

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022844.D
 Acq On : 26 Jun 2025 12:56
 Operator : SY/MD
 Sample : Q2413-01
 Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-35

Quant Time: Jun 27 01:27:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

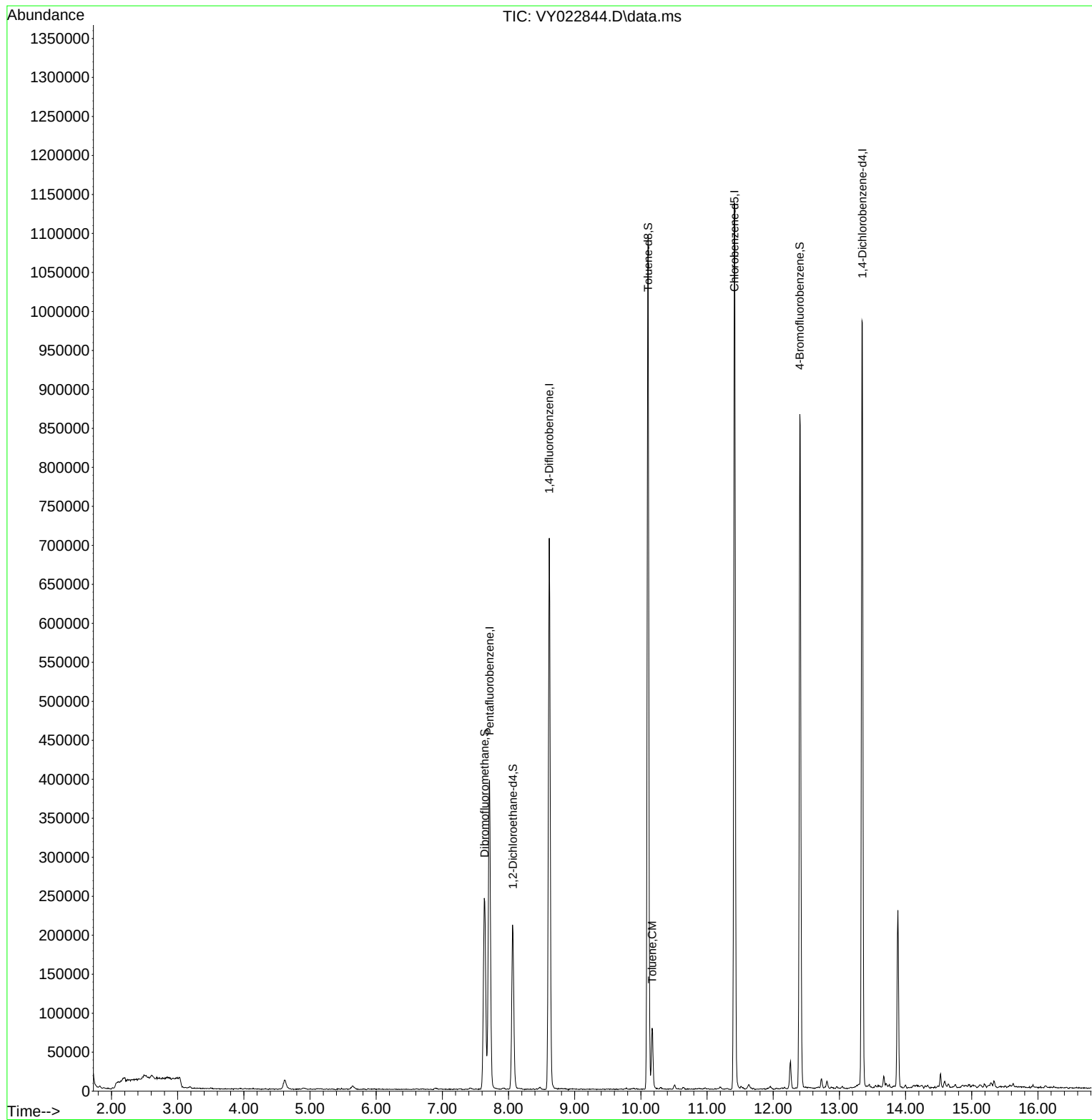
Internal Standards						
1) Pentafluorobenzene	7.713	168	306589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	584214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	574106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	247141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	162099	47.372	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.740%
35) Dibromofluoromethane	7.640	113	179265	50.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.920%
50) Toluene-d8	10.109	98	708810	50.276	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.560%
62) 4-Bromofluorobenzene	12.401	95	248839	54.905	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.800%
Target Compounds						
52) Toluene	10.170	92	30801	2.949	ug/l	Qvalue 100

