

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023152.D
 Acq On : 19 Aug 2025 15:38
 Operator : SY/MD
 Sample : Q2879-09
 Misc : 4.63g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP07-081425

Quant Time: Aug 20 01:31:39 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	526358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	993773	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	812813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	259055	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	277836	55.384	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.760%
35) Dibromofluoromethane	7.634	113	315749	53.099	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.200%
50) Toluene-d8	10.103	98	1162834	50.057	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.120%
62) 4-Bromofluorobenzene	12.401	95	285577	38.226	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.460%

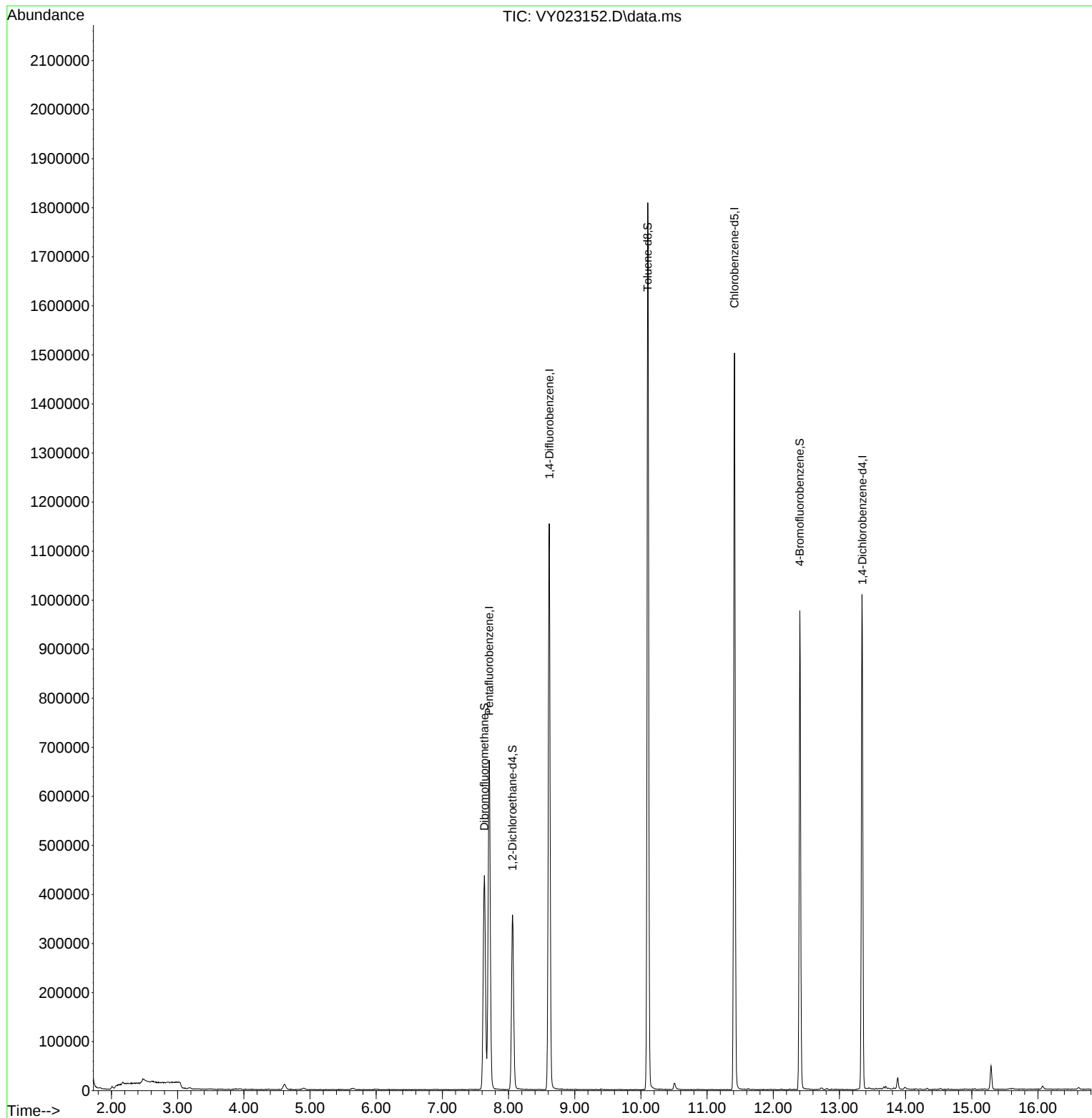
Target Compounds	Qvalue

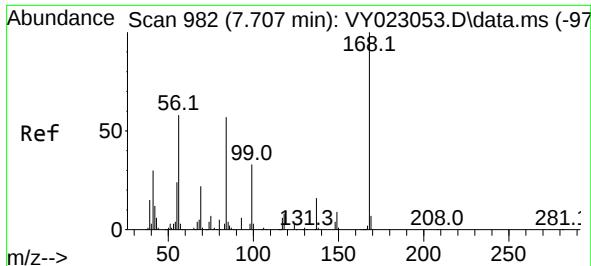
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023152.D
Acq On : 19 Aug 2025 15:38
Operator : SY/MD
Sample : Q2879-09
Misc : 4.63g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Quant Time: Aug 20 01:31:39 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

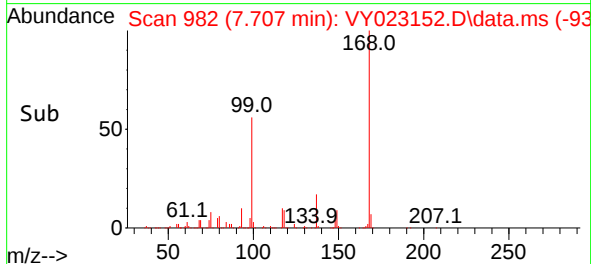
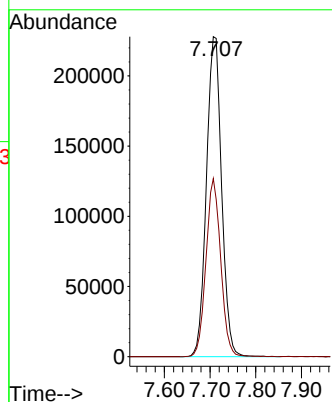
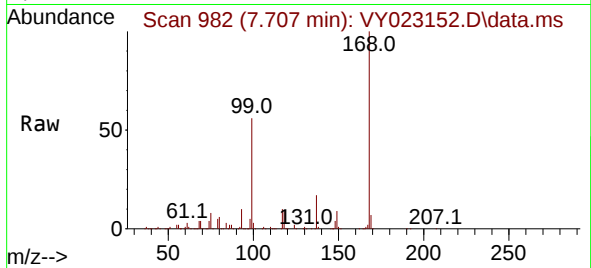




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

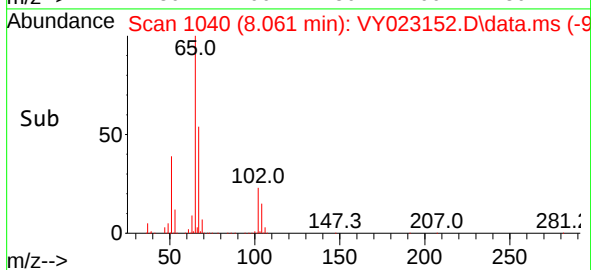
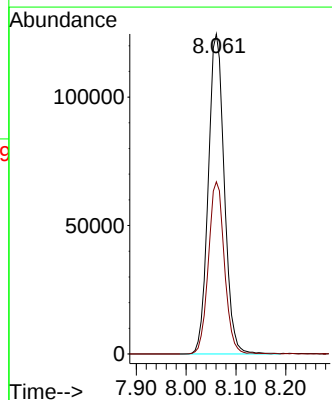
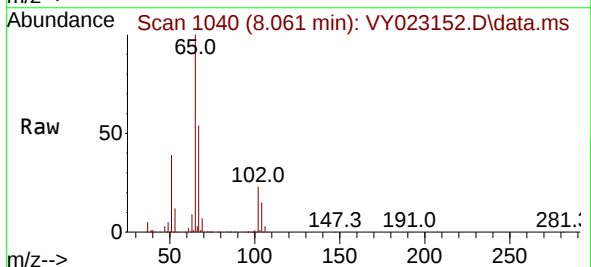
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

