

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021815.D
 Acq On : 09 Apr 2025 13:40
 Operator : SY/MD
 Sample : Q1712-03
 Misc : 4.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 Z-05A-VOC

Quant Time: Apr 10 01:42:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	211588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	408538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	362077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	136834	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139690	60.934	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.860%
35) Dibromofluoromethane	7.640	113	140358	52.963	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.920%
50) Toluene-d8	10.109	98	502093	49.802	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.600%
62) 4-Bromofluorobenzene	12.408	95	142883	41.899	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.800%

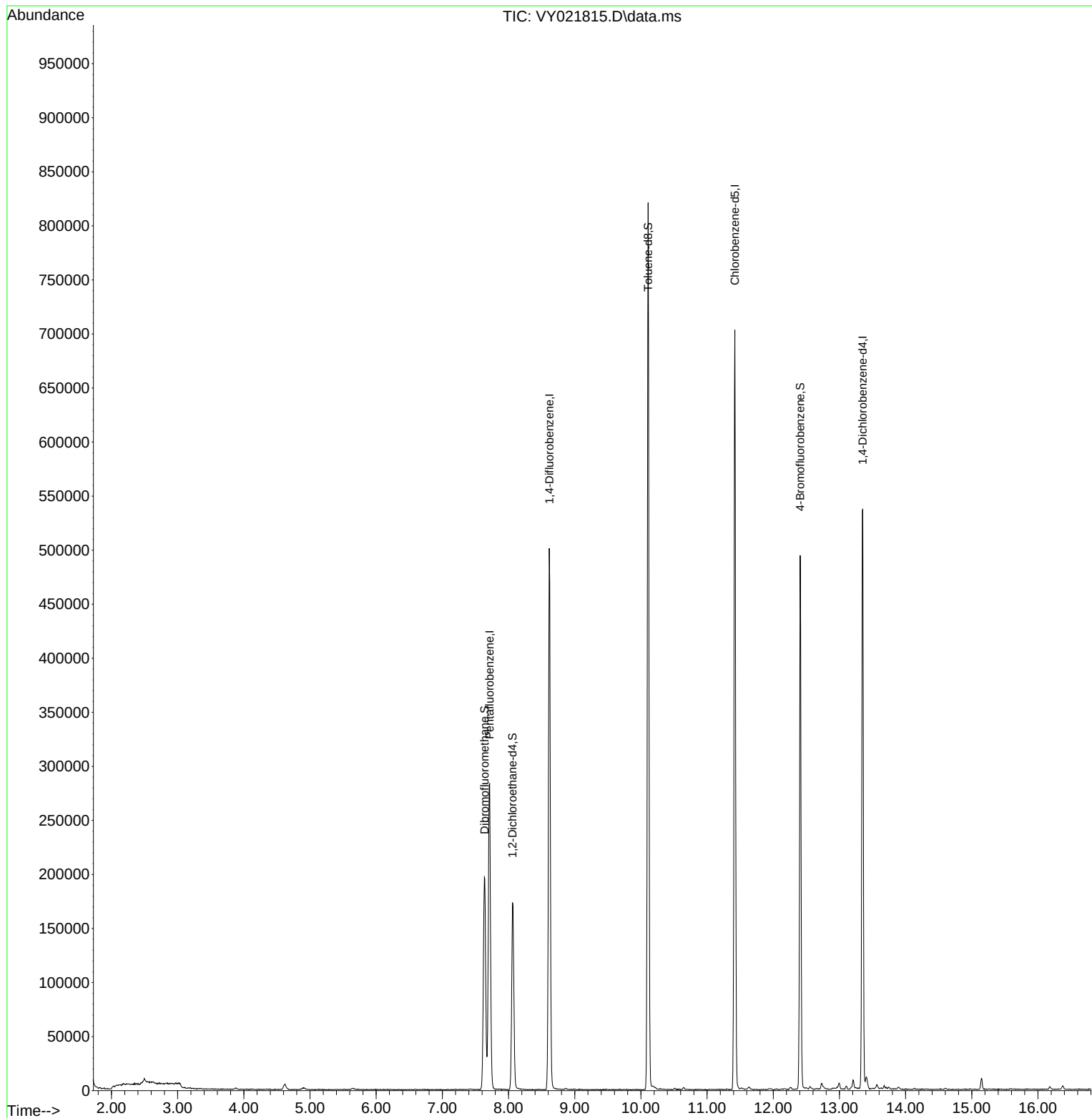
Target Compounds	Qvalue

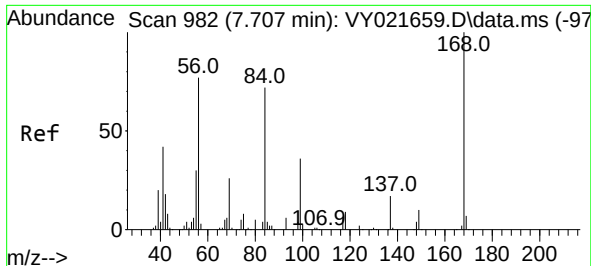
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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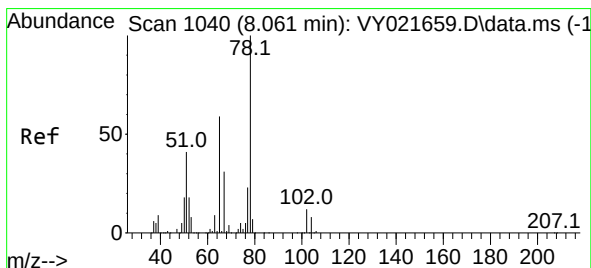
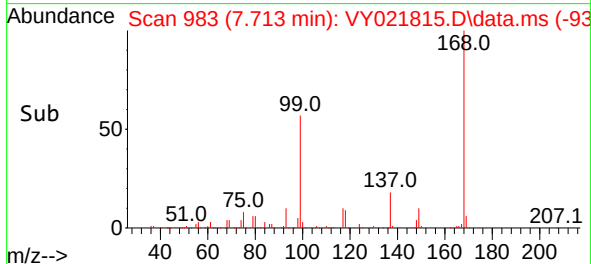
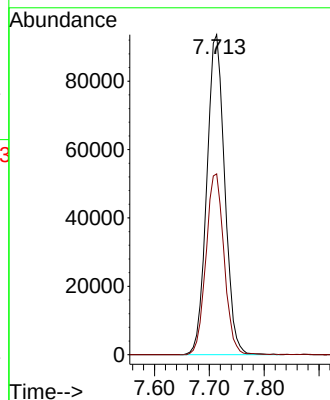
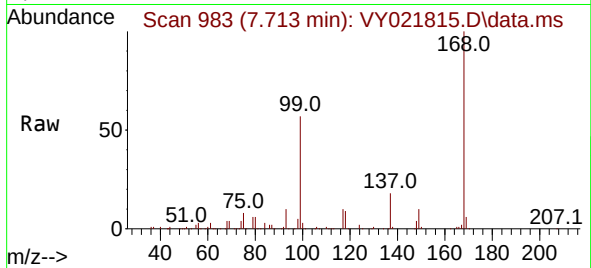




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

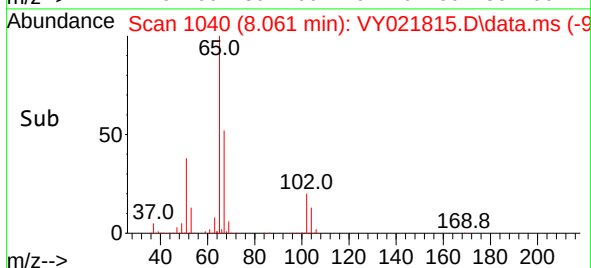
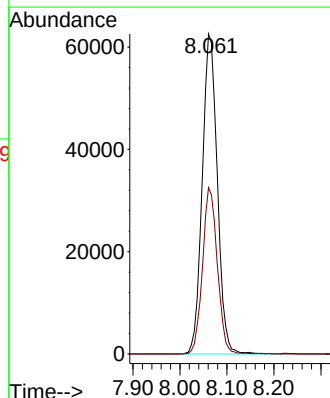
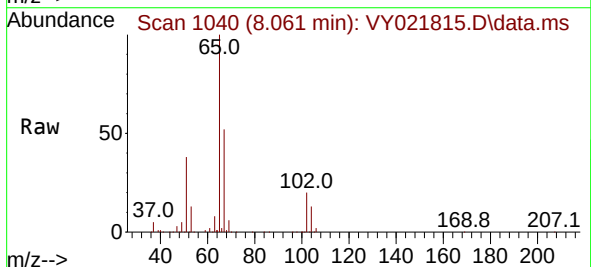
Instrument :
MSVOA_Y
ClientSampleId :
Z-05A-VOC

