

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022225.D
 Acq On : 12 May 2025 15:25
 Operator : SY/MD
 Sample : Q1986-05
 Misc : 5.41g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-10

Quant Time: May 13 02:21:47 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	139984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	248813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	213159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	82267	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	78090	60.394	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.780%
35) Dibromofluoromethane	7.634	113	89641	54.533	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.060%
50) Toluene-d8	10.109	98	301278	48.616	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.240%
62) 4-Bromofluorobenzene	12.407	95	77203	37.007	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.020%

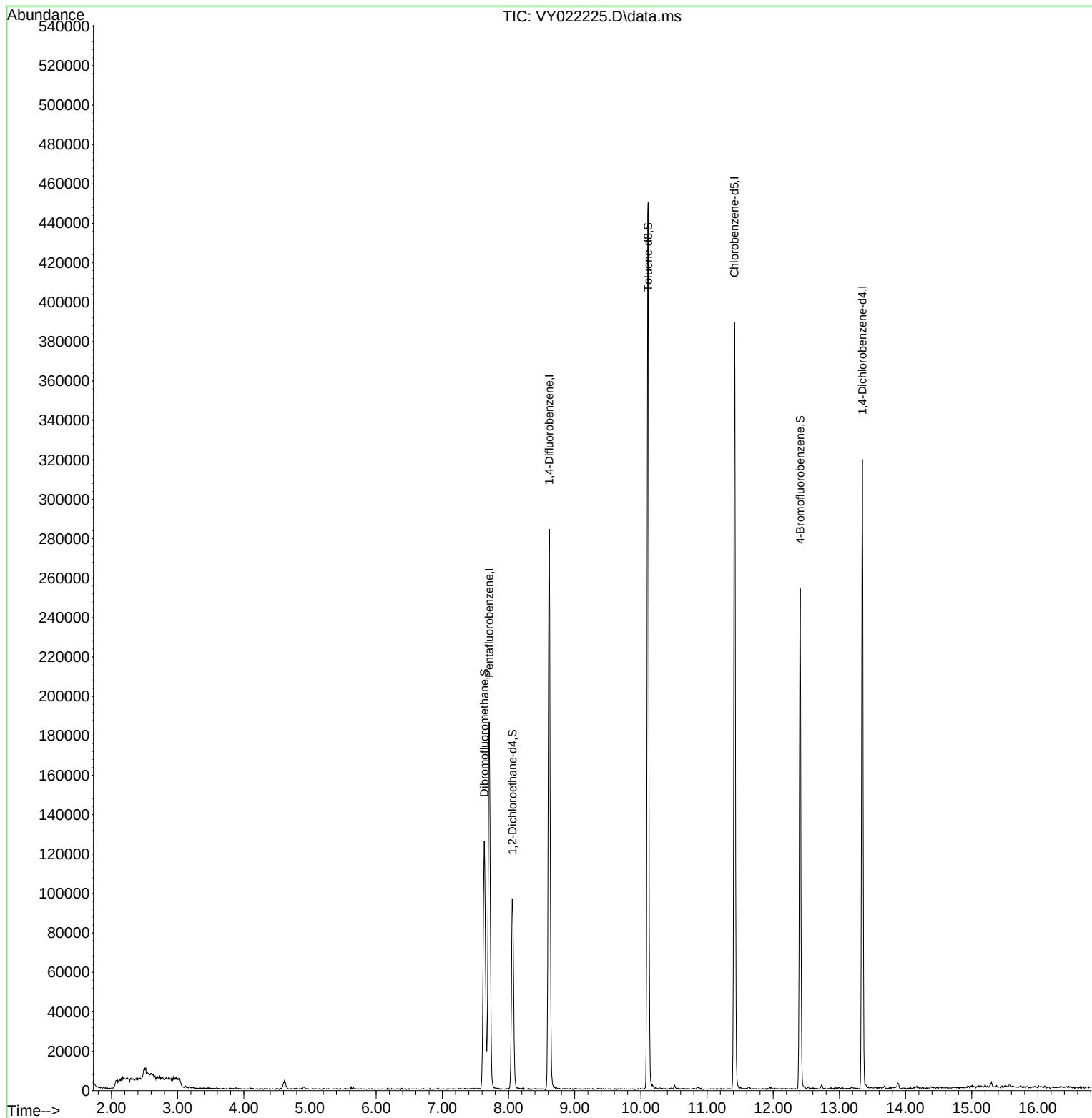
Target Compounds	Qvalue

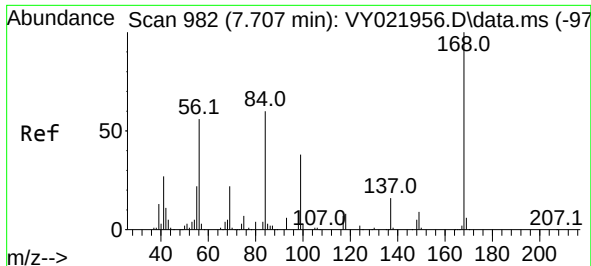
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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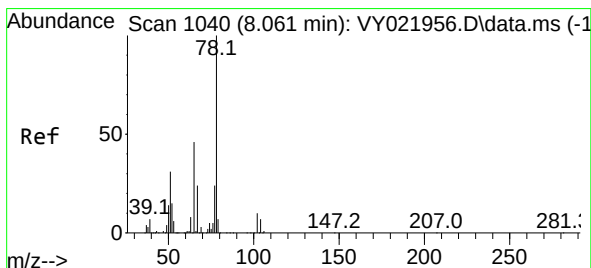
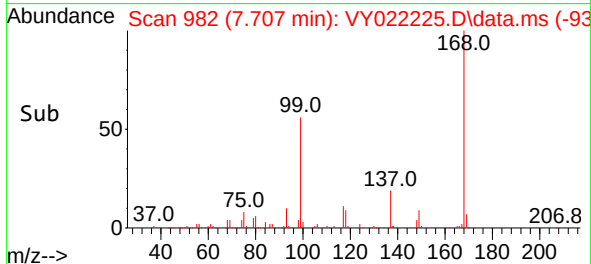
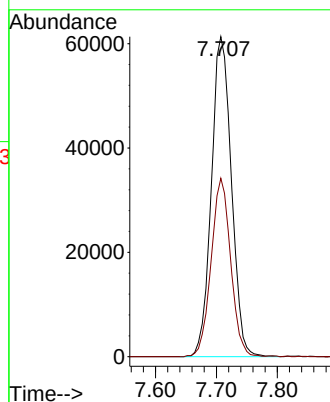
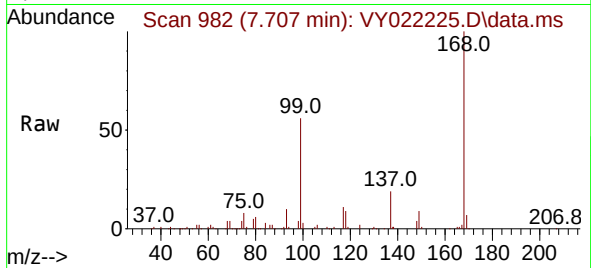




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022225.D
Acq: 12 May 2025 15:25

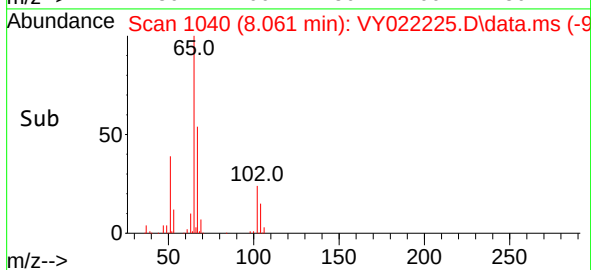
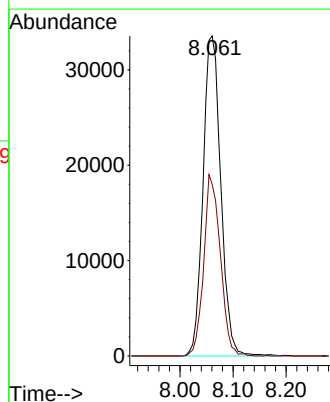
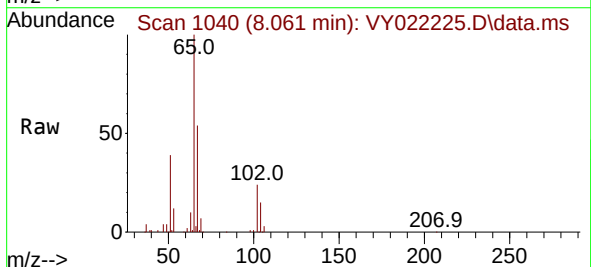
Instrument :
MSVOA_Y
ClientSampleId :
COMP-10

