

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021325\
 Data File : VY021195.D
 Acq On : 13 Feb 2025 16:51
 Operator : SY/MD
 Sample : Q1365-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11995

Quant Time: Feb 14 00:46:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	2455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	3952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	2211	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	332	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	1864	74.105	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	148.220%
35) Dibromofluoromethane	7.634	113	1622	64.042	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	128.080%
50) Toluene-d8	10.115	98	4208	43.642	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.280%
62) 4-Bromofluorobenzene	12.414	95	476	15.111	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	30.220%

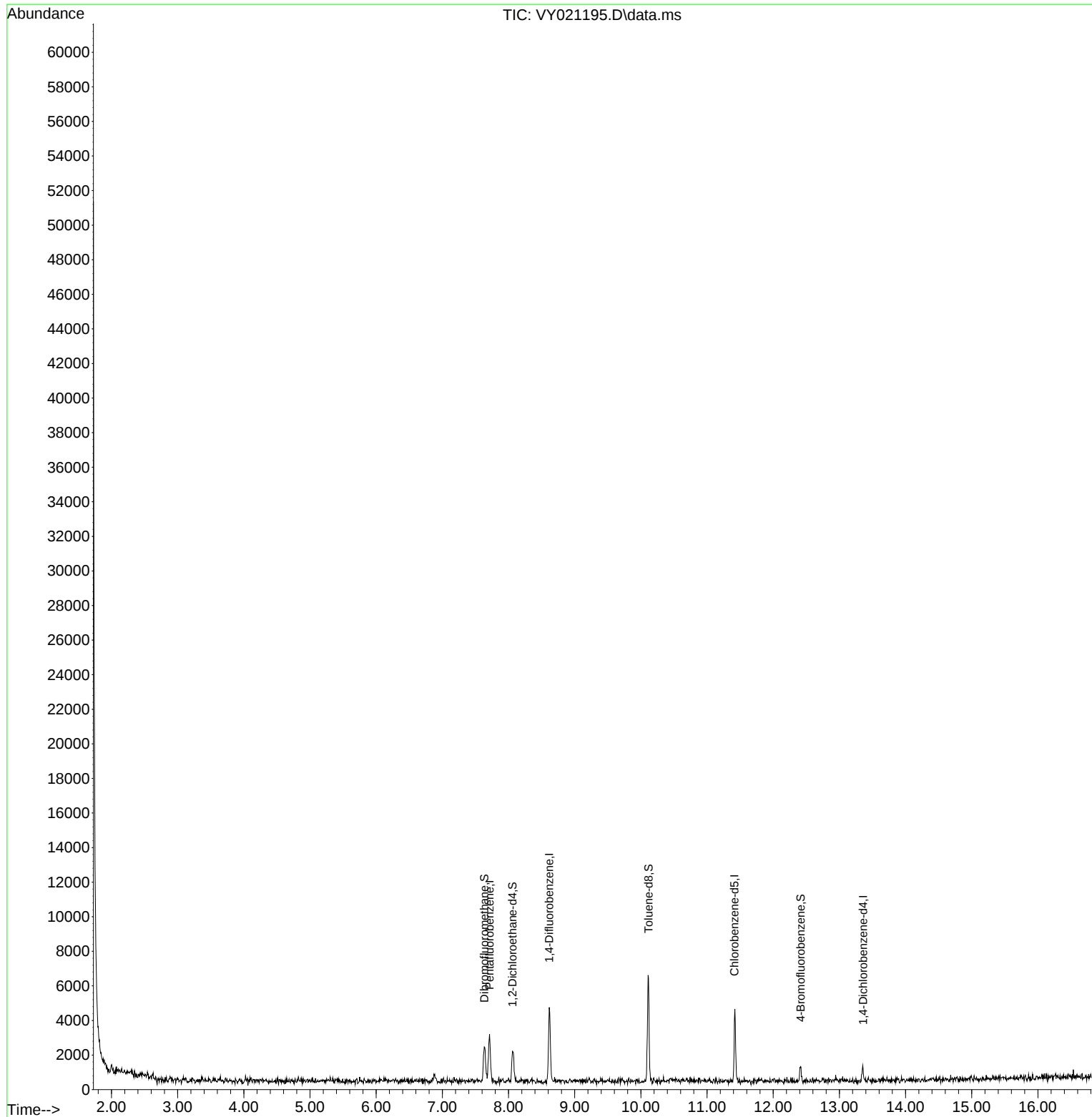
Target Compounds	Qvalue

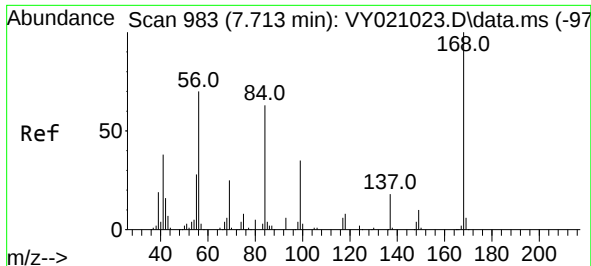
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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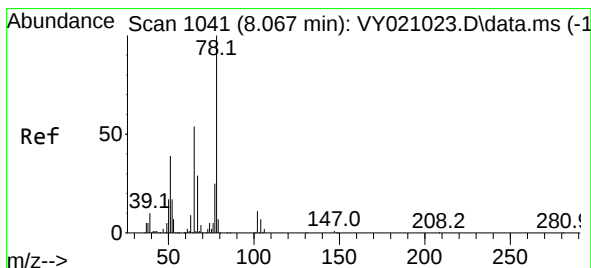
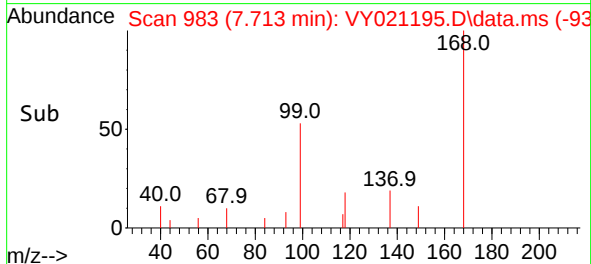
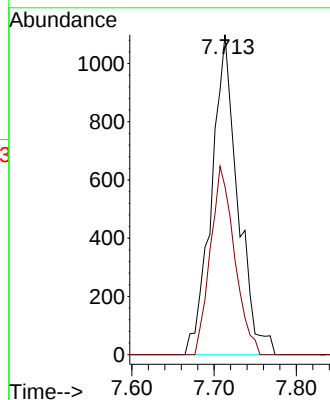
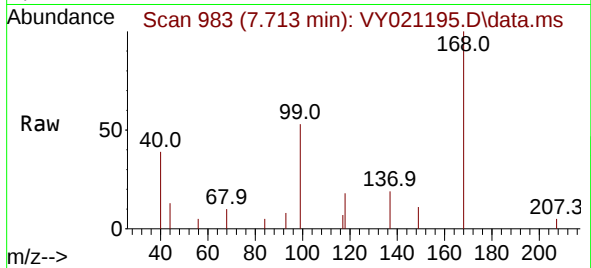




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021195.D
Acq: 13 Feb 2025 16:51

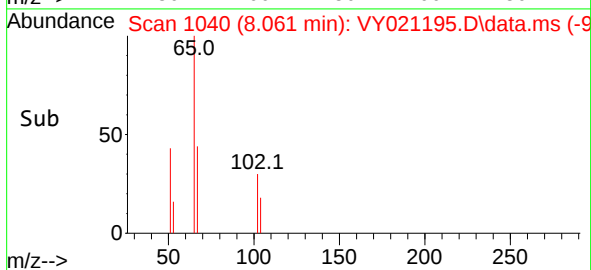
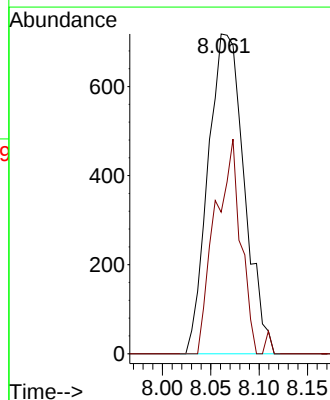
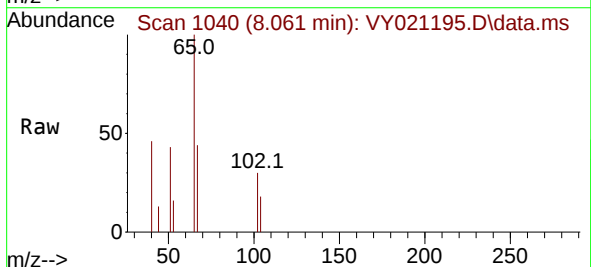
Instrument :
MSVOA_Y
ClientSampleId :
72-11995

