

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102825\
 Data File : VY023604.D
 Acq On : 28 Oct 2025 14:06
 Operator : SY/MD
 Sample : Q3477-01
 Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOUTH-MAHWAH-SOIL

Quant Time: Oct 29 06:24:16 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	717083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1187094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	969663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	367826	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	315378	52.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.180%
35) Dibromofluoromethane	7.634	113	372638	51.087	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.180%
50) Toluene-d8	10.109	98	1331149	49.004	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.000%
62) 4-Bromofluorobenzene	12.407	95	349395	38.959	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.920%

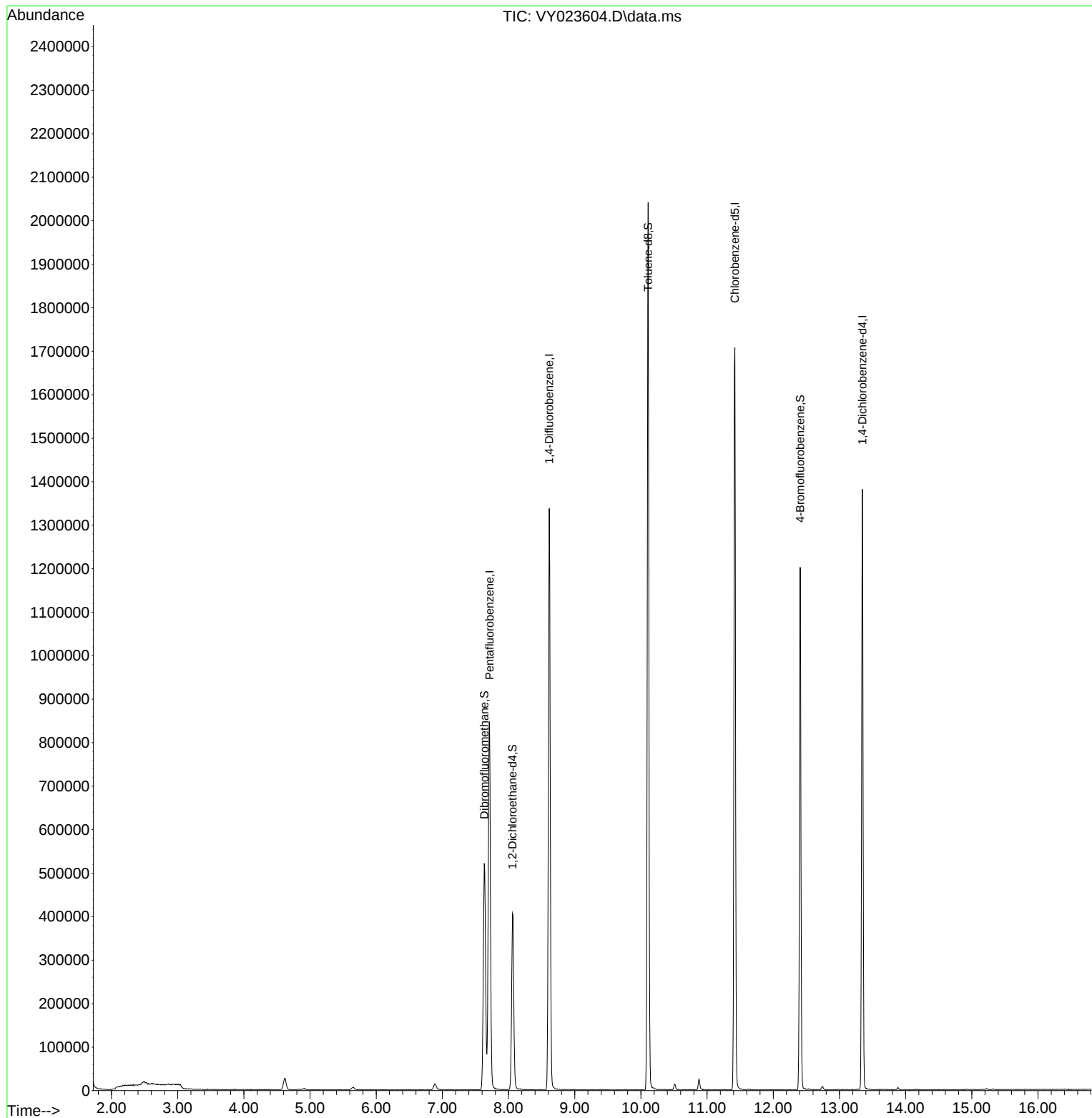
Target Compounds	Qvalue

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

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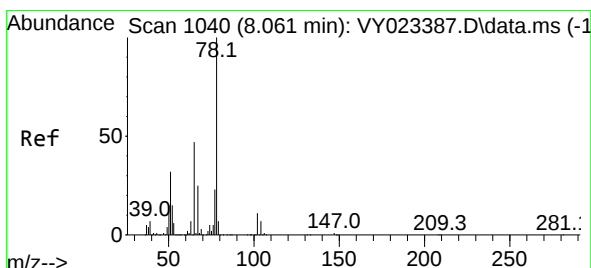
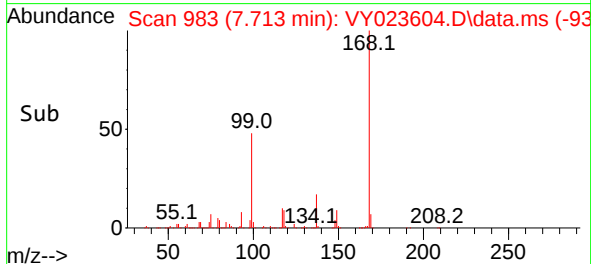
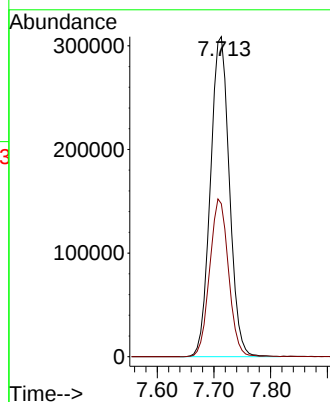
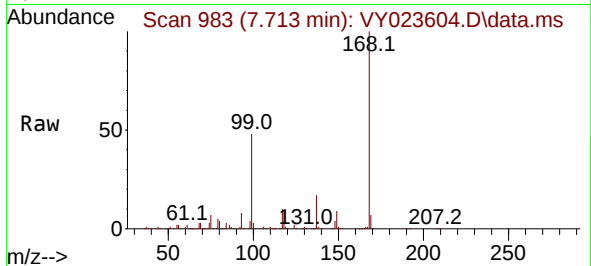




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023604.D
Acq: 28 Oct 2025 14:06

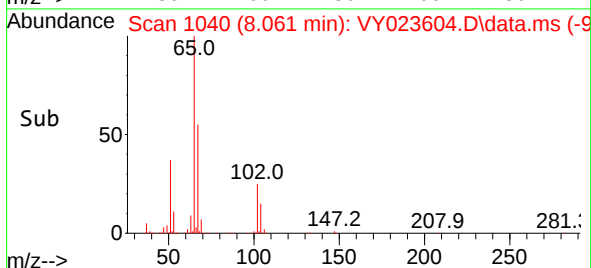
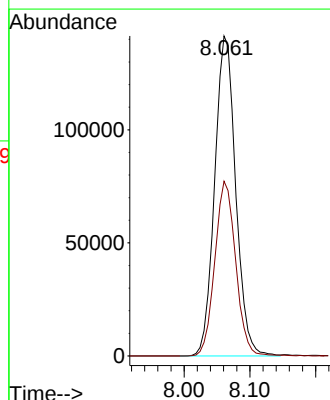
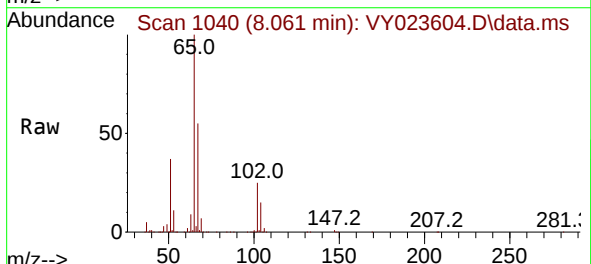
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-MAHWAH-SOIL