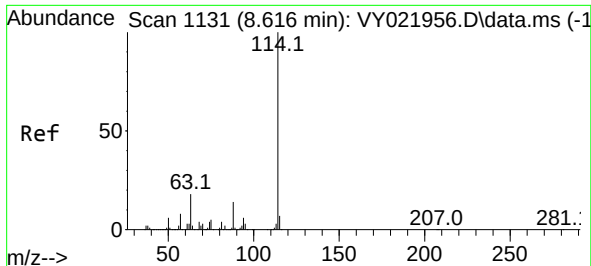
Tgt Ion:168 Resp: 139984
Ion Ratio Lower Upper
168 100
99 55.7 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 60.394 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022225.D
Acq: 12 May 2025 15:25

Tgt Ion: 65 Resp: 78090
Ion Ratio Lower Upper
65 100
67 52.8 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: VY022225.D

Acq: 12 May 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

COMP-10

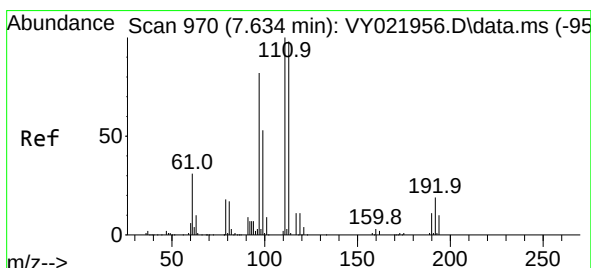
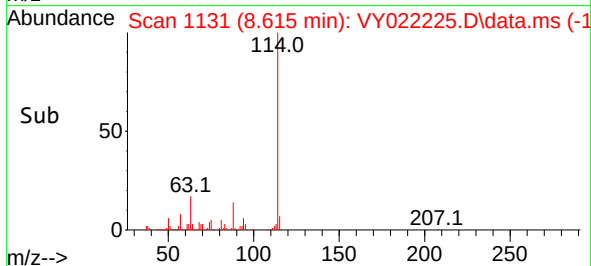
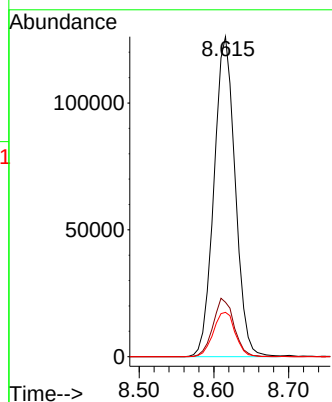
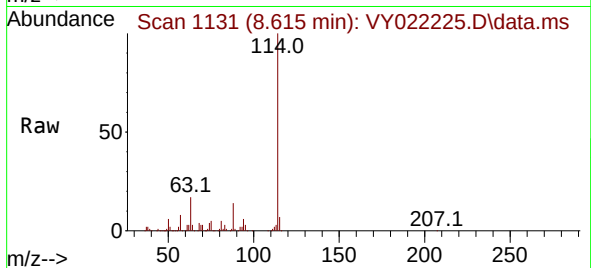
Tgt Ion:114 Resp: 248813

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

88 13.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 54.533 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022225.D

Acq: 12 May 2025 15:25

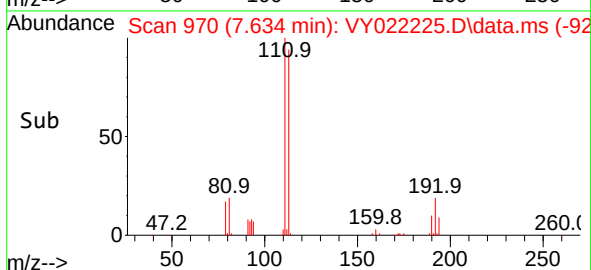
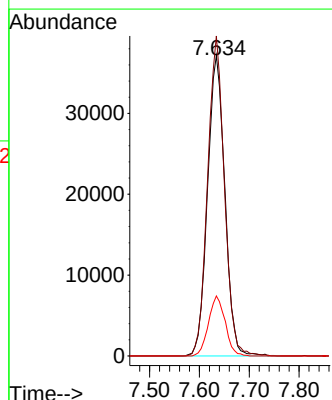
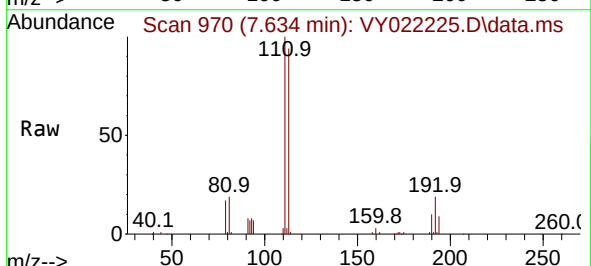
Tgt Ion:113 Resp: 89641

