

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023970.D
 Acq On : 15 Dec 2025 12:39
 Operator : SY/MD
 Sample : Q3861-01
 Misc : 5.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-121225

Quant Time: Dec 16 02:13:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	774293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	1302279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1076446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	418617	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	338307	49.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.840%
35) Dibromofluoromethane	7.646	113	407502	47.869	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.740%
50) Toluene-d8	10.115	98	1450662	45.770	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.540%
62) 4-Bromofluorobenzene	12.414	95	407341	38.485	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.960%

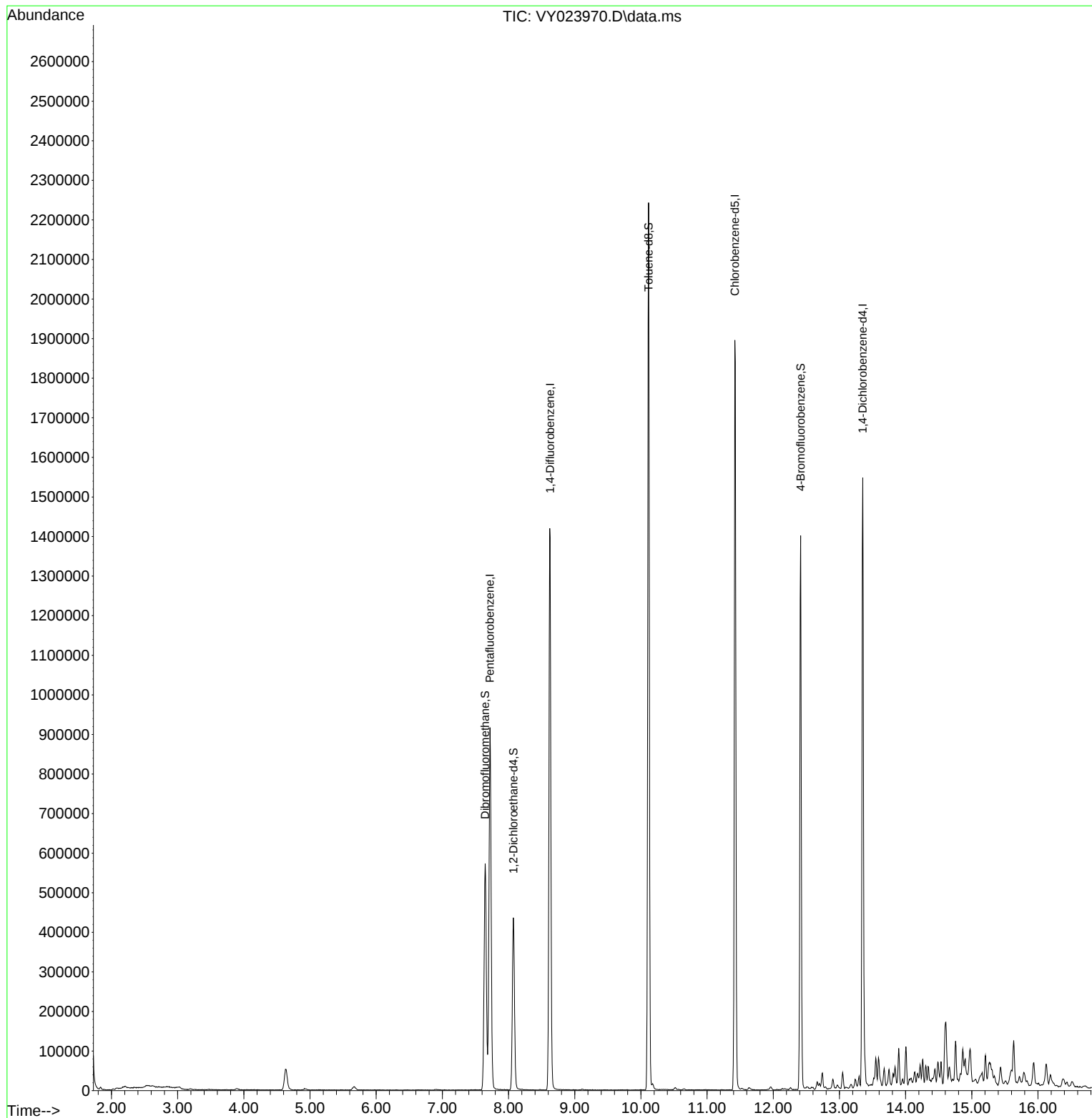
Target Compounds	Qvalue

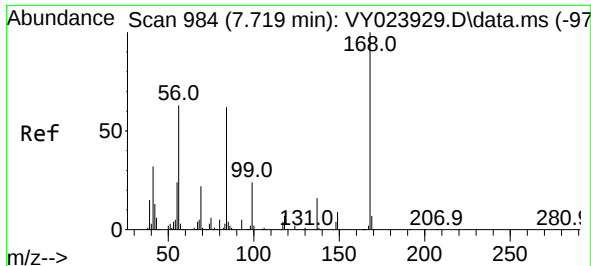
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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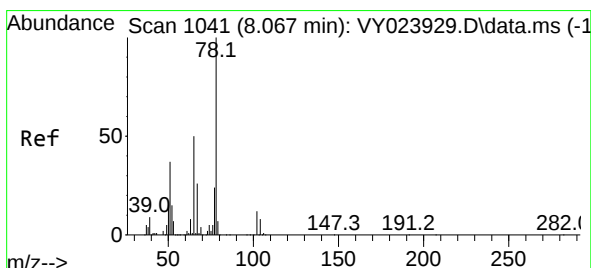
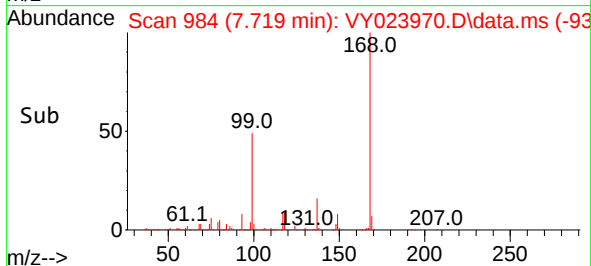
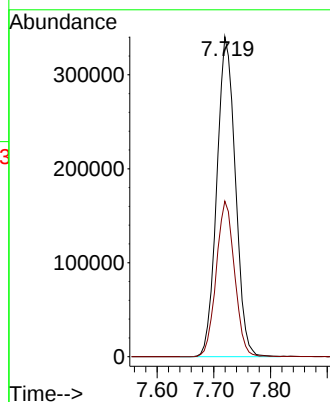
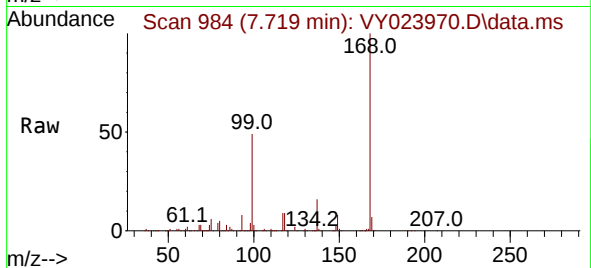




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023970.D
Acq: 15 Dec 2025 12:39

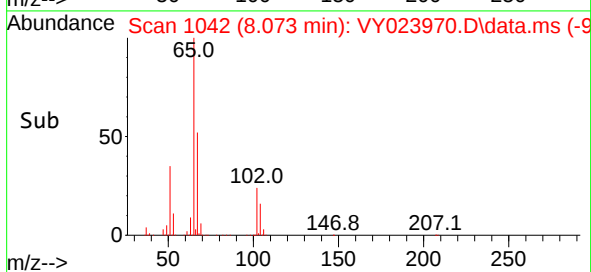
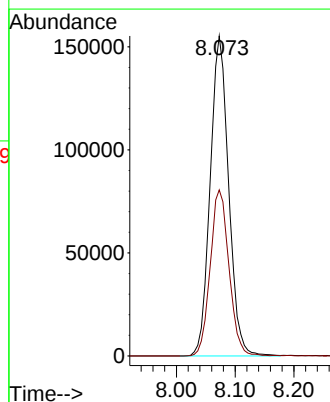
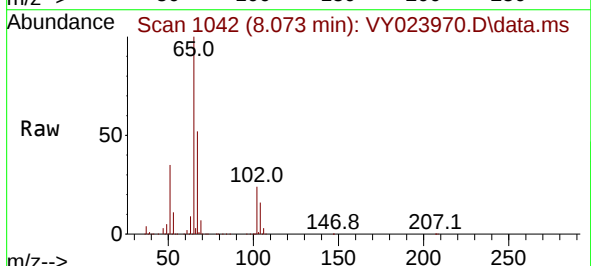
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-121225

