

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023154.D
 Acq On : 19 Aug 2025 16:25
 Operator : SY/MD
 Sample : Q2879-13
 Misc : 3.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP09-081425

Quant Time: Aug 20 01:32:27 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	525735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	969695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	778031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	252835	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	277017	55.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.580%
35) Dibromofluoromethane	7.634	113	309275	53.302	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.600%
50) Toluene-d8	10.103	98	1144598	50.495	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.000%
62) 4-Bromofluorobenzene	12.401	95	276443	37.922	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.840%

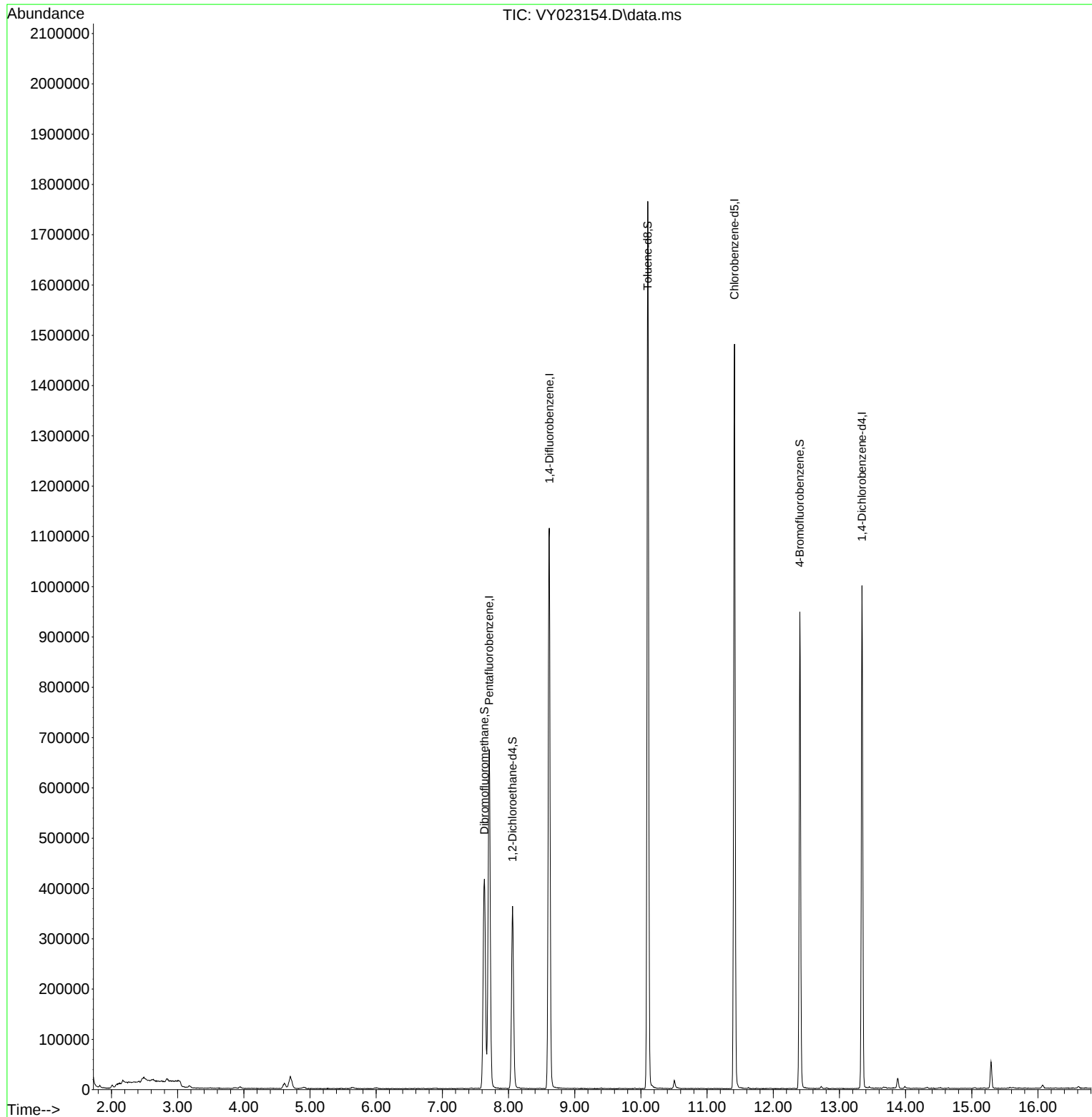
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
Data File : VY023154.D
Acq On : 19 Aug 2025 16:25
Operator : SY/MD
Sample : Q2879-13
Misc : 3.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Quant Time: Aug 20 01:32:27 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

