

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110525\
 Data File : VY023687.D
 Acq On : 05 Nov 2025 13:33
 Operator : SY/MD
 Sample : Q3544-03
 Misc : 5.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ONYX-1-VOC

Quant Time: Nov 06 03:30:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	741203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1275258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1106028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	458284	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	377254	59.668	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.340%
35) Dibromofluoromethane	7.634	113	410856	51.553	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.100%
50) Toluene-d8	10.109	98	1462236	49.255	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.520%
62) 4-Bromofluorobenzene	12.408	95	432179	45.016	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.040%

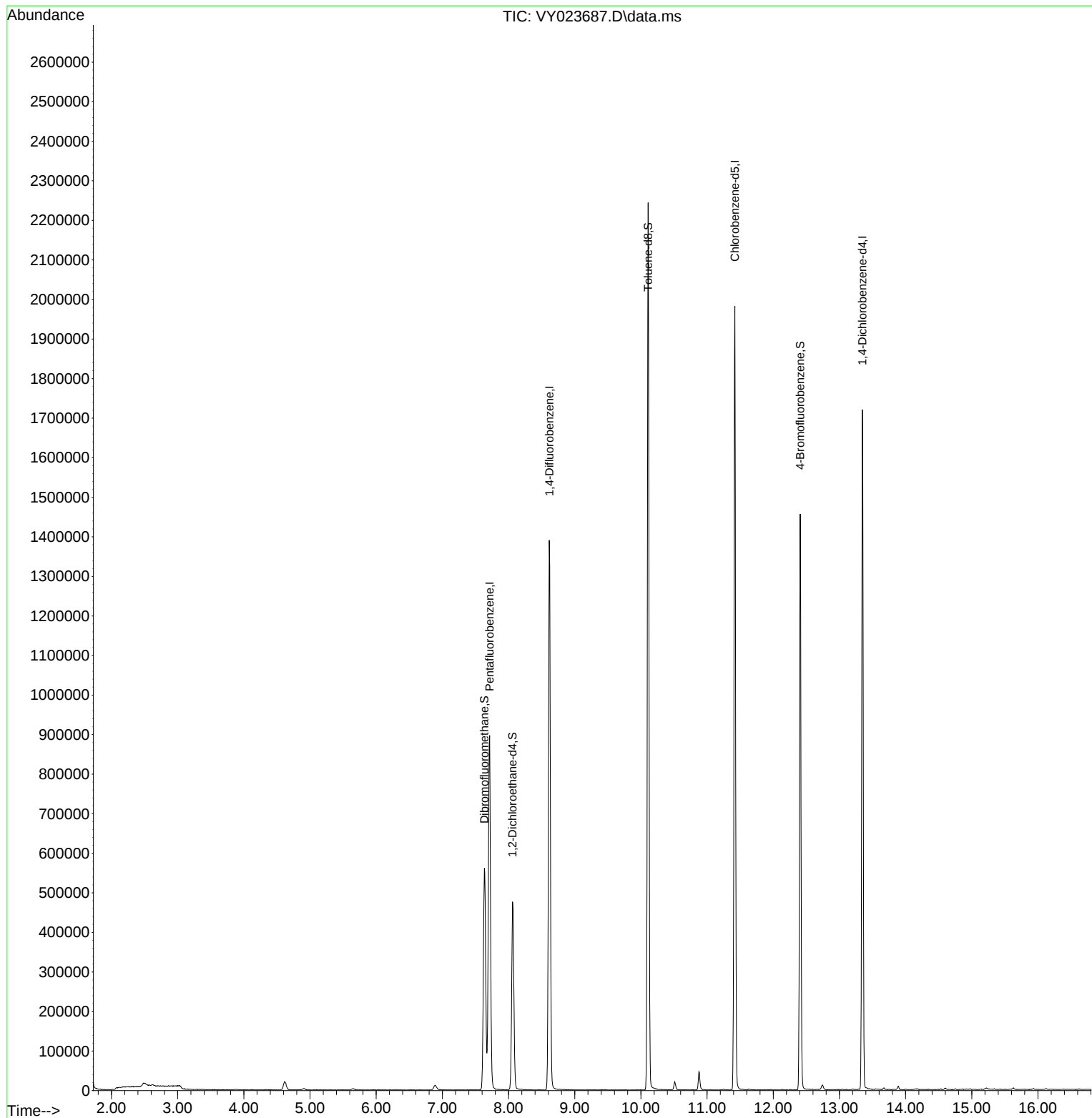
Target Compounds	Qvalue

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

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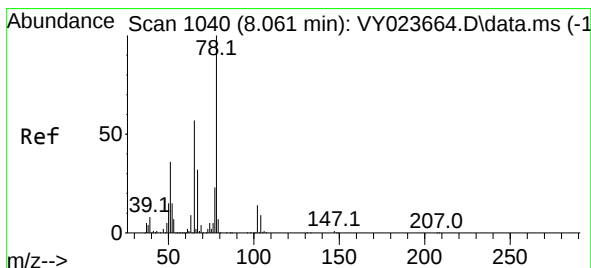
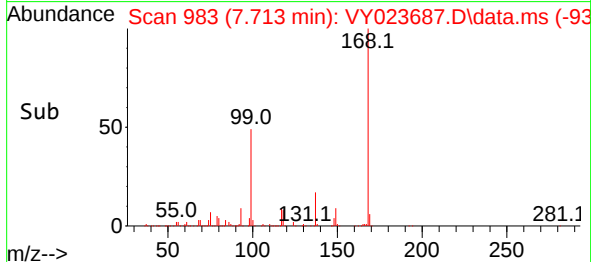
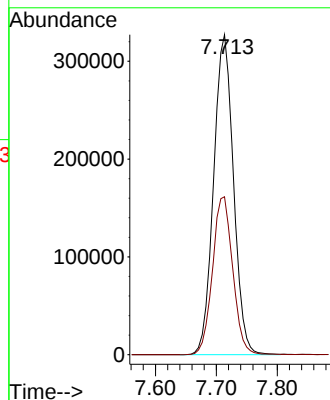
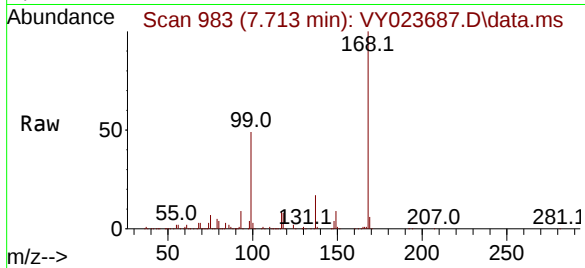




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023687.D
Acq: 05 Nov 2025 13:33

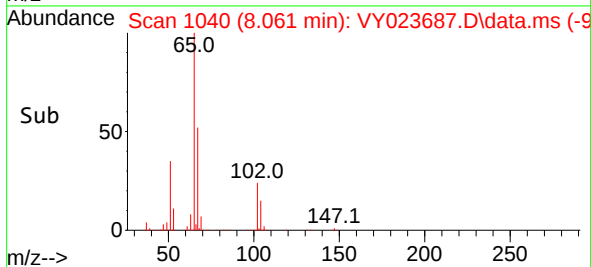
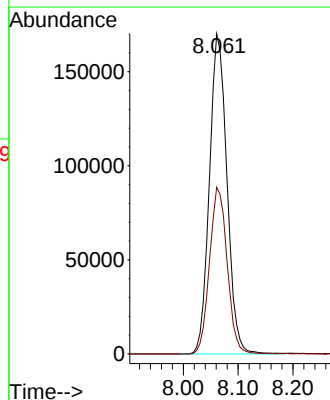
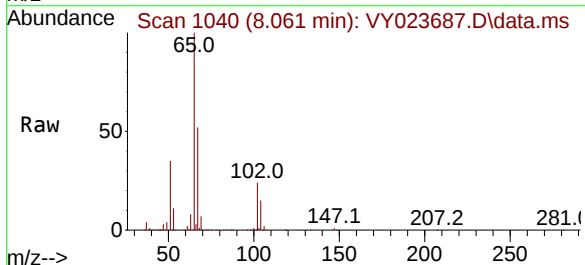
Instrument :
MSVOA_Y
ClientSampleId :
ONYX-1-VOC

