

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090925\
 Data File : VY023317.D
 Acq On : 09 Sep 2025 11:40
 Operator : SY/MD
 Sample : Q3054-03
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-385-VOC

Quant Time: Sep 10 01:52:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	603166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1116712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1001001	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	375265	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	311940	58.855	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.720%
35) Dibromofluoromethane	7.640	113	362822	53.152	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.300%
50) Toluene-d8	10.109	98	1319526	51.193	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.380%
62) 4-Bromofluorobenzene	12.408	95	378700	46.687	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.380%

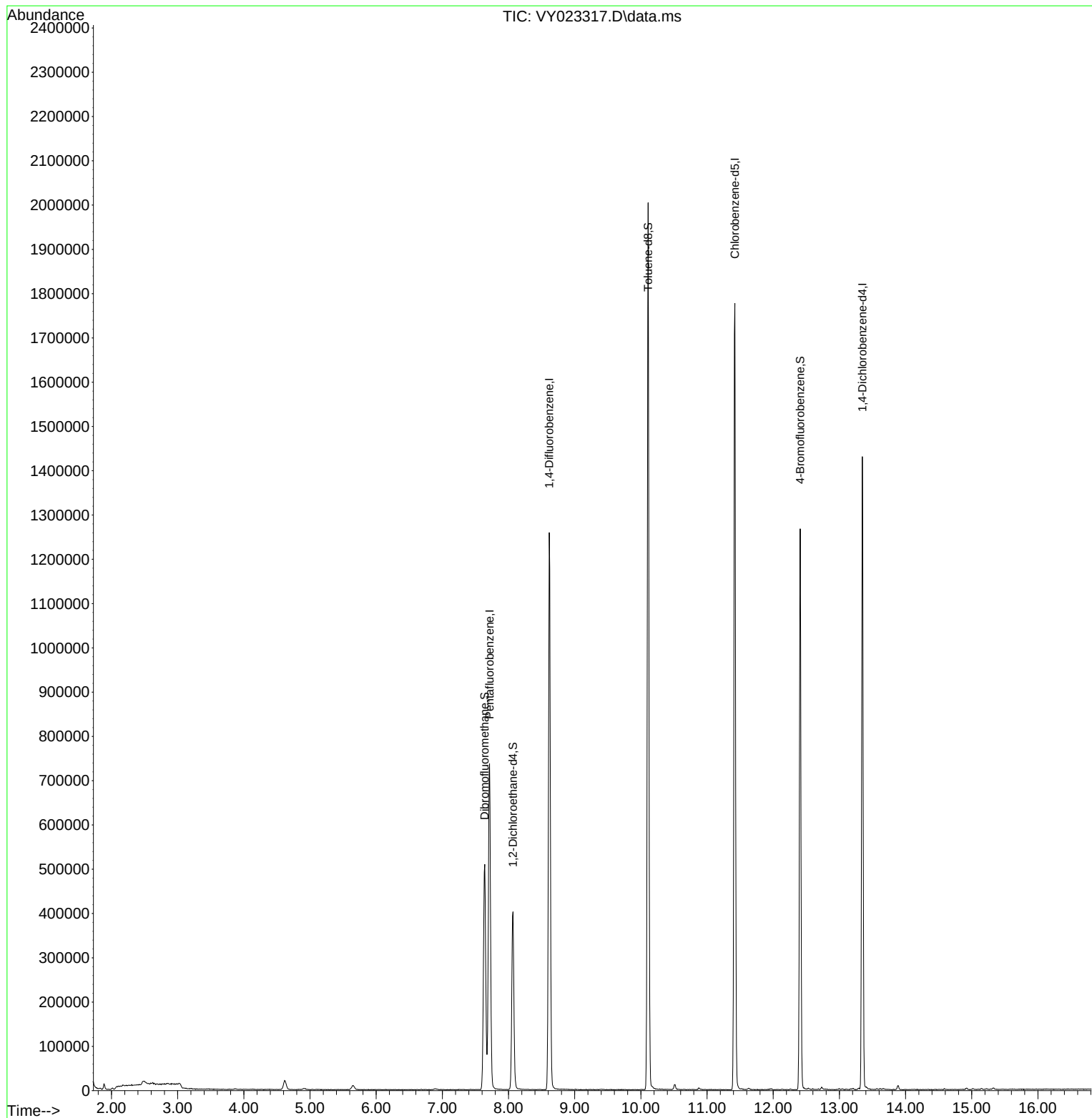
Target Compounds	Qvalue

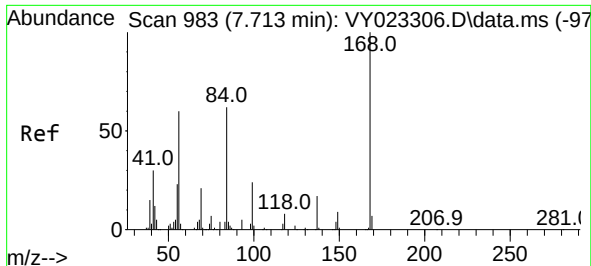
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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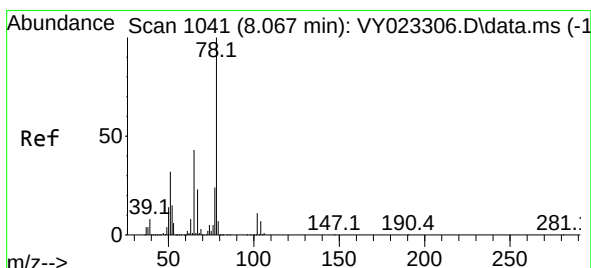
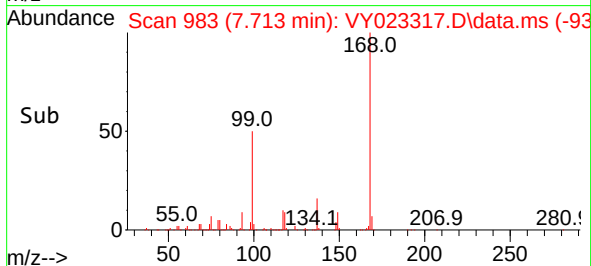
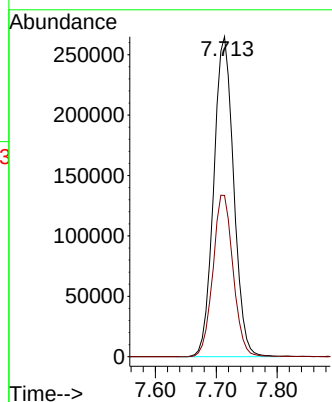
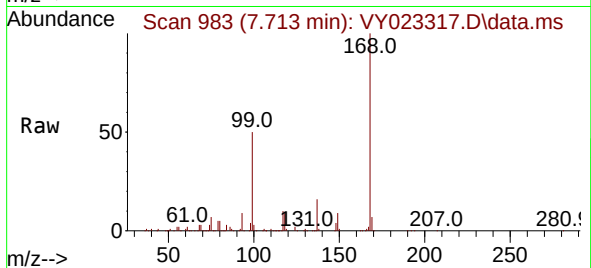




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

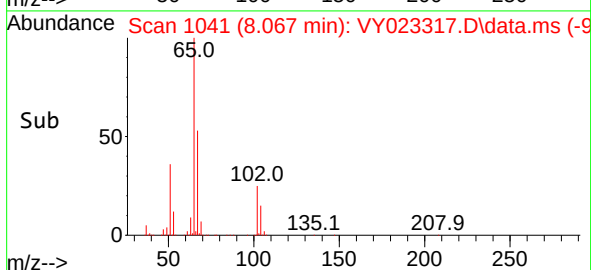
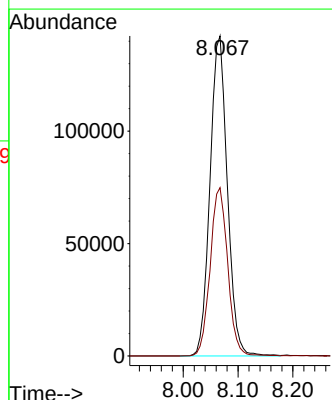
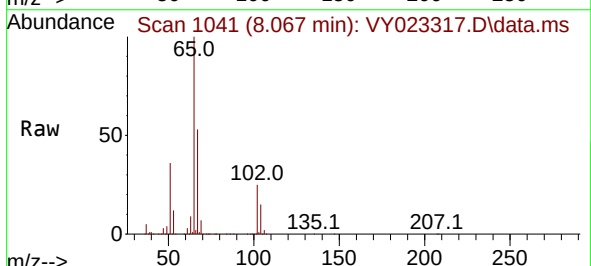
Instrument :
MSVOA_Y
ClientSampleId :
MH-385-VOC

