

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022576.D
 Acq On : 05 Jun 2025 15:55
 Operator : SY/MD
 Sample : Q2207-02
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-01

Quant Time: Jun 06 01:26:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	437781	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	805645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	666580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	251074	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	243722	49.776	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.560%
35) Dibromofluoromethane	7.628	113	242514	50.432	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.860%
50) Toluene-d8	10.103	98	997585	51.342	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.680%
62) 4-Bromofluorobenzene	12.401	95	251175	43.386	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.780%

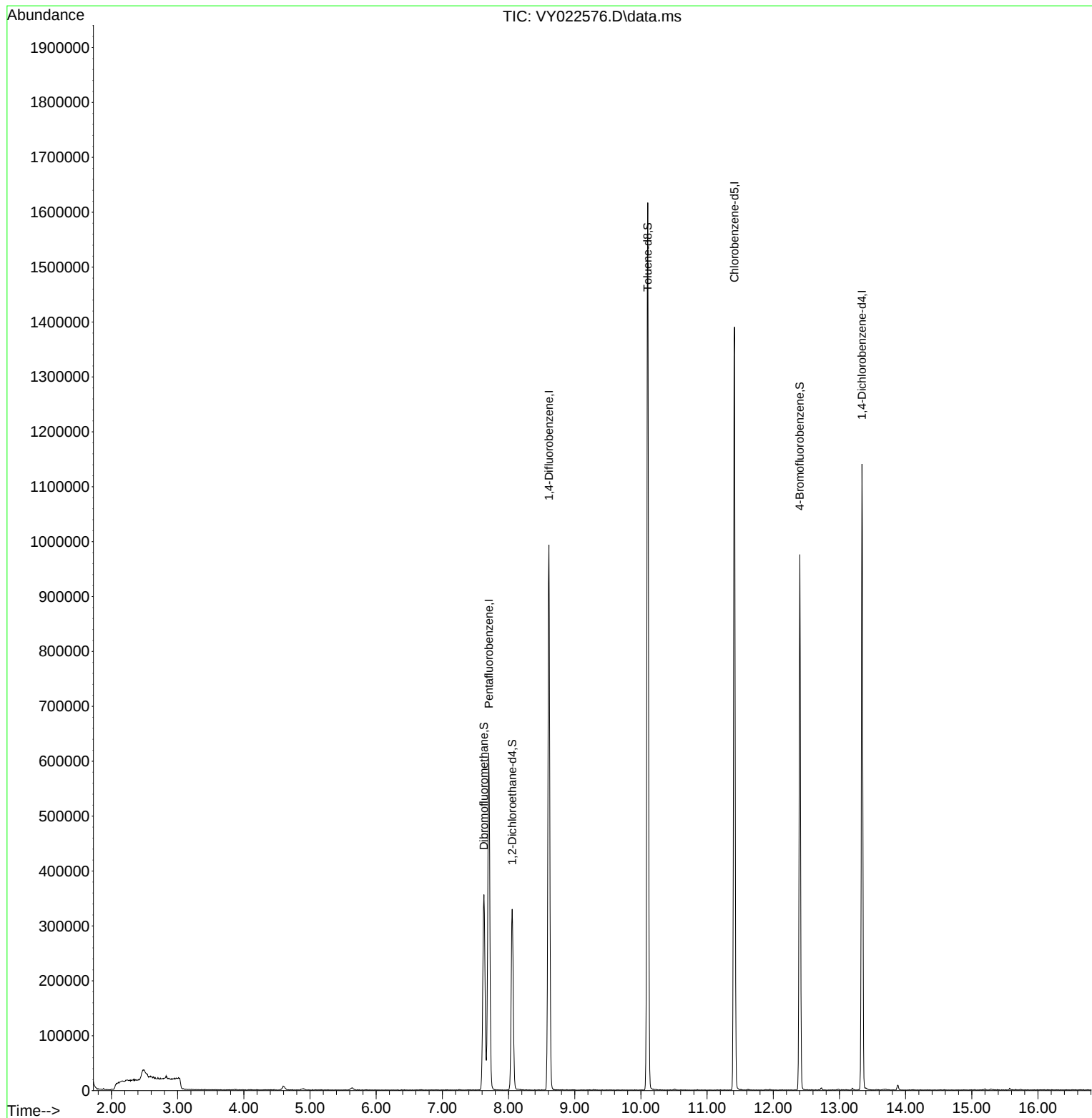
Target Compounds	Qvalue

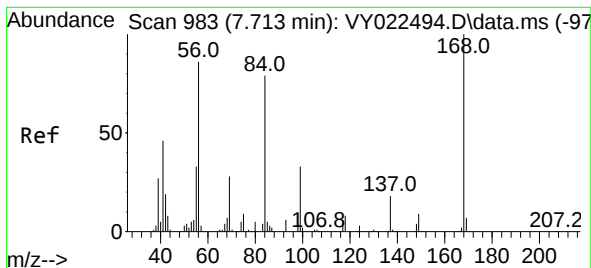
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY022576.D

Acq: 05 Jun 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

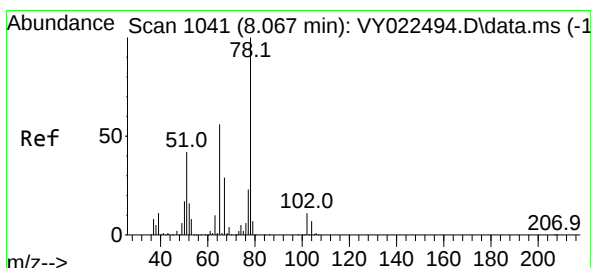
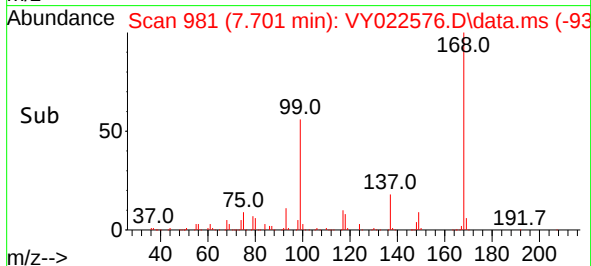
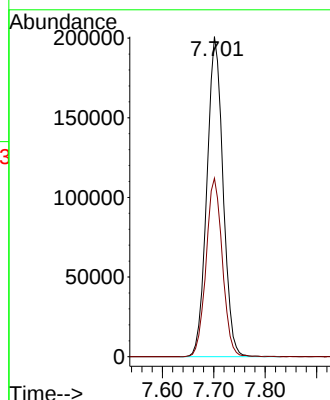
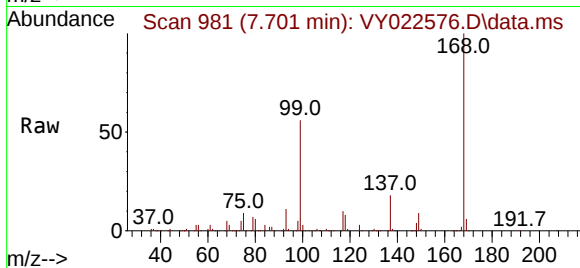
BU-703-VOC-01

Tgt Ion:168 Resp: 437781

Ion Ratio Lower Upper

168 100

99 55.8 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 49.776 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022576.D

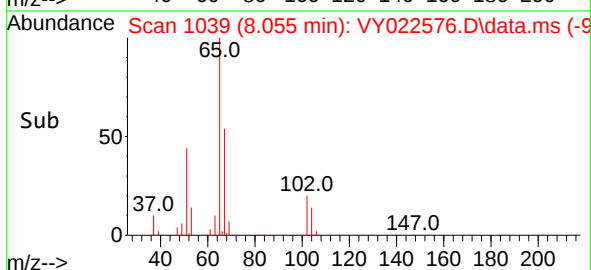
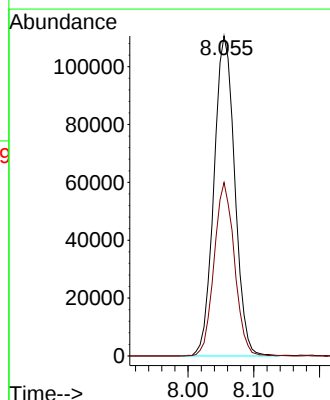
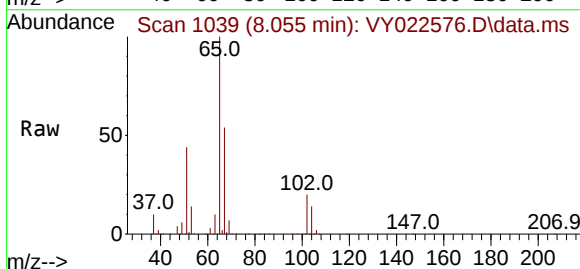
Acq: 05 Jun 2025 15:55

