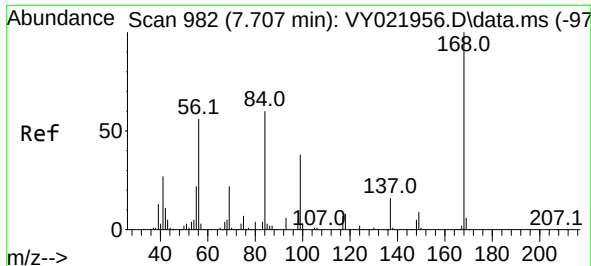
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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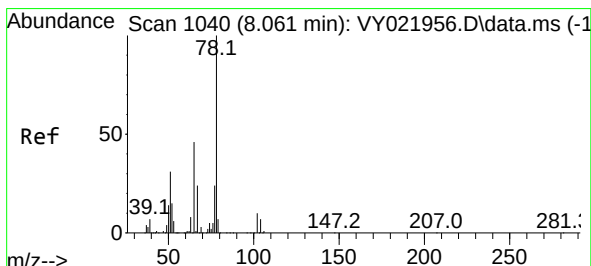
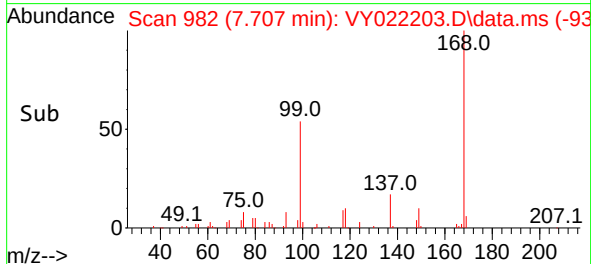
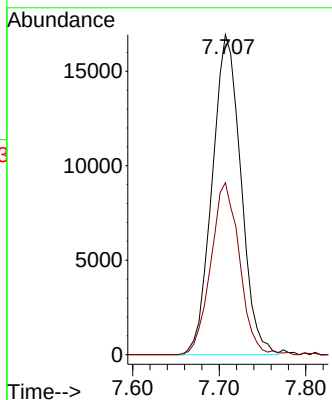
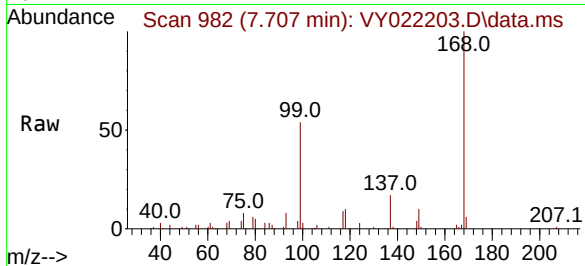




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022203.D
Acq: 08 May 2025 11:30

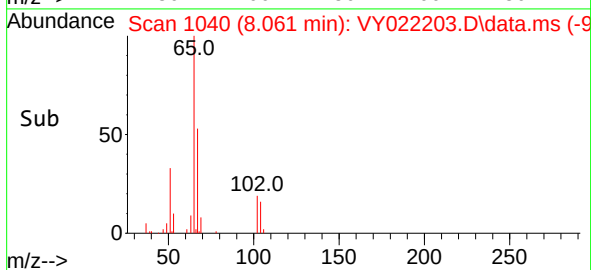
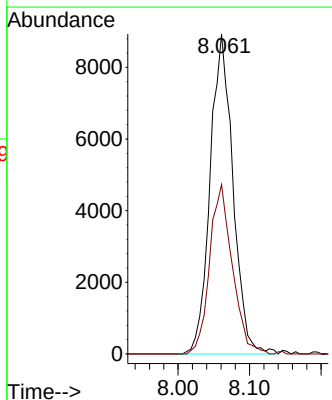
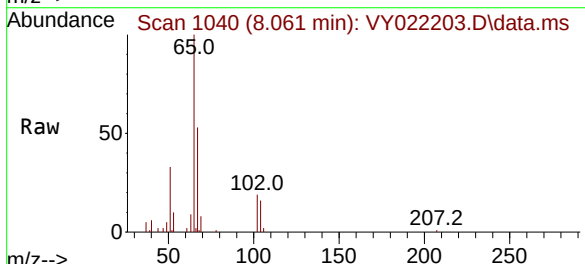
Instrument :
MSVOA_Y
ClientSampleId :
72-12016