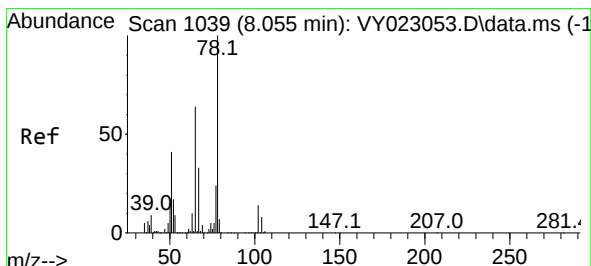
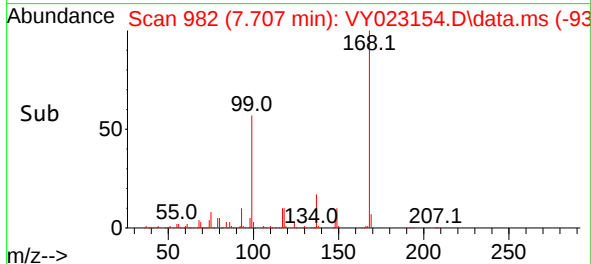
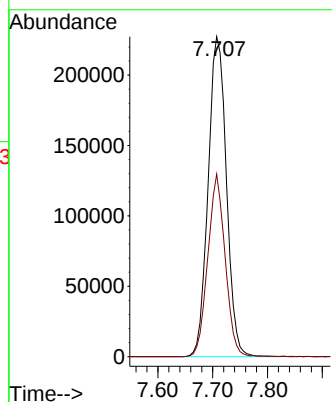
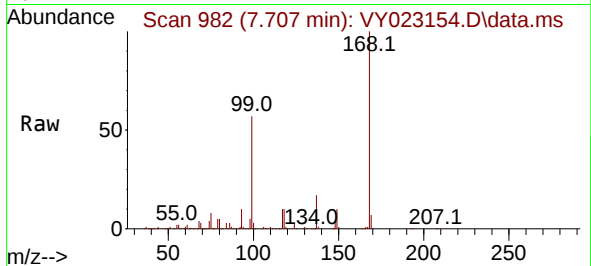




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

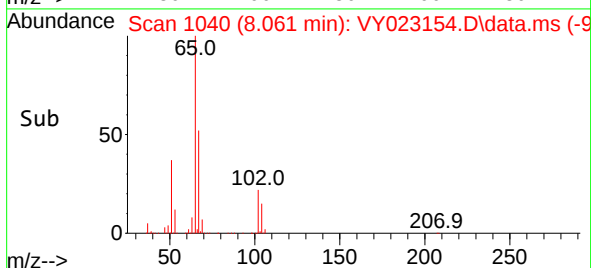
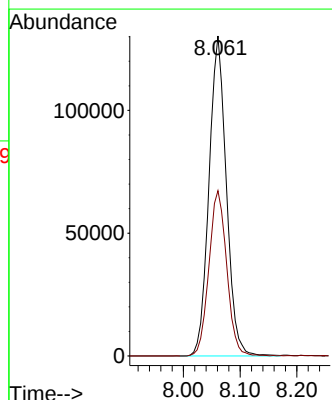
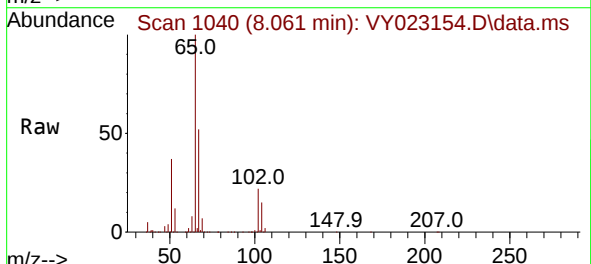
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