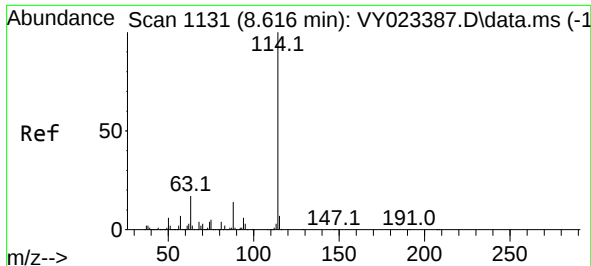
Tgt Ion:168 Resp: 717083
Ion Ratio Lower Upper
168 100
99 47.8 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 52.595 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023604.D
Acq: 28 Oct 2025 14:06

Tgt Ion: 65 Resp: 315378
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.8

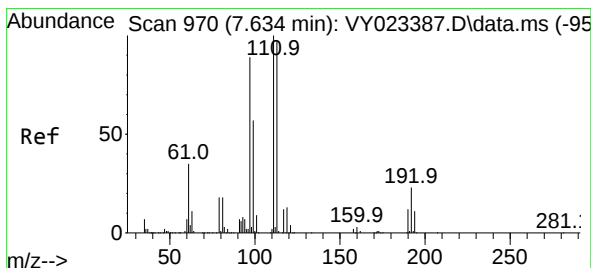
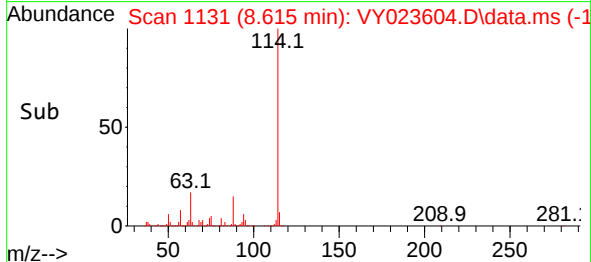
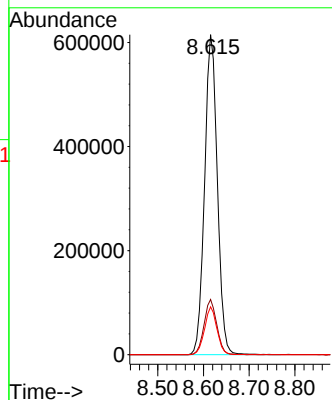
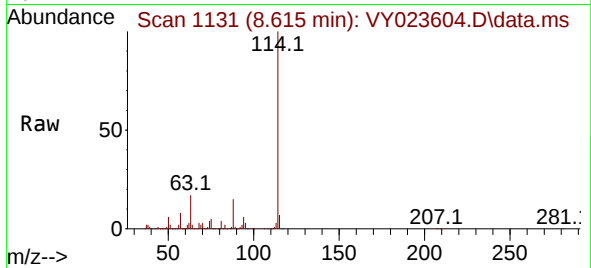




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023604.D
Acq: 28 Oct 2025 14:06

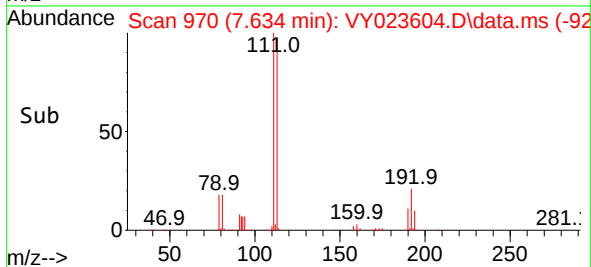
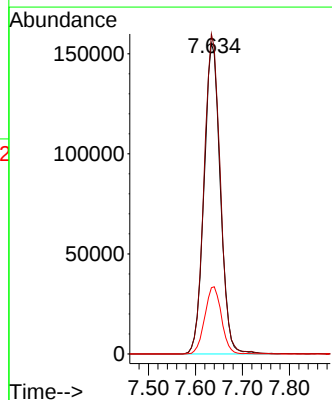
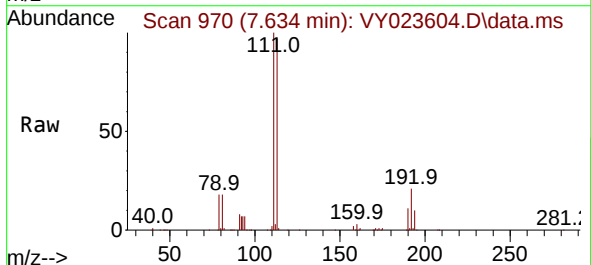
Instrument :
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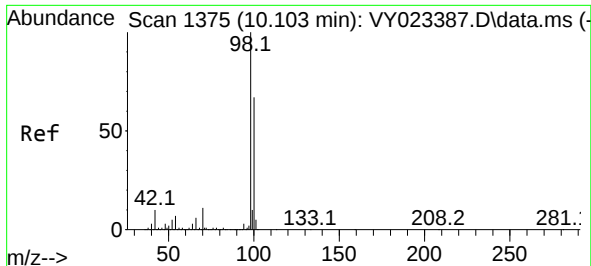
Tgt Ion:114 Resp: 1187094
Ion Ratio Lower Upper
114 100
63 17.3 0.0 34.2
88 14.9 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.087 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023604.D
Acq: 28 Oct 2025 14:06

