

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023115.D
 Acq On : 15 Aug 2025 10:44
 Operator : SY/MD
 Sample : Q2876-01
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-08142025

Quant Time: Aug 18 02:26:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	568652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1094415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	962319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	368742	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	318940	58.849	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.700%
35) Dibromofluoromethane	7.634	113	337974	51.610	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.220%
50) Toluene-d8	10.103	98	1333476	52.124	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.240%
62) 4-Bromofluorobenzene	12.402	95	375563	45.648	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.300%

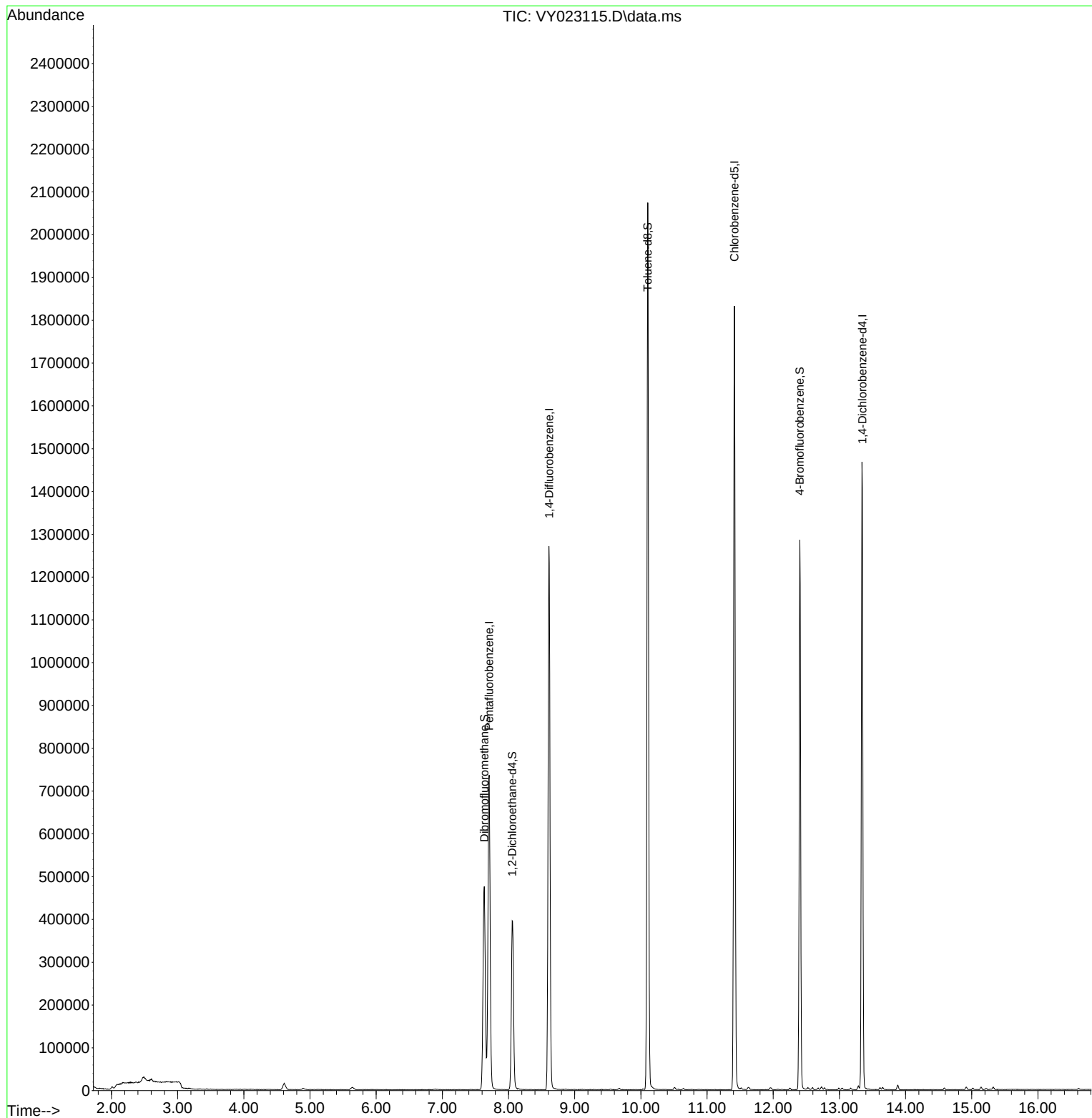
Target Compounds	Qvalue

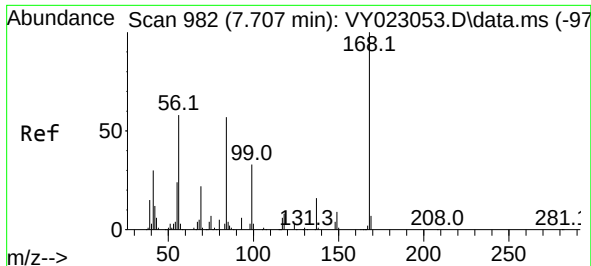
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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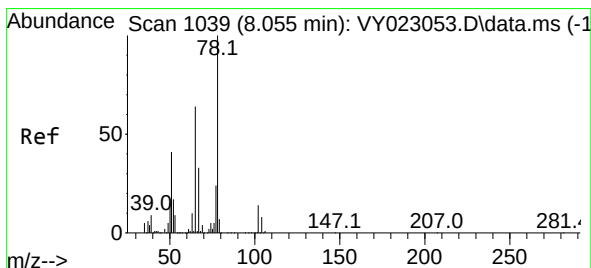
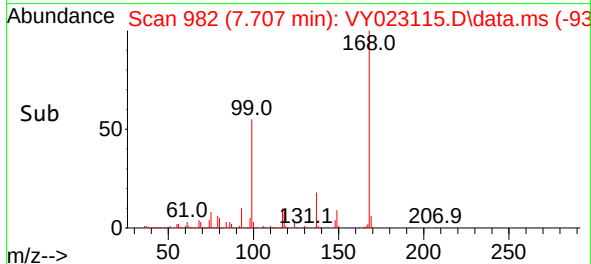
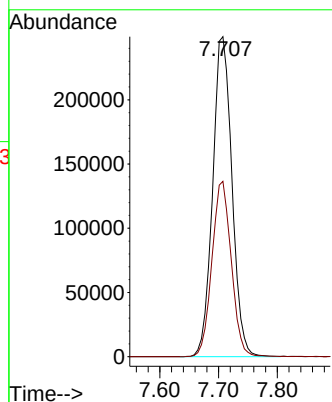
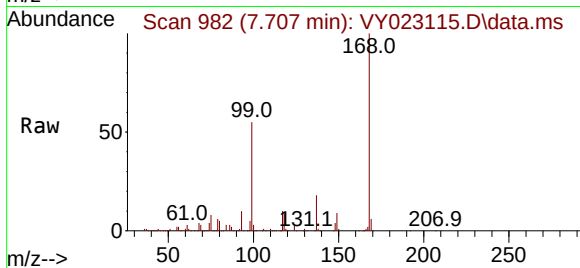




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023115.D
Acq: 15 Aug 2025 10:44

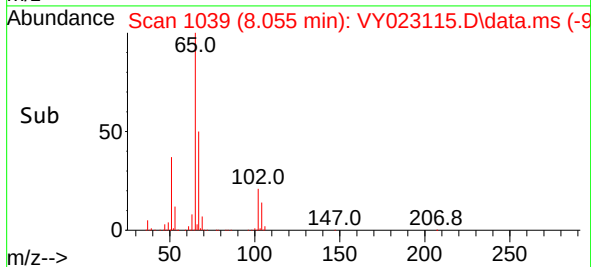
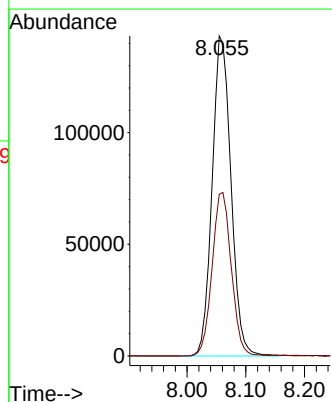
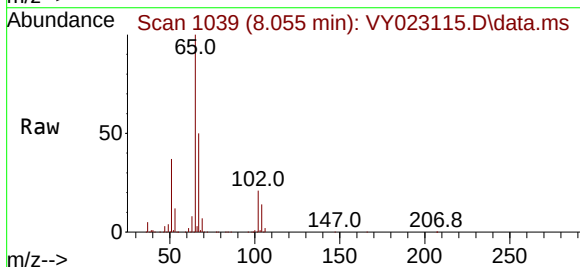
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-08142025