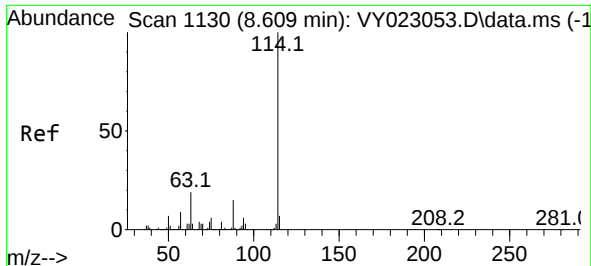
Tgt Ion:168 Resp: 526358
Ion Ratio Lower Upper
168 100
99 55.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 55.384 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

Tgt Ion: 65 Resp: 277836
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8

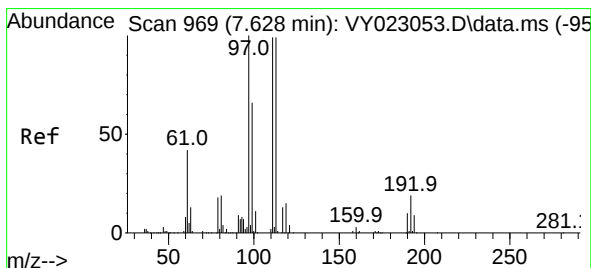
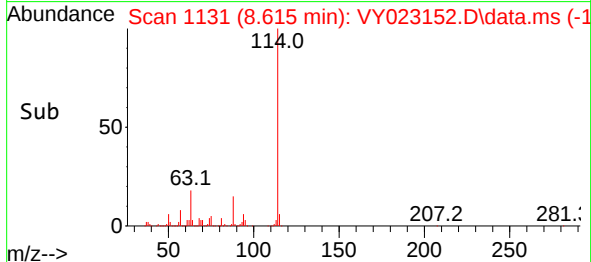
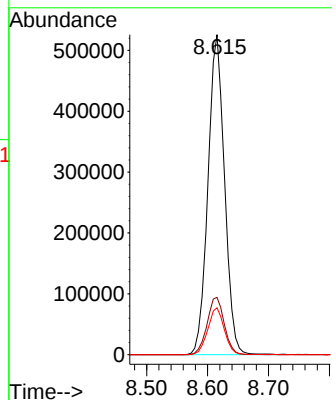
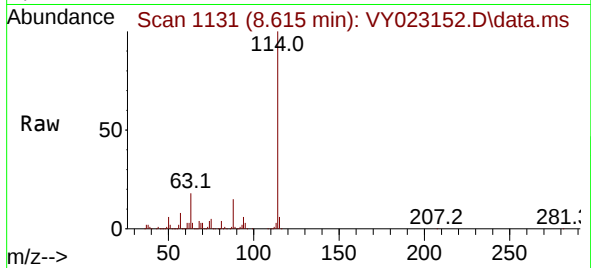