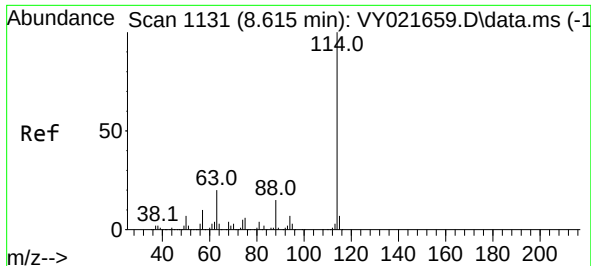
Tgt Ion:168 Resp: 211588
Ion Ratio Lower Upper
168 100
99 56.5 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 60.934 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

Tgt Ion: 65 Resp: 139690
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.6

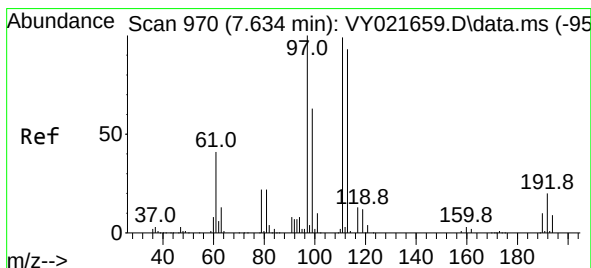
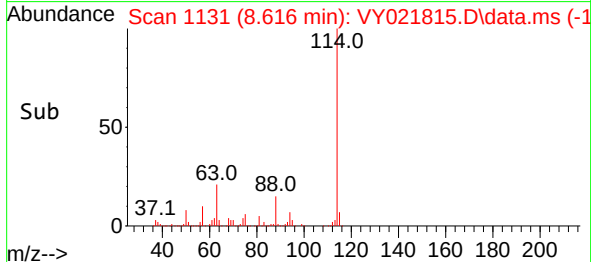
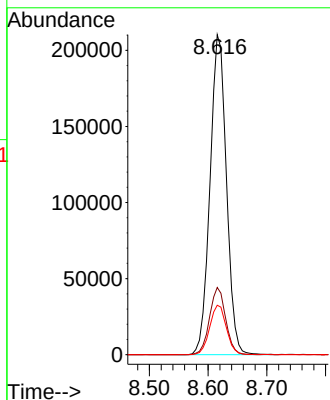
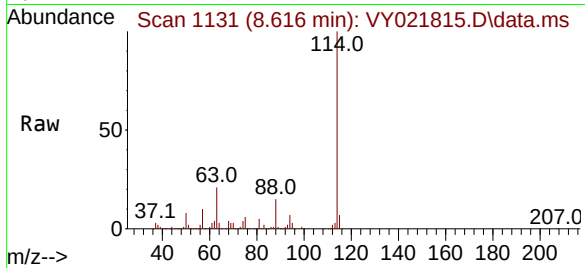




