

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022604.D
 Acq On : 06 Jun 2025 16:48
 Operator : SY/MD
 Sample : Q2224-01
 Misc : 5.37g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-06042025

Quant Time: Jun 06 23:45:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	156402	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	282035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	226726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	85469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	90539	51.758	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.520%
35) Dibromofluoromethane	7.628	113	86200	51.206	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.420%
50) Toluene-d8	10.103	98	336925	49.533	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.060%
62) 4-Bromofluorobenzene	12.401	95	83547	41.224	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.440%

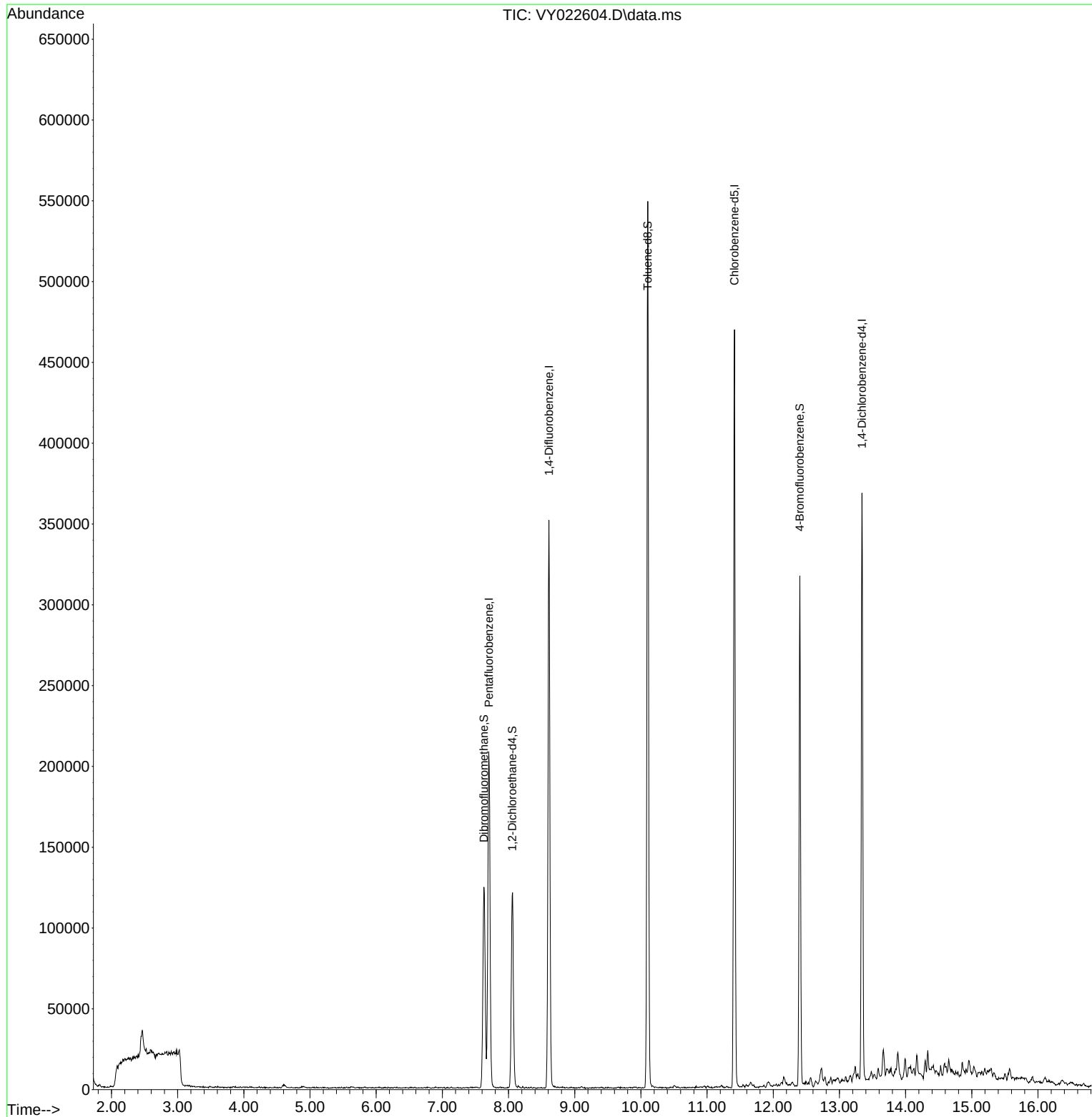
Target Compounds	Qvalue

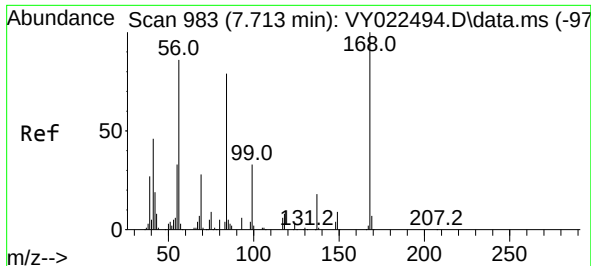
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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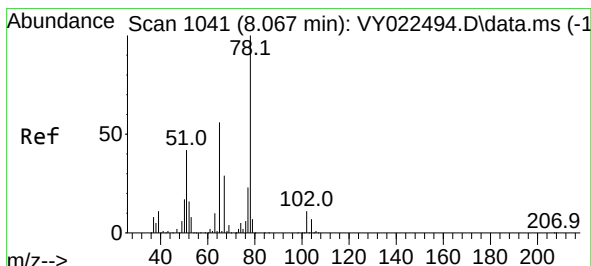
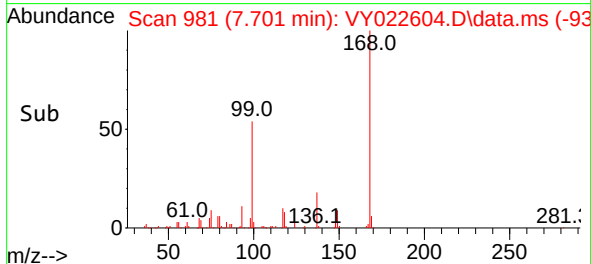
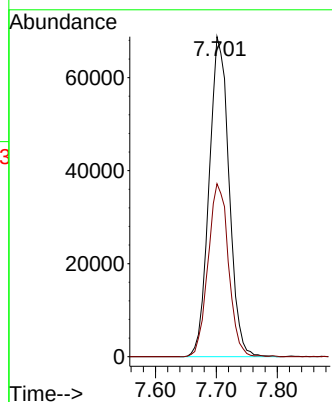
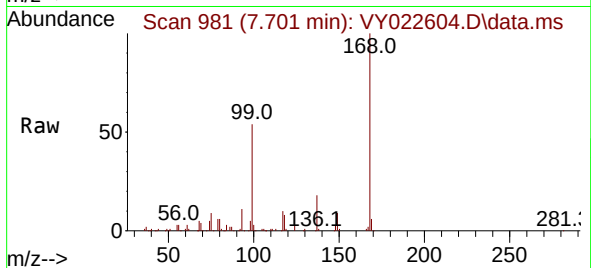




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022604.D
Acq: 06 Jun 2025 16:48

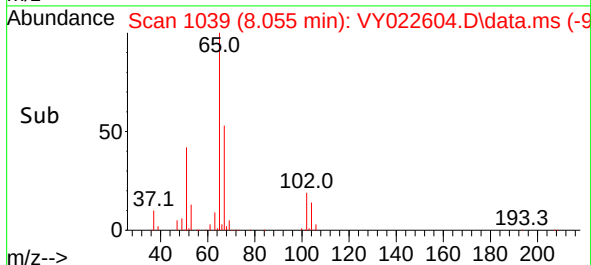
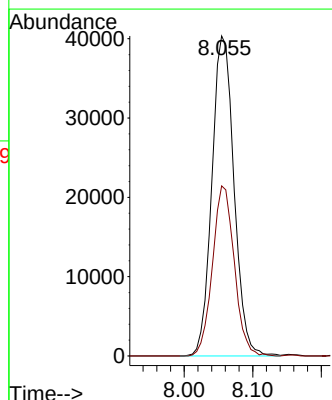
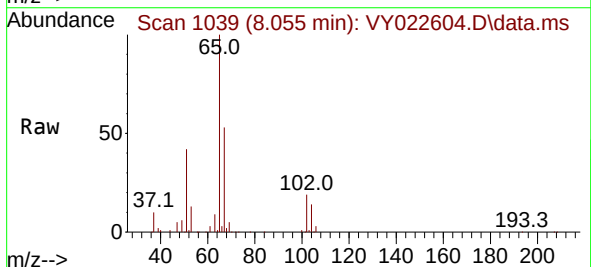
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

