

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021718.D
 Acq On : 31 Mar 2025 14:38
 Operator : SY/MD
 Sample : Q1675-01
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P1

Quant Time: Apr 01 05:37:13 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	225152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	422046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	384322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151796	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	135238	55.438	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.880%
35) Dibromofluoromethane	7.634	113	142437	52.027	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.060%
50) Toluene-d8	10.109	98	510650	49.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.407	95	158668	45.039	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.080%

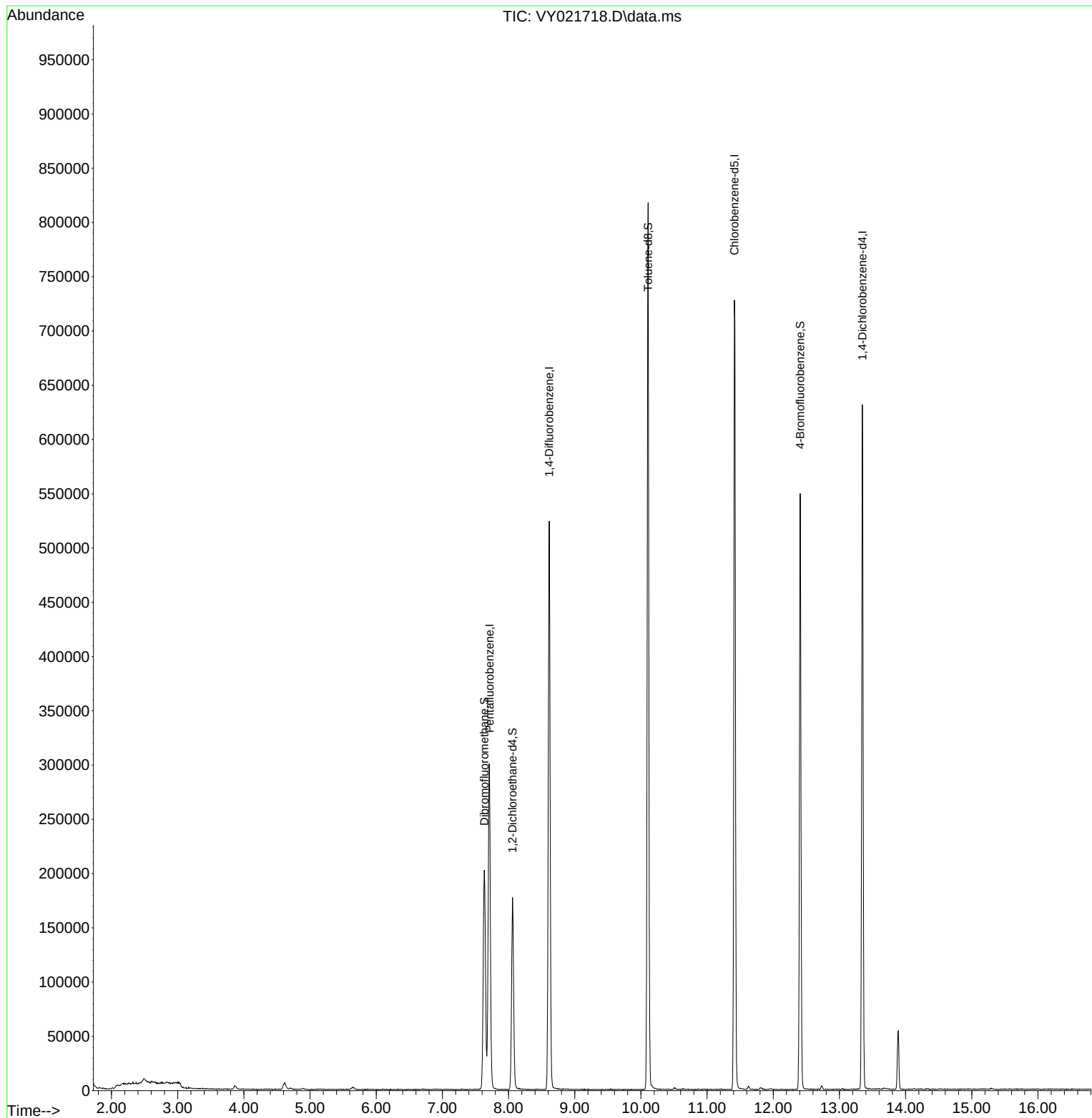
Target Compounds	Qvalue

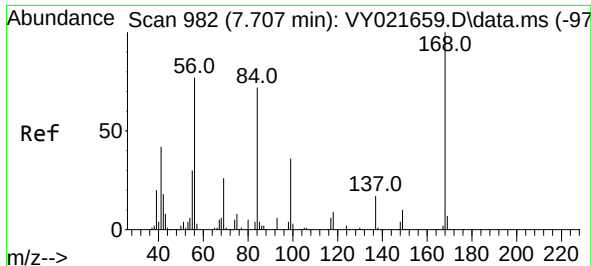
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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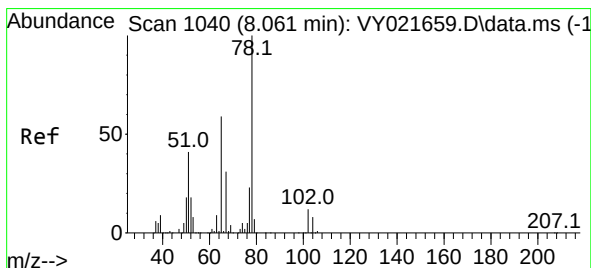
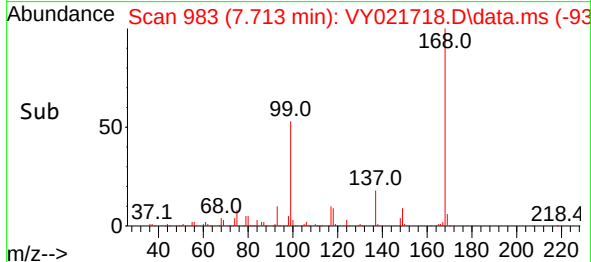
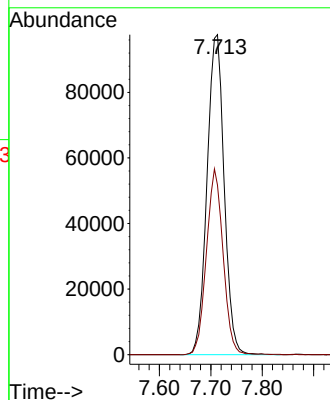
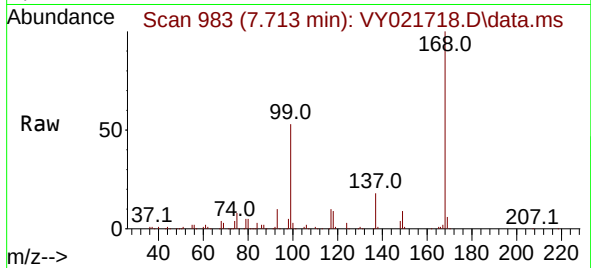




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

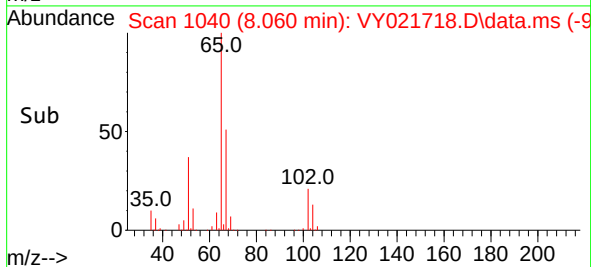
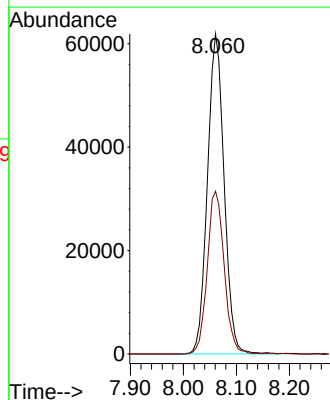
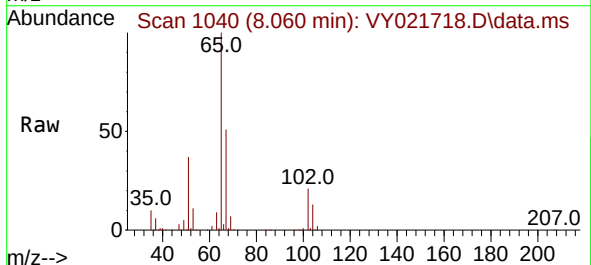
Instrument :
MSVOA_Y
ClientSampleId :
P1