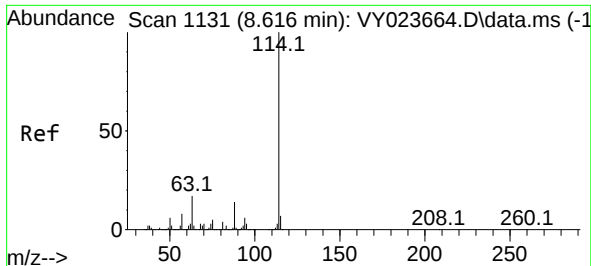
Tgt Ion:168 Resp: 741203
Ion Ratio Lower Upper
168 100
99 49.3 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 59.668 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023687.D
Acq: 05 Nov 2025 13:33

Tgt Ion: 65 Resp: 377254
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023687.D

Acq: 05 Nov 2025 13:33

Instrument :

MSVOA_Y

ClientSampleId :

ONYX-1-VOC

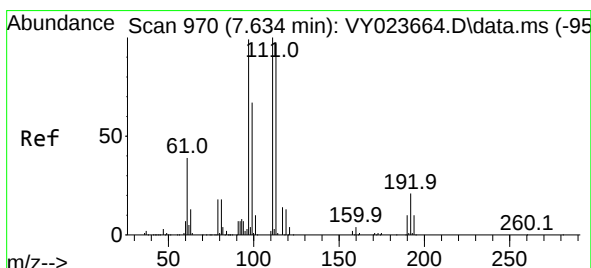
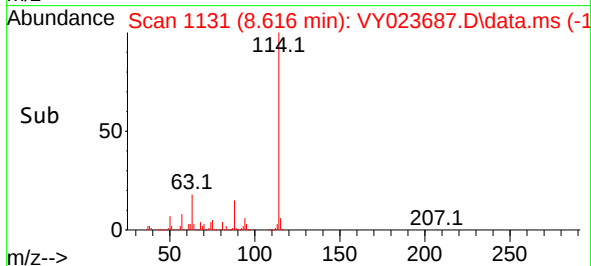
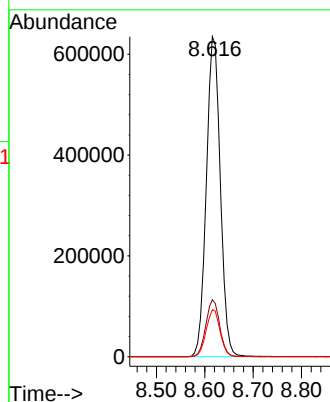
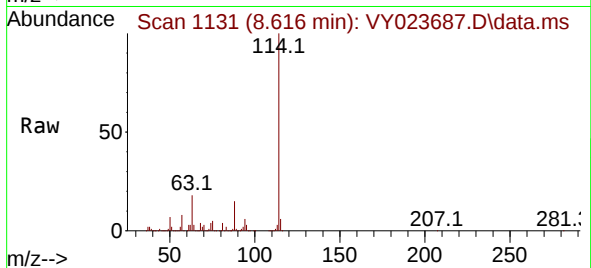
Tgt Ion:114 Resp: 1275258

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.8

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.553 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023687.D

Acq: 05 Nov 2025 13:33

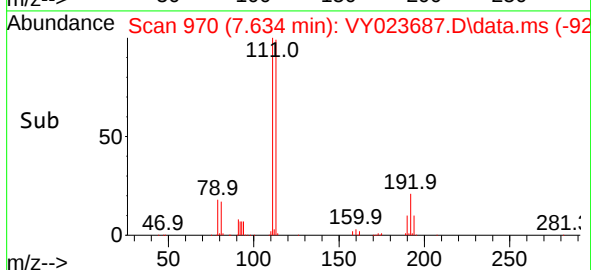
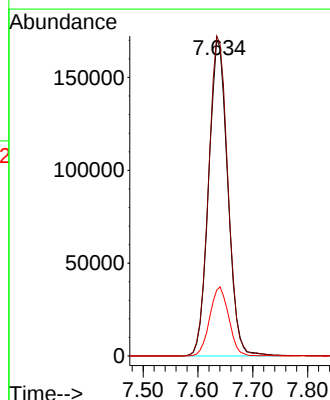
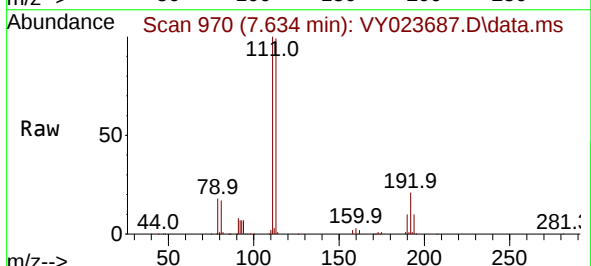
Tgt Ion:113 Resp: 410856