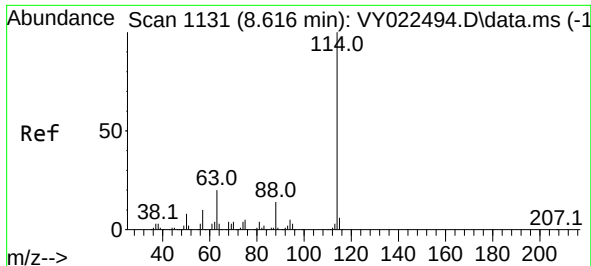
Tgt Ion:168 Resp: 156402
Ion Ratio Lower Upper
168 100
99 54.0 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 51.758 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022604.D
Acq: 06 Jun 2025 16:48

Tgt Ion: 65 Resp: 90539
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4

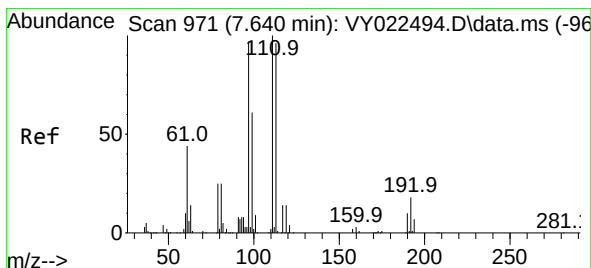
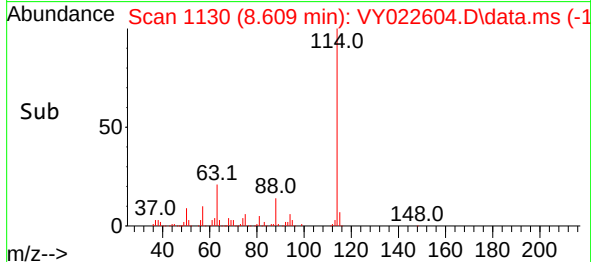
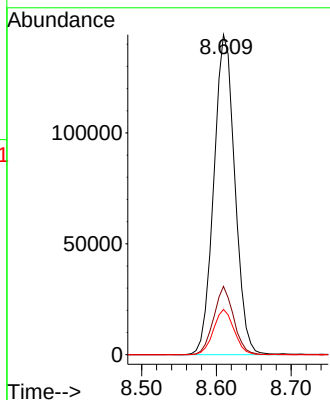
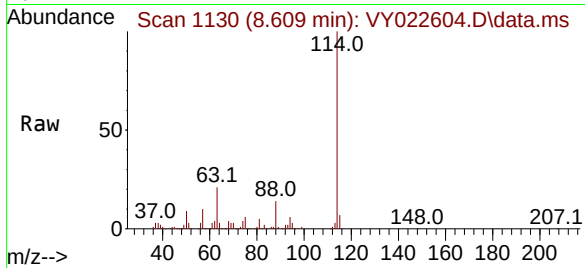




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.609 min Scan# 1131
 Delta R.T. -0.006 min
 Lab File: VY022604.D
 Acq: 06 Jun 2025 16:48

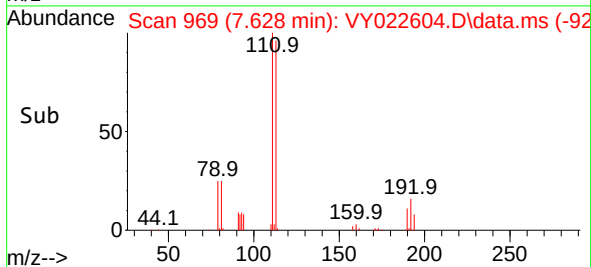
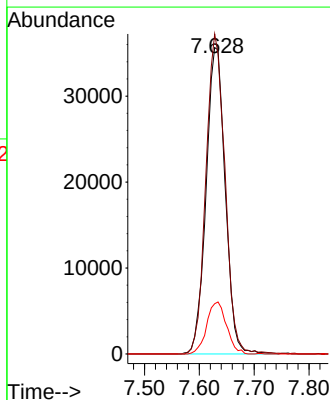
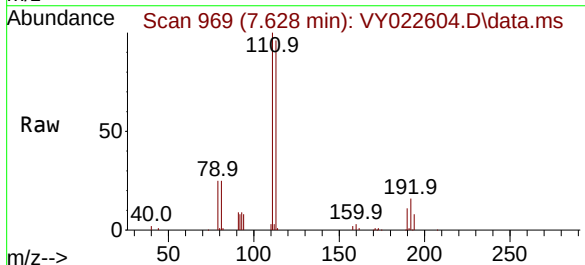
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-06042025

