

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023631.D
 Acq On : 30 Oct 2025 14:37
 Operator : SY/MD
 Sample : Q3495-02
 Misc : 5.66g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1025-2

Quant Time: Oct 31 02:41:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	765269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1282589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1076446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	427496	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	338260	52.859	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.720%
35) Dibromofluoromethane	7.640	113	396330	50.290	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.580%
50) Toluene-d8	10.109	98	1449464	49.387	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.780%
62) 4-Bromofluorobenzene	12.408	95	410881	42.404	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.800%

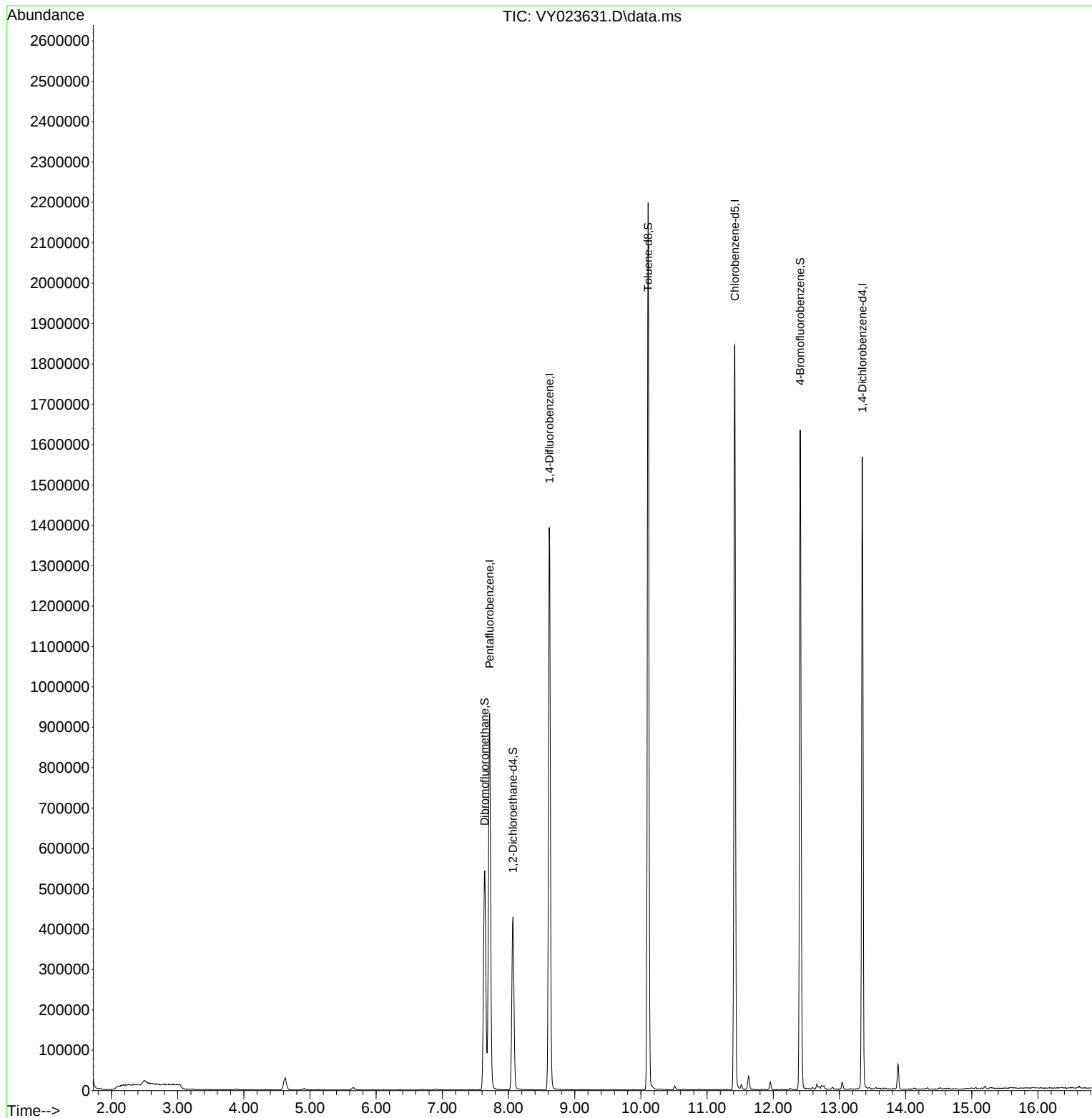
Target Compounds	Qvalue

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

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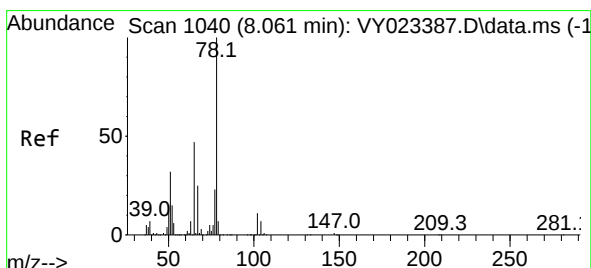
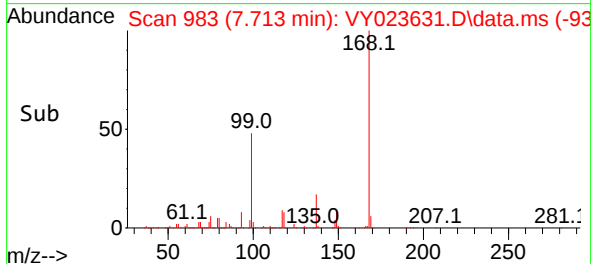
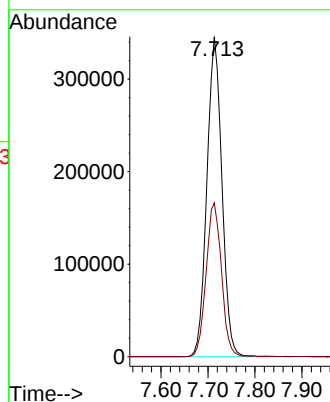
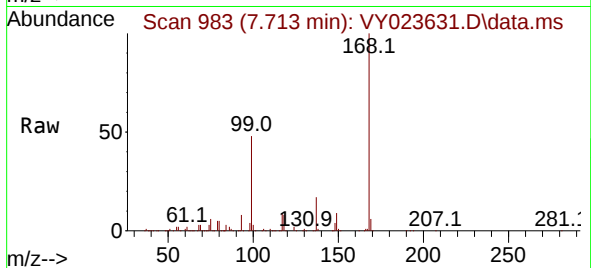




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

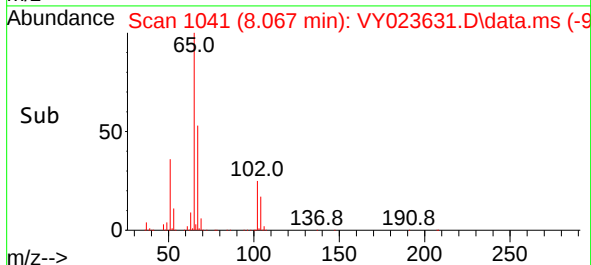
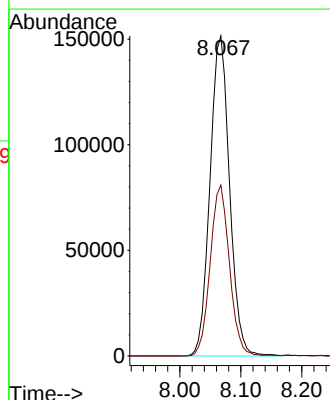
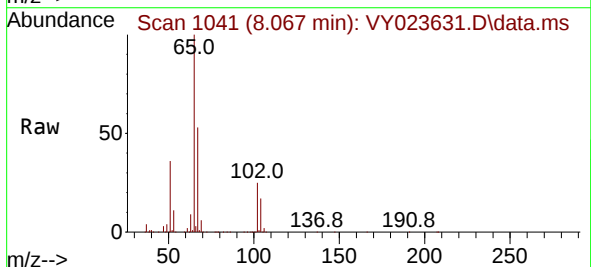
Instrument :
MSVOA_Y
ClientSampleId :
SB-1025-2

