

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110725\
 Data File : VY023708.D
 Acq On : 07 Nov 2025 15:06
 Operator : SY/MD
 Sample : Q3577-03
 Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1A-VOC

Quant Time: Nov 08 03:28:16 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	748250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1278276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1087835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	423734	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	361069	56.570	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.140%
35) Dibromofluoromethane	7.634	113	409819	51.302	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.600%
50) Toluene-d8	10.109	98	1470749	49.425	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.860%
62) 4-Bromofluorobenzene	12.407	95	417204	43.354	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.700%

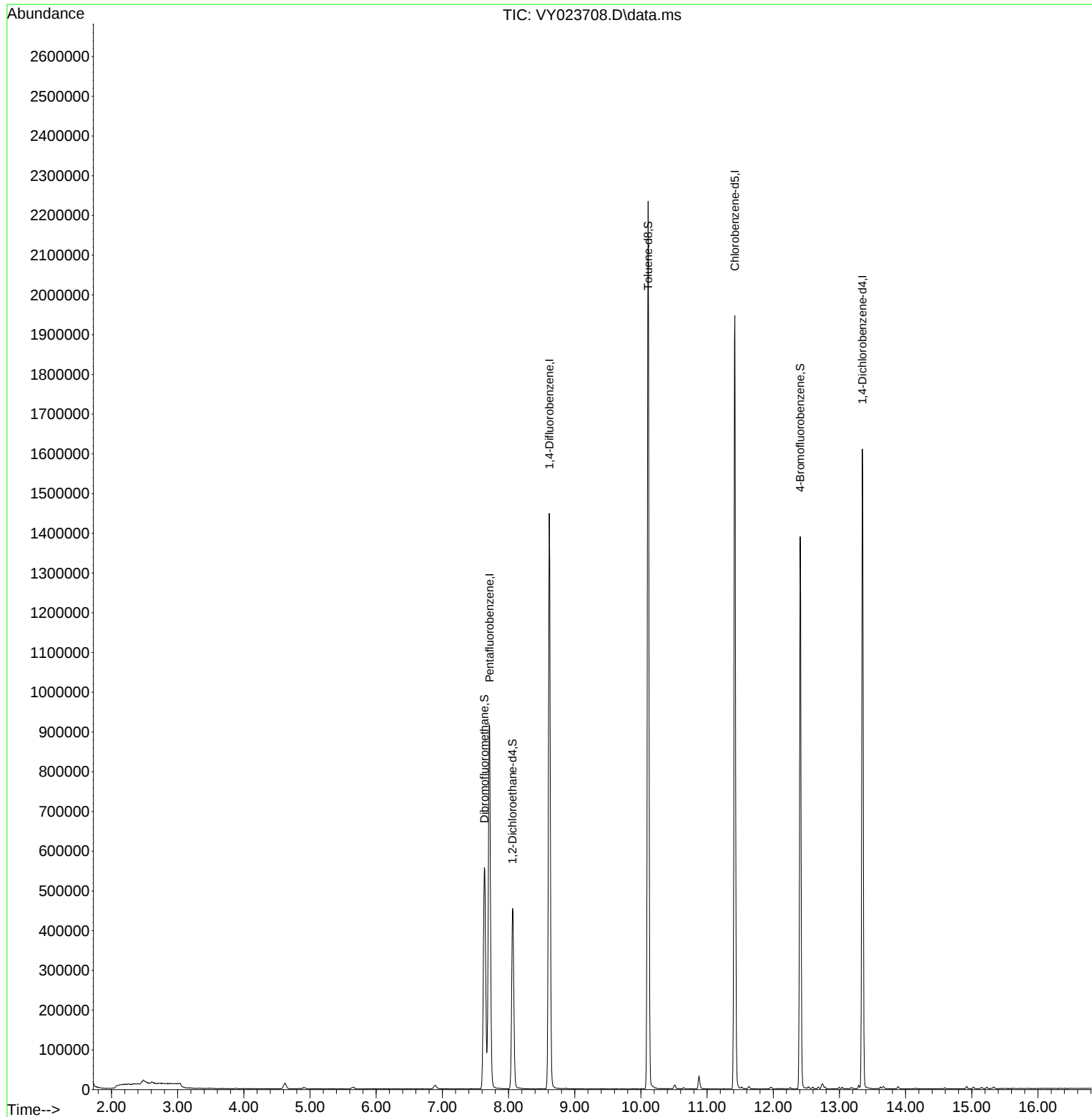
Target Compounds	Qvalue

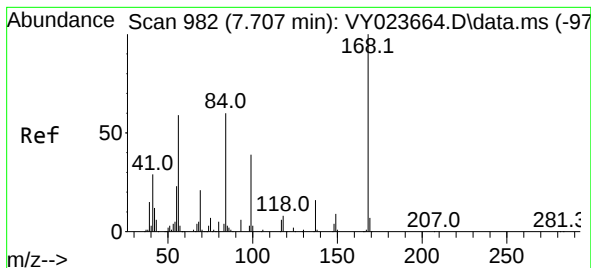
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY023708.D

Acq: 07 Nov 2025 15:06

Instrument :

MSVOA_Y

ClientSampleId :

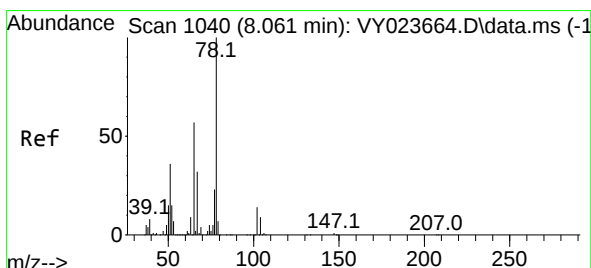
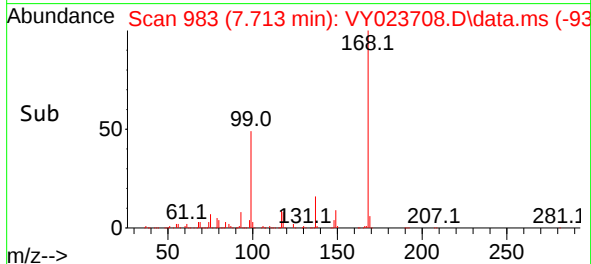
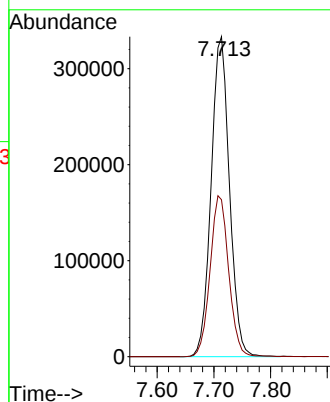
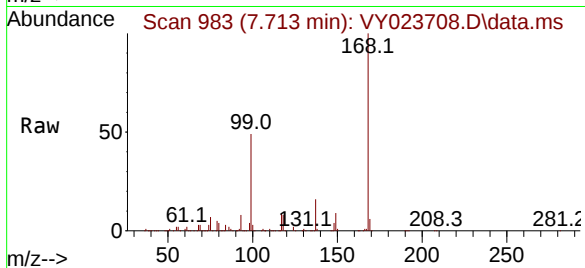
WC-1A-VOC

Tgt Ion:168 Resp: 748250

Ion Ratio Lower Upper

168 100

99 49.1 41.0 61.4



#33

1,2-Dichloroethane-d4

Concen: 56.570 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023708.D

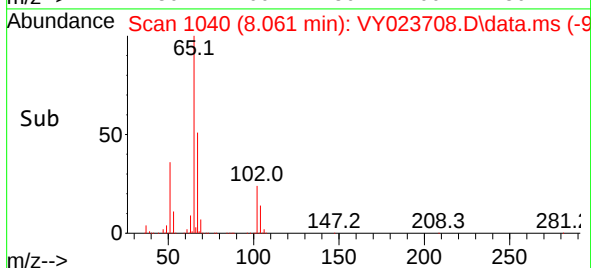
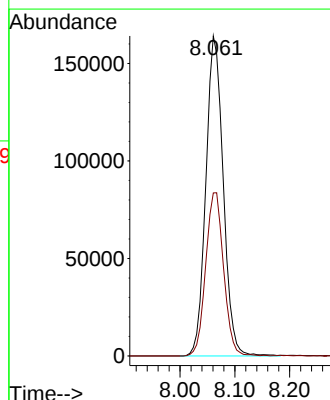
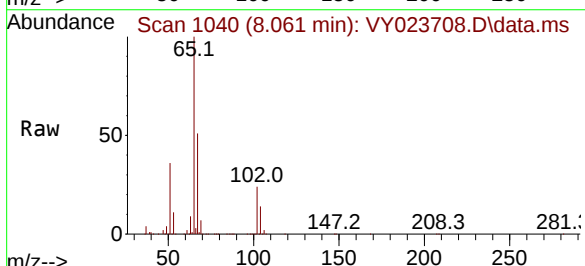
Acq: 07 Nov 2025 15:06

