

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022459.D
 Acq On : 29 May 2025 12:02
 Operator : SY/MD
 Sample : Q2147-02
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: May 30 05:33:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	22984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	34413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	20399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	4357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	9314	38.473	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.940%
35) Dibromofluoromethane	7.634	113	8261	40.991	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.980%
50) Toluene-d8	10.109	98	36296	44.179	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.360%
62) 4-Bromofluorobenzene	12.408	95	5950	23.943	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	47.880%

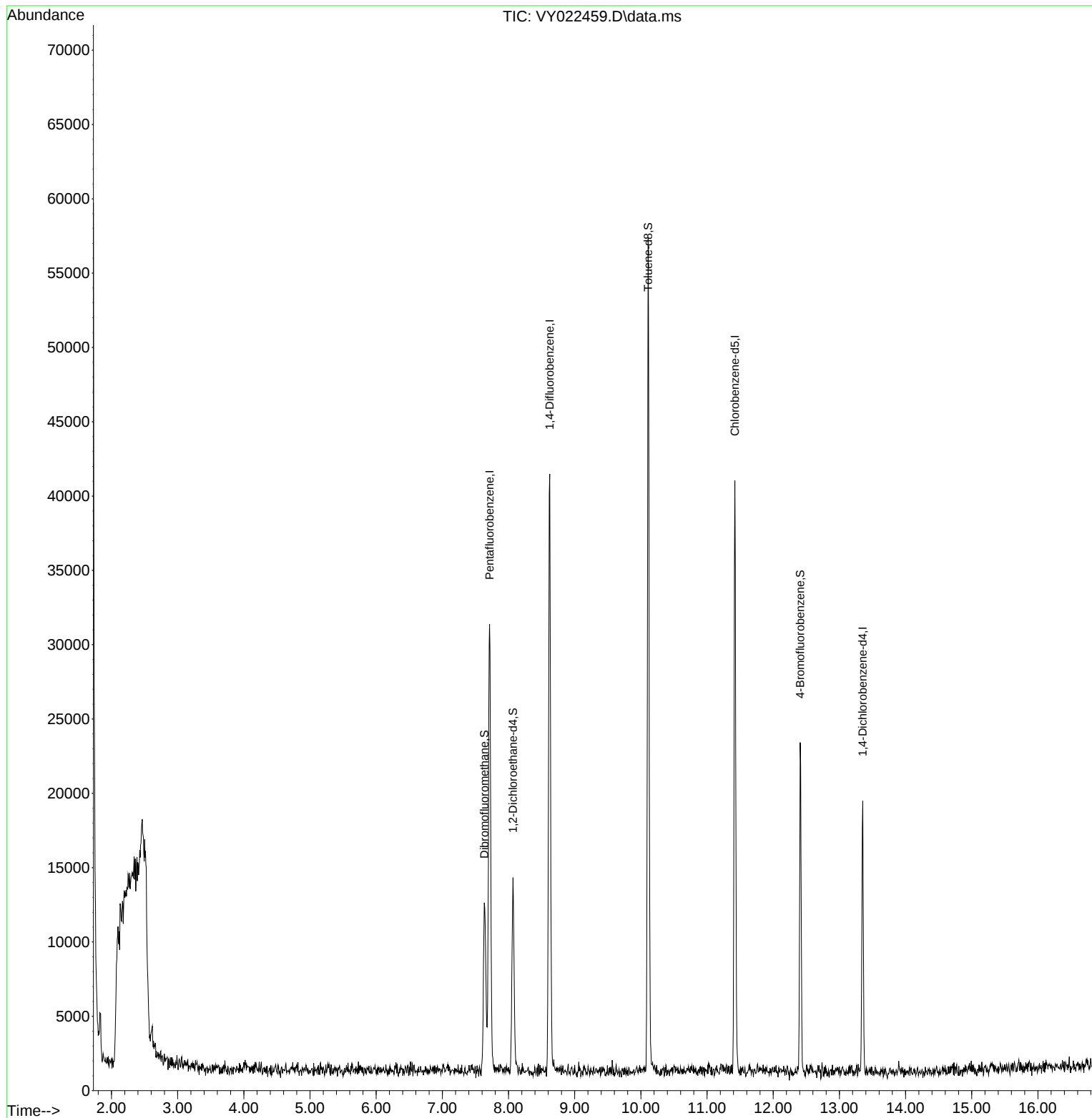
Target Compounds	Qvalue

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

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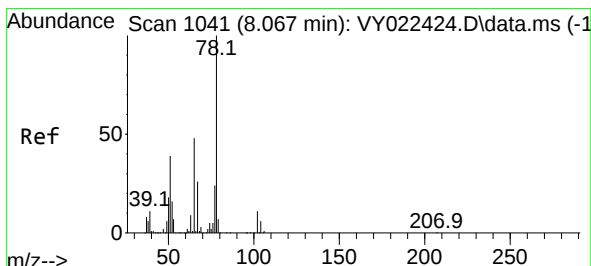
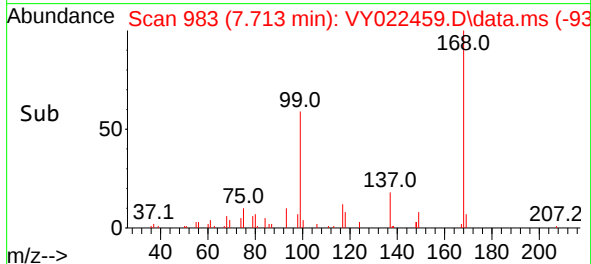
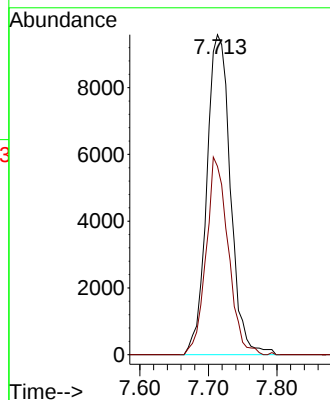
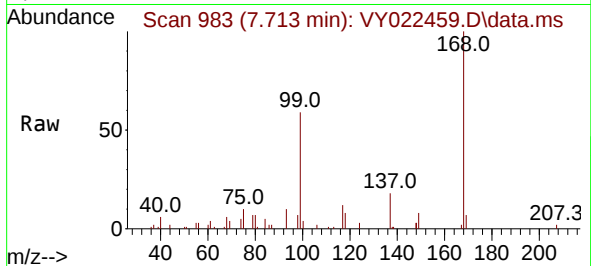




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

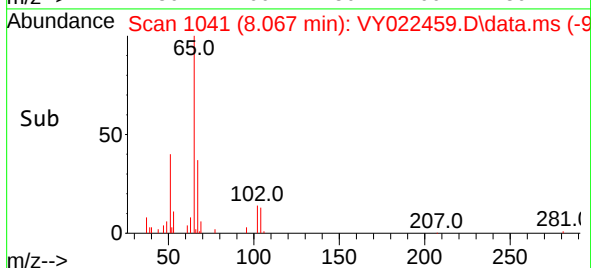
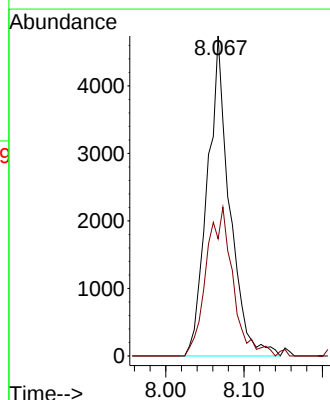
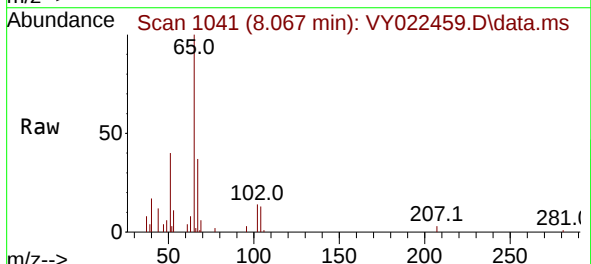
Instrument :
MSVOA_Y
ClientSampleId :
VOC

