

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023467.D
 Acq On : 14 Oct 2025 17:13
 Operator : SY/MD
 Sample : Q3276-01
 Misc : 5.89g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2

Quant Time: Oct 15 03:31:59 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	582031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1136657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1183075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	559850	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	253788	52.144	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.280%
35) Dibromofluoromethane	7.640	113	357008	51.116	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.240%
50) Toluene-d8	10.109	98	1401769	53.894	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.780%
62) 4-Bromofluorobenzene	12.408	95	496170	57.780	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	115.560%

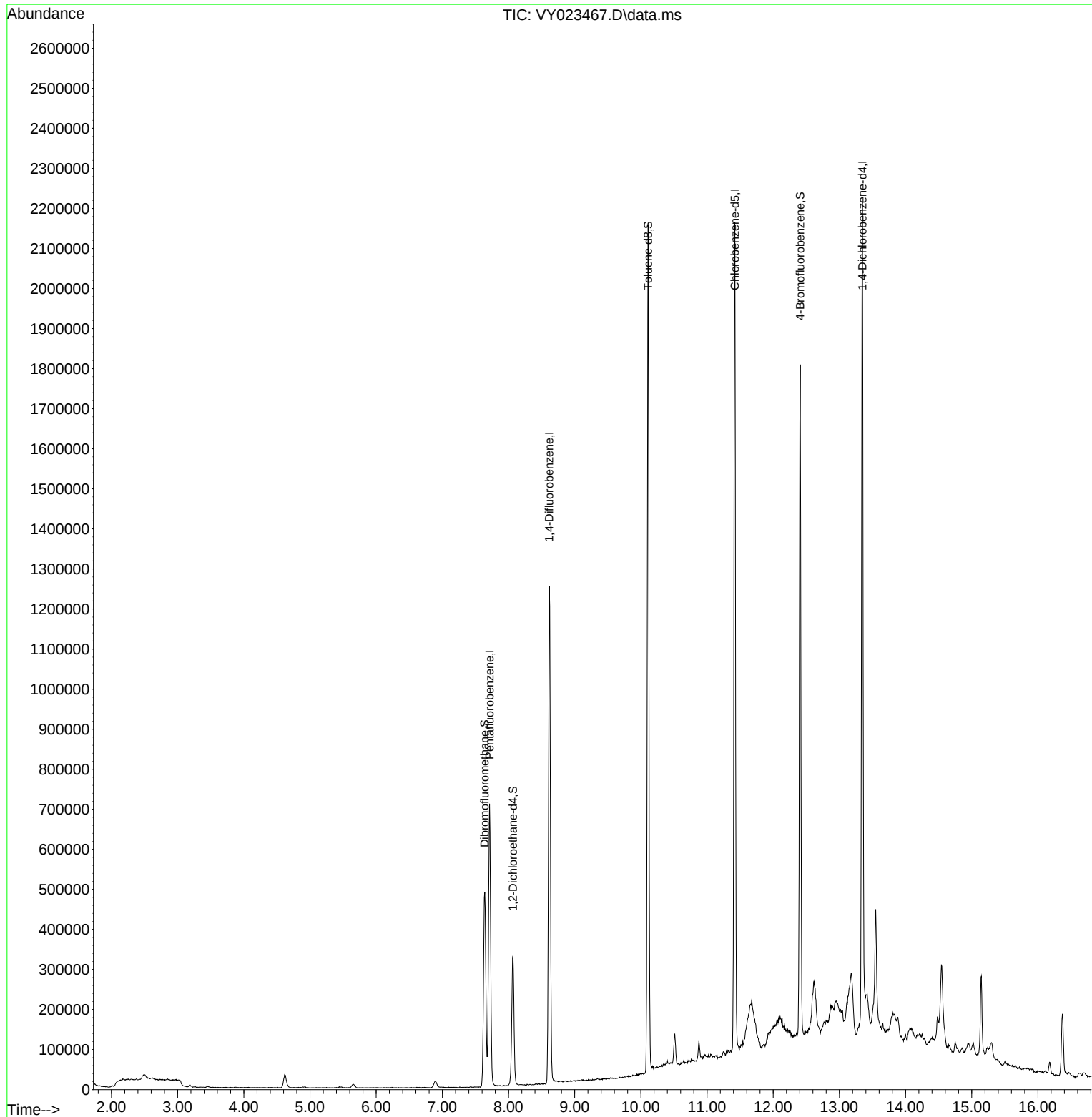
Target Compounds	Qvalue

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

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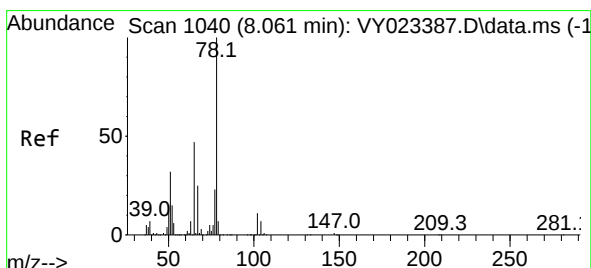
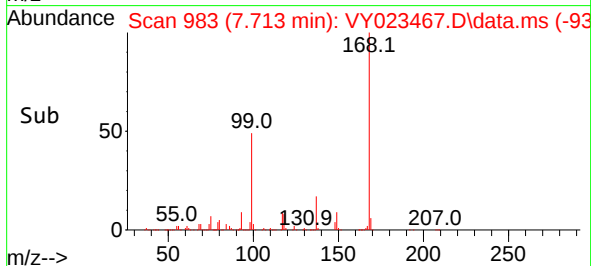
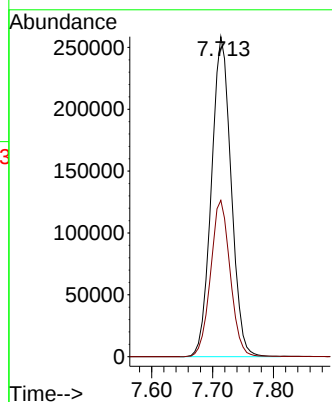
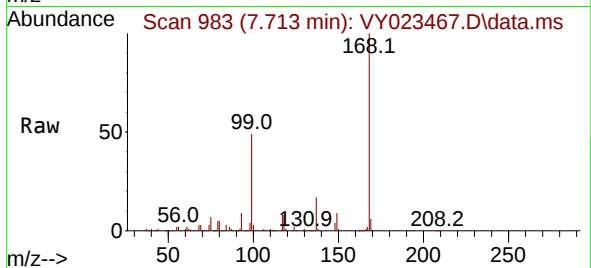




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023467.D
Acq: 14 Oct 2025 17:13

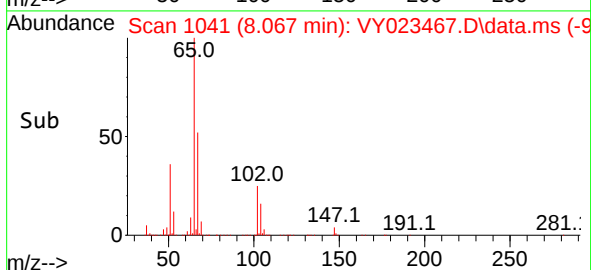
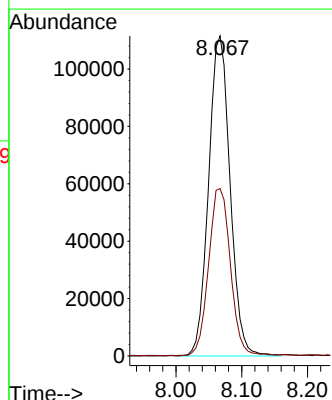
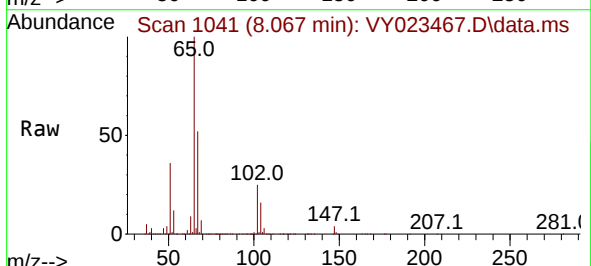
Instrument :
MSVOA_Y
ClientSampleId :
SB2