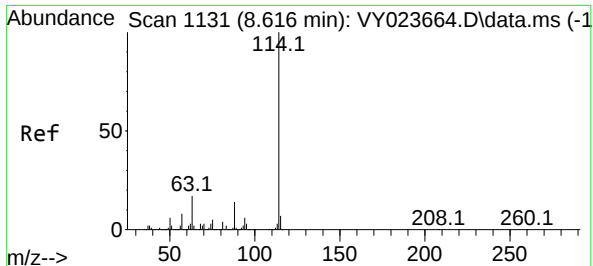
Tgt Ion: 65 Resp: 361069

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023708.D

Acq: 07 Nov 2025 15:06

Instrument :

MSVOA_Y

ClientSampleId :

WC-1A-VOC

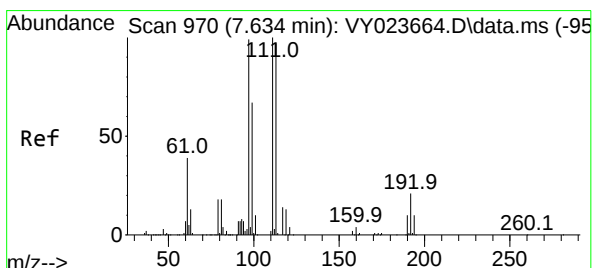
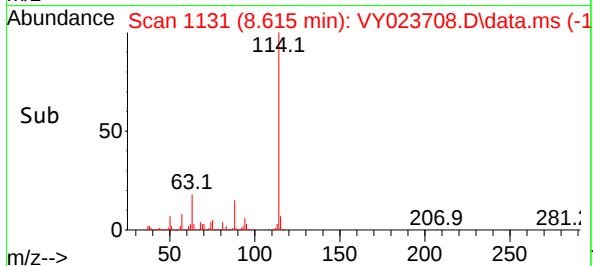
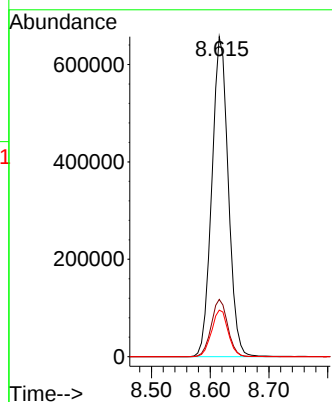
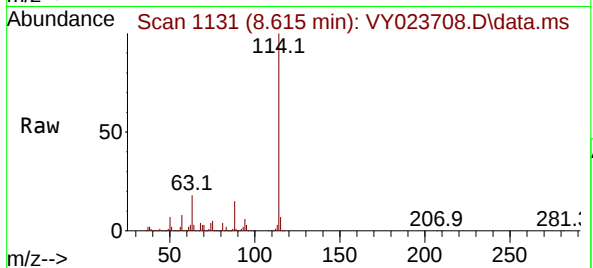
Tgt Ion:114 Resp: 1278276

Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.8

88 14.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.302 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023708.D