Tgt Ion:113 Resp: 372638
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 22.2 18.0 27.0

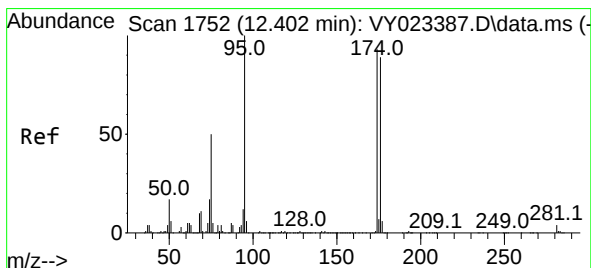
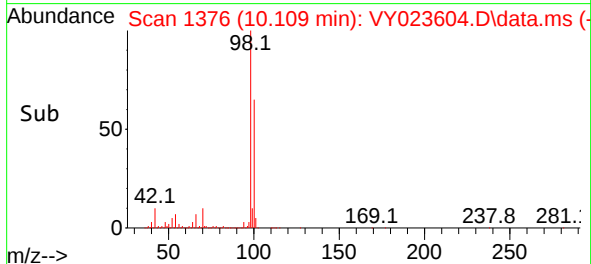
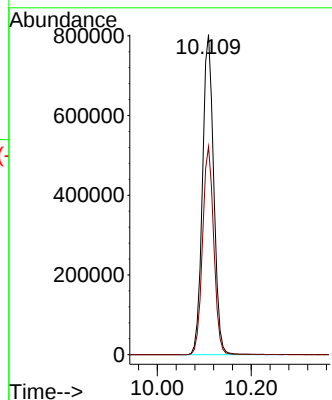
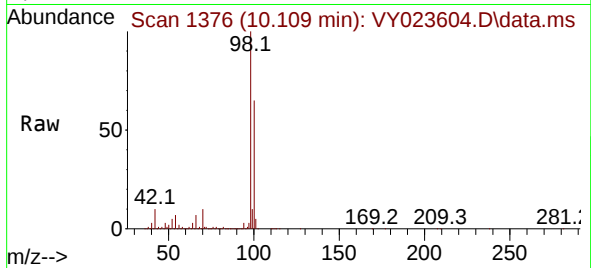




#50
Toluene-d8
Concen: 49.004 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023604.D
Acq: 28 Oct 2025 14:06