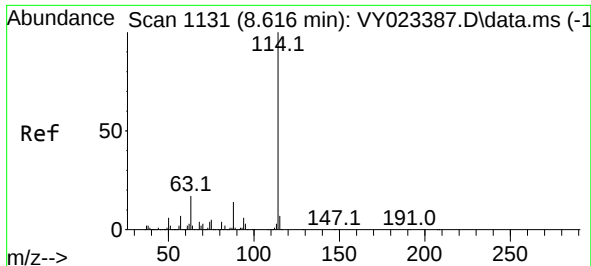
Tgt Ion:168 Resp: 582031
Ion Ratio Lower Upper
168 100
99 48.9 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 52.144 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023467.D
Acq: 14 Oct 2025 17:13

Tgt Ion: 65 Resp: 253788
Ion Ratio Lower Upper
65 100
67 53.0 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: VY023467.D

Acq: 14 Oct 2025 17:13

Instrument :

MSVOA_Y

ClientSampleId :

SB2

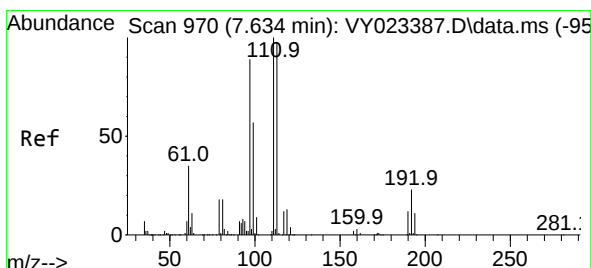
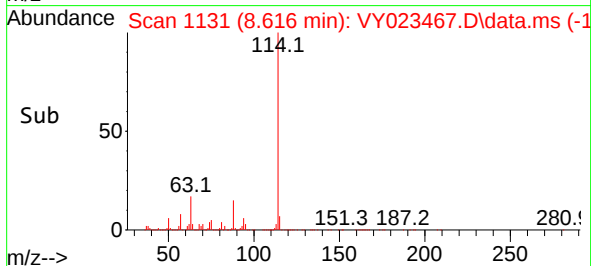
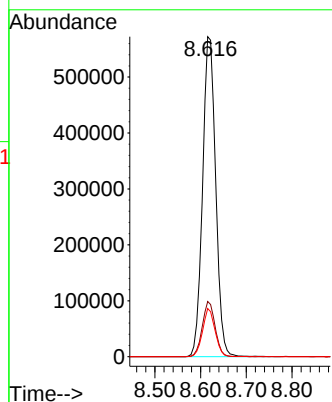
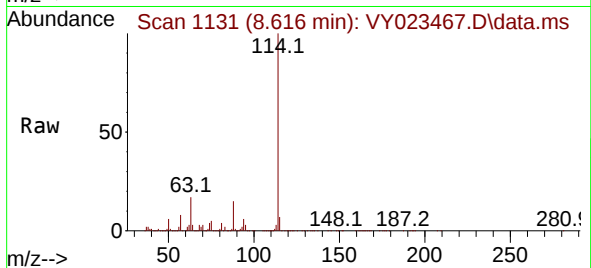
Tgt Ion:114 Resp: 1136657