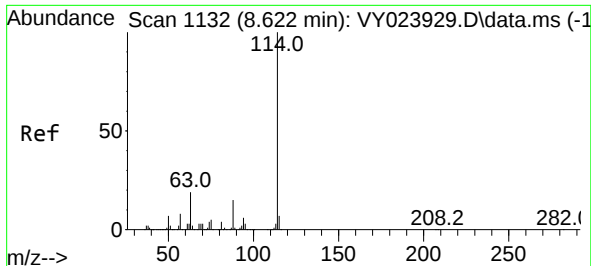
Tgt Ion:168 Resp: 774293
Ion Ratio Lower Upper
168 100
99 48.6 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 49.418 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023970.D
Acq: 15 Dec 2025 12:39

Tgt Ion: 65 Resp: 338307
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.2

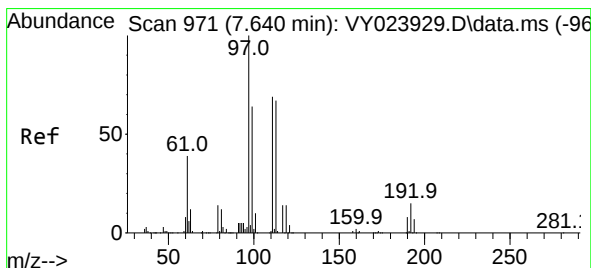
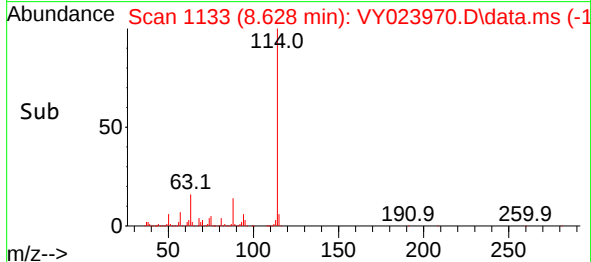
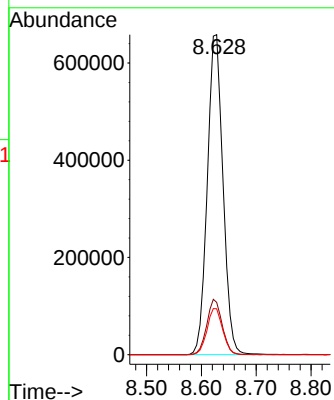
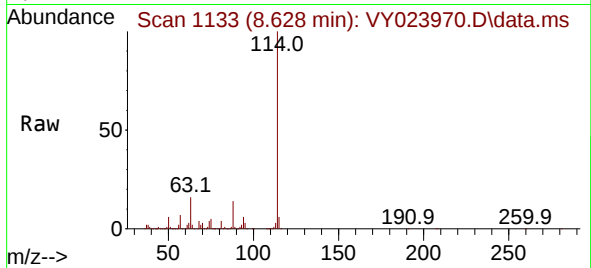




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023970.D
Acq: 15 Dec 2025 12:39

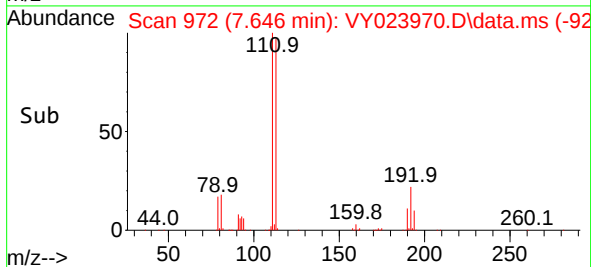
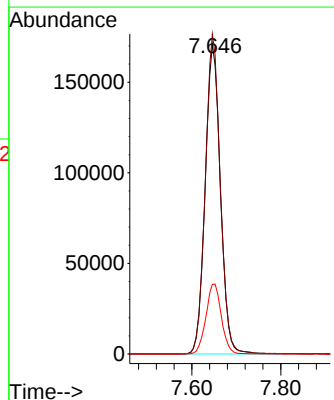
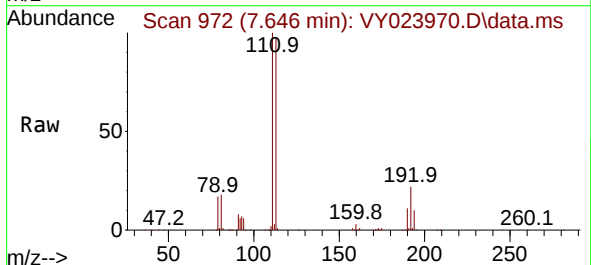
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-121225

