

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023420.D
 Acq On : 09 Oct 2025 14:36
 Operator : SY/MD
 Sample : Q3322-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-100925

Quant Time: Oct 10 04:26:59 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	599433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1178509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1140602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	476655	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	312043	62.252	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.500%
35) Dibromofluoromethane	7.640	113	394898	54.534	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.060%
50) Toluene-d8	10.109	98	1411816	52.352	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.700%
62) 4-Bromofluorobenzene	12.407	95	449974	50.540	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.080%

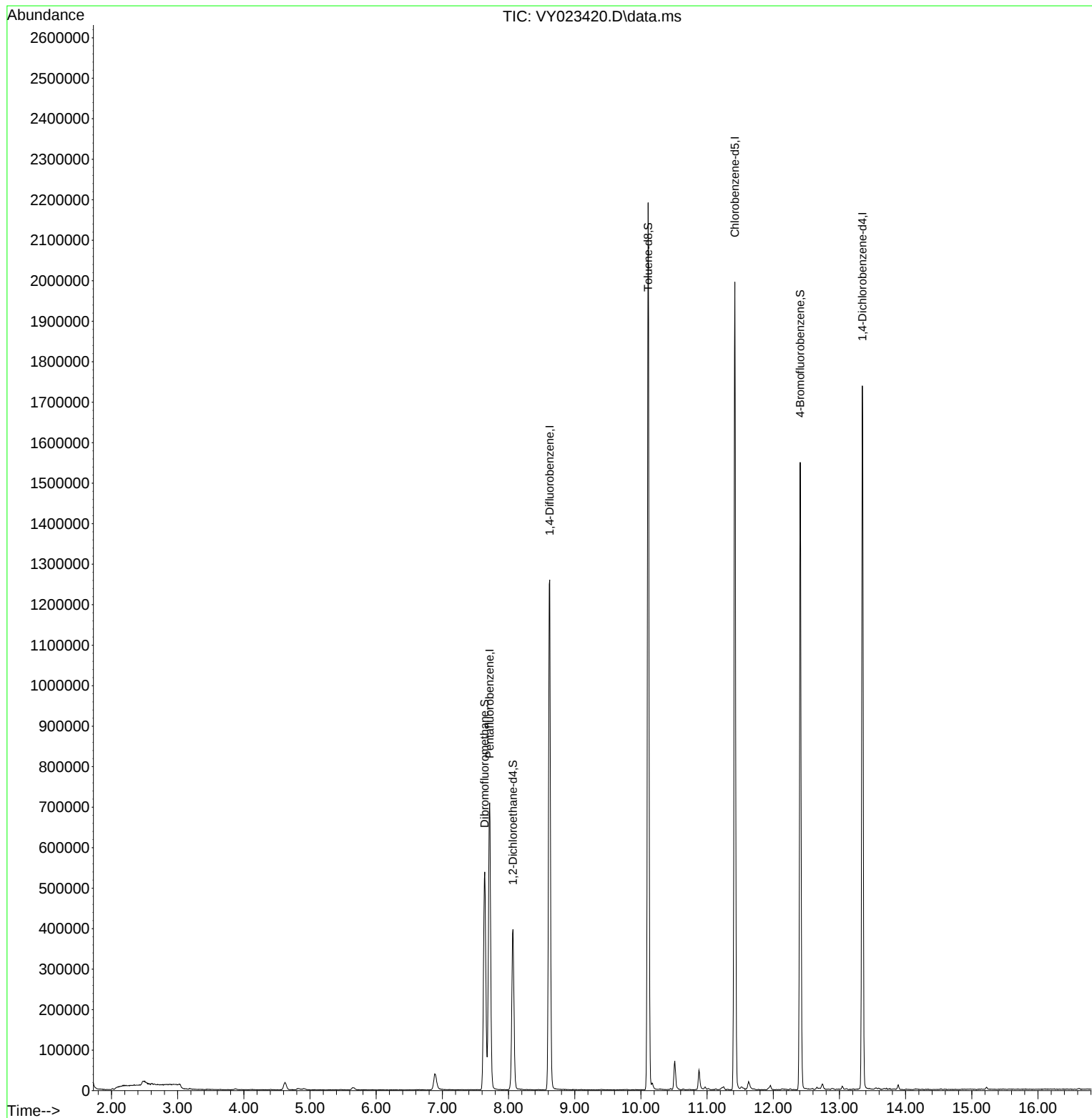
Target Compounds	Qvalue

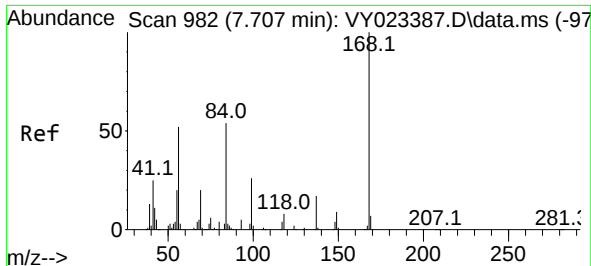
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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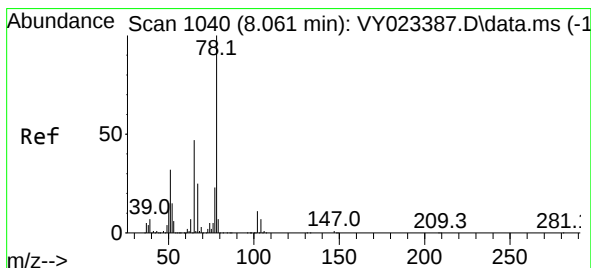
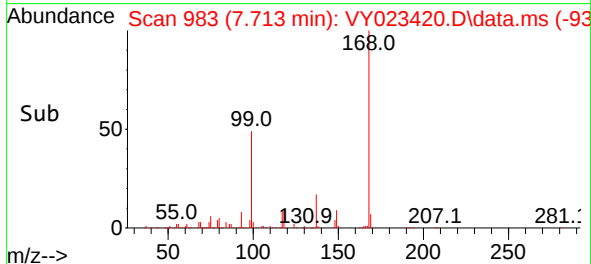
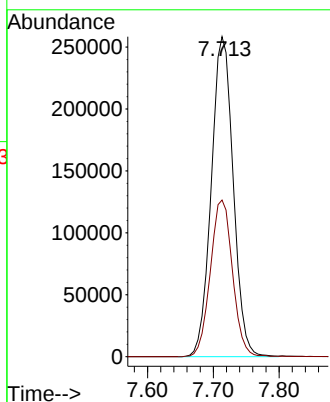
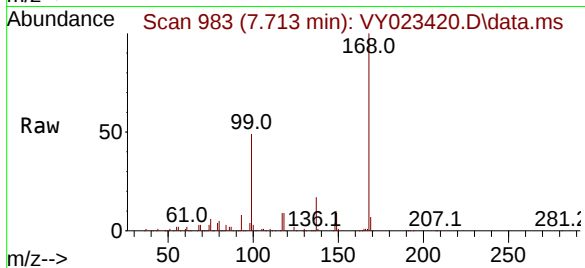




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

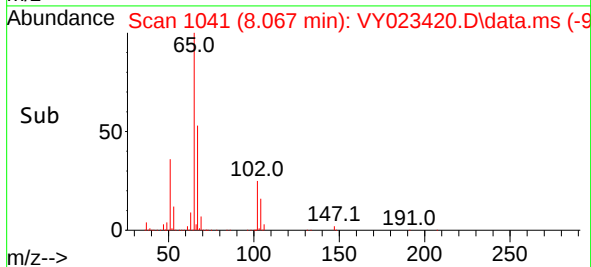
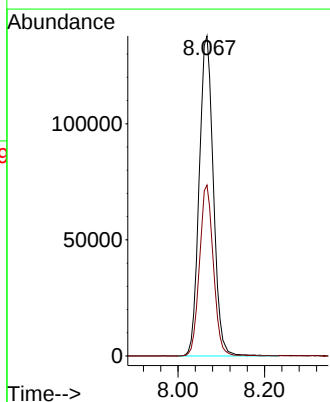
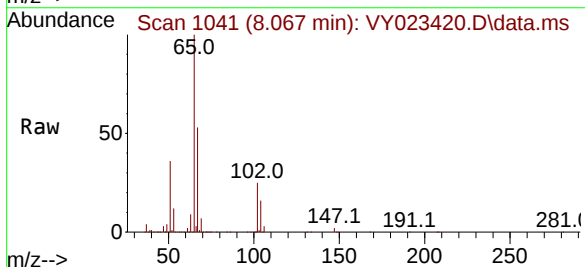
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-100925