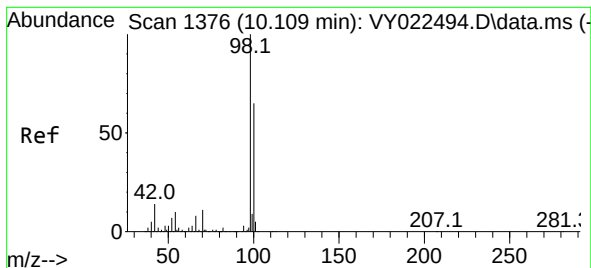
Tgt Ion:114 Resp: 282035
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.8
 88 14.2 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 51.206 ug/l
 RT: 7.628 min Scan# 969
 Delta R.T. -0.012 min
 Lab File: VY022604.D
 Acq: 06 Jun 2025 16:48

Tgt Ion:113 Resp: 86200
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.1 121.7
 192 17.6 14.2 21.2

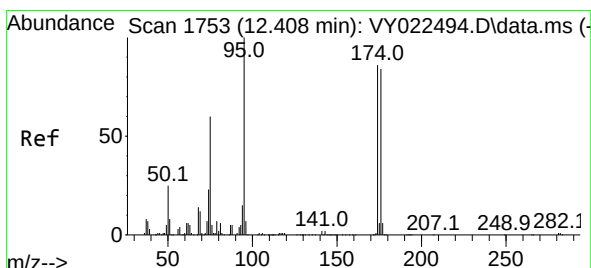
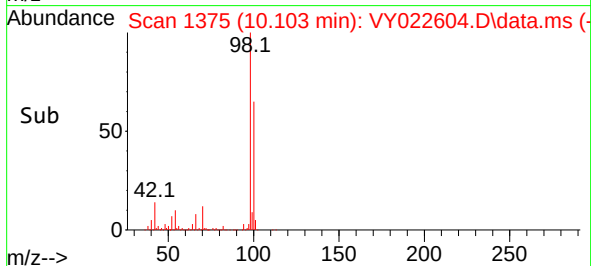
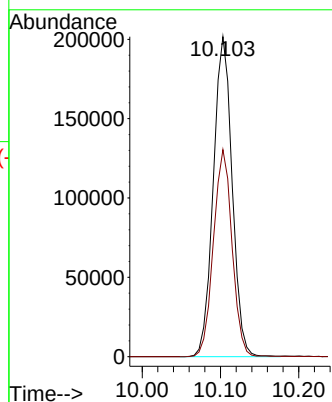
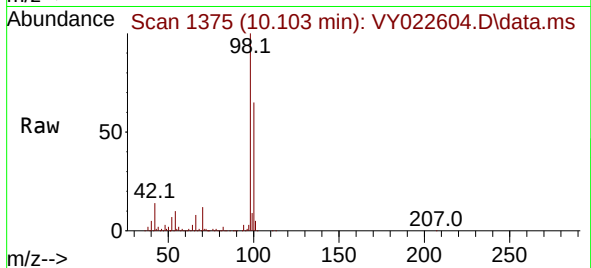




#50
Toluene-d8
Concen: 49.533 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022604.D
Acq: 06 Jun 2025 16:48