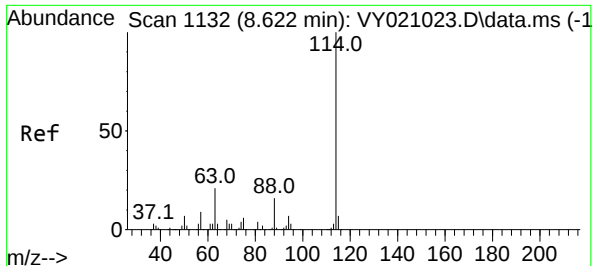
Tgt Ion:168 Resp: 2455
Ion Ratio Lower Upper
168 100
99 52.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 74.105 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021195.D
Acq: 13 Feb 2025 16:51

Tgt Ion: 65 Resp: 1864
Ion Ratio Lower Upper
65 100
67 47.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021195.D

Acq: 13 Feb 2025 16:51

Instrument :

MSVOA_Y

ClientSampleId :

72-11995

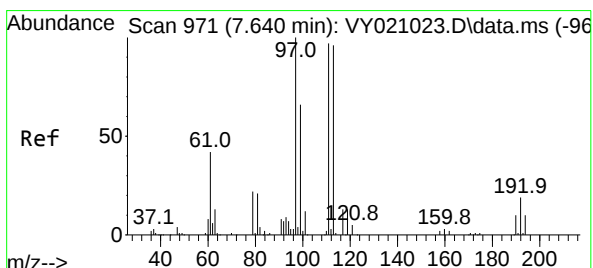
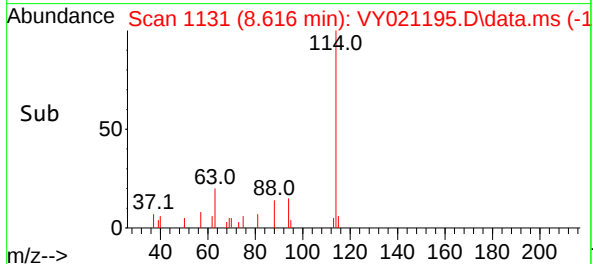
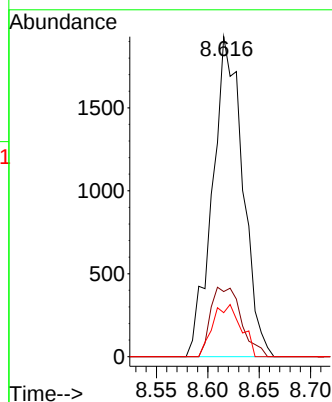
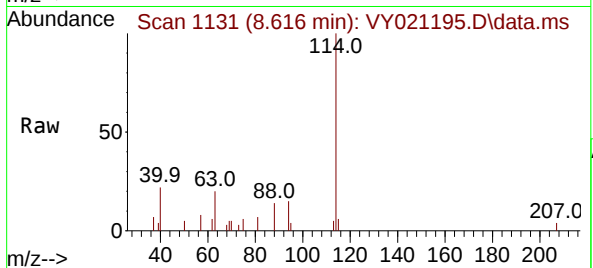
Tgt Ion:114 Resp: 3952

Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

88 13.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 64.042 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021195.D