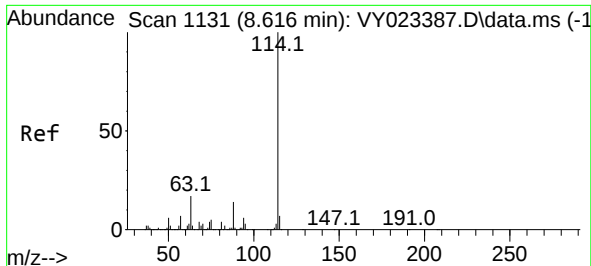
Tgt Ion:168 Resp: 599433
Ion Ratio Lower Upper
168 100
99 48.9 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 62.252 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

Tgt Ion: 65 Resp: 312043
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8

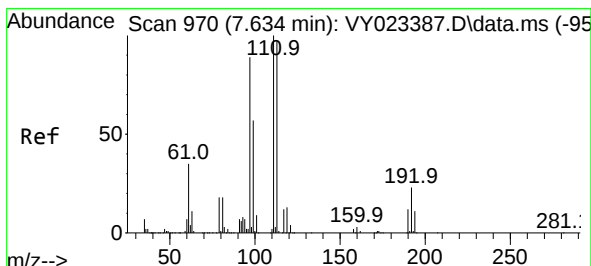
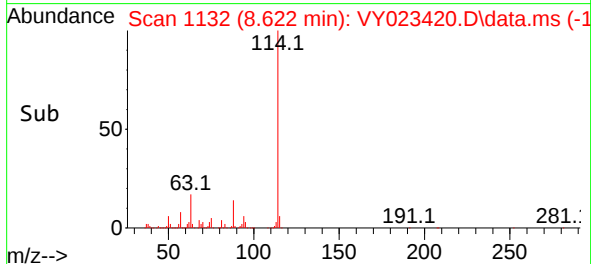
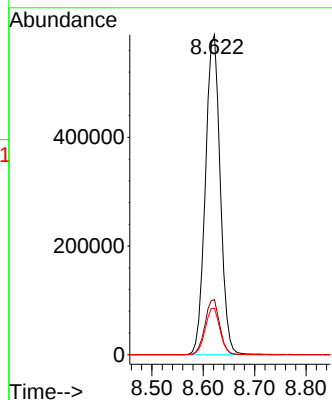
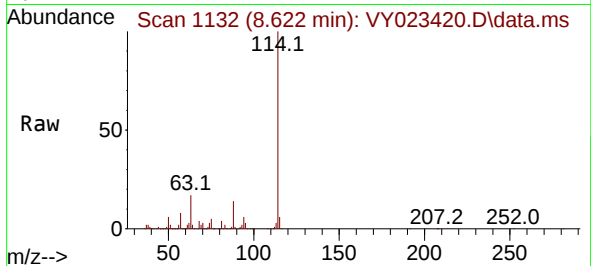




