

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023155.D
 Acq On : 19 Aug 2025 16:49
 Operator : SY/MD
 Sample : Q2879-15
 Misc : 3.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP10-081425

Quant Time: Aug 20 01:32:50 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	534898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1003619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	823009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	270615	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	289889	56.864	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.720%
35) Dibromofluoromethane	7.634	113	316825	52.757	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.520%
50) Toluene-d8	10.103	98	1188515	50.661	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.320%
62) 4-Bromofluorobenzene	12.401	95	294135	38.985	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.980%

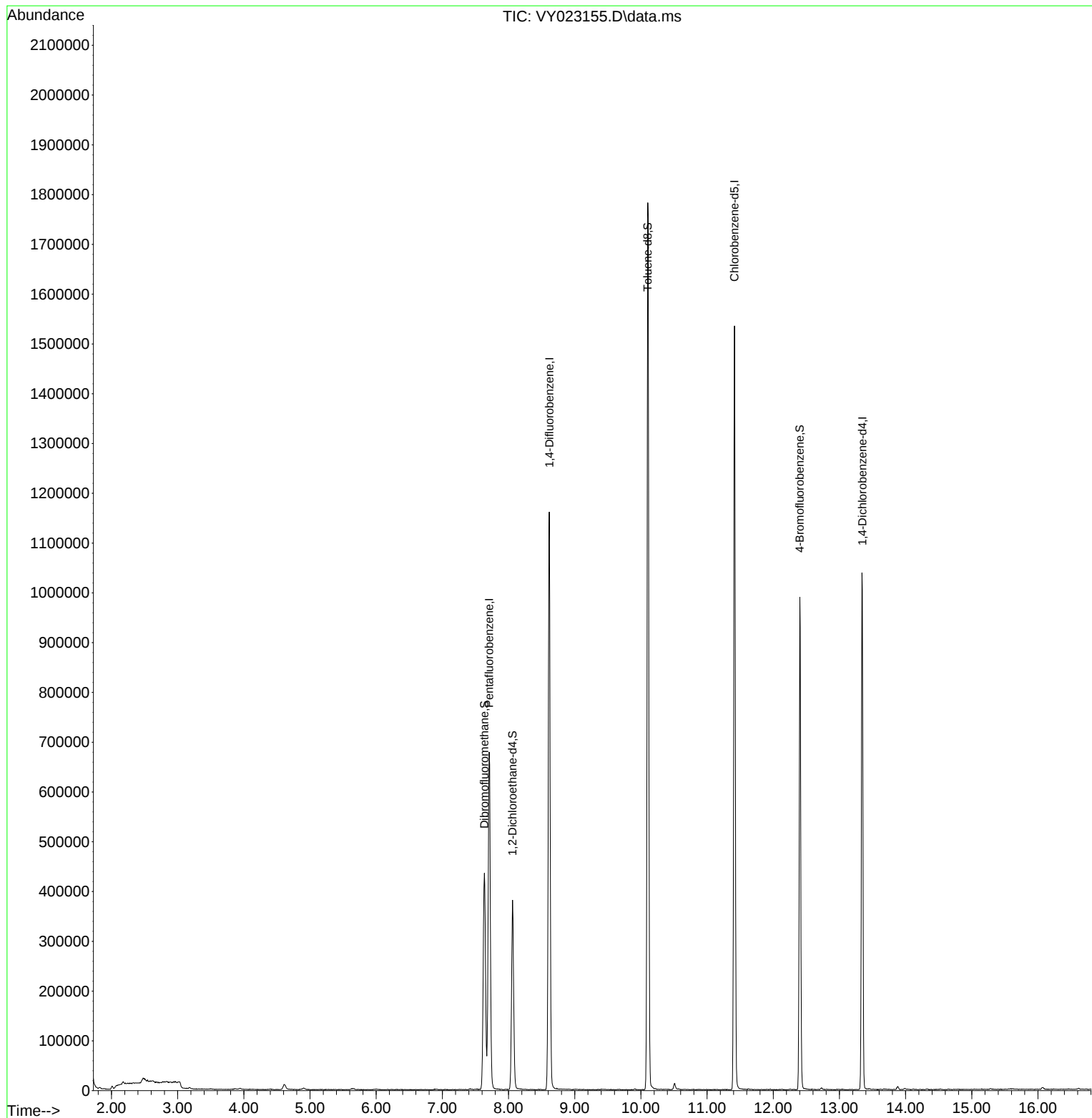
Target Compounds	Qvalue

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

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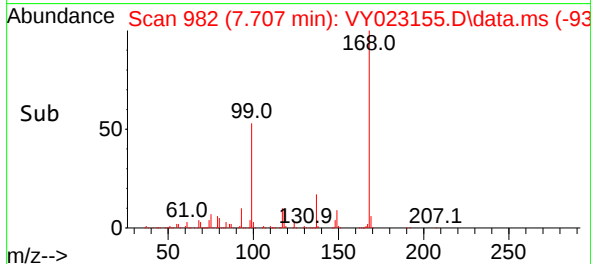
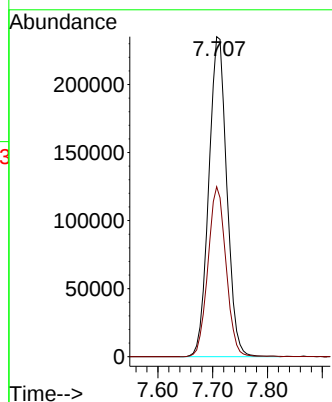
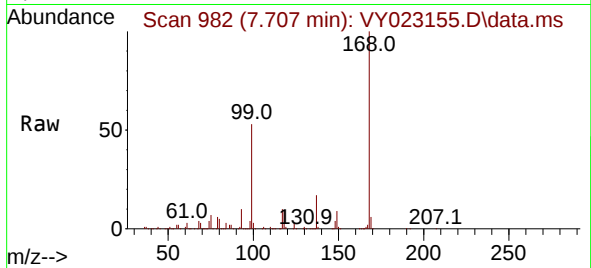




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

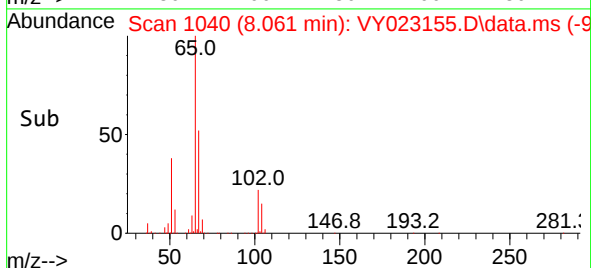
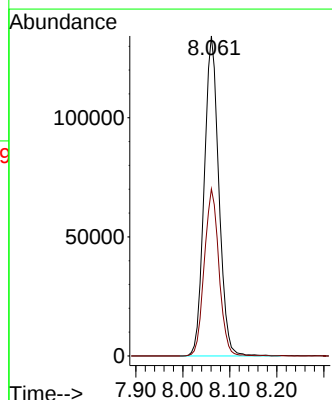
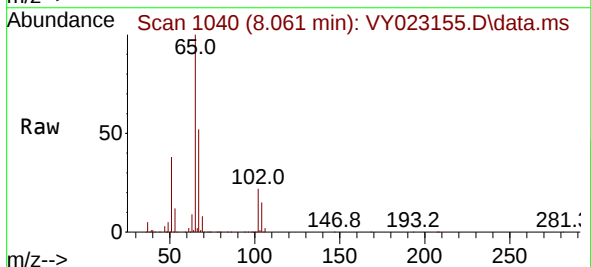
Instrument :
MSVOA_Y
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OU4-TS-GRILLO-TSCP10-081425