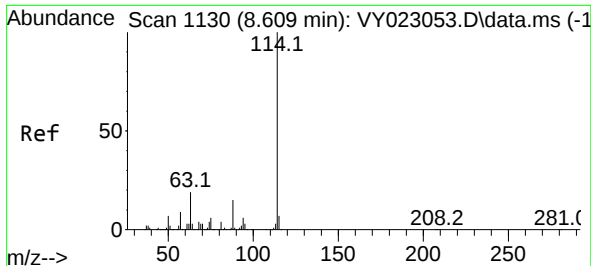
Tgt Ion:168 Resp: 525735
Ion Ratio Lower Upper
168 100
99 57.0 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 55.286 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

Tgt Ion: 65 Resp: 277017
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY023154.D

Acq: 19 Aug 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

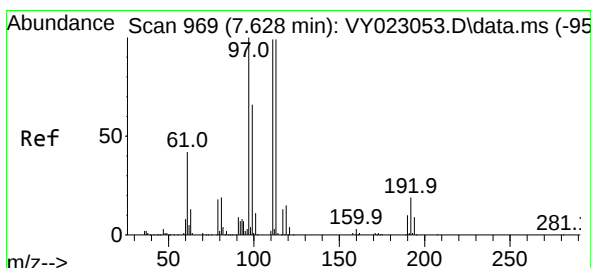
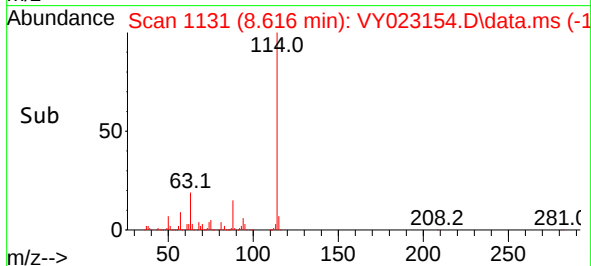
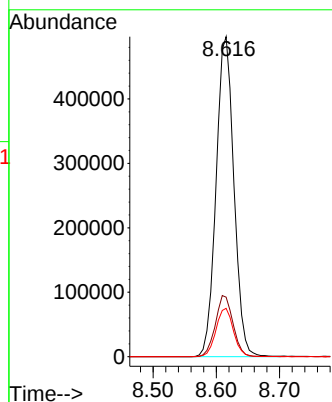
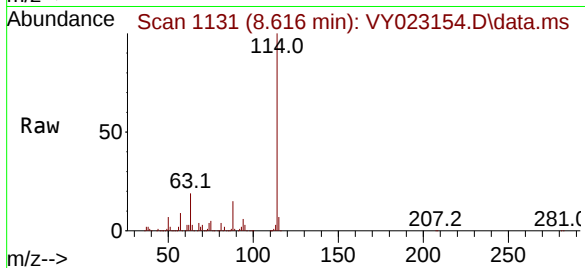
Tgt Ion:114 Resp: 969695

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 15.1 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.302 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023154.D

