

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023031.D
 Acq On : 21 Jul 2025 16:57
 Operator : SY/MD
 Sample : Q2651-02
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 6-5

Quant Time: Jul 22 04:54:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	256199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	497619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	524826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	251674	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164285	63.343	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.680%
35) Dibromofluoromethane	7.628	113	165849	52.541	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.080%
50) Toluene-d8	10.103	98	629720	50.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.620%
62) 4-Bromofluorobenzene	12.401	95	234204	59.437	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	118.880%

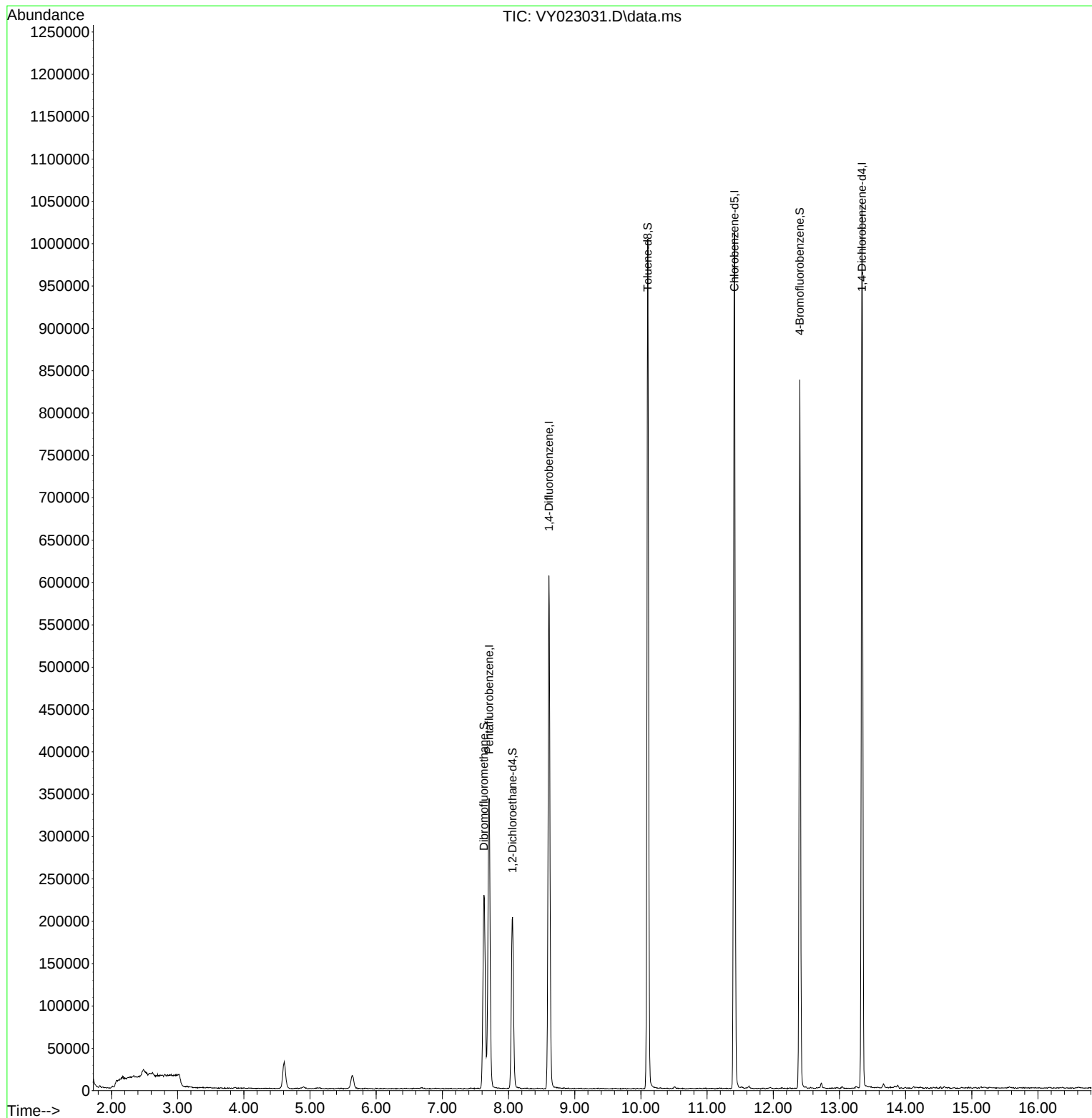
Target Compounds	Qvalue

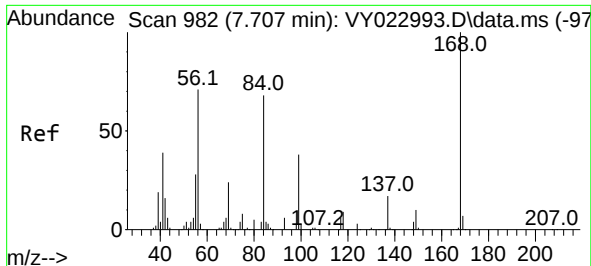
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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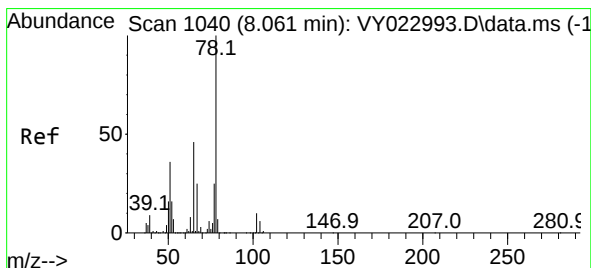
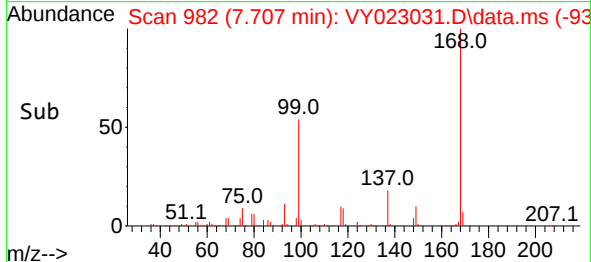
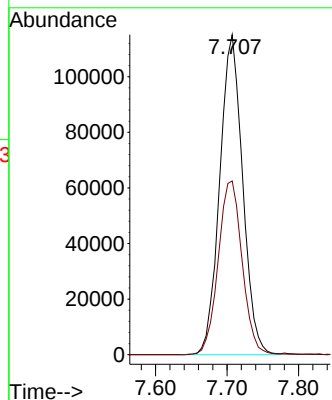
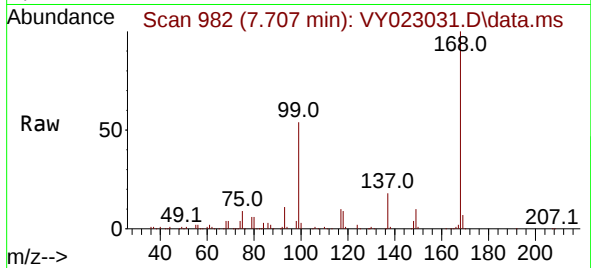




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

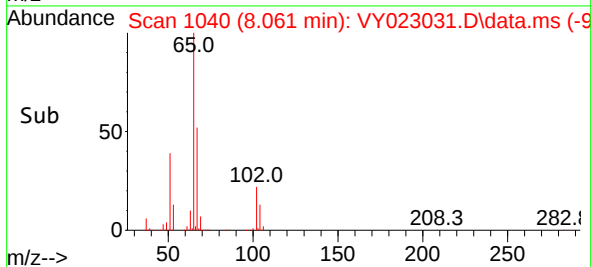
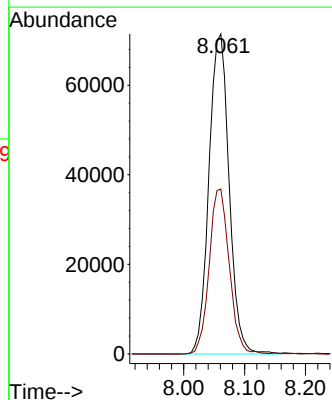
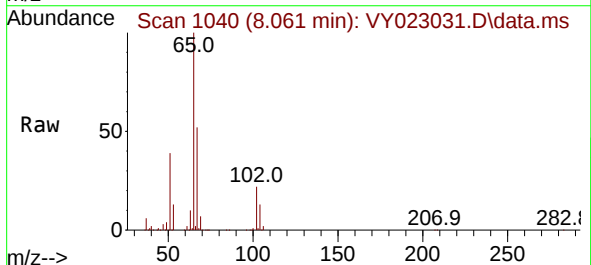
Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