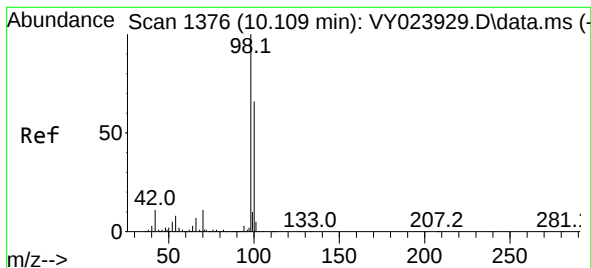
Tgt Ion:114 Resp: 1302279
Ion Ratio Lower Upper
114 100
63 16.4 0.0 37.2
88 14.3 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.869 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023970.D
Acq: 15 Dec 2025 12:39

Tgt Ion:113 Resp: 407502
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 22.9 17.9 26.9





#50

Toluene-d8

Concen: 45.770 ug/l

RT: 10.115 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023970.D

Acq: 15 Dec 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :

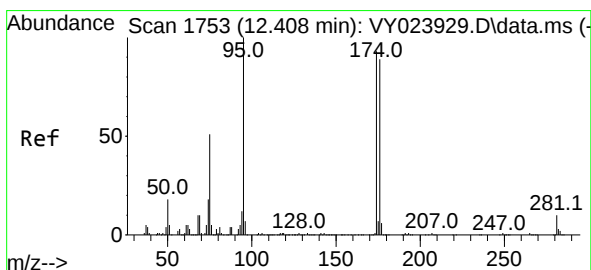
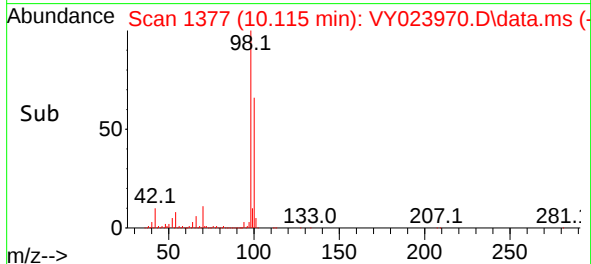
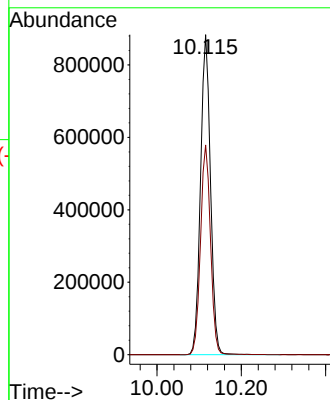
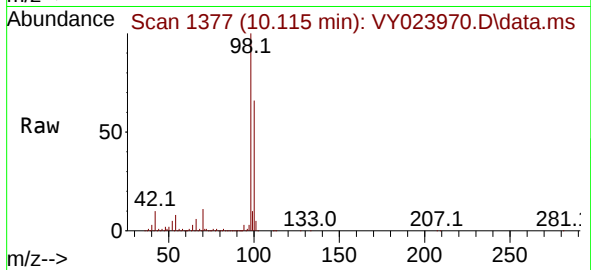
EO-03-121225

Tgt Ion: 98 Resp: 1450662

Ion Ratio Lower Upper

98 100

100 65.8 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 38.485 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.006 min