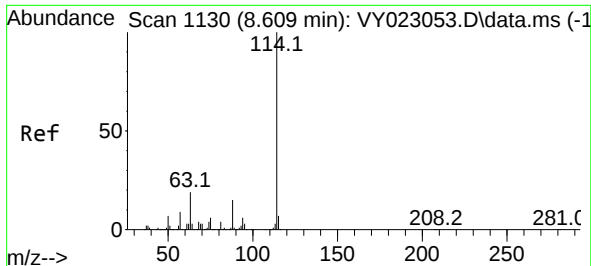
Tgt Ion:168 Resp: 534898
Ion Ratio Lower Upper
168 100
99 53.1 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 56.864 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

Tgt Ion: 65 Resp: 289889
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.8

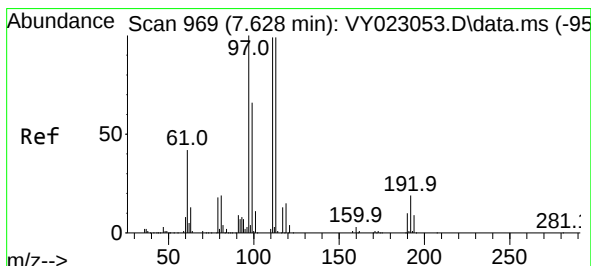
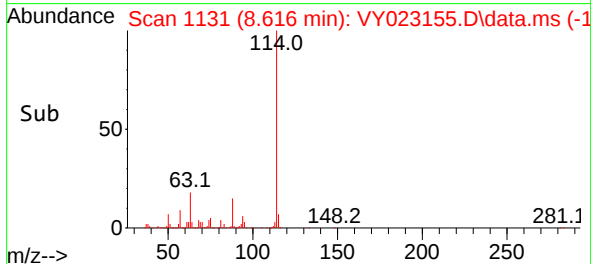
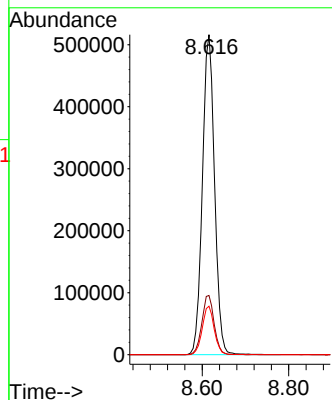
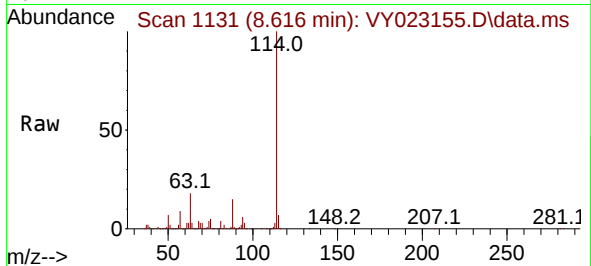




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

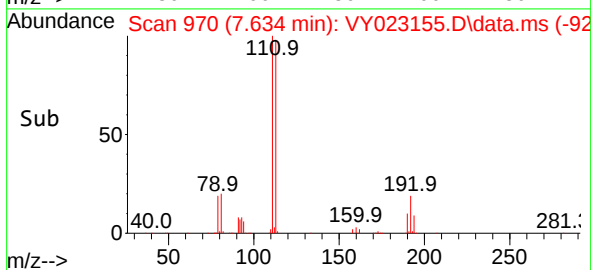
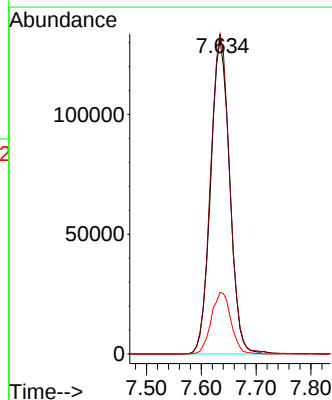
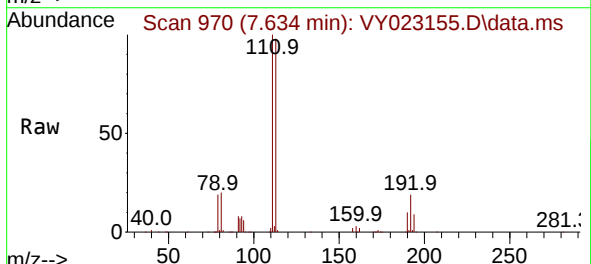
Instrument :
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ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:114 Resp: 1003619
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 15.2 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.757 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