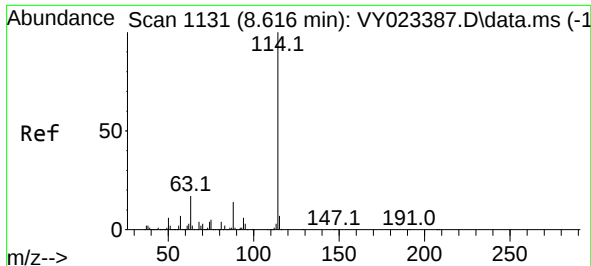
Tgt Ion:168 Resp: 765269
Ion Ratio Lower Upper
168 100
99 48.1 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 52.859 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

Tgt Ion: 65 Resp: 338260
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023631.D

Acq: 30 Oct 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

SB-1025-2

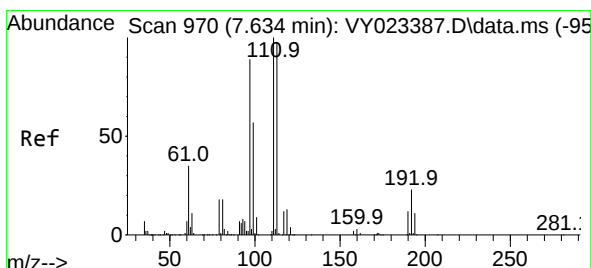
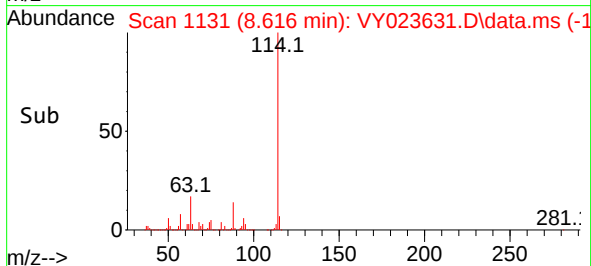
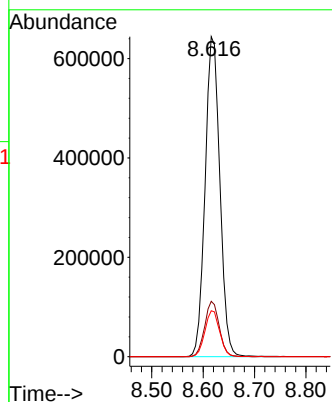
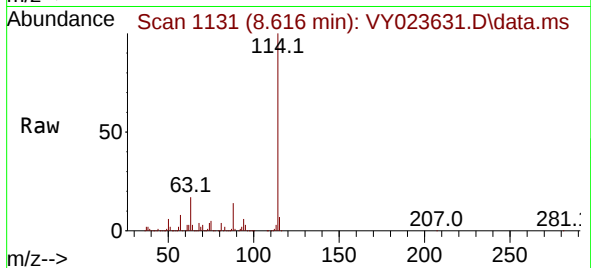
Tgt Ion:114 Resp: 1282589

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 14.4 0.0 28.4



#35

Dibromofluoromethane

Concen: 50.290 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023631.D

Acq: 30 Oct 2025 14:37

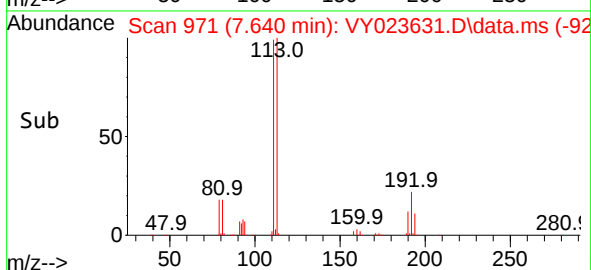
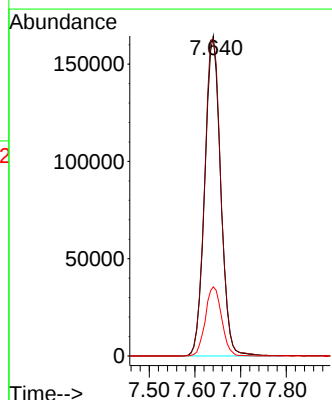
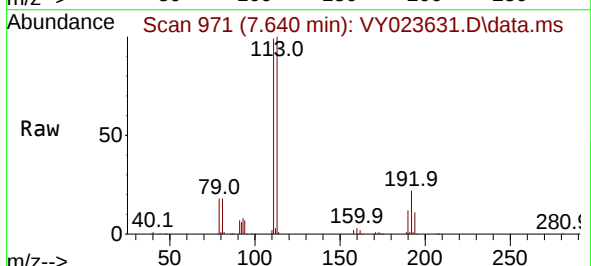
Tgt Ion:113 Resp: 396330