Tgt Ion: 65 Resp: 243722

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4

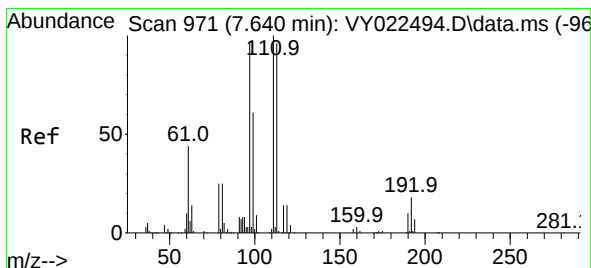
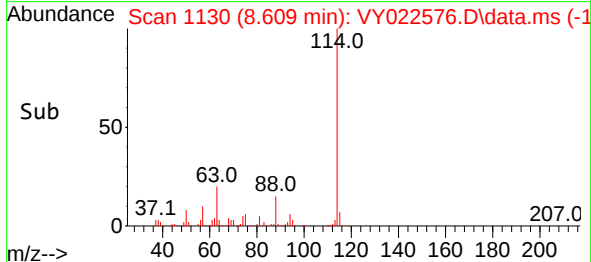
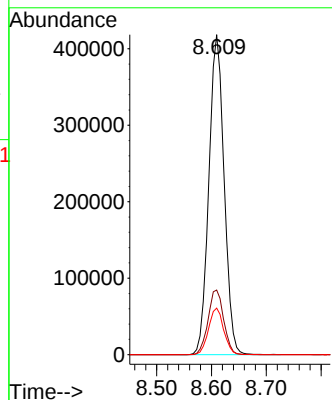
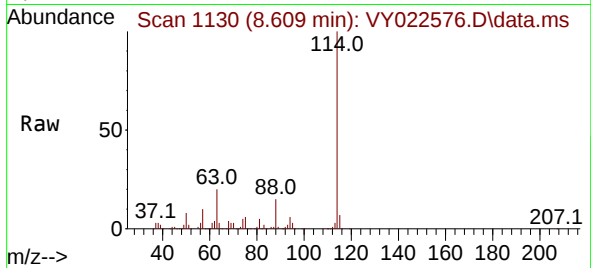




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022576.D
Acq: 05 Jun 2025 15:55

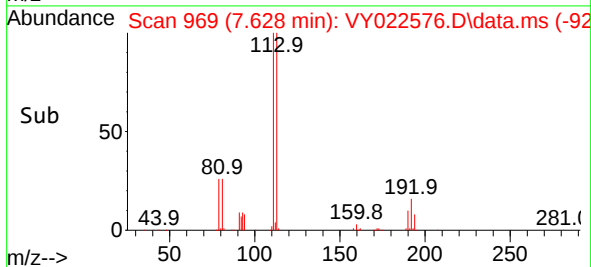
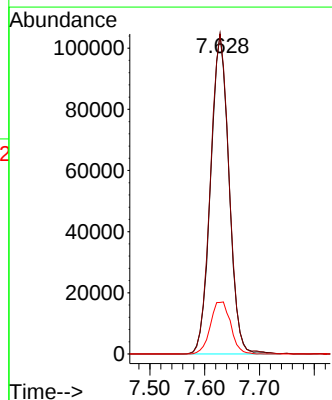
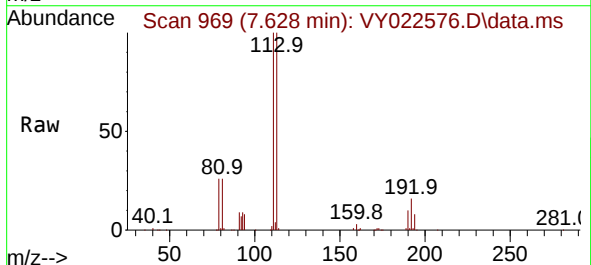
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-01