Tgt Ion:113 Resp: 316825
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 20.2 16.2 24.4

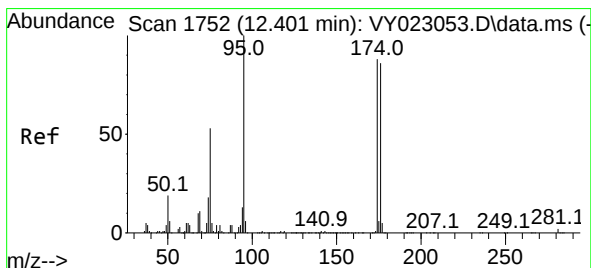
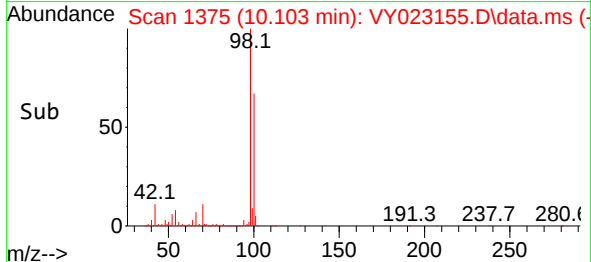
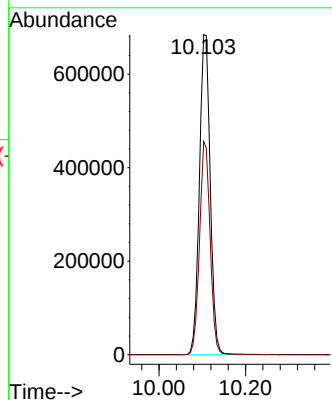
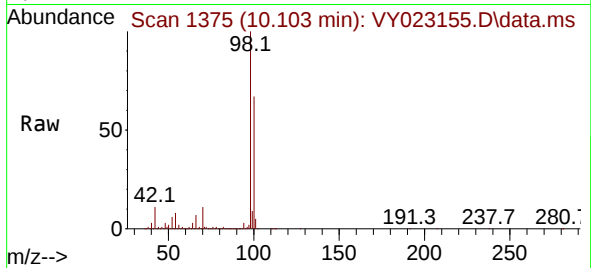




#50
Toluene-d8
Concen: 50.661 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

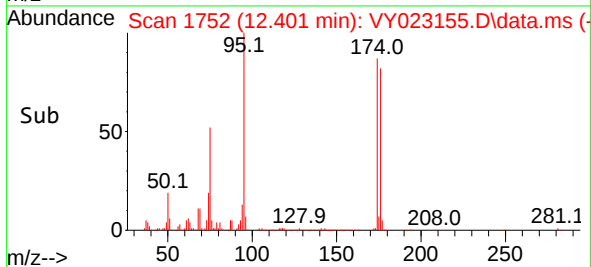
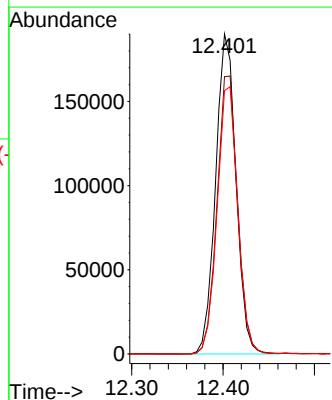
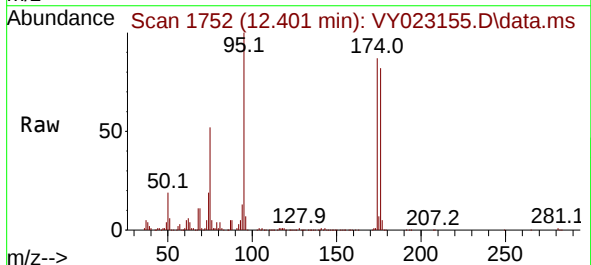
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