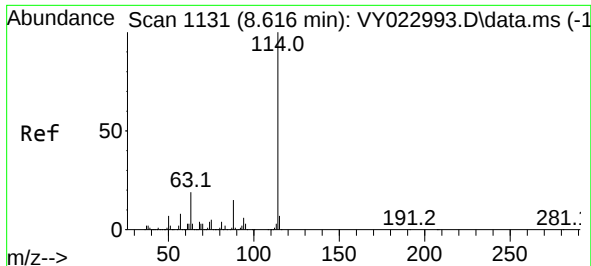
Tgt Ion:168 Resp: 256199
Ion Ratio Lower Upper
168 100
99 54.3 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 63.343 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion: 65 Resp: 164285
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4

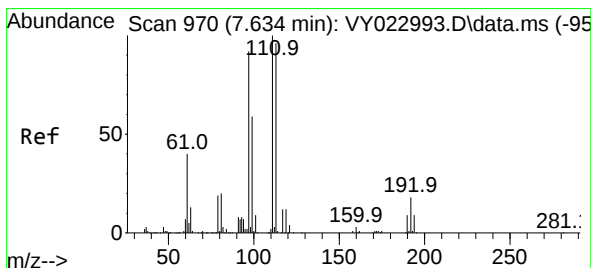
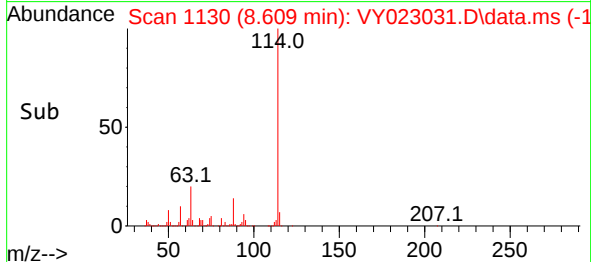
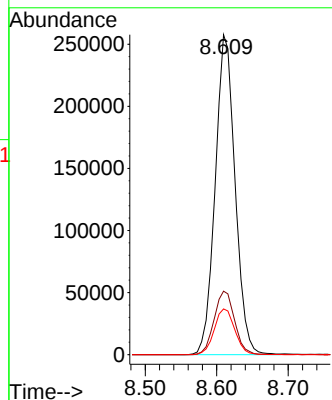
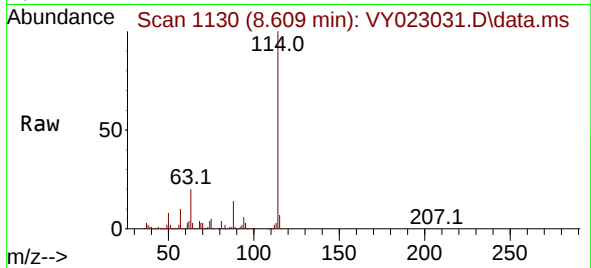




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

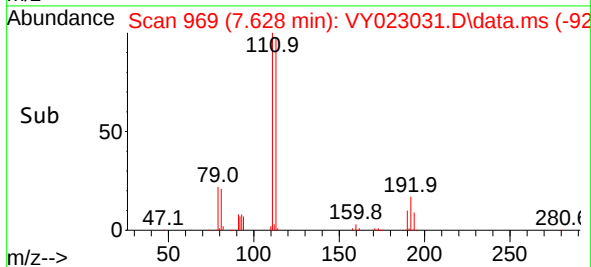
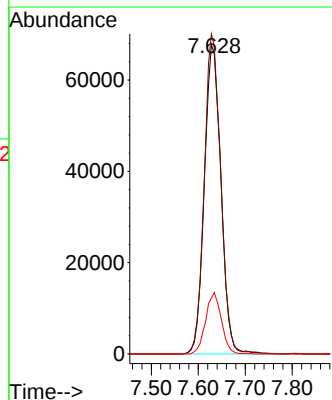
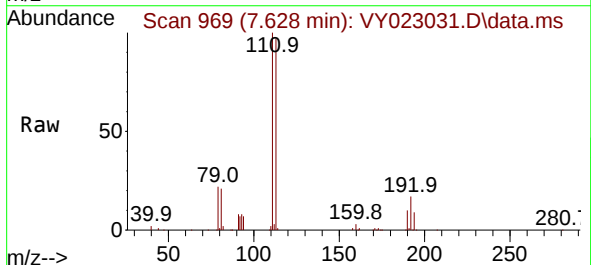
Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