Acq: 19 Aug 2025 16:25

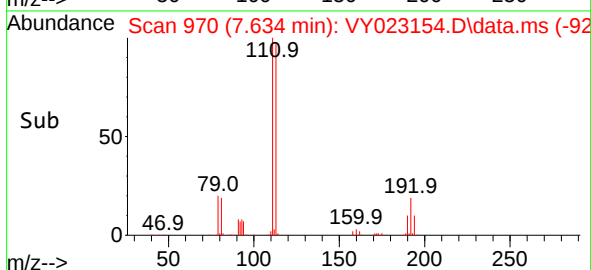
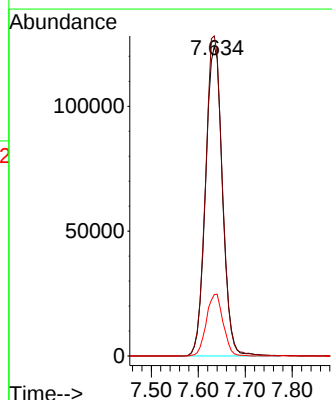
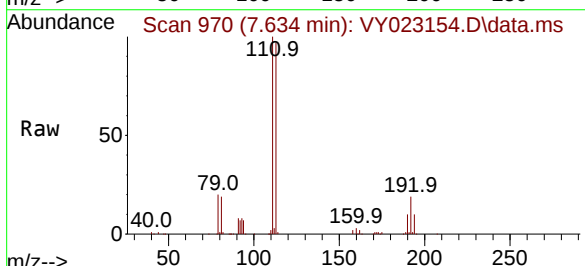
Tgt Ion:113 Resp: 309275

Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

192 19.8 16.2 24.4

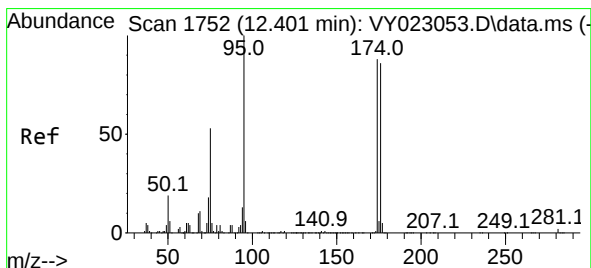
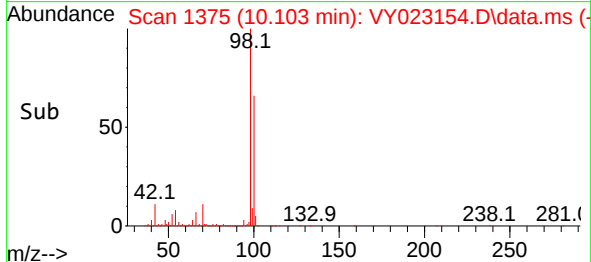
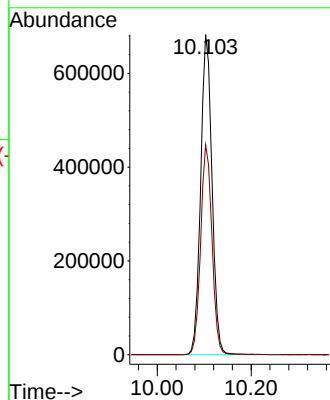
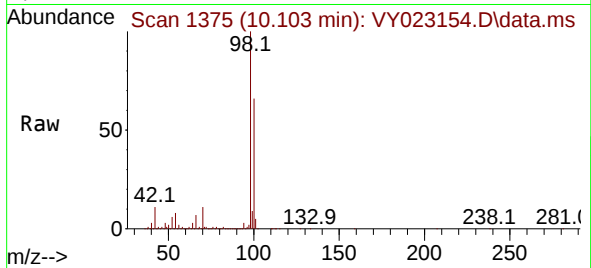




#50
Toluene-d8
Concen: 50.495 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