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

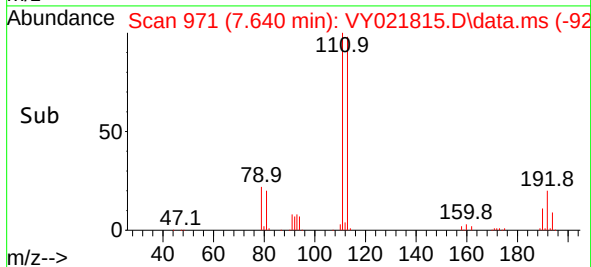
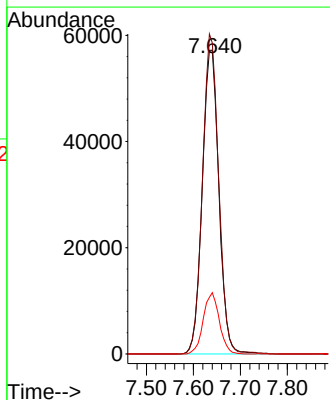
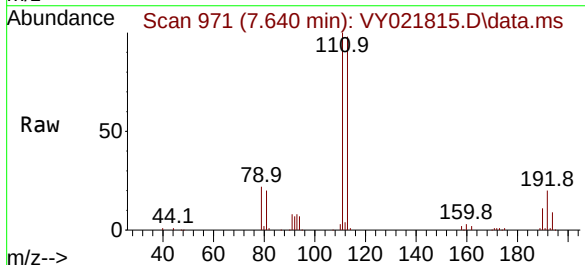
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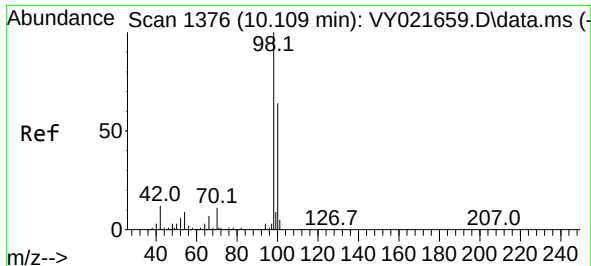
Tgt Ion:114 Resp: 408538
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.2
88 15.5 0.0 29.8



#35
Dibromofluoromethane
Concen: 52.963 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

Tgt Ion:113 Resp: 140358
Ion Ratio Lower Upper
113 100
111 102.6 82.6 123.8
192 19.5 16.2 24.4

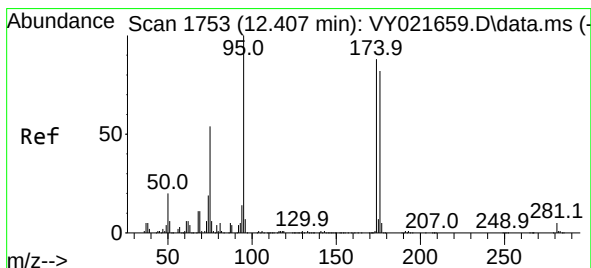
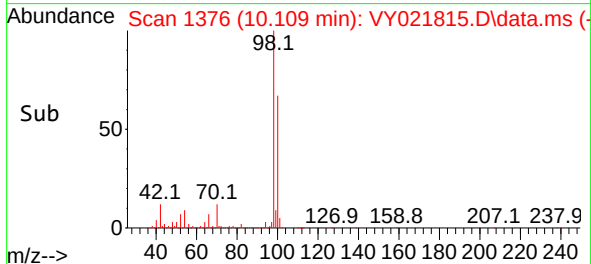
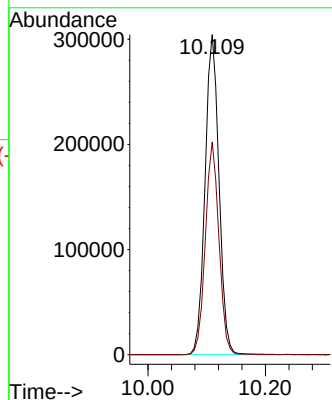
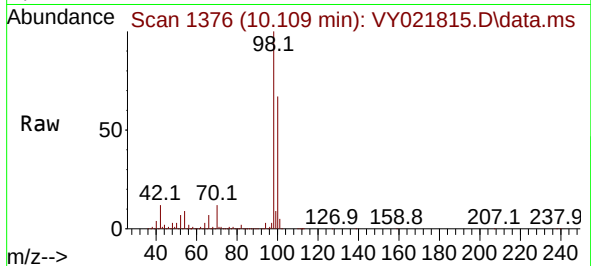




#50
Toluene-d8
Concen: 49.802 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