Acq: 07 Nov 2025 15:06

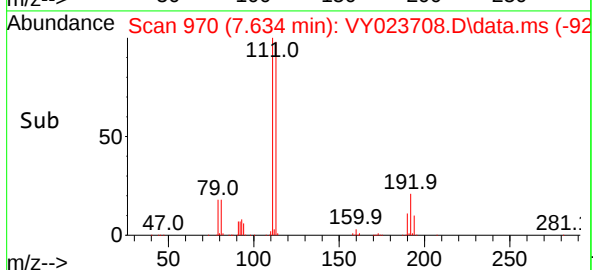
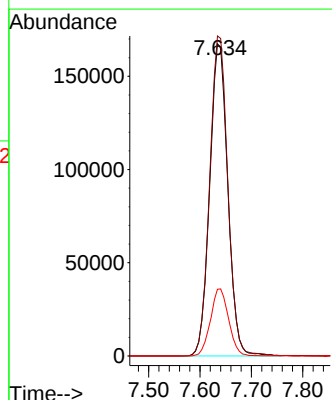
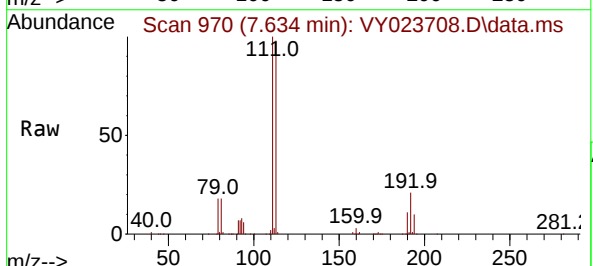
Tgt Ion:113 Resp: 409819

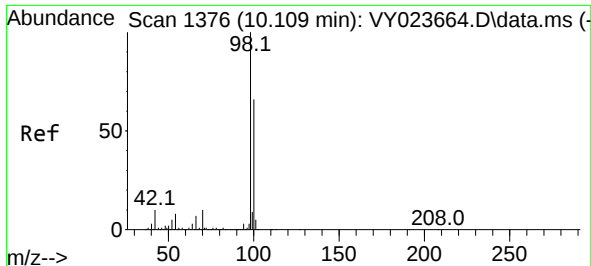
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 21.5 17.3 25.9

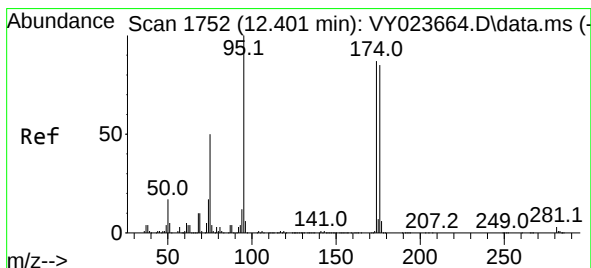
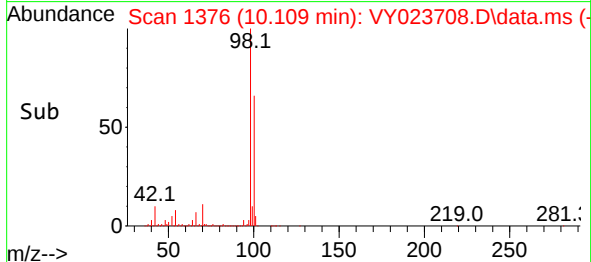
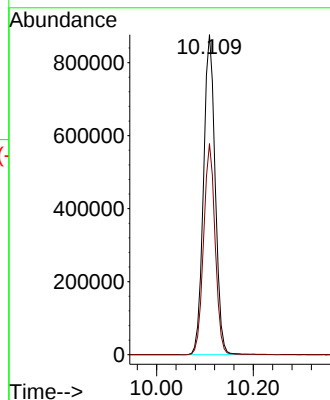
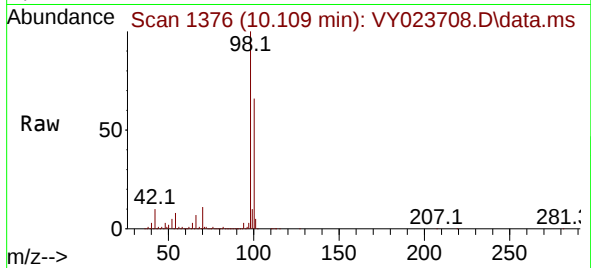




#50
Toluene-d8
Concen: 49.425 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