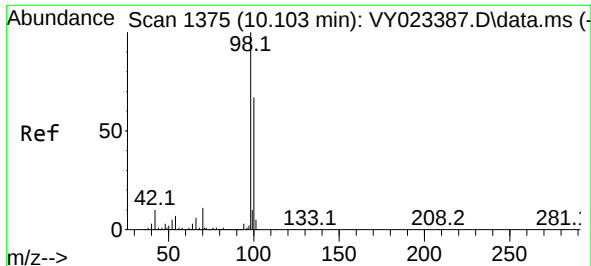
Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.6

192 22.2 18.0 27.0

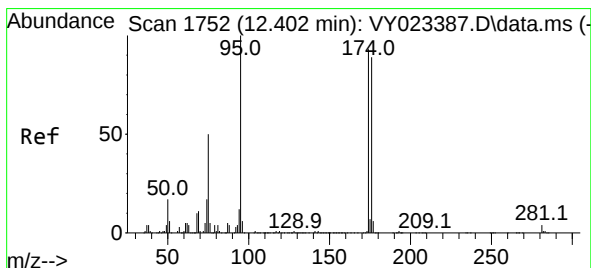
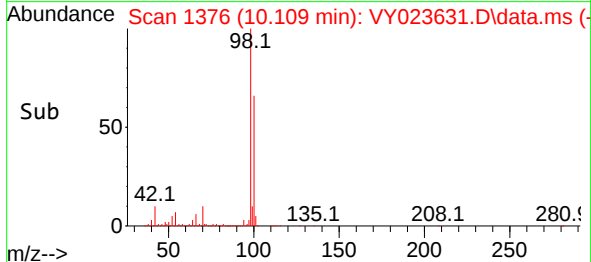
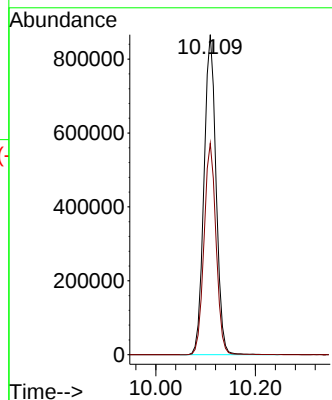
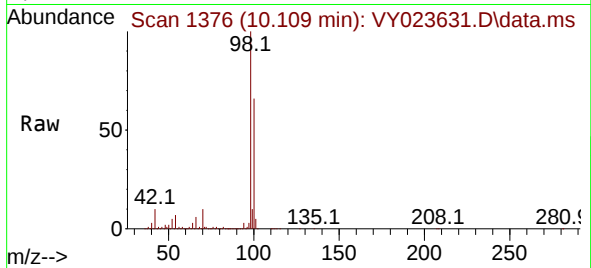




#50
Toluene-d8
Concen: 49.387 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