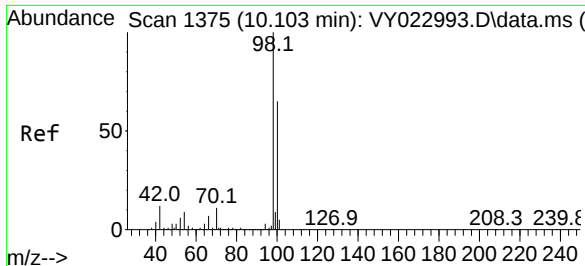
Tgt Ion:114 Resp: 497619
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.8
88 14.3 0.0 30.2



#35
Dibromofluoromethane
Concen: 52.541 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion:113 Resp: 165849
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 18.9 15.3 22.9

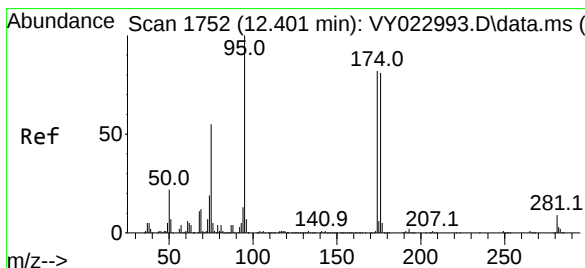
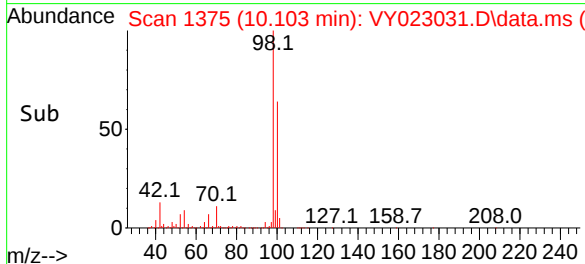
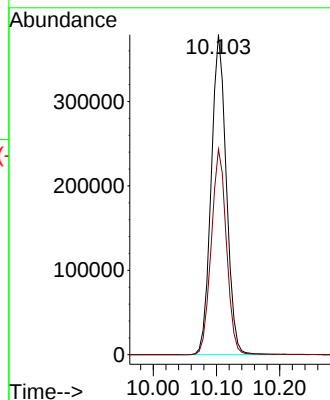
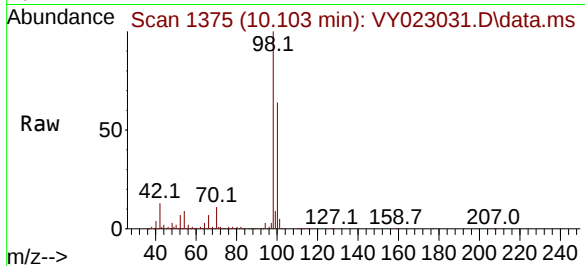




#50
Toluene-d8
Concen: 50.306 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