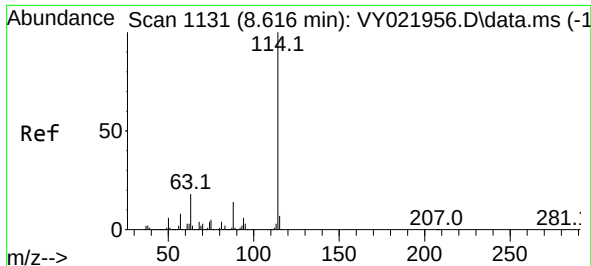
Tgt Ion:168 Resp: 38963
Ion Ratio Lower Upper
168 100
99 53.7 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 55.030 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022203.D
Acq: 08 May 2025 11:30

Tgt Ion: 65 Resp: 19805
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022203.D

Acq: 08 May 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

72-12016

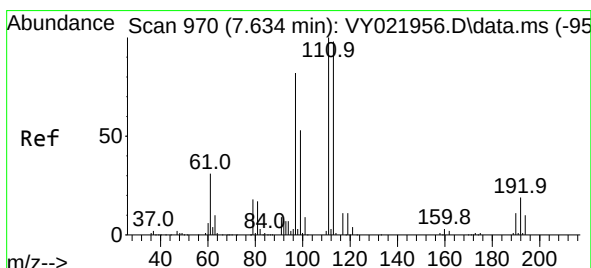
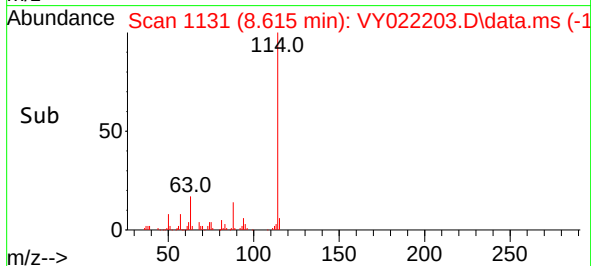
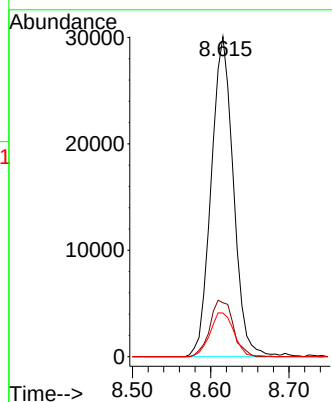
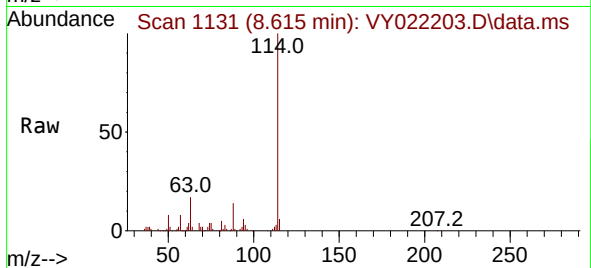
Tgt Ion:114 Resp: 59234

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

88 13.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 63.340 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022203.D

Acq: 08 May 2025 11:30

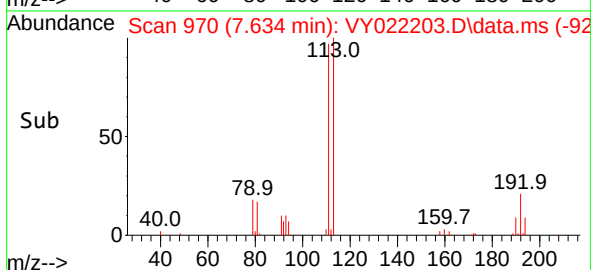
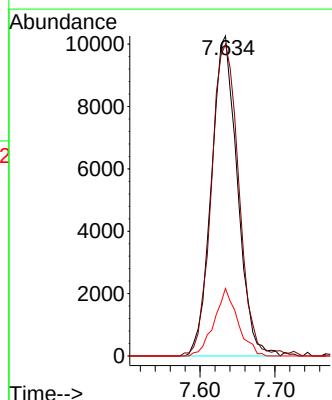
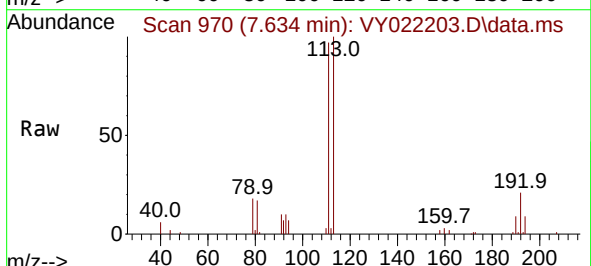
Tgt Ion:113 Resp: 24787