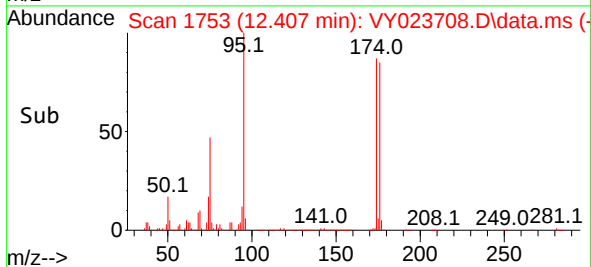
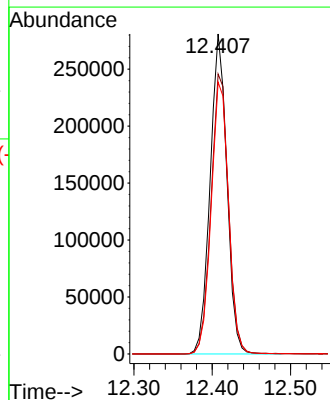
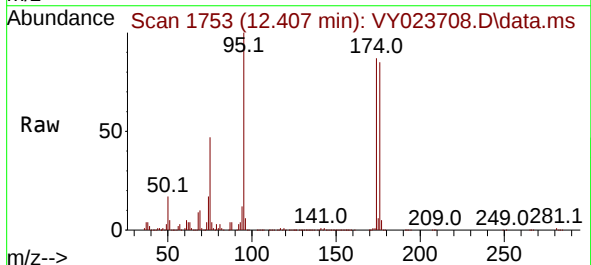
Instrument :
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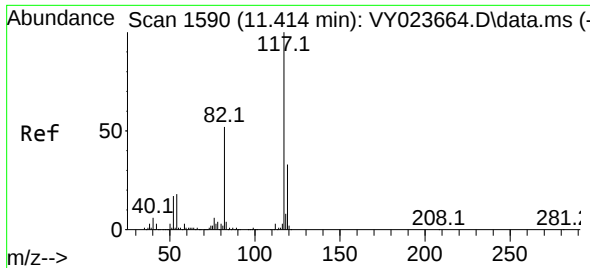
Tgt Ion: 98 Resp: 1470749
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 43.354 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

Tgt Ion: 95 Resp: 417204
Ion Ratio Lower Upper
95 100
174 91.4 0.0 184.8
176 87.9 0.0 181.6

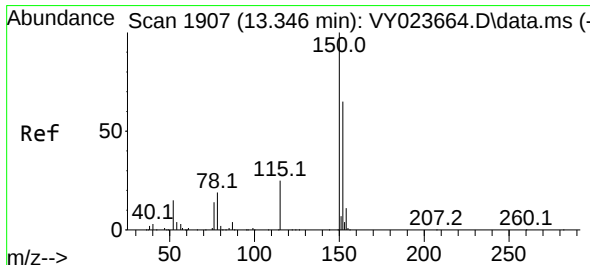
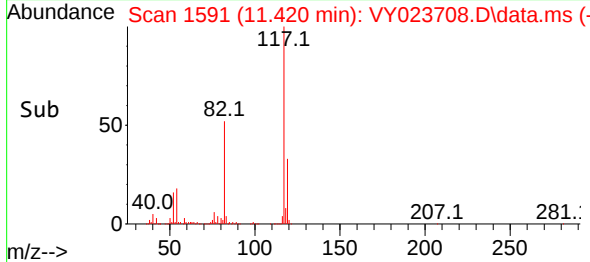
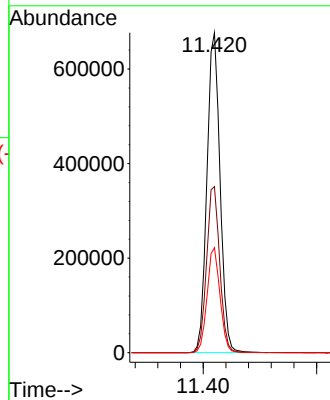
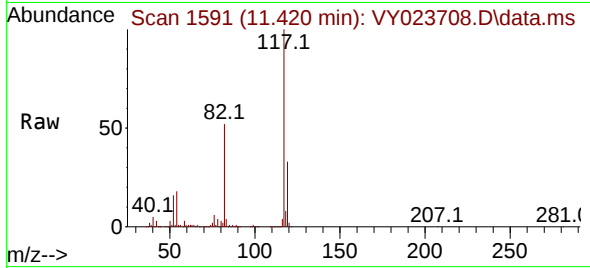




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
WC-1A-VOC

Tgt Ion:117 Resp: 1087835
Ion Ratio Lower Upper
117 100
82 51.9 41.2 61.8
119 32.8 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: VY023708.D
Acq: 07 Nov 2025 15:06

Tgt Ion:152 Resp: 423734
Ion Ratio Lower Upper
152 100
115 56.7 27.5 82.5
150 157.2 0.0 349.0