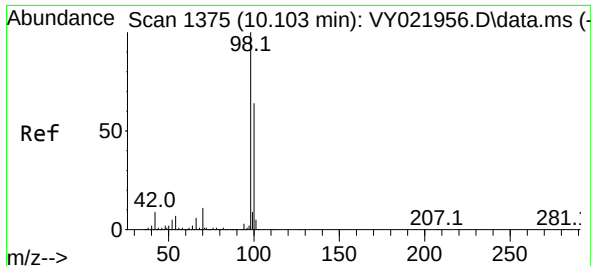
Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

192 19.2 15.6 23.4

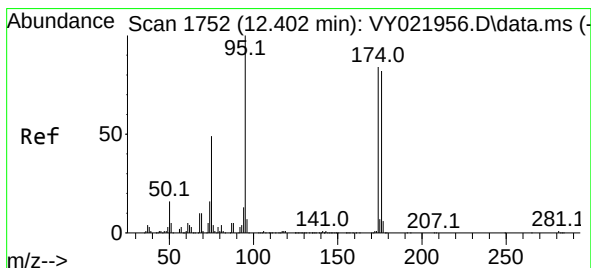
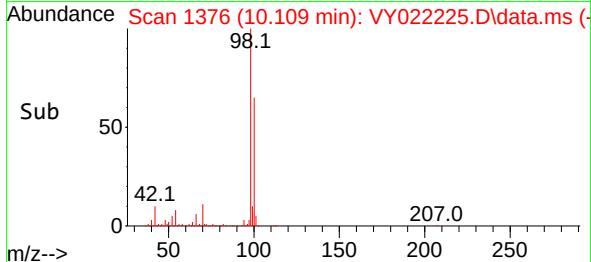
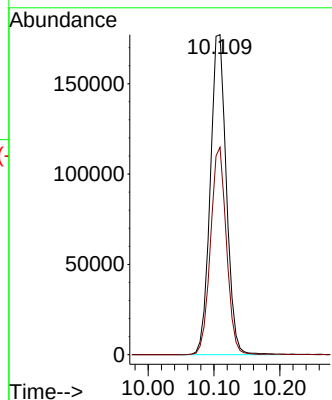
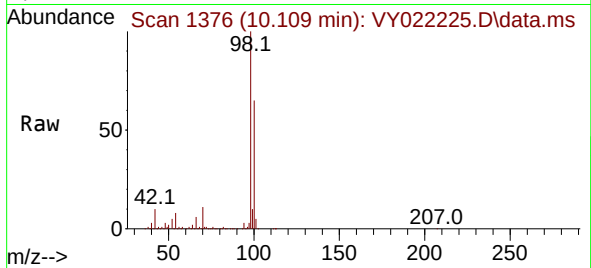




#50
Toluene-d8
Concen: 48.616 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022225.D
Acq: 12 May 2025 15:25