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

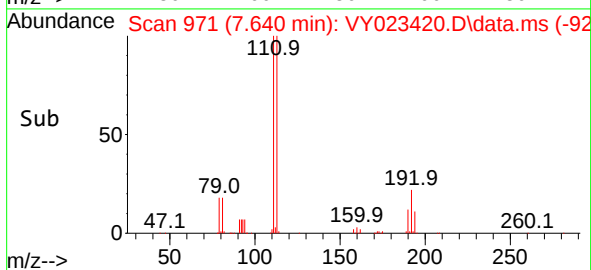
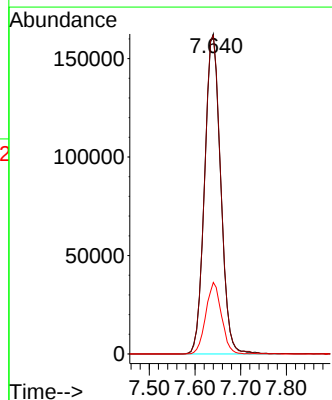
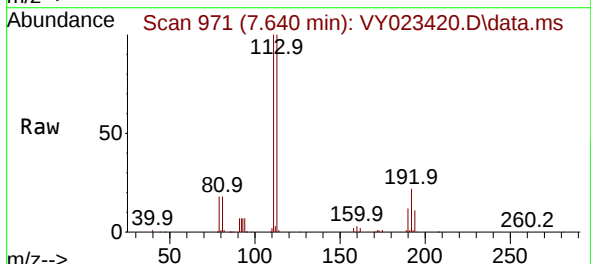
Instrument :
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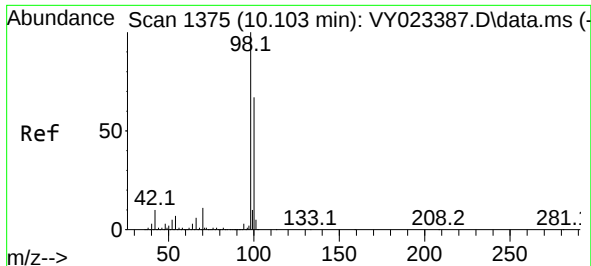
Tgt Ion:114 Resp: 1178509
Ion Ratio Lower Upper
114 100
63 17.2 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 54.534 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

Tgt Ion:113 Resp: 394898
Ion Ratio Lower Upper
113 100
111 100.4 81.8 122.6
192 21.9 18.0 27.0

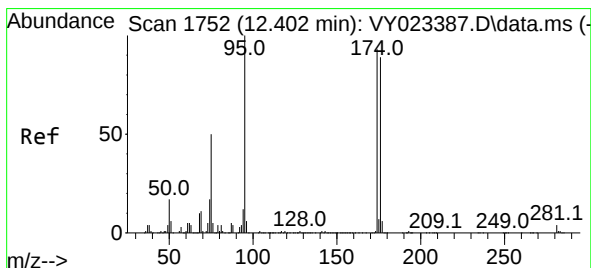
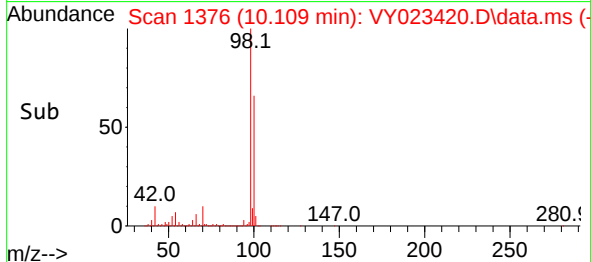
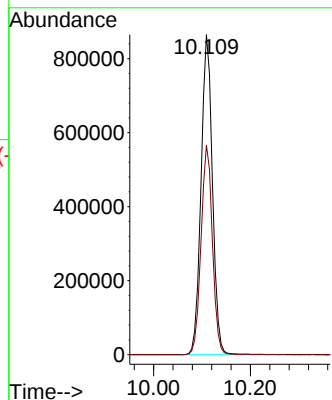
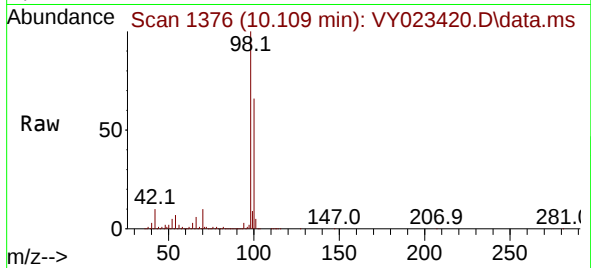




#50
Toluene-d8
Concen: 52.352 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