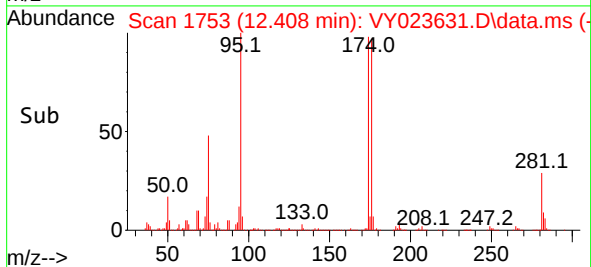
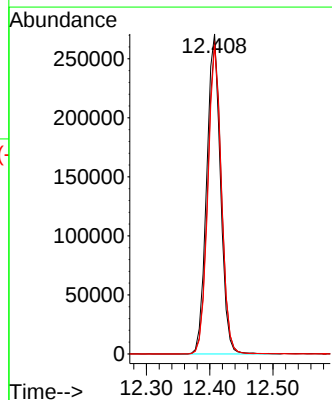
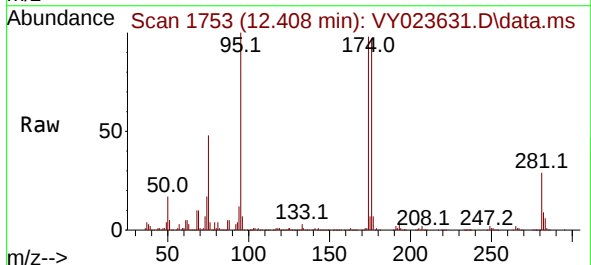
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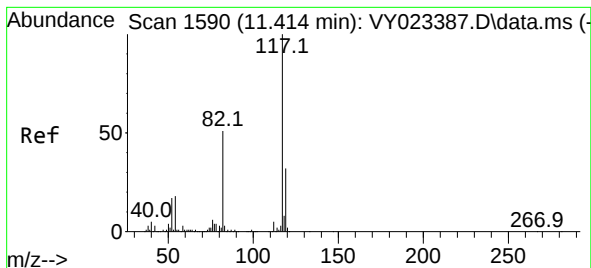
Tgt Ion: 98 Resp: 1449464
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.404 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

Tgt Ion: 95 Resp: 410881
Ion Ratio Lower Upper
95 100
174 96.9 0.0 192.8
176 94.0 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023631.D

Acq: 30 Oct 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

SB-1025-2

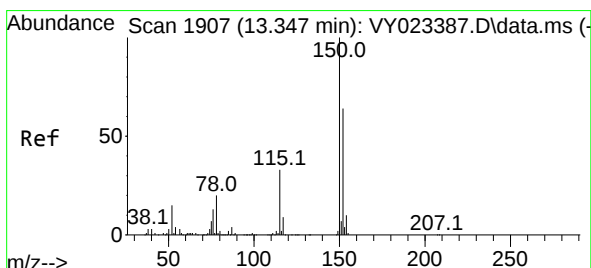
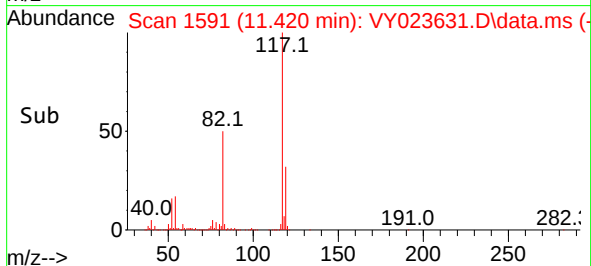
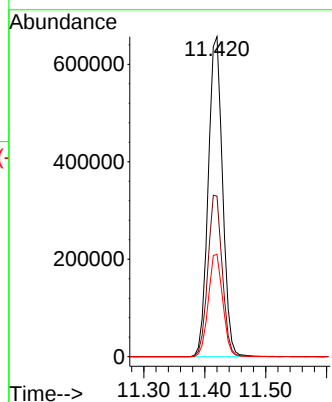
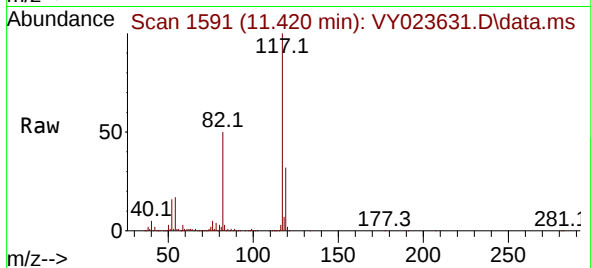
Tgt Ion:117 Resp: 1076446

Ion Ratio Lower Upper

117 100

82 50.1 41.0 61.4

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023631.D

Acq: 30 Oct 2025 14:37

Tgt Ion:152 Resp: 427496

Ion Ratio Lower Upper

152 100

115 54.4 27.1 81.2

150 157.8 0.0 347.4