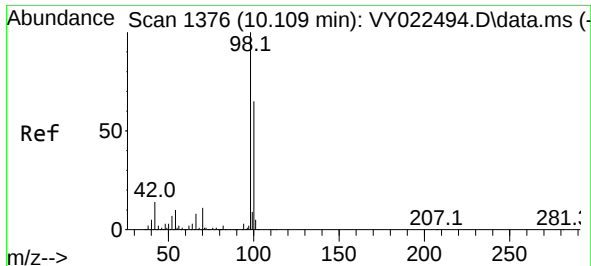
Tgt Ion:114 Resp: 805645
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 14.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.432 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022576.D
Acq: 05 Jun 2025 15:55

Tgt Ion:113 Resp: 242514
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 18.0 14.2 21.2

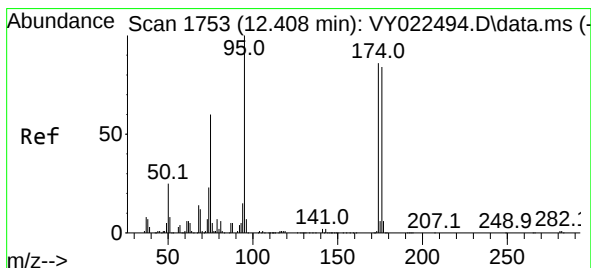
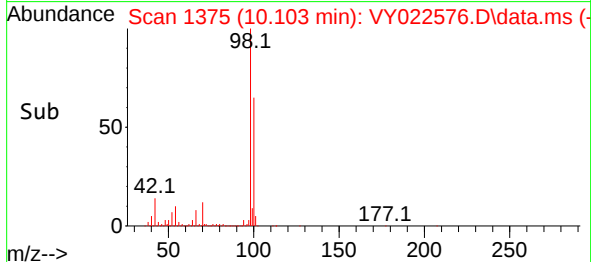
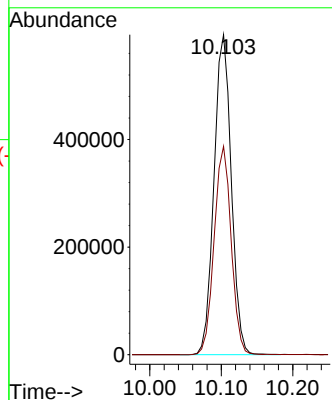
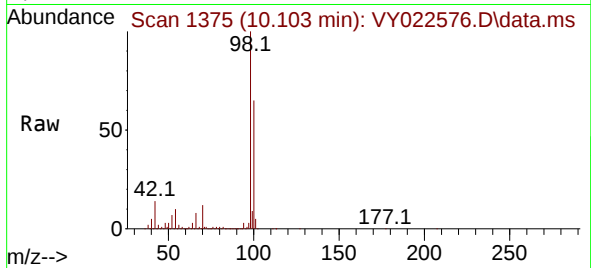




#50
Toluene-d8
Concen: 51.342 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022576.D
Acq: 05 Jun 2025 15:55