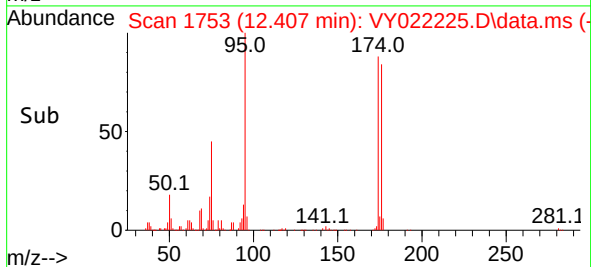
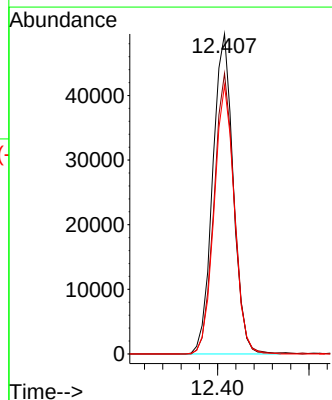
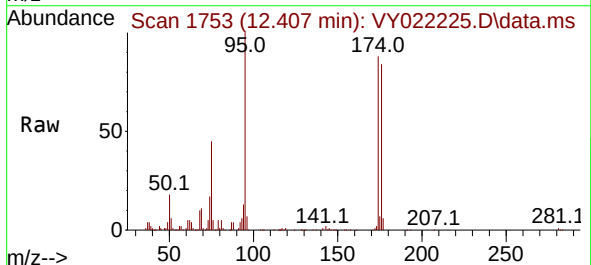
Instrument :
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COMP-10

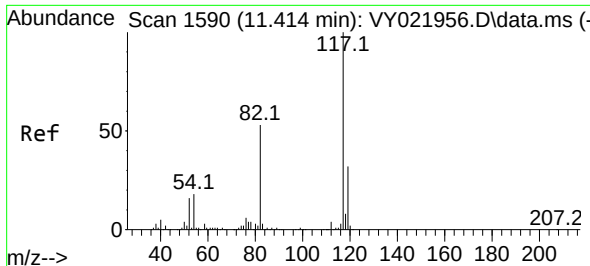
Tgt Ion: 98 Resp: 301278
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 37.007 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022225.D
Acq: 12 May 2025 15:25

Tgt Ion: 95 Resp: 77203
Ion Ratio Lower Upper
95 100
174 86.8 0.0 179.0
176 82.8 0.0 171.8

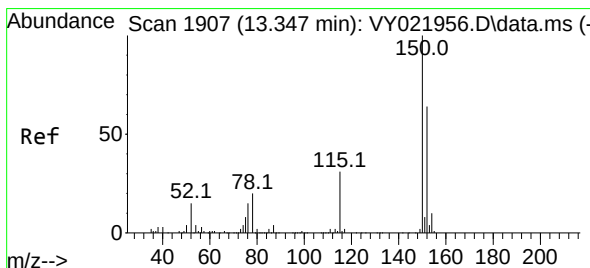
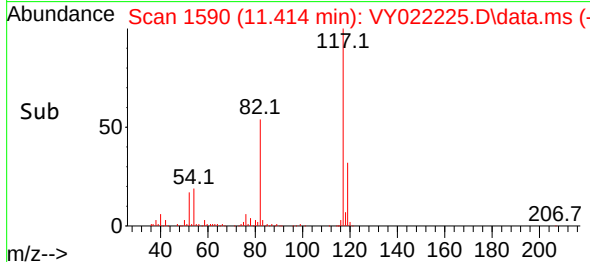
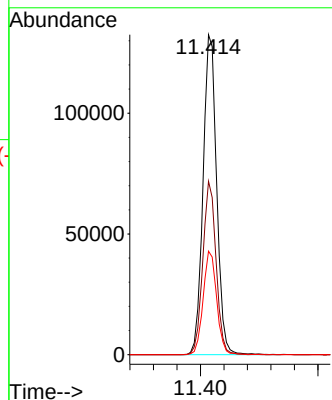
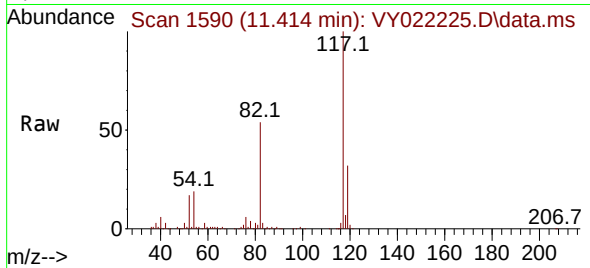




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022225.D
Acq: 12 May 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
COMP-10

Tgt Ion:117 Resp: 213159
Ion Ratio Lower Upper
117 100
82 54.2 42.1 63.1
119 32.4 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: VY022225.D
Acq: 12 May 2025 15:25

Tgt Ion:152 Resp: 82267
Ion Ratio Lower Upper
152 100
115 57.0 28.0 84.0
150 157.6 0.0 345.6