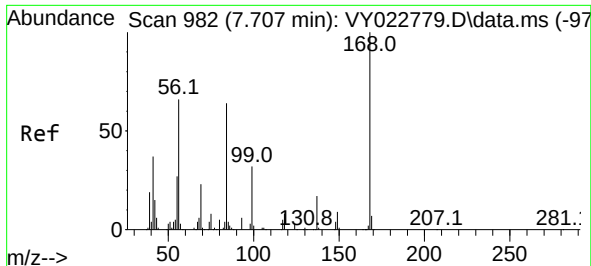
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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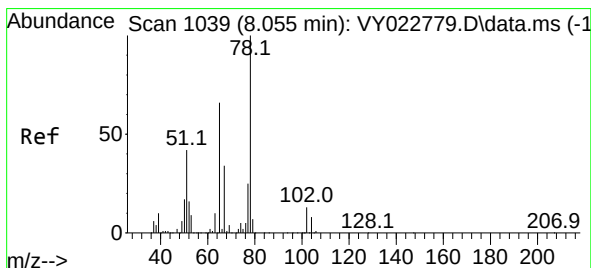
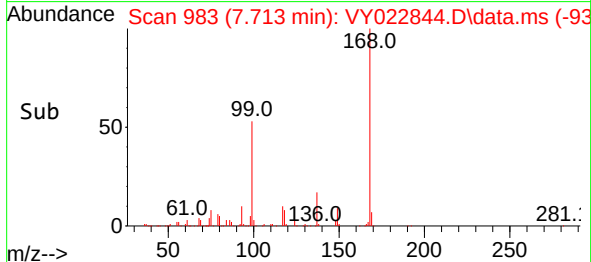
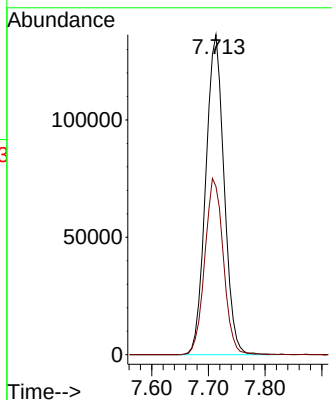
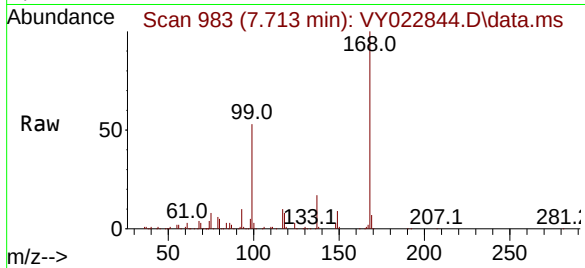




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022844.D
Acq: 26 Jun 2025 12:56