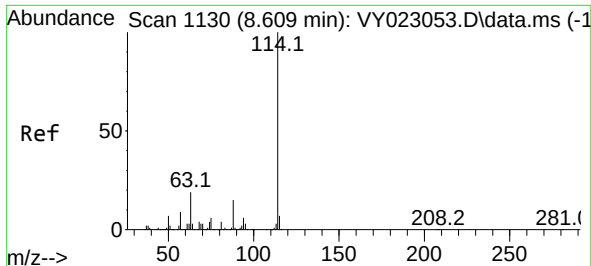
Tgt Ion:168 Resp: 568652
Ion Ratio Lower Upper
168 100
99 54.8 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 58.849 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023115.D
Acq: 15 Aug 2025 10:44

Tgt Ion: 65 Resp: 318940
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.8

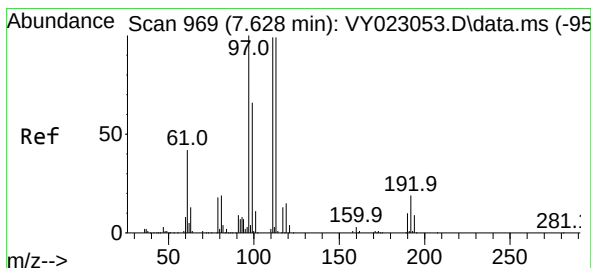
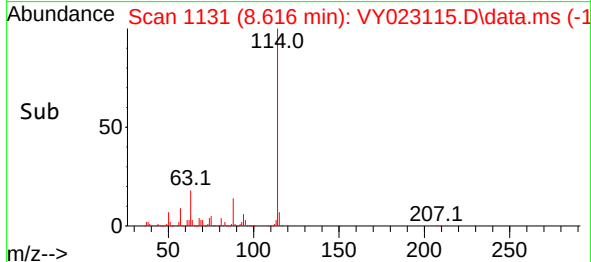
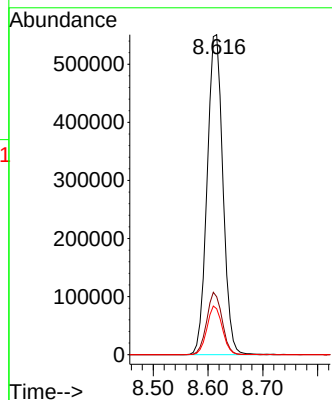
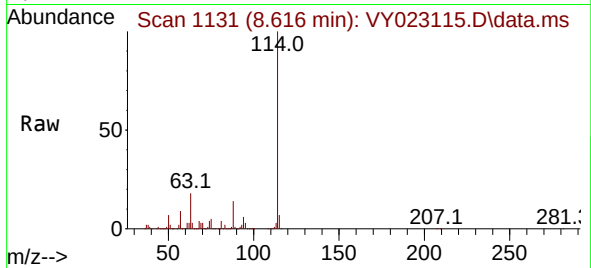




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023115.D
Acq: 15 Aug 2025 10:44

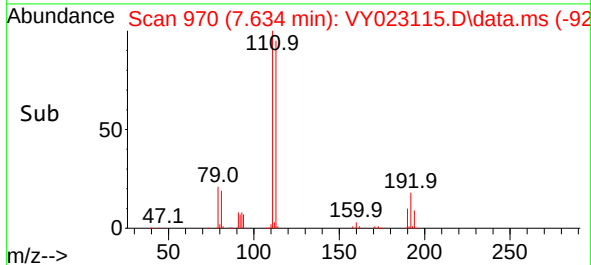
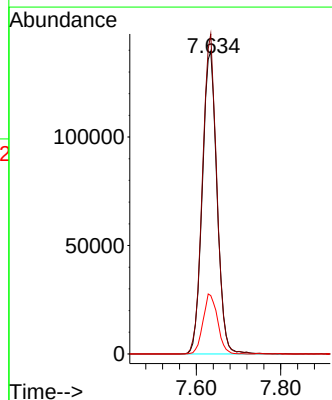
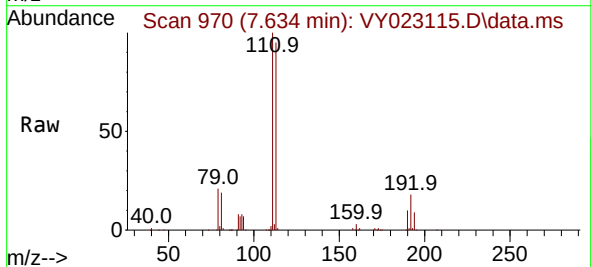
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-08142025