Lab File: VY023970.D

Acq: 15 Dec 2025 12:39

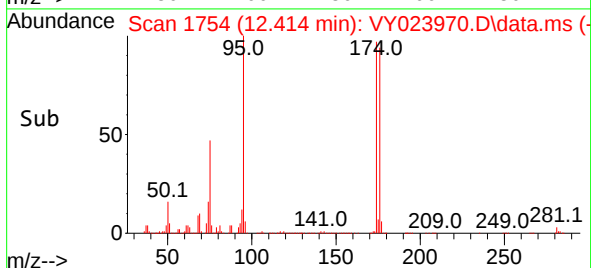
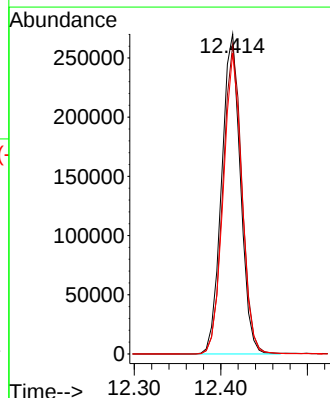
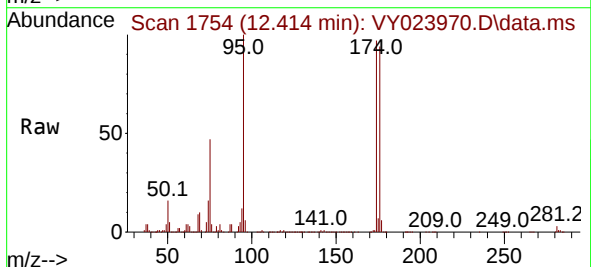
Tgt Ion: 95 Resp: 407341

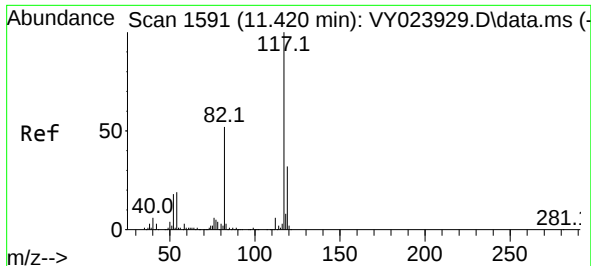
Ion Ratio Lower Upper

95 100

174 97.9 0.0 187.4

176 93.2 0.0 179.6

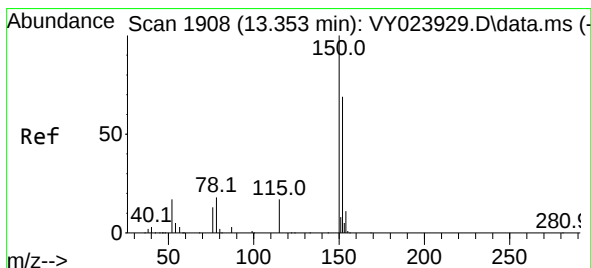
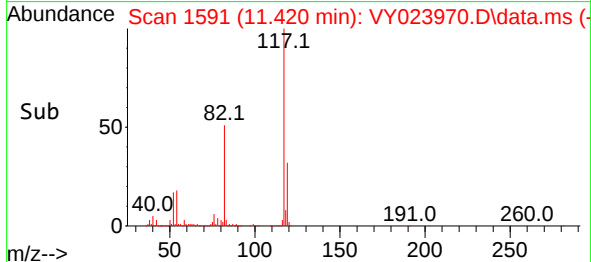
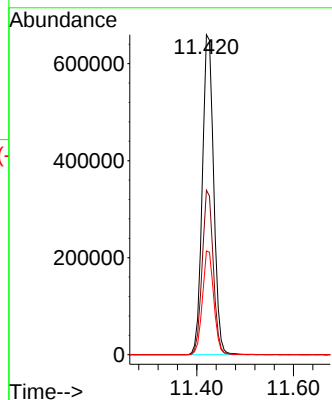
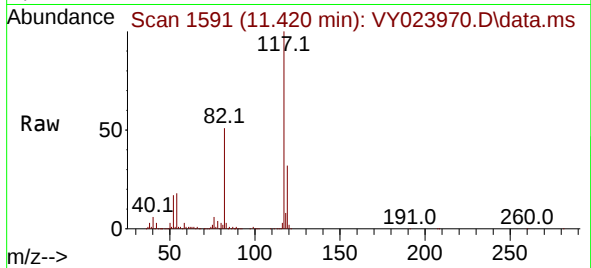




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023970.D
Acq: 15 Dec 2025 12:39

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-121225

Tgt Ion:117 Resp: 1076446
Ion Ratio Lower Upper
117 100
82 51.4 41.4 62.2
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY023970.D
Acq: 15 Dec 2025 12:39

Tgt Ion:152 Resp: 418617
Ion Ratio Lower Upper
152 100
115 54.3 27.3 81.9
150 156.1 0.0 347.6