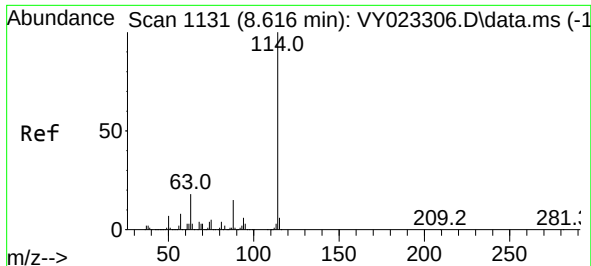
Tgt Ion:168 Resp: 603166
Ion Ratio Lower Upper
168 100
99 50.4 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 58.855 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

Tgt Ion: 65 Resp: 311940
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8

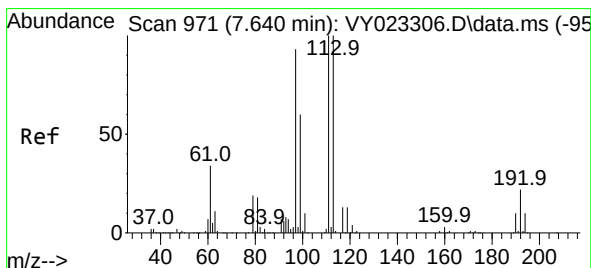
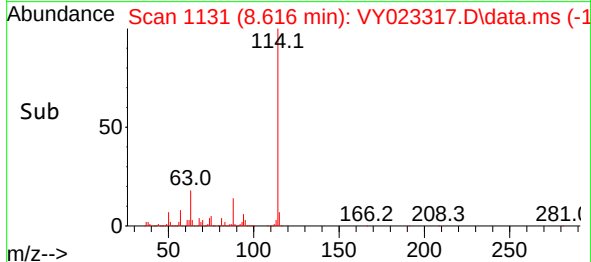
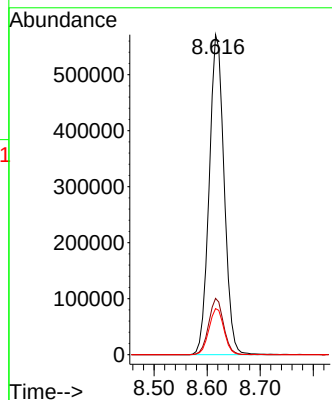
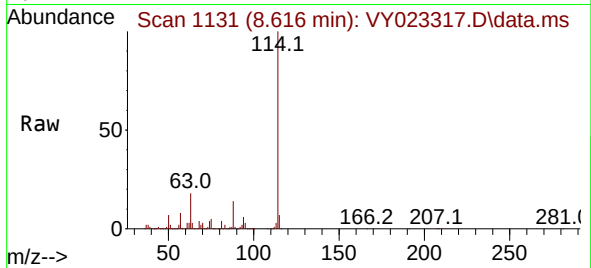




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

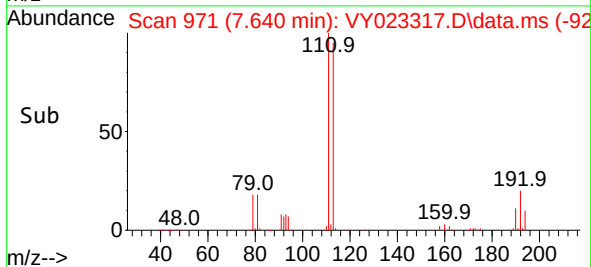
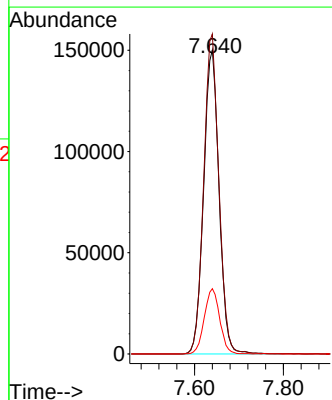
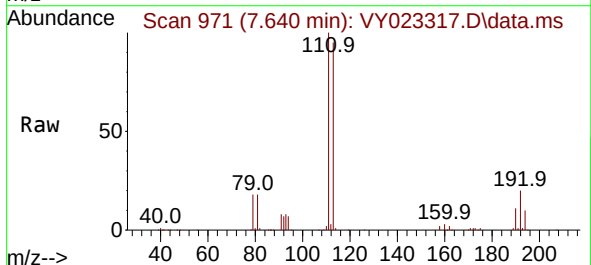
Instrument :
MSVOA_Y
ClientSampleId :
MH-385-VOC