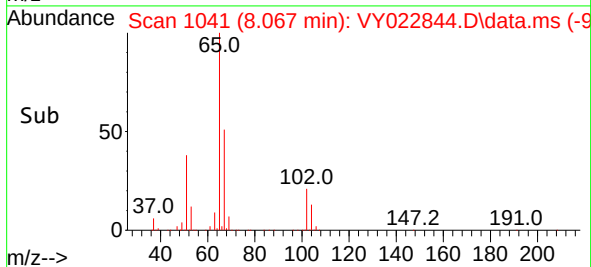
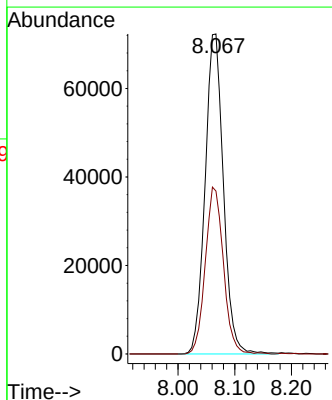
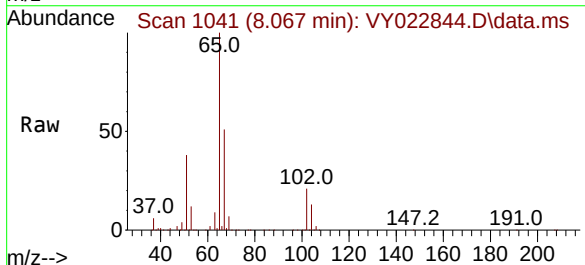
Instrument :
MSVOA_Y
ClientSampleId :
TP-35

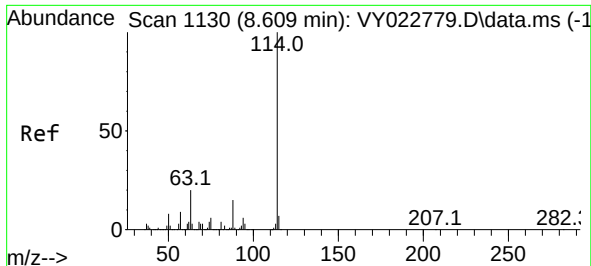
Tgt Ion:168 Resp: 306589
Ion Ratio Lower Upper
168 100
99 52.6 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 47.372 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022844.D
Acq: 26 Jun 2025 12:56

Tgt Ion: 65 Resp: 162099
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022844.D

Acq: 26 Jun 2025 12:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-35

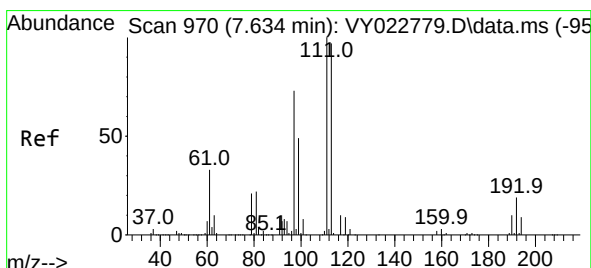
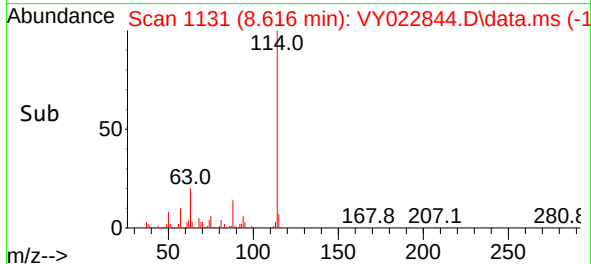
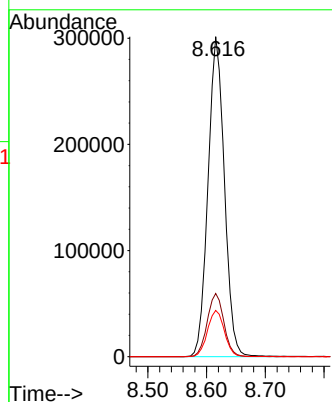
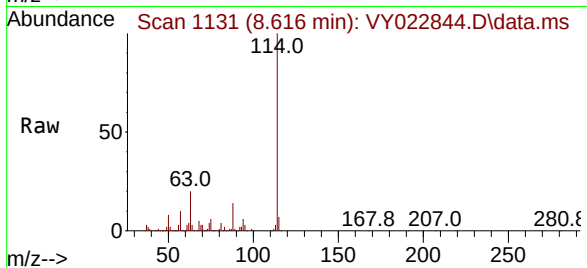
Tgt Ion:114 Resp: 584214