Acq: 13 Feb 2025 16:51

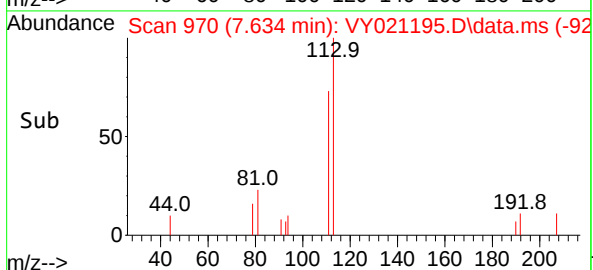
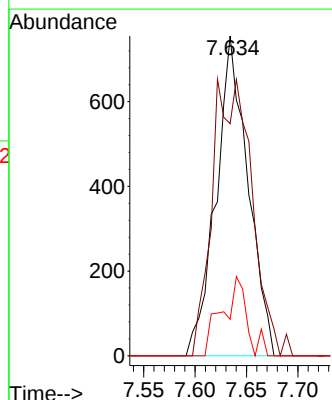
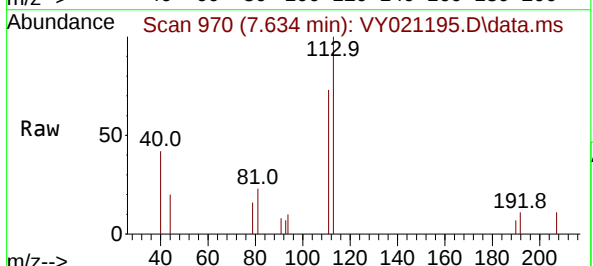
Tgt Ion:113 Resp: 1622

Ion Ratio Lower Upper

113 100

111 53.4 83.8 125.6#

192 17.8 14.5 21.7

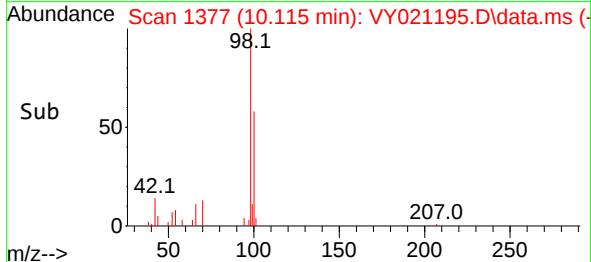
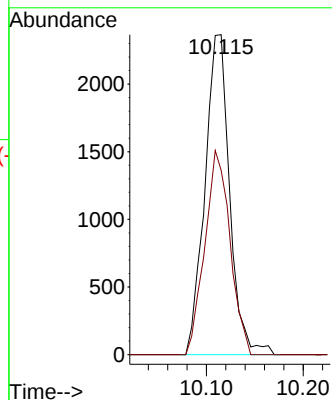
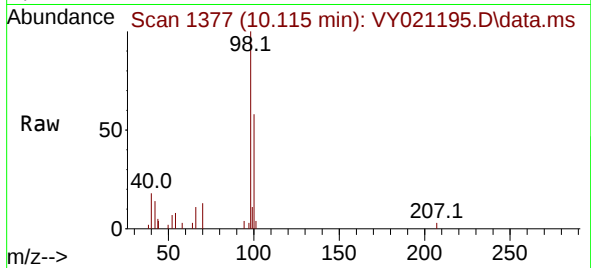




#50
Toluene-d8
Concen: 43.642 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021195.D
Acq: 13 Feb 2025 16:51