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

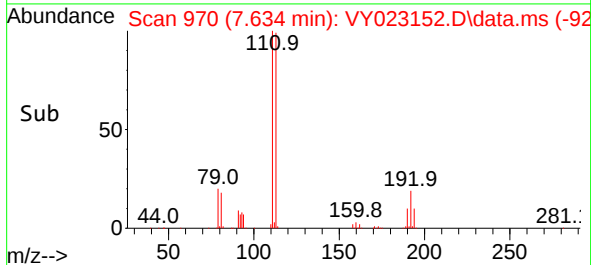
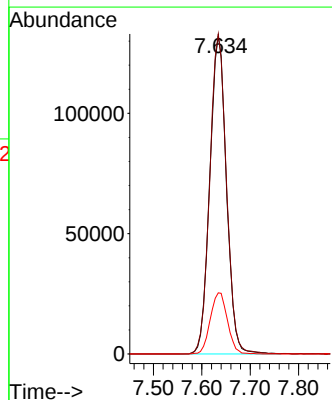
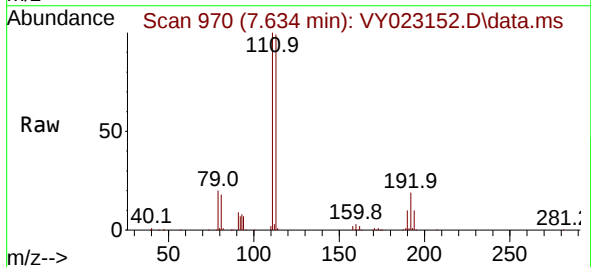
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:114 Resp: 993773
Ion Ratio Lower Upper
114 100
63 17.9 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.099 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

Tgt Ion:113 Resp: 315749
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 19.8 16.2 24.4

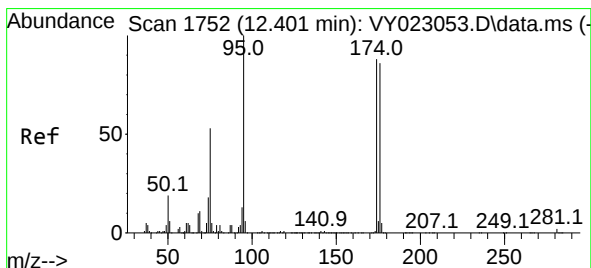
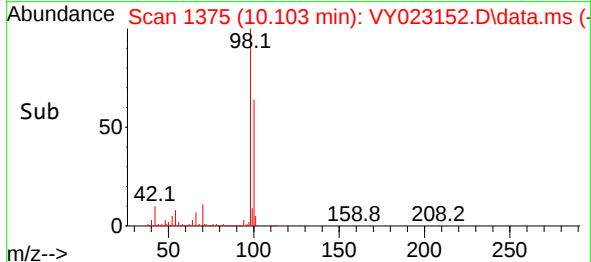
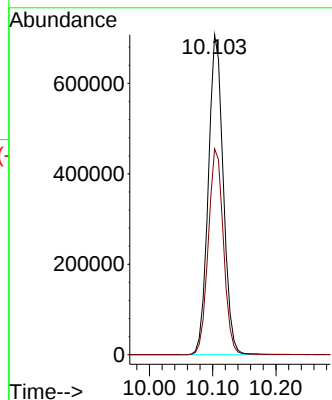
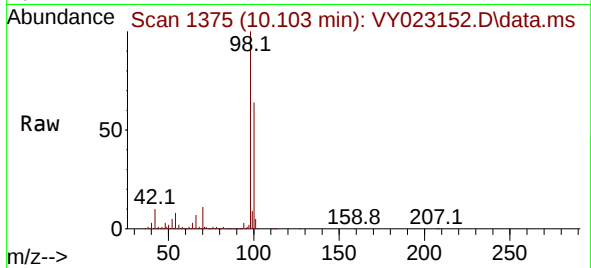




#50
Toluene-d8
Concen: 50.057 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