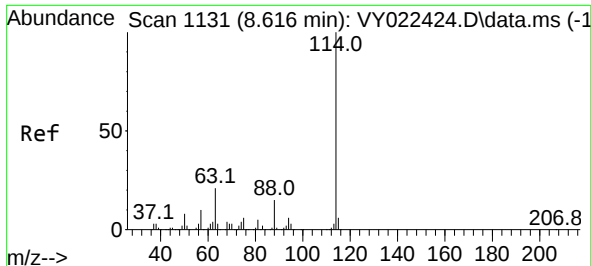
Tgt Ion:168 Resp: 22984
Ion Ratio Lower Upper
168 100
99 58.9 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 38.473 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion: 65 Resp: 9314
Ion Ratio Lower Upper
65 100
67 55.7 0.0 104.4

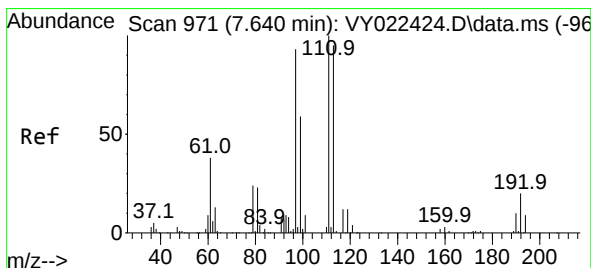
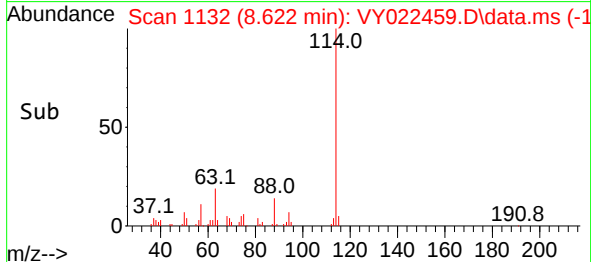
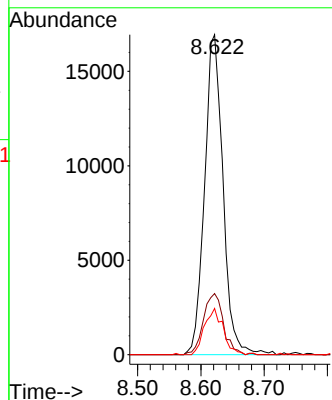
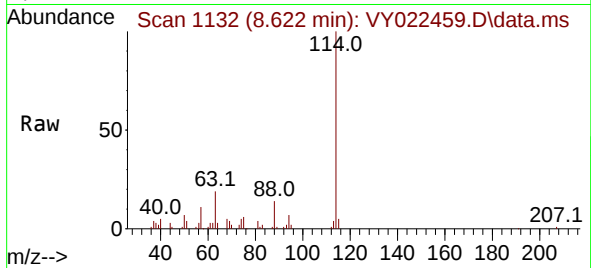




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

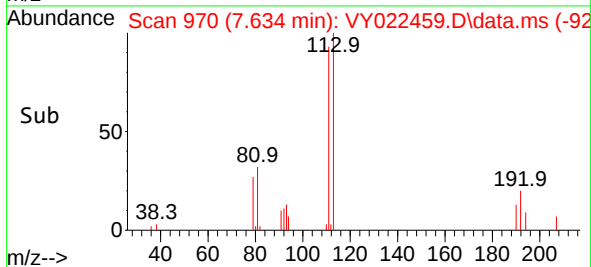
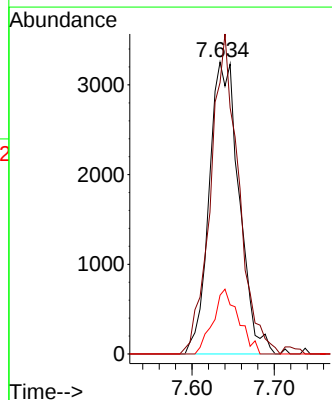
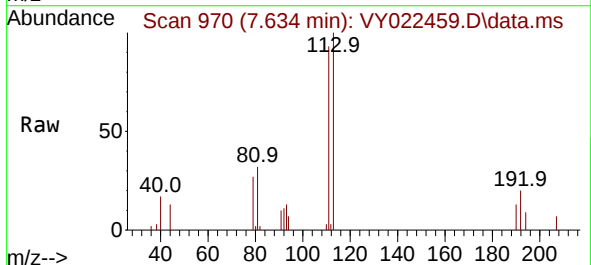
Instrument :
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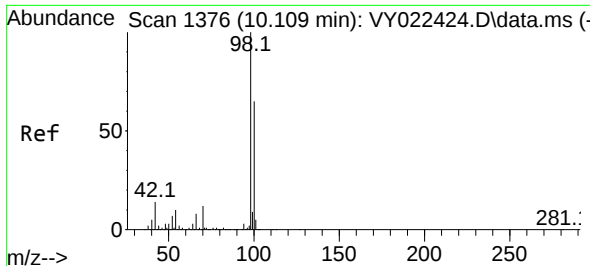
Tgt Ion:114 Resp: 34413
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.6
88 14.4 0.0 29.4