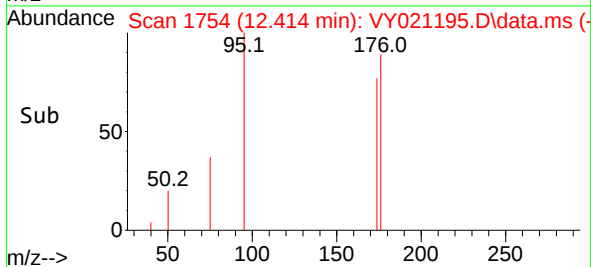
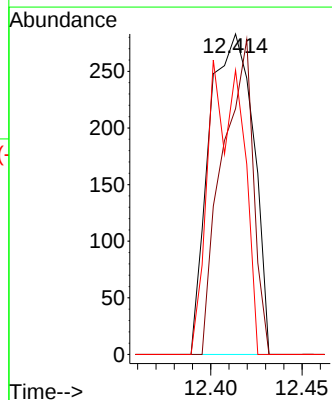
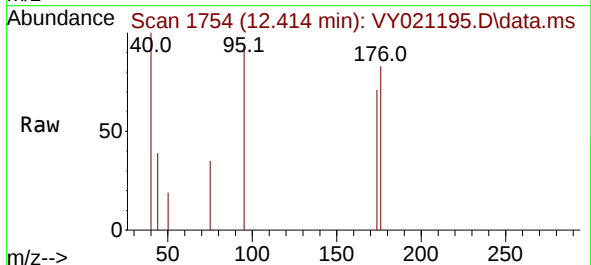
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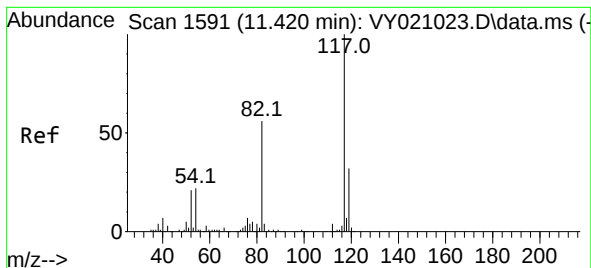
Tgt Ion: 98 Resp: 4208
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 15.111 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021195.D
Acq: 13 Feb 2025 16:51

Tgt Ion: 95 Resp: 476
Ion Ratio Lower Upper
95 100
174 68.9 0.0 160.0
176 71.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021195.D

Acq: 13 Feb 2025 16:51

Instrument :

MSVOA_Y

ClientSampleId :

72-11995

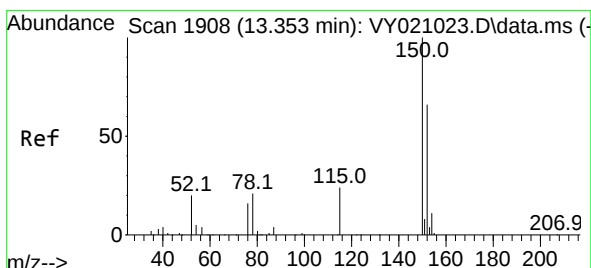
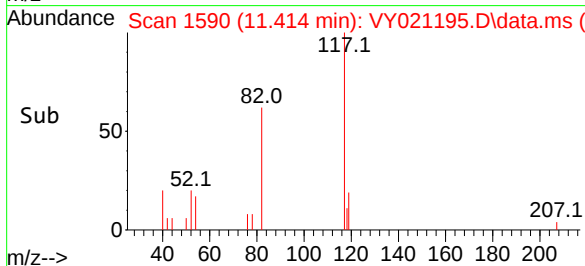
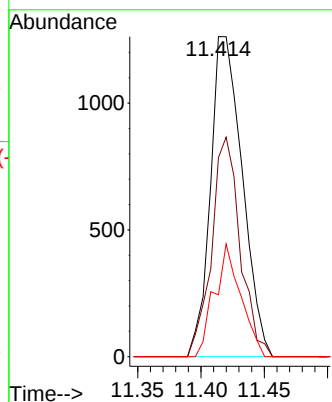
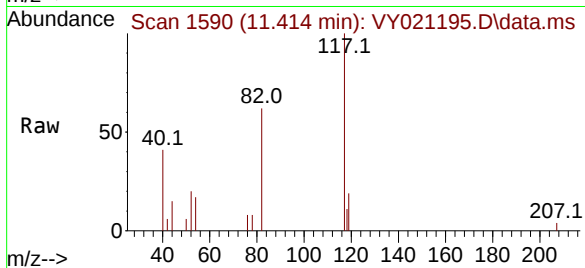
Tgt Ion:117 Resp: 2211

Ion Ratio Lower Upper

117 100

82 62.2 43.8 65.8

119 19.3 26.5 39.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY021195.D

Acq: 13 Feb 2025 16:51

Tgt Ion:152 Resp: 332

Ion Ratio Lower Upper

152 100

115 44.0 30.0 90.0

150 153.0 0.0 344.6