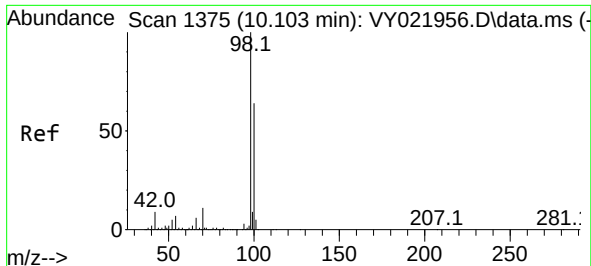
Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

192 19.2 15.6 23.4

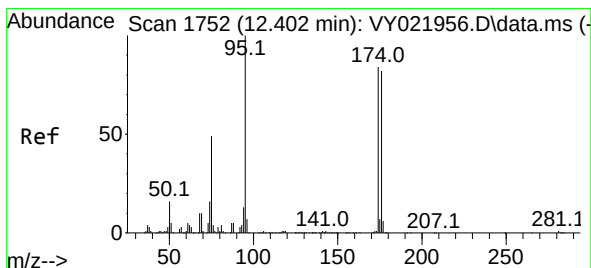
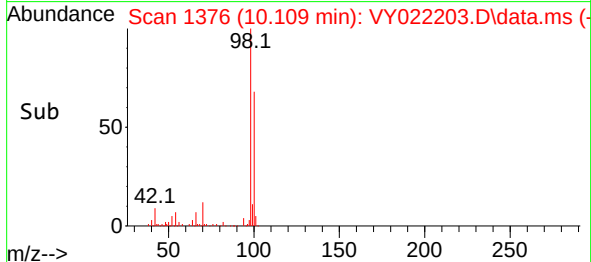
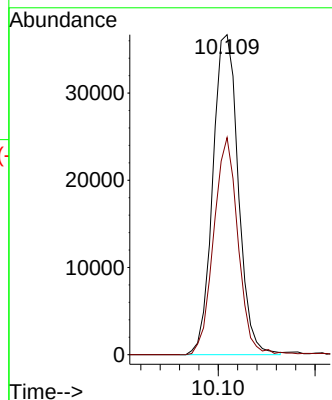
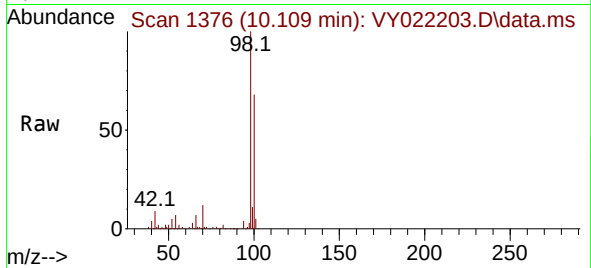




#50
Toluene-d8
Concen: 45.409 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022203.D
Acq: 08 May 2025 11:30