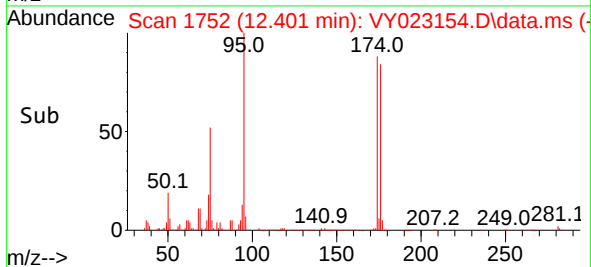
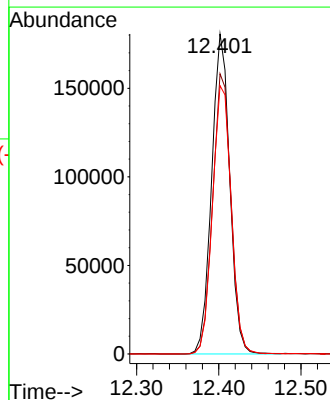
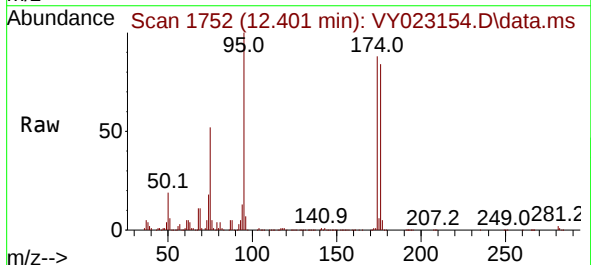
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

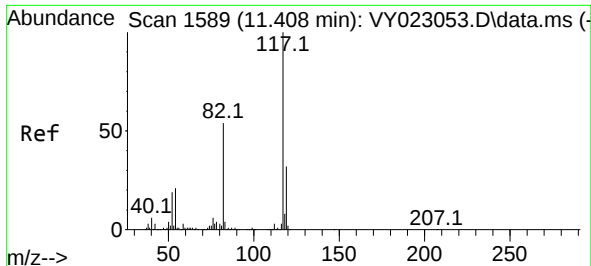
Tgt Ion: 98 Resp: 1144598
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 37.922 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

Tgt Ion: 95 Resp: 276443
Ion Ratio Lower Upper
95 100
174 89.0 0.0 171.6
176 86.8 0.0 167.6

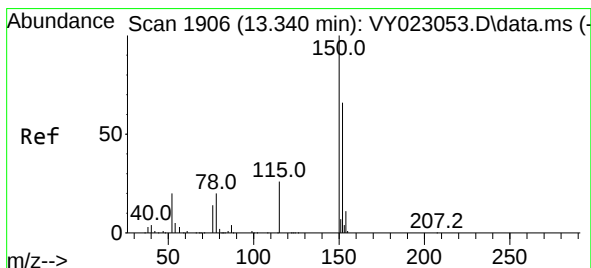
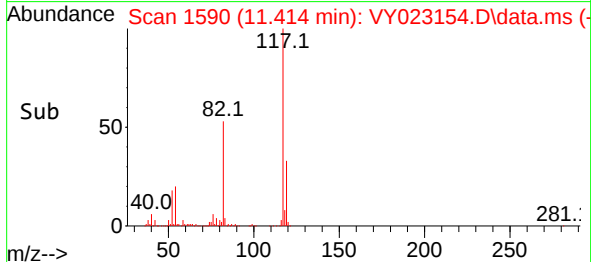
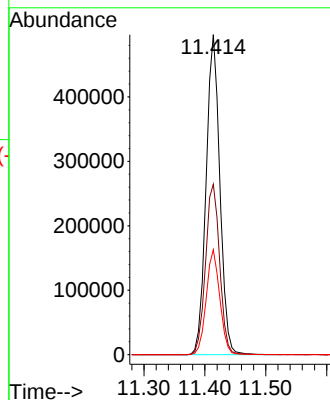
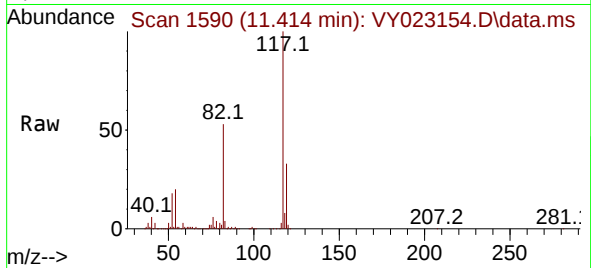




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:117 Resp: 778031
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 32.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023154.D
Acq: 19 Aug 2025 16:25

Tgt Ion:152 Resp: 252835
Ion Ratio Lower Upper
152 100
115 56.3 28.2 84.6
150 156.4 0.0 348.0