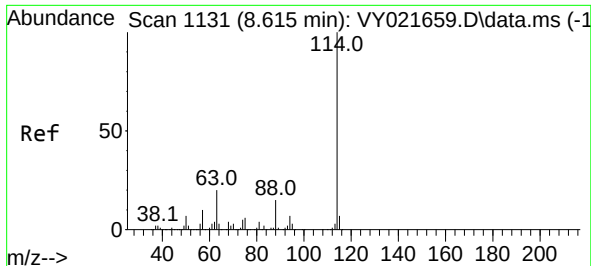
Tgt Ion:168 Resp: 225152
Ion Ratio Lower Upper
168 100
99 53.0 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 55.438 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion: 65 Resp: 135238
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6

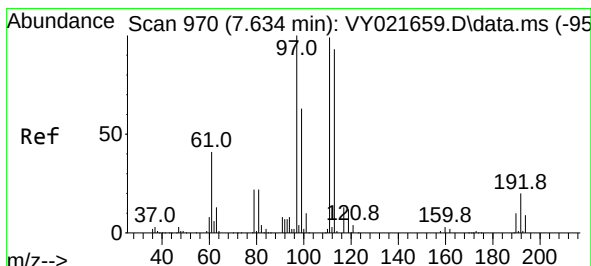
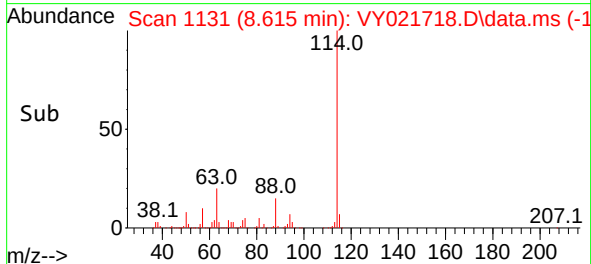
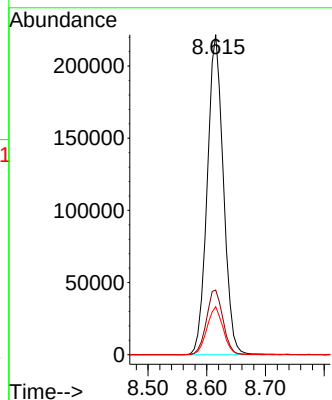
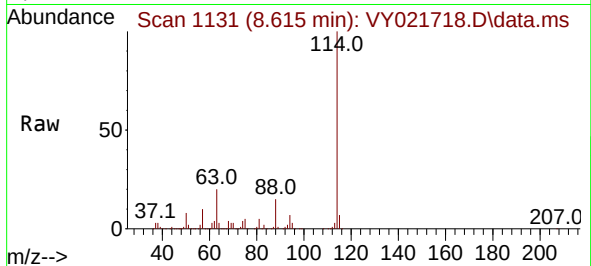




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

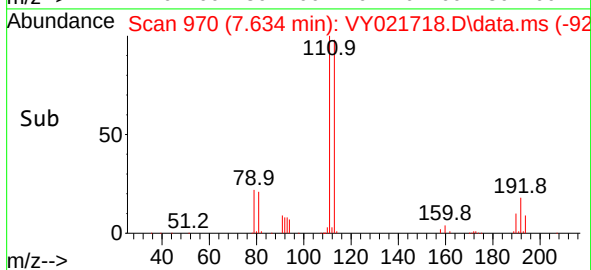
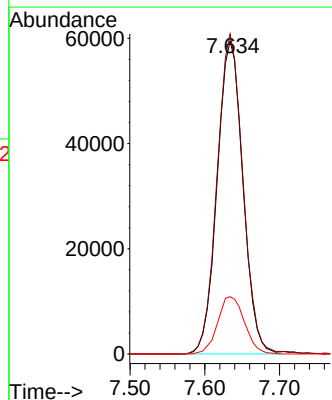
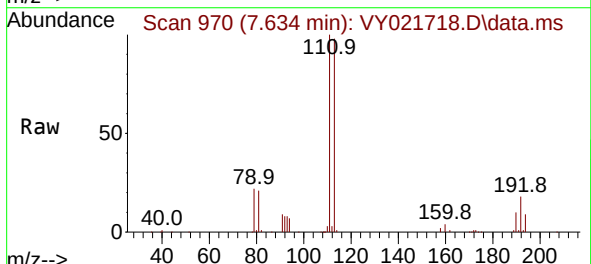
Instrument :
MSVOA_Y
ClientSampleId :
P1