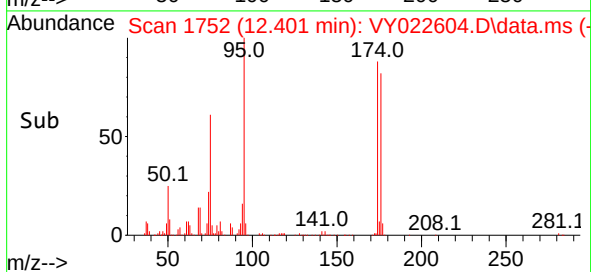
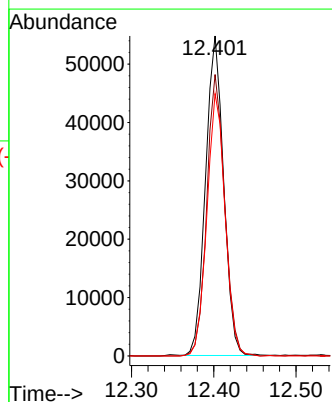
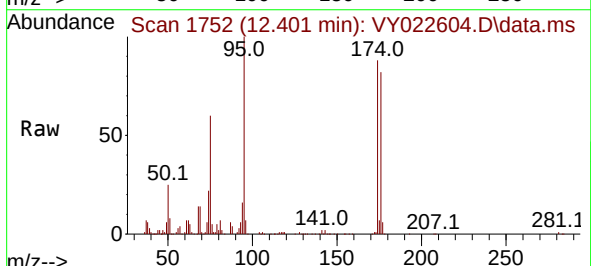
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

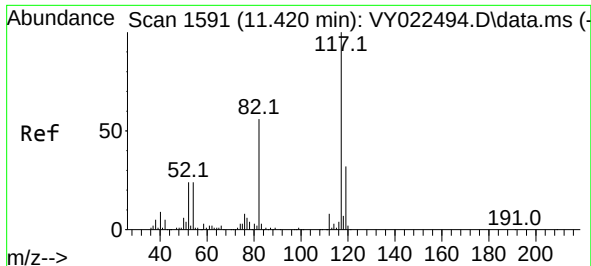
Tgt Ion: 98 Resp: 336925
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 41.224 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022604.D
Acq: 06 Jun 2025 16:48

Tgt Ion: 95 Resp: 83547
Ion Ratio Lower Upper
95 100
174 87.6 0.0 170.0
176 82.7 0.0 166.2

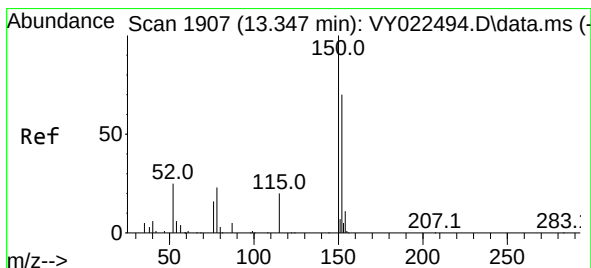
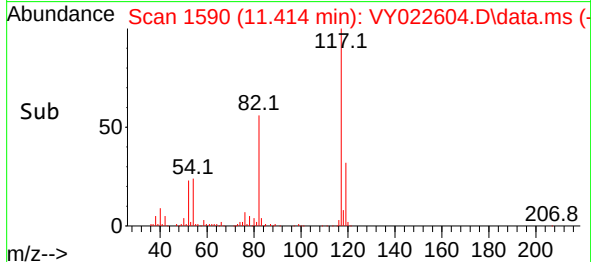
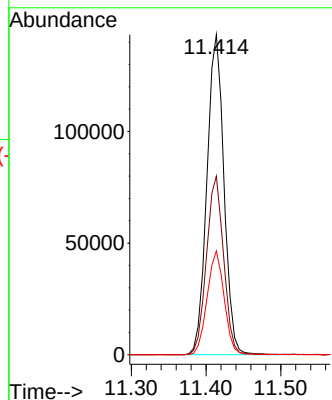
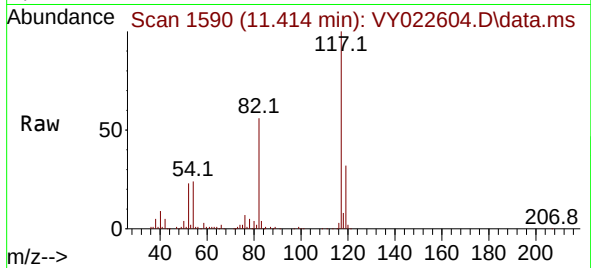




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022604.D
Acq: 06 Jun 2025 16:48

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

Tgt Ion:117 Resp: 226726
Ion Ratio Lower Upper
117 100
82 55.8 44.6 66.8
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022604.D
Acq: 06 Jun 2025 16:48

Tgt Ion:152 Resp: 85469
Ion Ratio Lower Upper
152 100
115 55.7 28.9 86.7
150 152.2 0.0 349.6