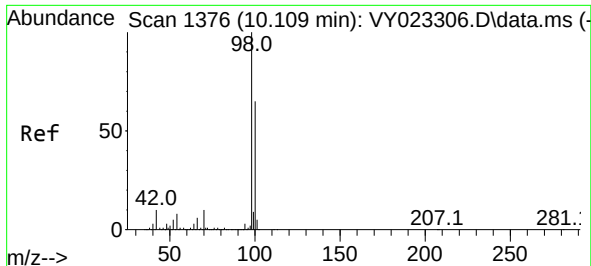
Tgt Ion:114 Resp: 1116712
Ion Ratio Lower Upper
114 100
63 17.6 0.0 38.4
88 14.4 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.152 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

Tgt Ion:113 Resp: 362822
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 21.5 16.2 24.4

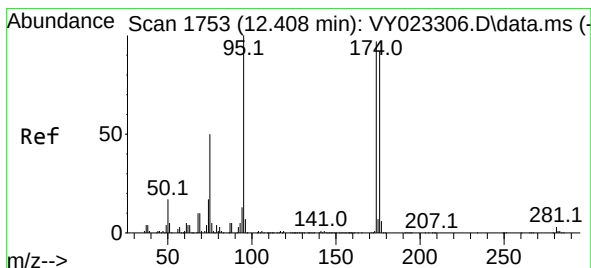
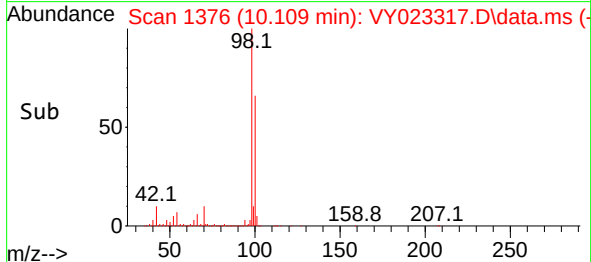
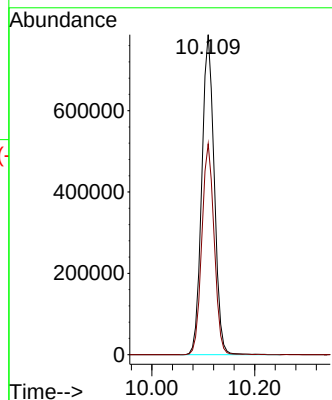
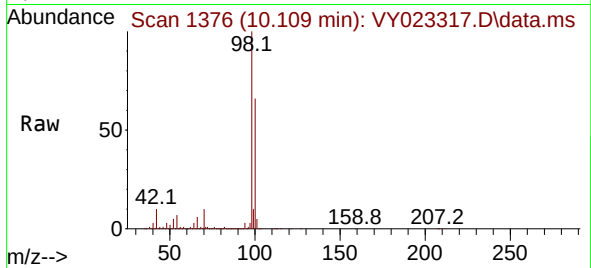




#50
Toluene-d8
Concen: 51.193 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