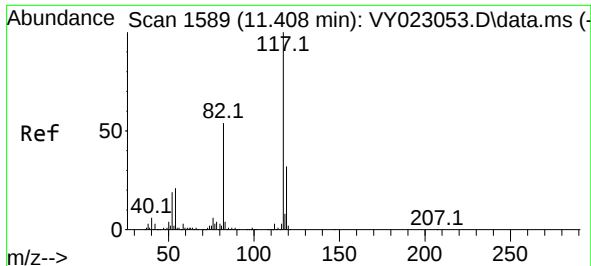
Tgt Ion: 98 Resp: 1188515
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 38.985 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

Tgt Ion: 95 Resp: 294135
Ion Ratio Lower Upper
95 100
174 88.4 0.0 171.6
176 85.0 0.0 167.6

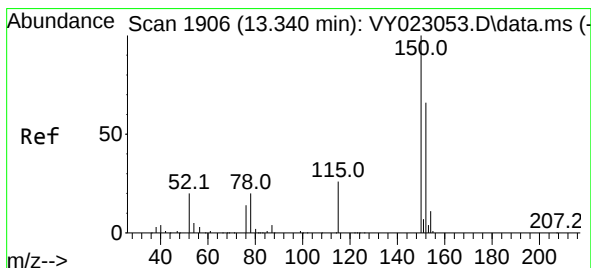
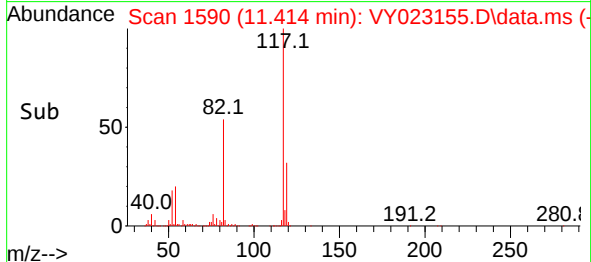
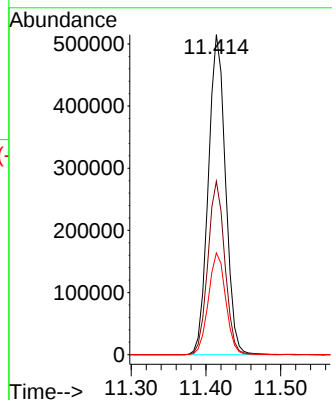
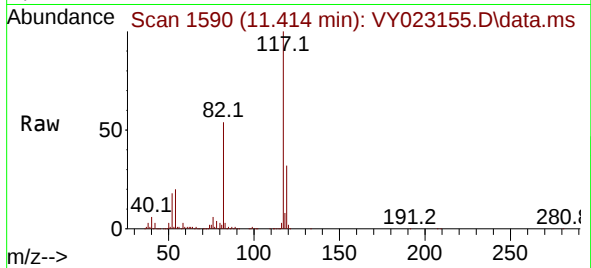




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023155.D
Acq: 19 Aug 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:117 Resp: 823009
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.0
119 31.8 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: VY023155.D
Acq: 19 Aug 2025 16:49

Tgt Ion:152 Resp: 270615
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.6
150 157.4 0.0 348.0