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 14.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.456 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022844.D

Acq: 26 Jun 2025 12:56

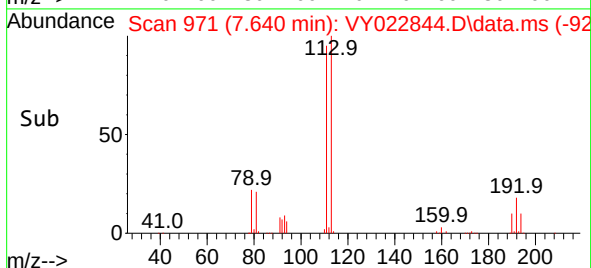
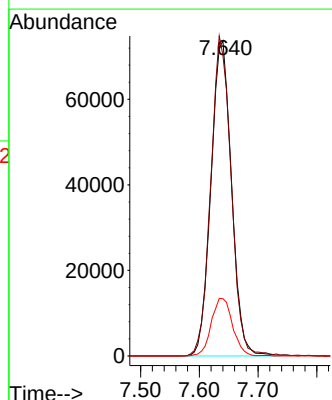
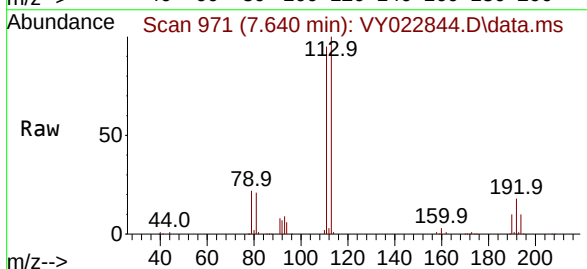
Tgt Ion:113 Resp: 179265

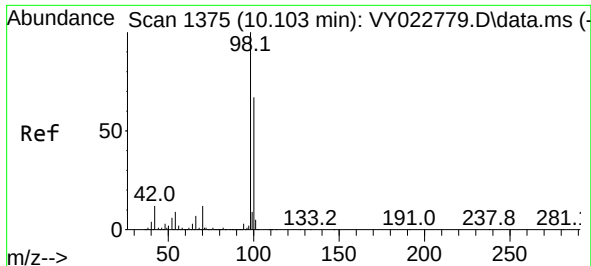
Ion Ratio Lower Upper

113 100

111 100.4 81.1 121.7

192 18.8 14.2 21.2

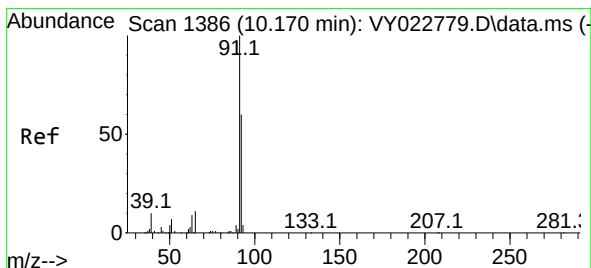
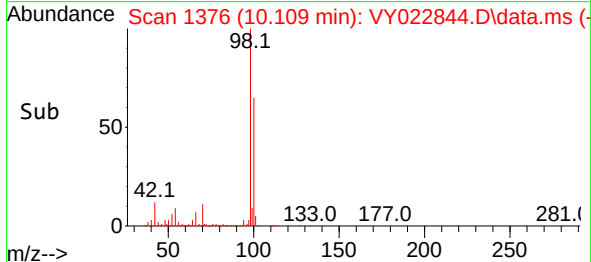
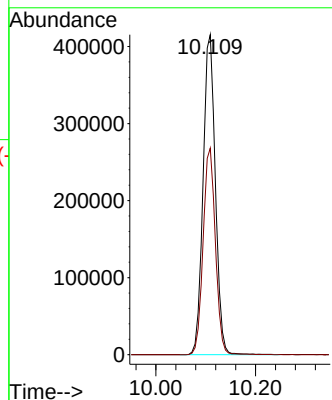
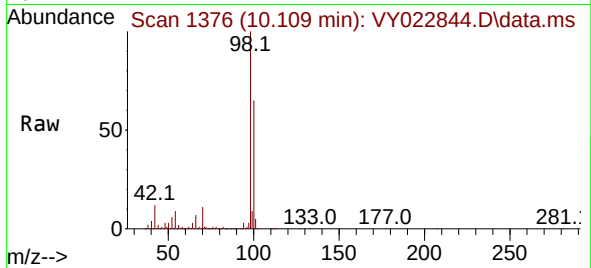