#35
Dibromofluoromethane
Concen: 40.991 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion:113 Resp: 8261
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 19.0 15.2 22.8

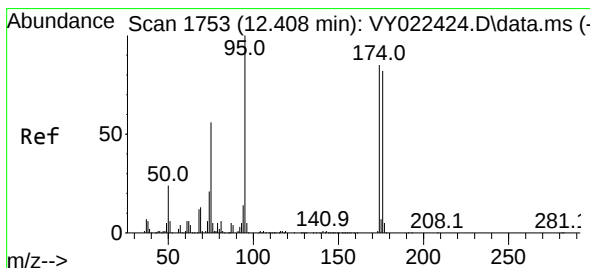
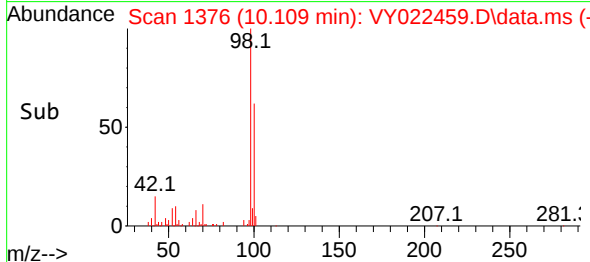
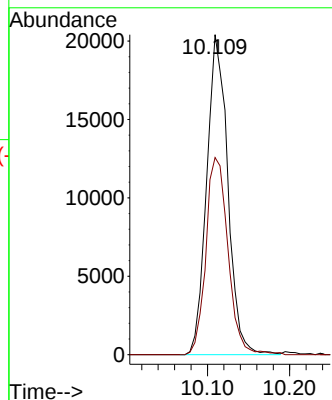
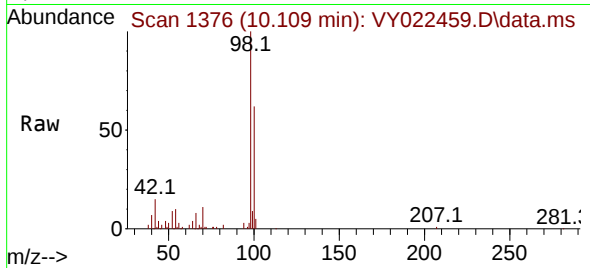




#50
Toluene-d8
Concen: 44.179 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