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 15.1 0.0 28.4



#35

Dibromofluoromethane

Concen: 51.116 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023467.D

Acq: 14 Oct 2025 17:13

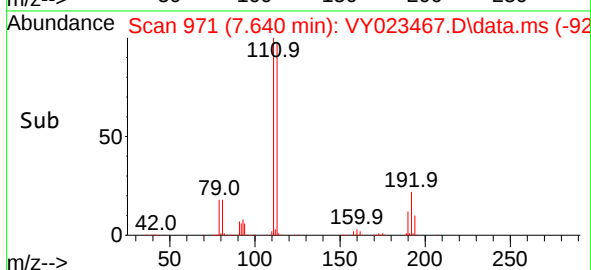
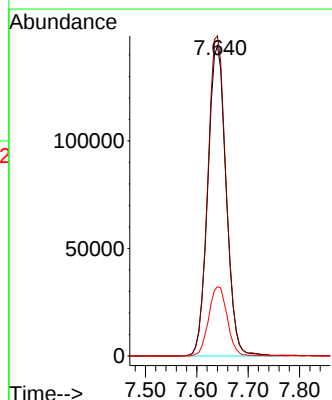
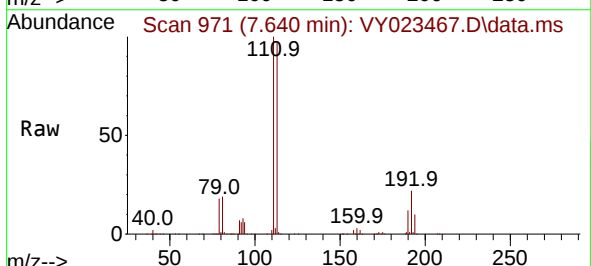
Tgt Ion:113 Resp: 357008

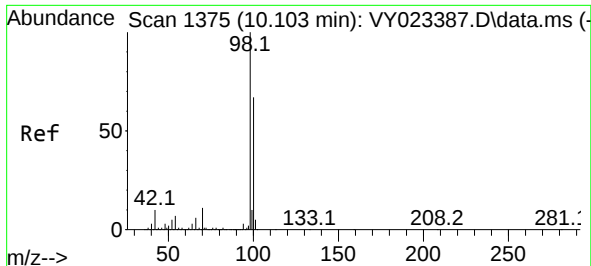
Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

192 22.5 18.0 27.0

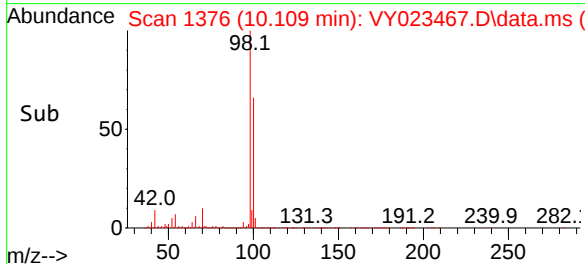
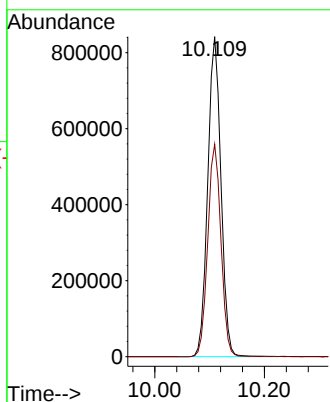
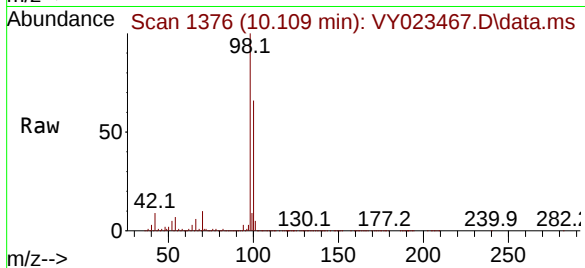




#50
Toluene-d8
Concen: 53.894 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023467.D
Acq: 14 Oct 2025 17:13

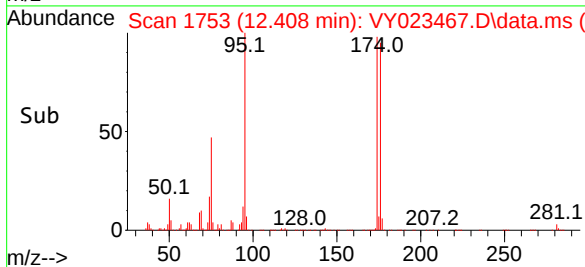
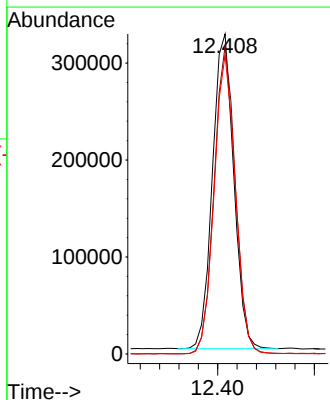
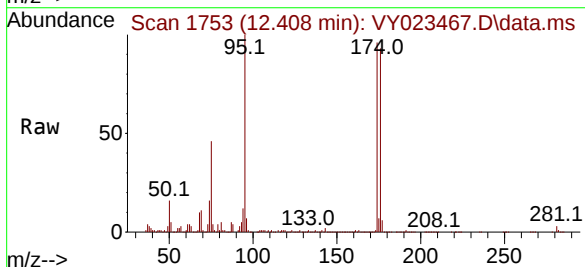
Instrument :
MSVOA_Y
ClientSampleId :
SB2