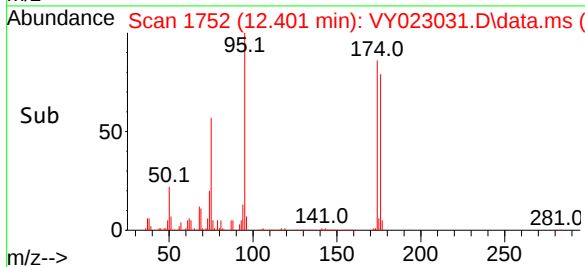
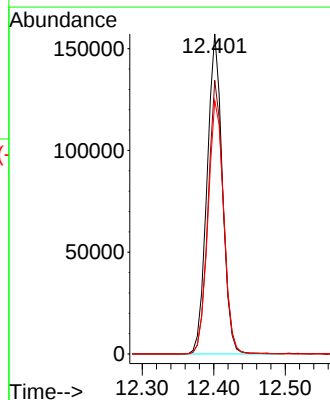
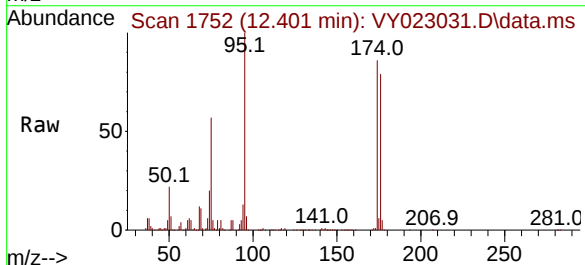
Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

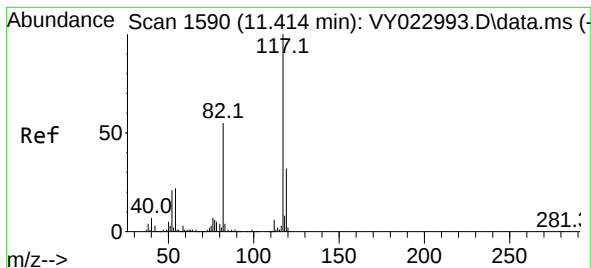
Tgt Ion: 98 Resp: 629720
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 59.437 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion: 95 Resp: 234204
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.8
176 81.4 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023031.D

Acq: 21 Jul 2025 16:57

Instrument :

MSVOA_Y

ClientSampleId :

MH 6-5

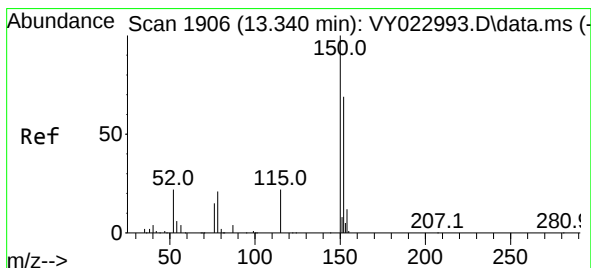
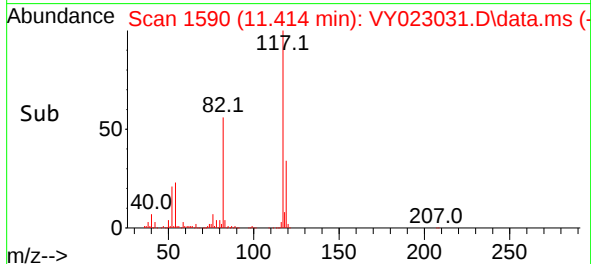
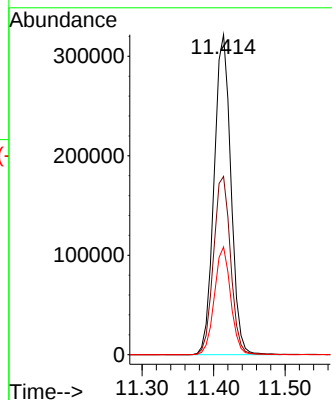
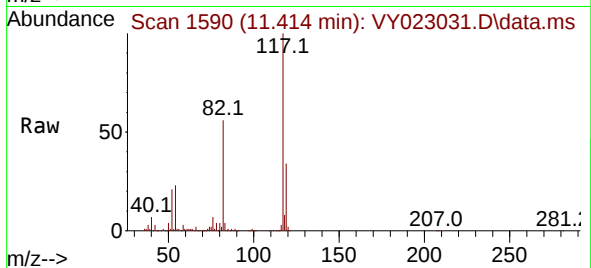
Tgt Ion:117 Resp: 524826

Ion Ratio Lower Upper

117 100

82 55.7 44.3 66.5

119 33.7 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY023031.D

Acq: 21 Jul 2025 16:57

Tgt Ion:152 Resp: 251674

Ion Ratio Lower Upper

152 100

115 57.5 29.4 88.2

150 158.1 0.0 350.0