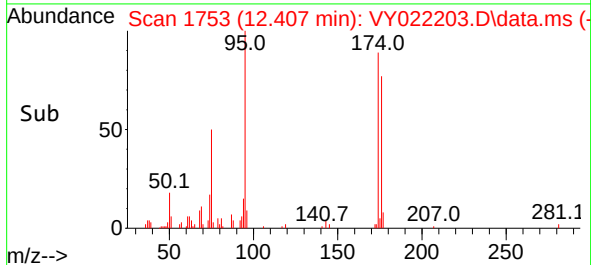
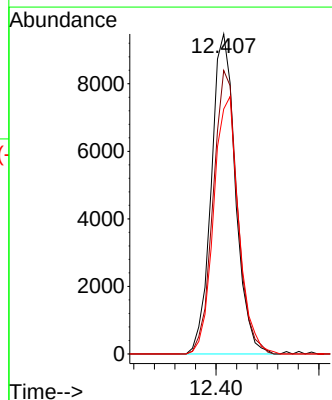
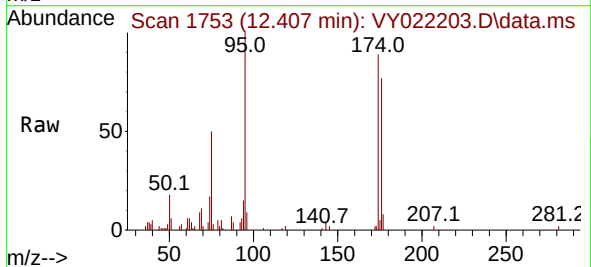
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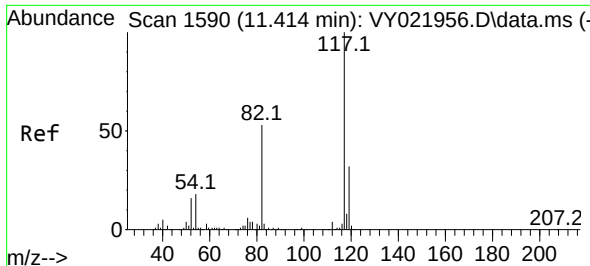
Tgt Ion: 98 Resp: 66992
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 31.054 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022203.D
Acq: 08 May 2025 11:30

Tgt Ion: 95 Resp: 15423
Ion Ratio Lower Upper
95 100
174 89.4 0.0 179.0
176 83.4 0.0 171.8

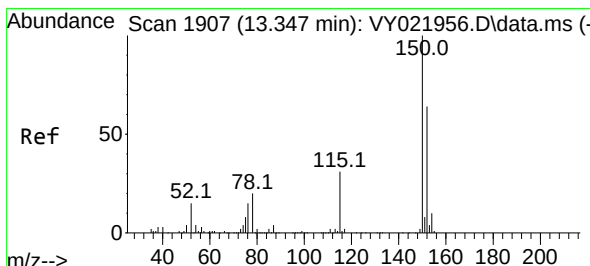
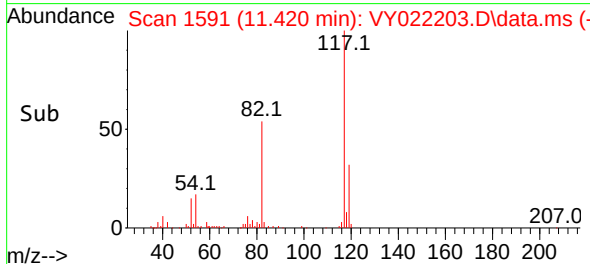
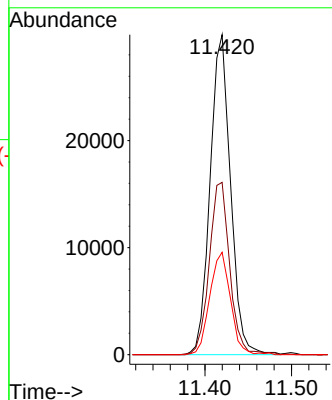
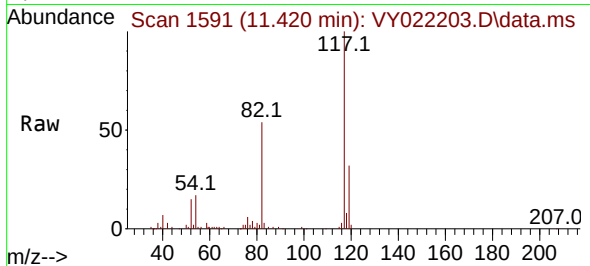




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY022203.D
Acq: 08 May 2025 11:30

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion:117 Resp: 48933
Ion Ratio Lower Upper
117 100
82 53.8 42.1 63.1
119 32.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022203.D
Acq: 08 May 2025 11:30

Tgt Ion:152 Resp: 13531
Ion Ratio Lower Upper
152 100
115 56.5 28.0 84.0
150 153.0 0.0 345.6