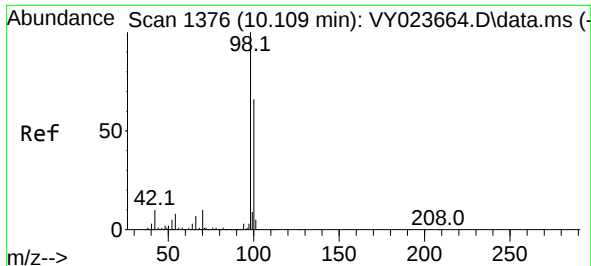
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 21.7 17.3 25.9

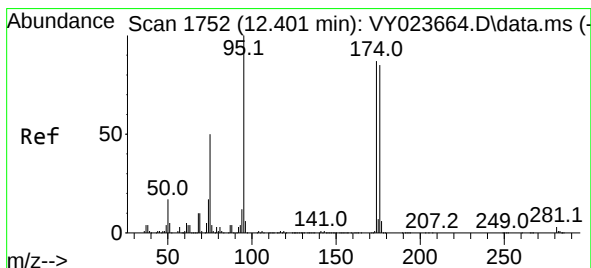
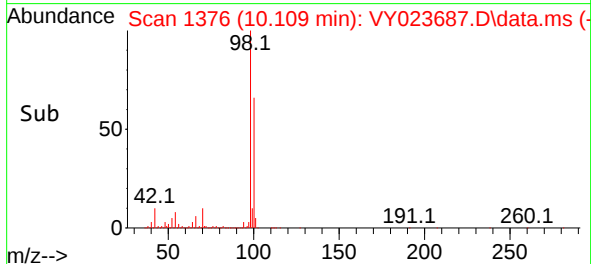
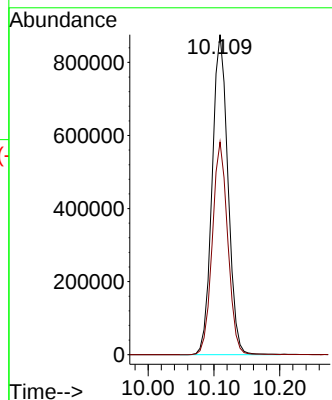
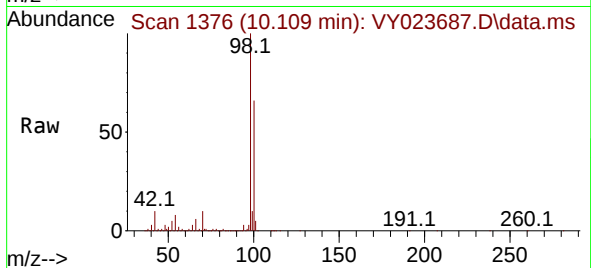




#50
Toluene-d8
Concen: 49.255 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023687.D
Acq: 05 Nov 2025 13:33