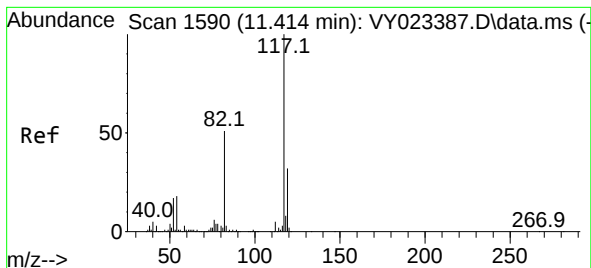
Tgt Ion: 98 Resp: 1401769
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 57.780 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023467.D
Acq: 14 Oct 2025 17:13

Tgt Ion: 95 Resp: 496170
Ion Ratio Lower Upper
95 100
174 97.3 0.0 192.8
176 94.5 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: VY023467.D

Acq: 14 Oct 2025 17:13

Instrument :

MSVOA_Y

ClientSampleId :

SB2

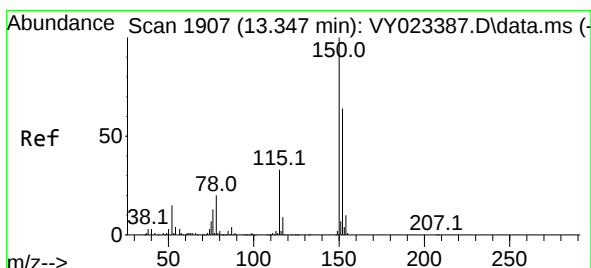
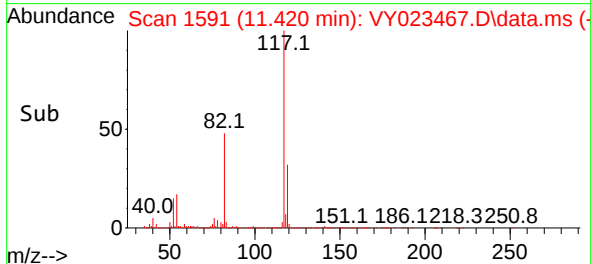
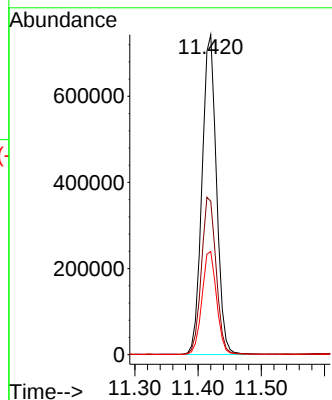
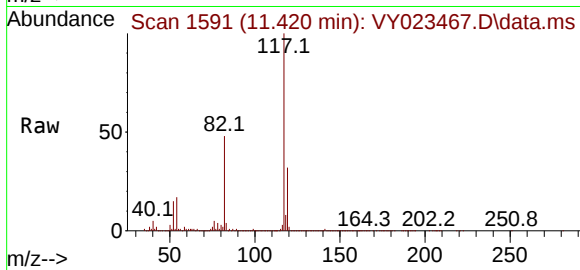
Tgt Ion:117 Resp: 1183075

Ion Ratio Lower Upper

117 100

82 47.8 41.0 61.4

119 32.2 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: VY023467.D

Acq: 14 Oct 2025 17:13

Tgt Ion:152 Resp: 559850

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.2

150 156.1 0.0 347.4