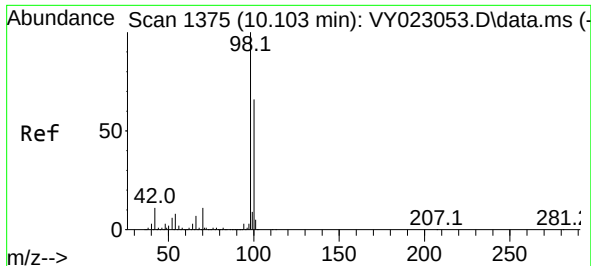
Tgt Ion:114 Resp: 1094415
Ion Ratio Lower Upper
114 100
63 18.1 0.0 38.4
88 14.4 0.0 30.0



#35
Dibromofluoromethane
Concen: 51.610 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023115.D
Acq: 15 Aug 2025 10:44

Tgt Ion:113 Resp: 337974
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 19.6 16.2 24.4

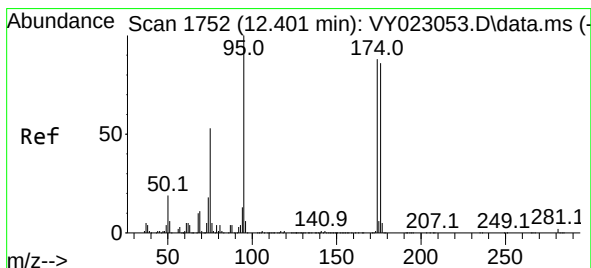
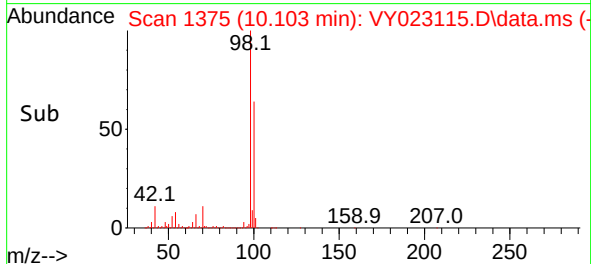
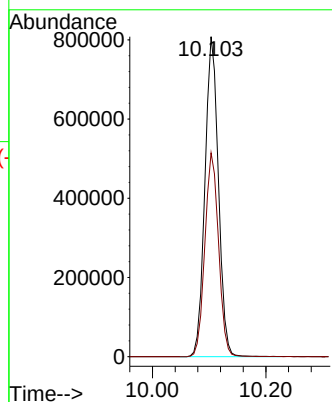
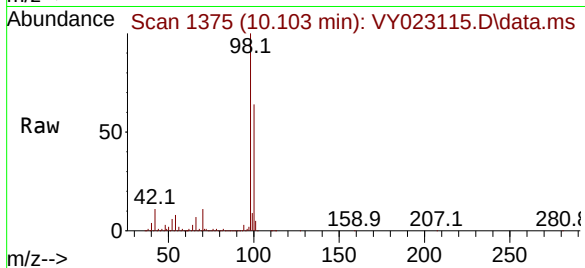




#50
Toluene-d8
Concen: 52.124 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023115.D
Acq: 15 Aug 2025 10:44