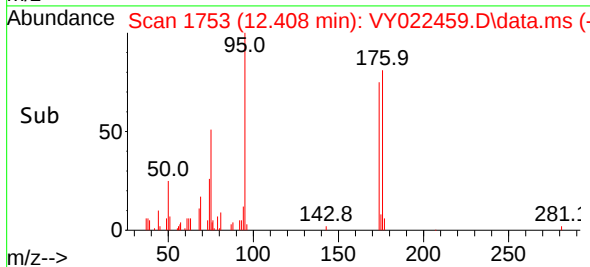
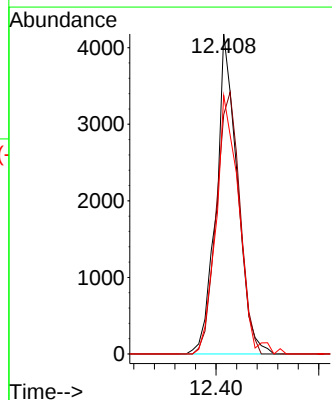
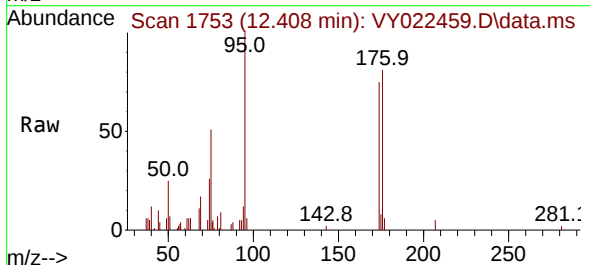
Instrument :
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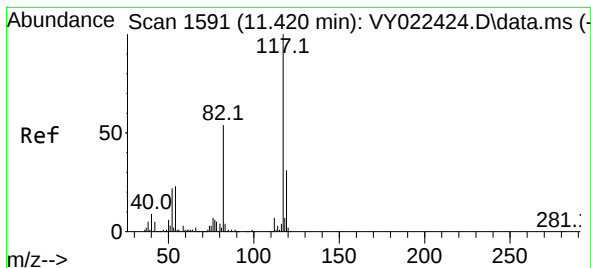
Tgt Ion: 98 Resp: 36296
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 23.943 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion: 95 Resp: 5950
Ion Ratio Lower Upper
95 100
174 91.7 0.0 171.6
176 88.1 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022459.D

Acq: 29 May 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VOC

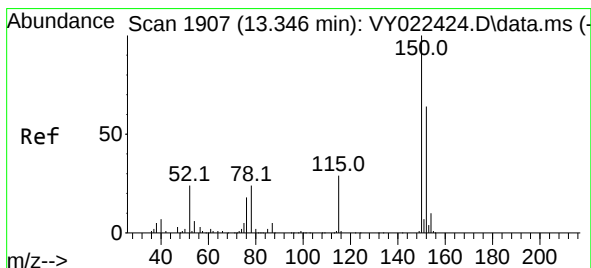
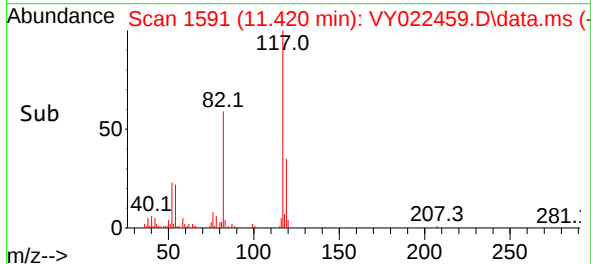
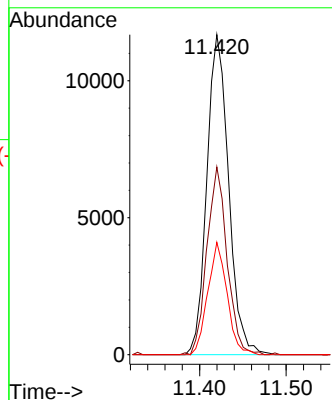
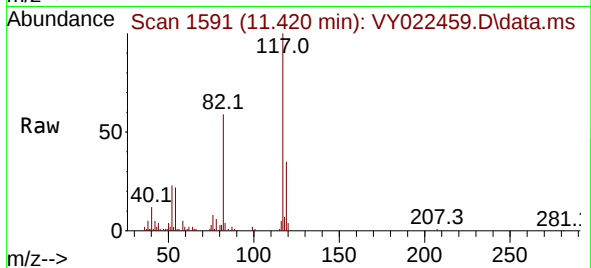
Tgt Ion:117 Resp: 20399

Ion Ratio Lower Upper

117 100

82 58.7 43.3 64.9

119 35.1 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022459.D

Acq: 29 May 2025 12:02

Tgt Ion:152 Resp: 4357

Ion Ratio Lower Upper

152 100

115 55.6 28.4 85.3

150 151.0 0.0 345.8