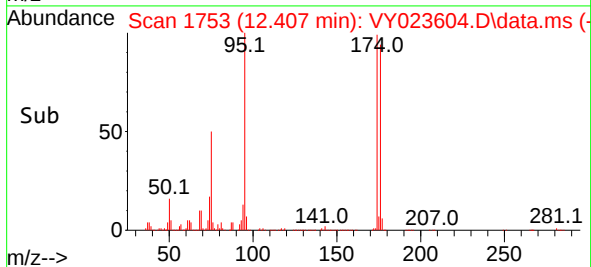
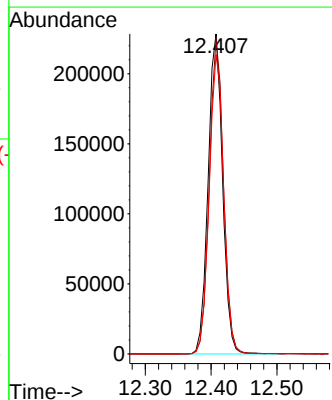
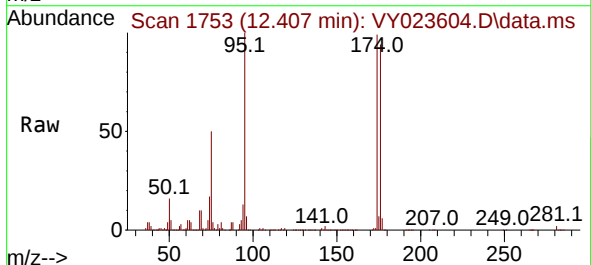
Instrument :
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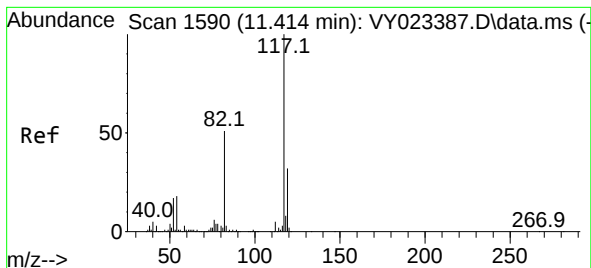
Tgt Ion: 98 Resp: 1331149
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 38.959 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023604.D
Acq: 28 Oct 2025 14:06

Tgt Ion: 95 Resp: 349395
Ion Ratio Lower Upper
95 100
174 96.9 0.0 192.8
176 93.7 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: VY023604.D

Acq: 28 Oct 2025 14:06

Instrument :

MSVOA_Y

ClientSampleId :

SOUTH-MAHWAH-SOIL

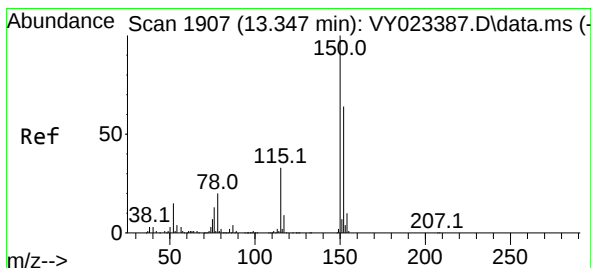
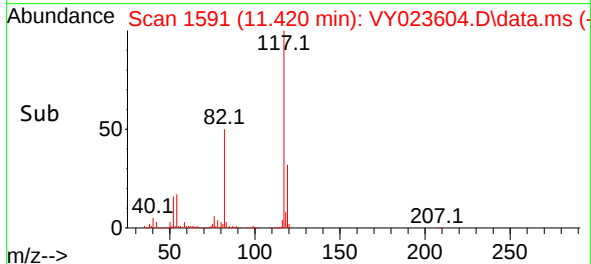
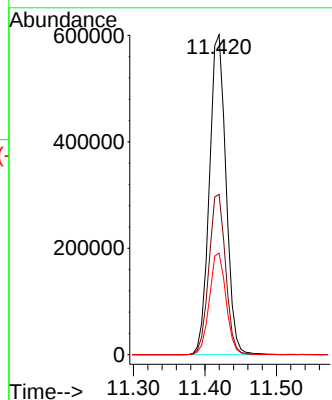
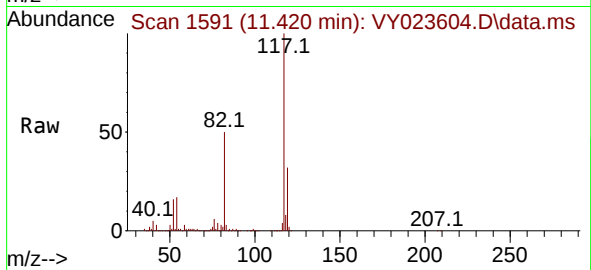
Tgt Ion:117 Resp: 969663

Ion Ratio Lower Upper

117 100

82 50.1 41.0 61.4

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023604.D

Acq: 28 Oct 2025 14:06

Tgt Ion:152 Resp: 367826

Ion Ratio Lower Upper

152 100

115 55.1 27.1 81.2

150 157.1 0.0 347.4