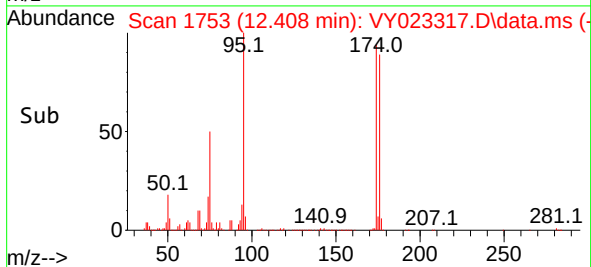
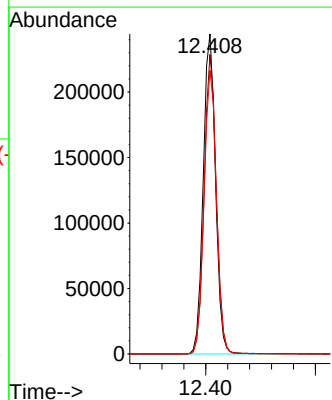
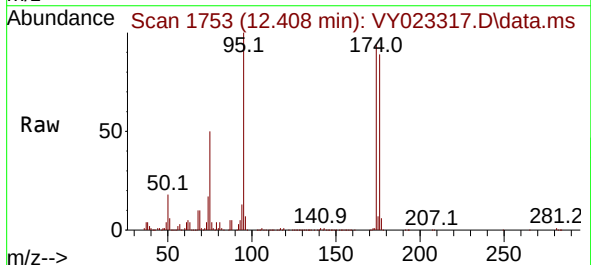
Instrument :
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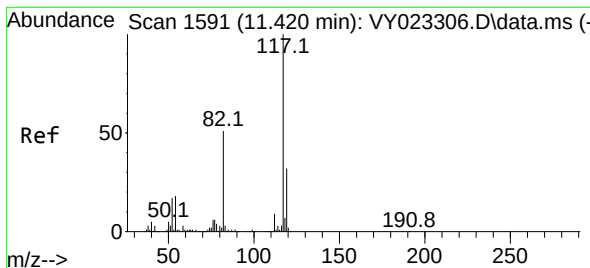
Tgt Ion: 98 Resp: 1319526
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.687 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

Tgt Ion: 95 Resp: 378700
Ion Ratio Lower Upper
95 100
174 93.0 0.0 171.6
176 89.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023317.D

Acq: 09 Sep 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

MH-385-VOC

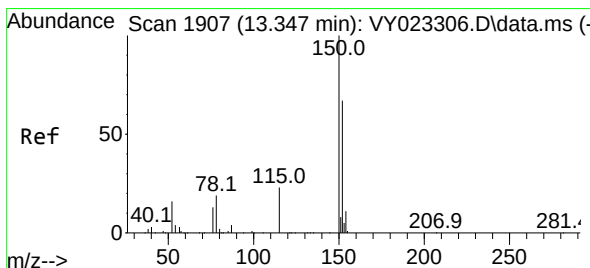
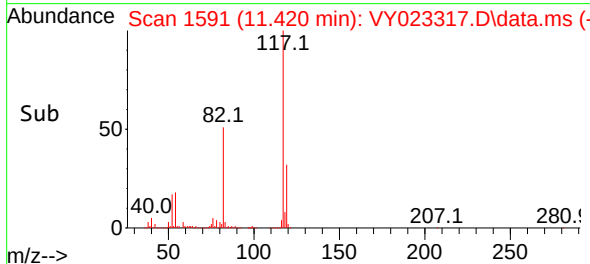
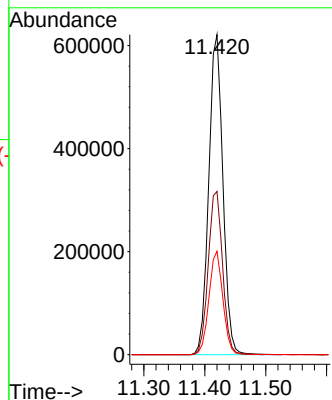
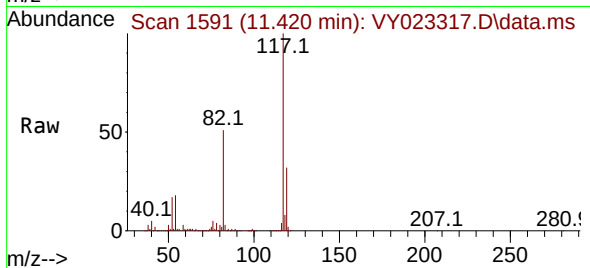
Tgt Ion:117 Resp: 1001001

Ion Ratio Lower Upper

117 100

82 51.0 43.4 65.0

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023317.D

Acq: 09 Sep 2025 11:40

Tgt Ion:152 Resp: 375265

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 156.4 0.0 348.0