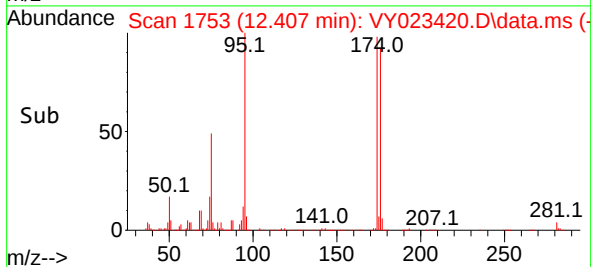
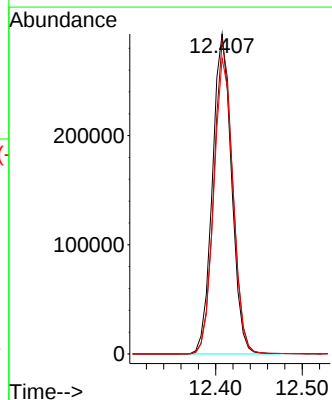
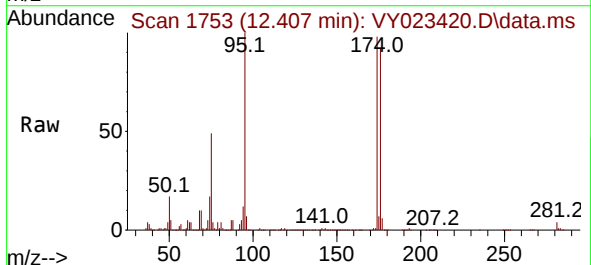
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-100925

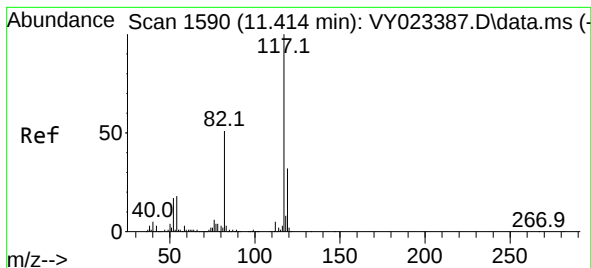
Tgt Ion: 98 Resp: 1411816
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 50.540 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023420.D
Acq: 09 Oct 2025 14:36

Tgt Ion: 95 Resp: 449974
Ion Ratio Lower Upper
95 100
174 96.8 0.0 192.8
176 92.9 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: VY023420.D

Acq: 09 Oct 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-100925

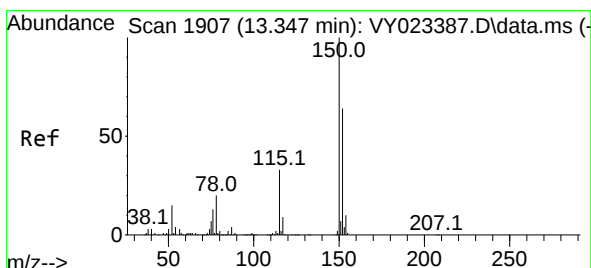
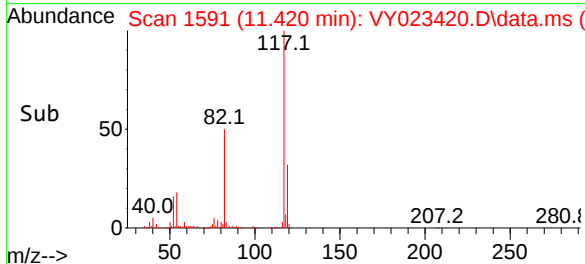
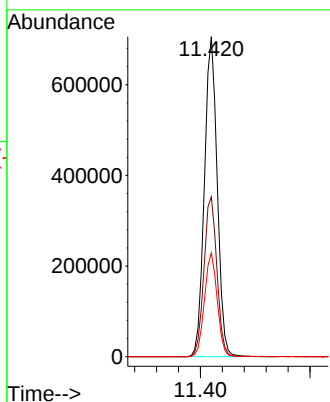
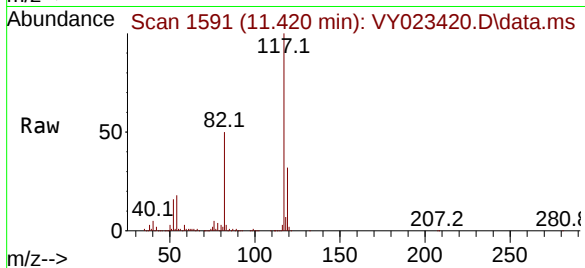
Tgt Ion:117 Resp: 1140602

Ion Ratio Lower Upper

117 100

82 49.9 41.0 61.4

119 32.4 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: VY023420.D

Acq: 09 Oct 2025 14:36

Tgt Ion:152 Resp: 476655

Ion Ratio Lower Upper

152 100

115 53.7 27.1 81.2

150 156.4 0.0 347.4