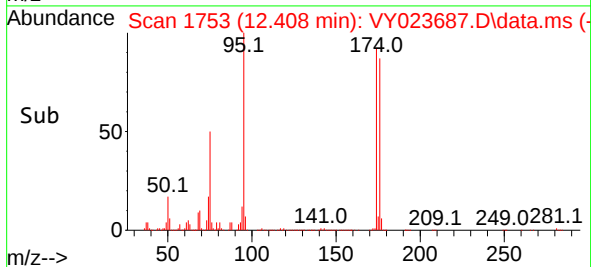
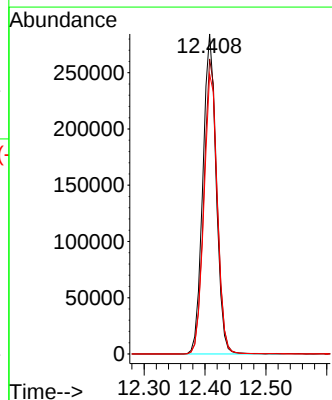
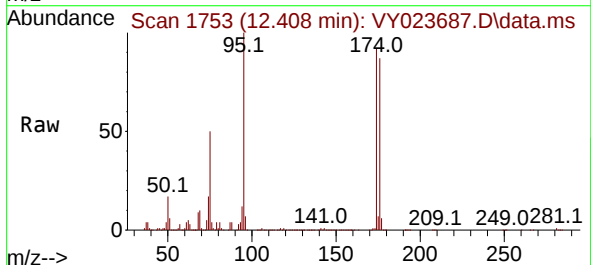
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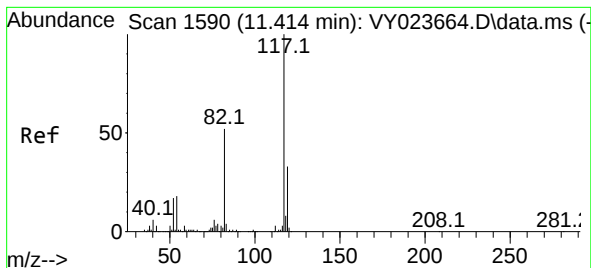
Tgt Ion: 98 Resp: 1462236
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 45.016 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023687.D
Acq: 05 Nov 2025 13:33

Tgt Ion: 95 Resp: 432179
Ion Ratio Lower Upper
95 100
174 92.6 0.0 184.8
176 88.2 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1159

Delta R.T. 0.006 min

Lab File: VY023687.D

Acq: 05 Nov 2025 13:33

Instrument :

MSVOA_Y

ClientSampleId :

ONYX-1-VOC

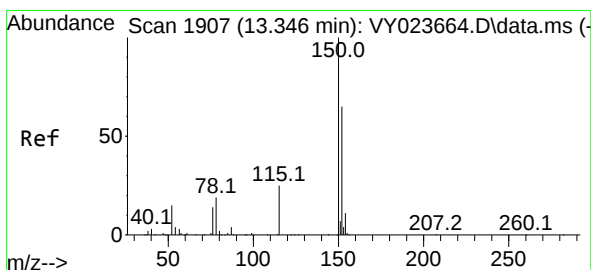
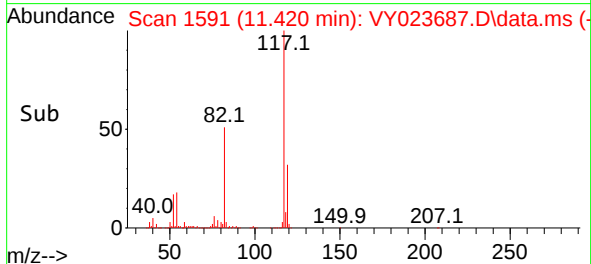
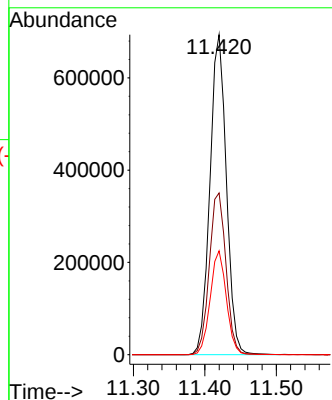
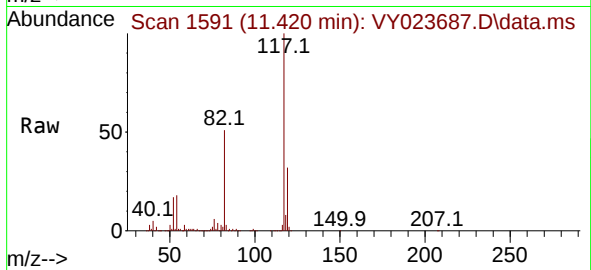
Tgt Ion:117 Resp: 1106028

Ion Ratio Lower Upper

117 100

82 50.6 41.2 61.8

119 32.4 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023687.D

Acq: 05 Nov 2025 13:33

Tgt Ion:152 Resp: 458284

Ion Ratio Lower Upper

152 100

115 55.6 27.5 82.5

150 155.6 0.0 349.0