#50
Toluene-d8
Concen: 50.276 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022844.D
Acq: 26 Jun 2025 12:56

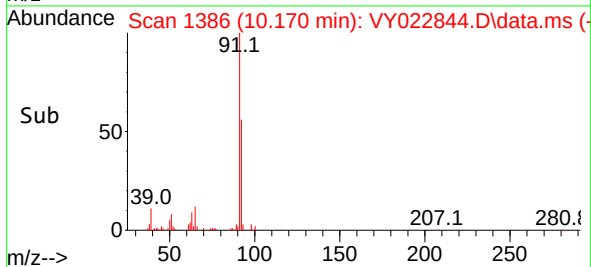
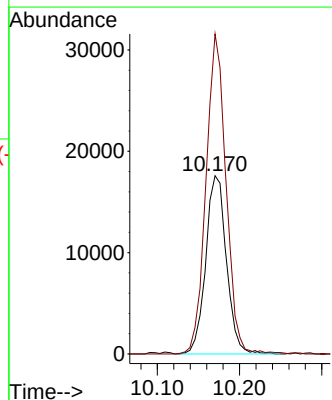
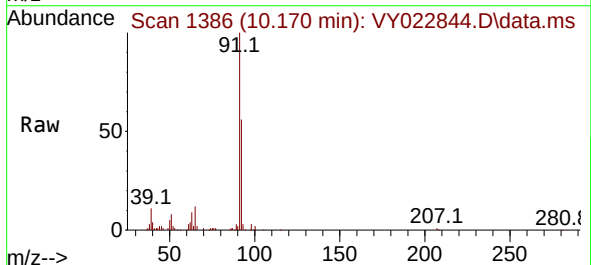
Instrument :
MSVOA_Y
ClientSampleId :
TP-35

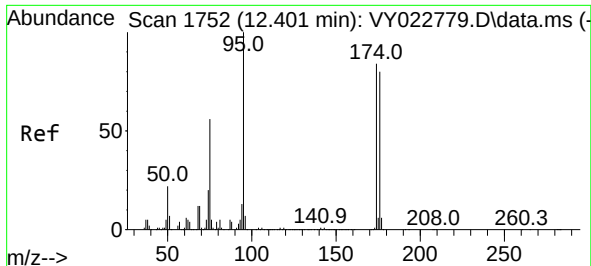
Tgt Ion: 98 Resp: 708810
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#52
Toluene
Concen: 2.949 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022844.D
Acq: 26 Jun 2025 12:56