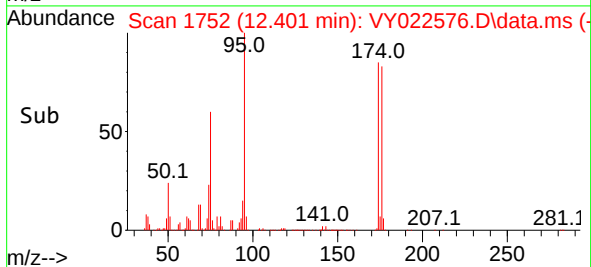
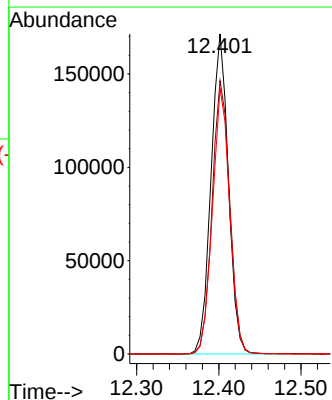
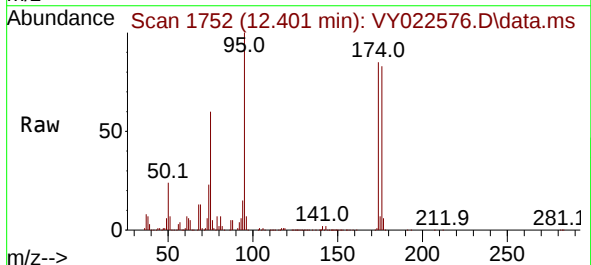
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BU-703-VOC-01

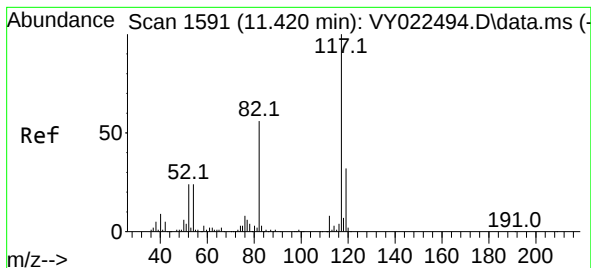
Tgt Ion: 98 Resp: 997585
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.386 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022576.D
Acq: 05 Jun 2025 15:55

Tgt Ion: 95 Resp: 251175
Ion Ratio Lower Upper
95 100
174 87.0 0.0 170.0
176 82.8 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022576.D

Acq: 05 Jun 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-01

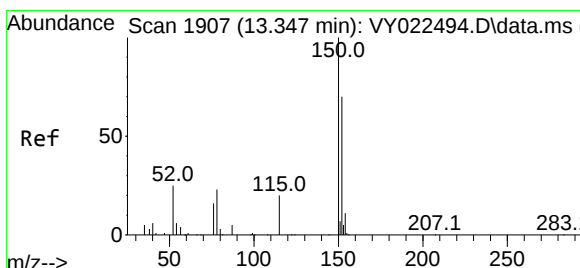
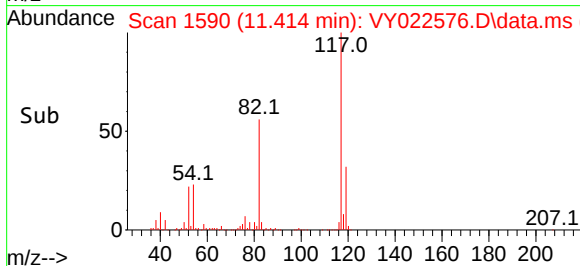
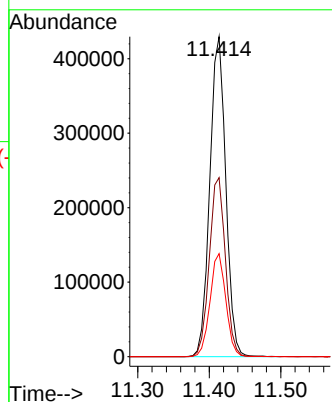
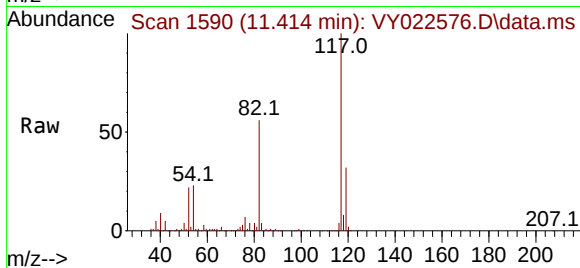
Tgt Ion:117 Resp: 666580

Ion Ratio Lower Upper

117 100

82 55.9 44.6 66.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022576.D

Acq: 05 Jun 2025 15:55

Tgt Ion:152 Resp: 251074

Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.7

150 158.4 0.0 349.6