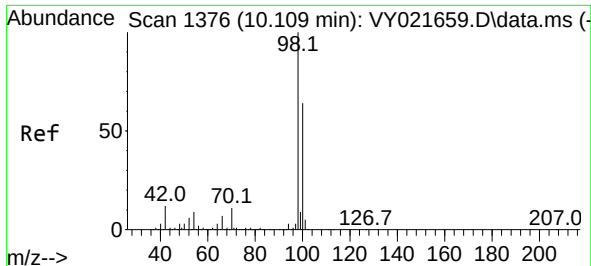
Tgt Ion:114 Resp: 422046
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.2
88 15.0 0.0 29.8



#35
Dibromofluoromethane
Concen: 52.027 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion:113 Resp: 142437
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 19.1 16.2 24.4

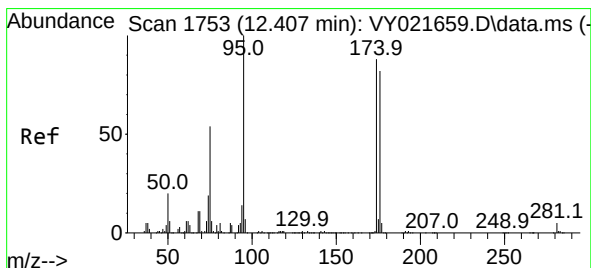
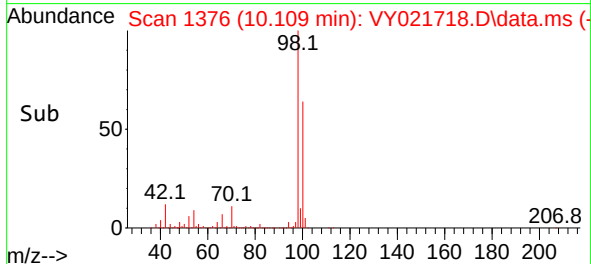
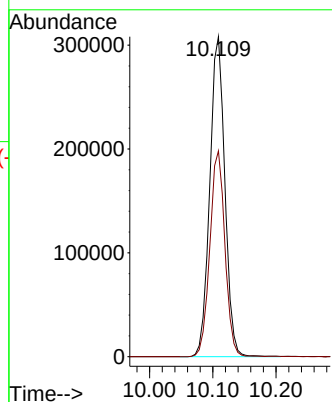
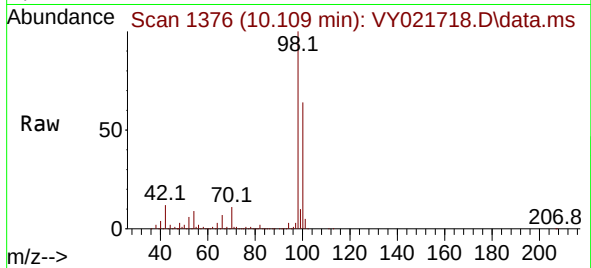




#50
Toluene-d8
Concen: 49.029 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