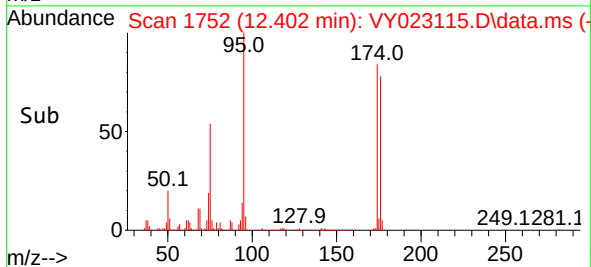
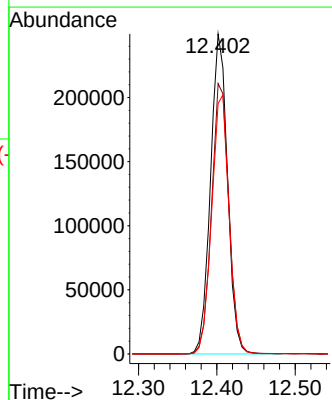
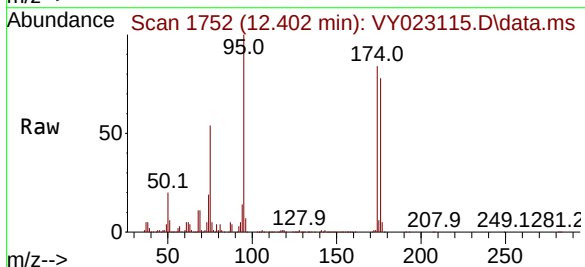
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-08142025

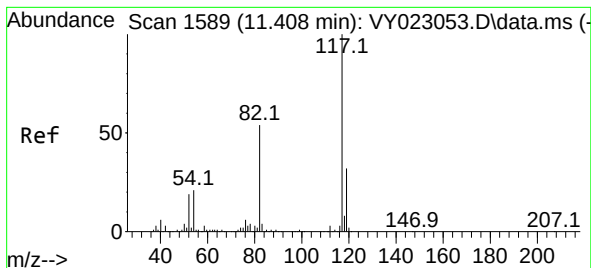
Tgt Ion: 98 Resp: 1333476
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 45.648 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023115.D
Acq: 15 Aug 2025 10:44

Tgt Ion: 95 Resp: 375563
Ion Ratio Lower Upper
95 100
174 86.6 0.0 171.6
176 83.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023115.D

Acq: 15 Aug 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

CL-02-08142025

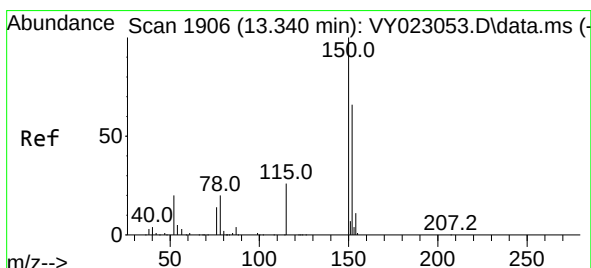
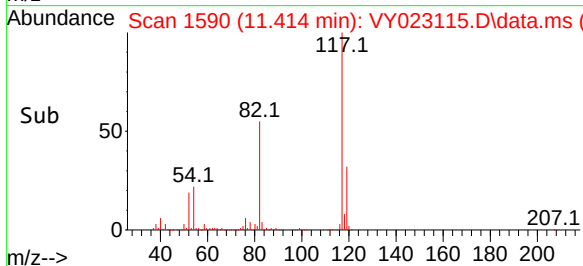
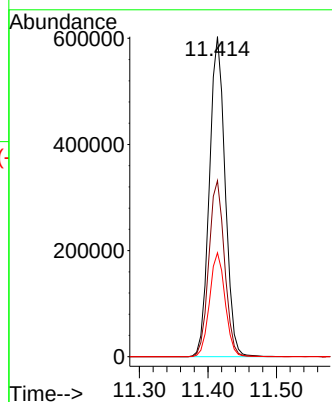
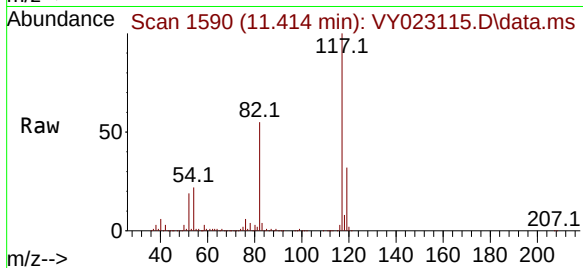
Tgt Ion:117 Resp: 962319

Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.0

119 32.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023115.D

Acq: 15 Aug 2025 10:44

Tgt Ion:152 Resp: 368742

Ion Ratio Lower Upper

152 100

115 57.8 28.2 84.6

150 159.5 0.0 348.0