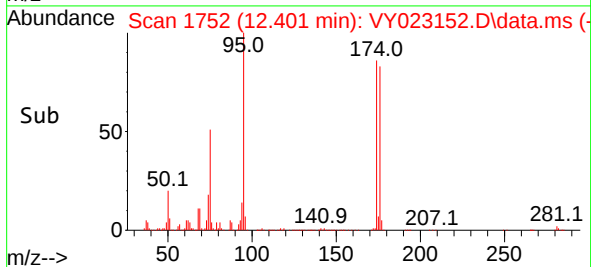
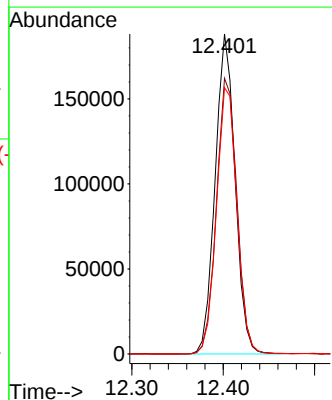
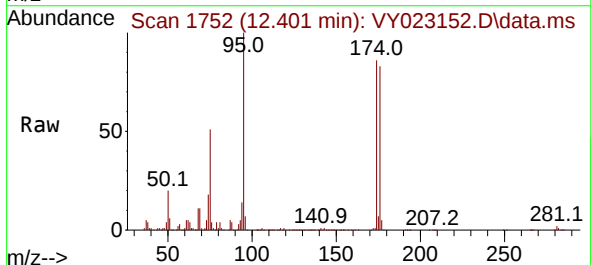
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

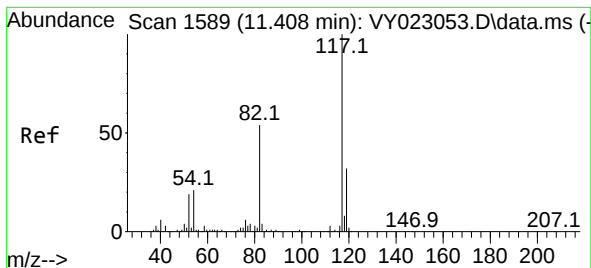
Tgt Ion: 98 Resp: 1162834
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 38.226 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023152.D
Acq: 19 Aug 2025 15:38

Tgt Ion: 95 Resp: 285577
Ion Ratio Lower Upper
95 100
174 88.8 0.0 171.6
176 85.8 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: VY023152.D

Acq: 19 Aug 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

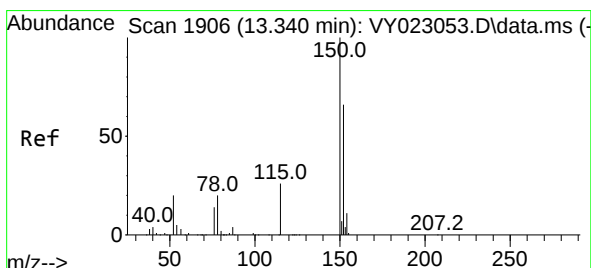
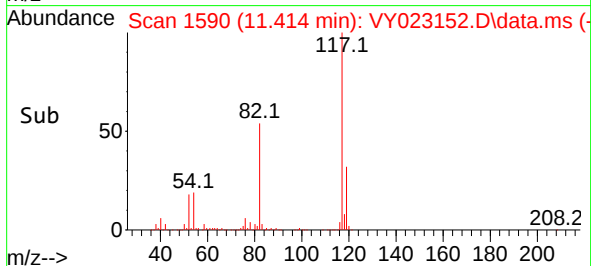
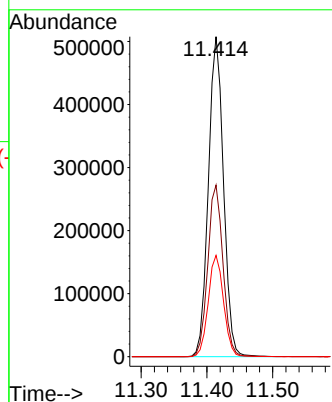
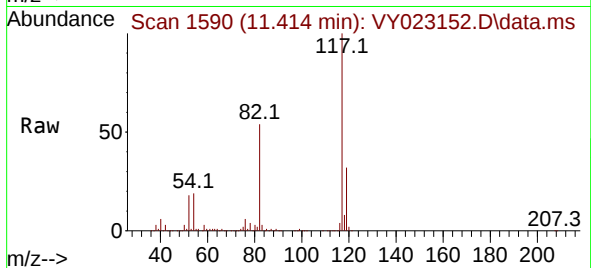
Tgt Ion:117 Resp: 812813

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023152.D

Acq: 19 Aug 2025 15:38

Tgt Ion:152 Resp: 259055

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 156.5 0.0 348.0