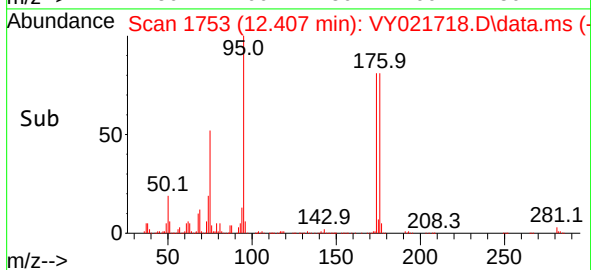
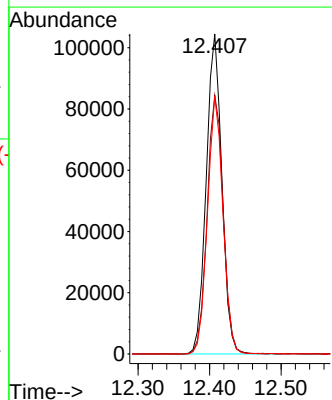
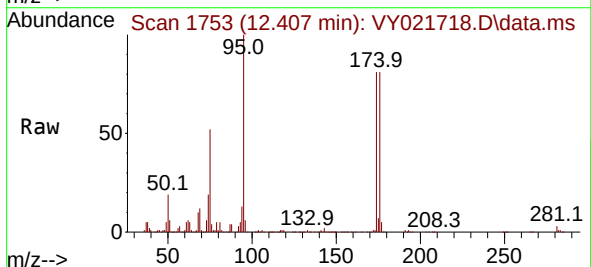
Instrument :
MSVOA_Y
ClientSampleId :
P1

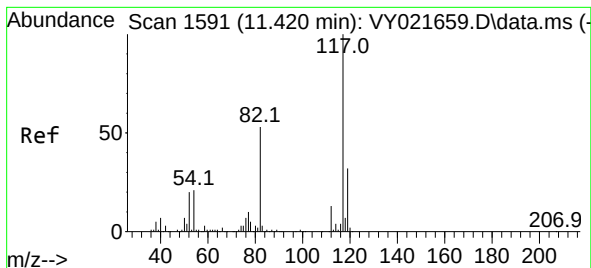
Tgt Ion: 98 Resp: 510650
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.039 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion: 95 Resp: 158668
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: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021718.D

Acq: 31 Mar 2025 14:38

Instrument :

MSVOA_Y

ClientSampleId :

P1

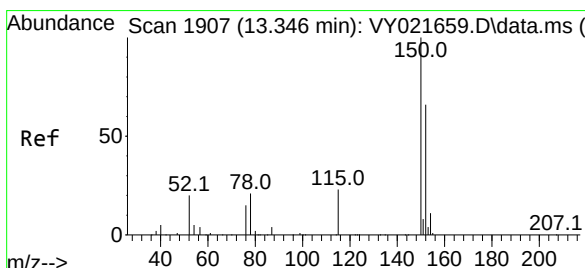
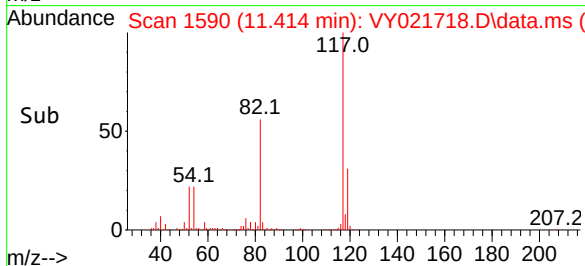
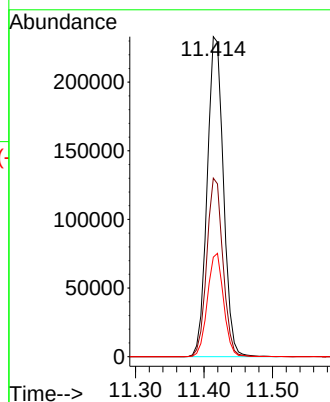
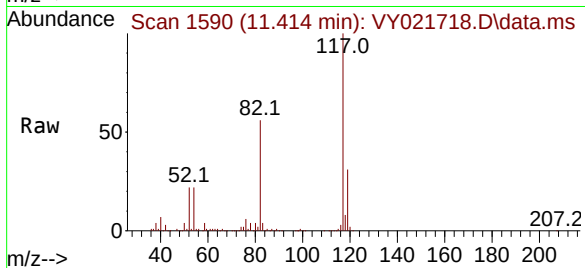
Tgt Ion:117 Resp: 384322

Ion Ratio Lower Upper

117 100

82 55.8 42.8 64.2

119 31.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021718.D

Acq: 31 Mar 2025 14:38

Tgt Ion:152 Resp: 151796

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 156.6 0.0 348.4