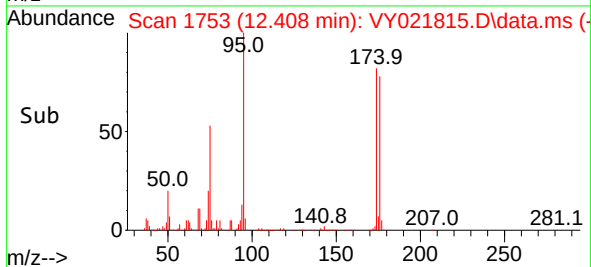
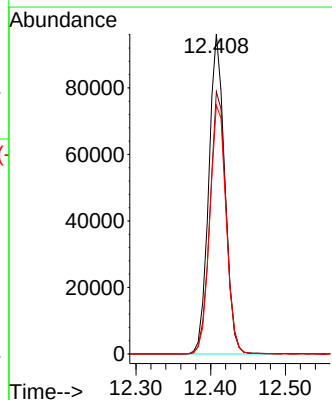
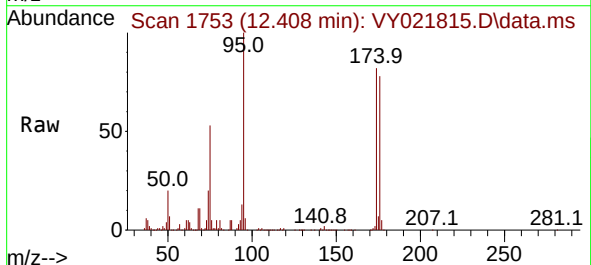
Instrument :
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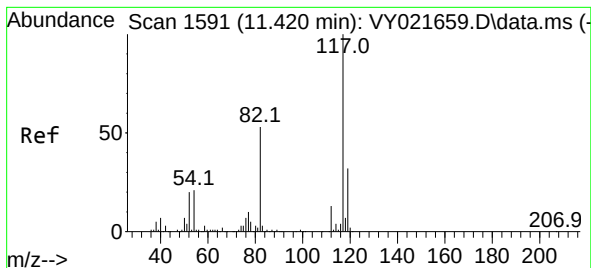
Tgt Ion: 98 Resp: 502093
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 41.899 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

Tgt Ion: 95 Resp: 142883
Ion Ratio Lower Upper
95 100
174 83.3 0.0 170.8
176 79.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021815.D

Acq: 09 Apr 2025 13:40

Instrument :

MSVOA_Y

ClientSampleId :

Z-05A-VOC

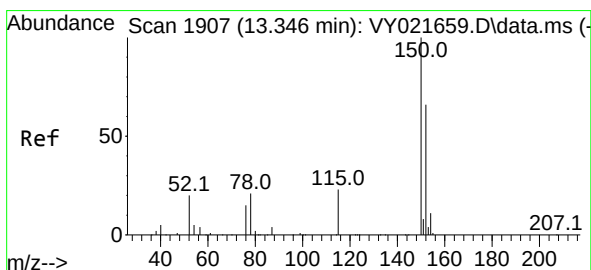
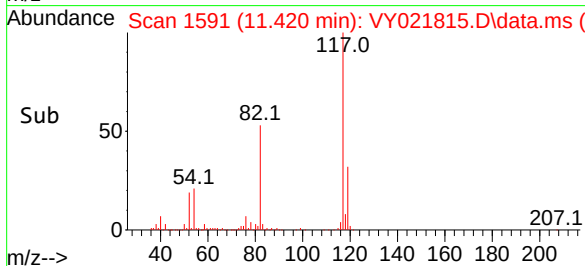
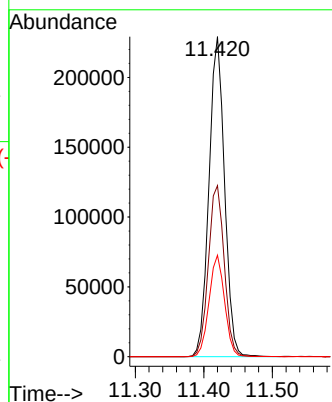
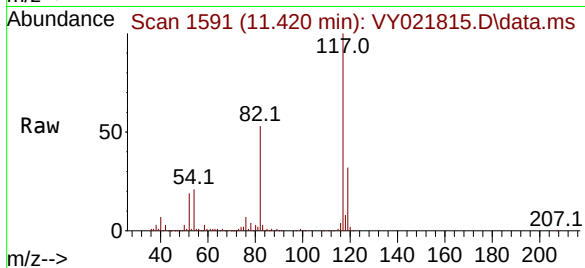
Tgt Ion:117 Resp: 362077

Ion Ratio Lower Upper

117 100

82 53.4 42.8 64.2

119 31.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021815.D

Acq: 09 Apr 2025 13:40

Tgt Ion:152 Resp: 136834

Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 156.4 0.0 348.4