Tgt Ion: 92 Resp: 30801
Ion Ratio Lower Upper
92 100
91 173.5 139.0 208.4

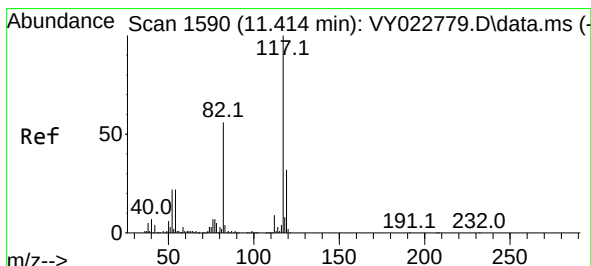
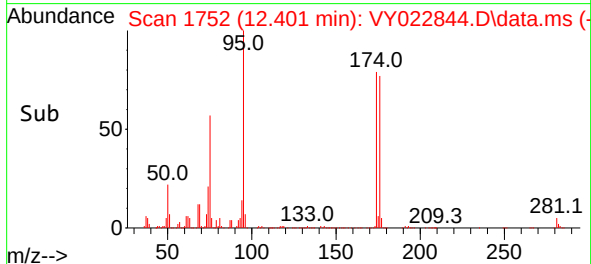
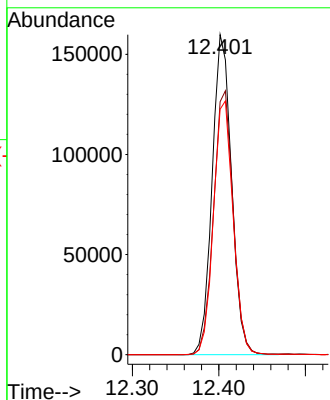
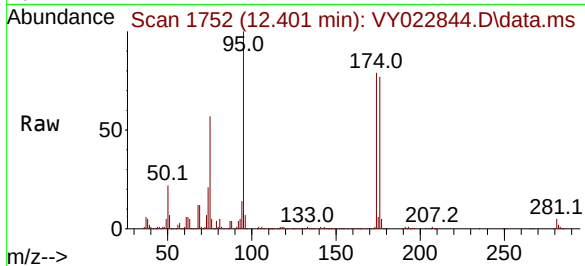




#62
4-Bromofluorobenzene
Concen: 54.905 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022844.D
Acq: 26 Jun 2025 12:56

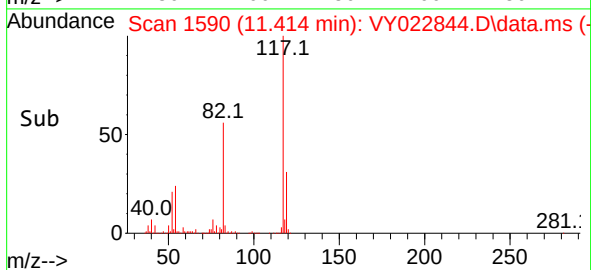
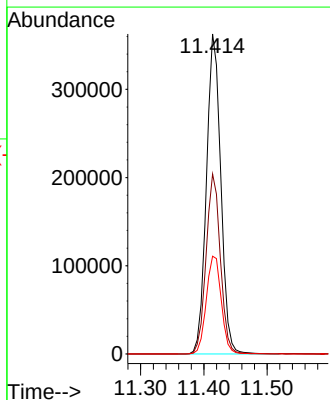
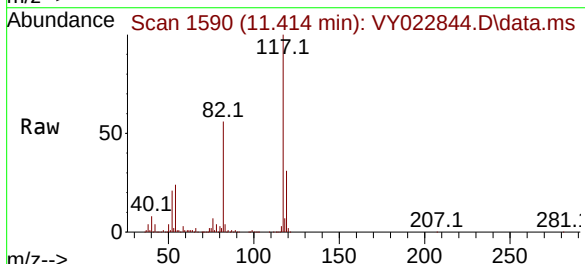
Instrument :
MSVOA_Y
ClientSampleId :
TP-35

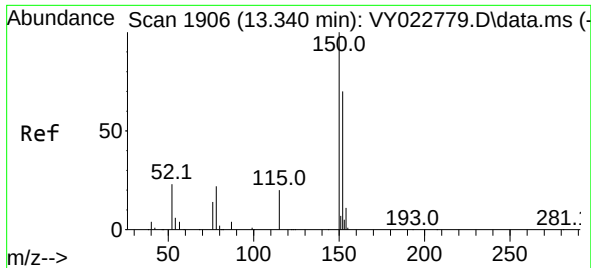
Tgt Ion: 95 Resp: 248839
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.0
176 80.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022844.D
Acq: 26 Jun 2025 12:56

Tgt Ion: 117 Resp: 574106
Ion Ratio Lower Upper
117 100
82 56.3 44.6 66.8
119 30.6 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022844.D
 Acq: 26 Jun 2025 12:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-35

Tgt Ion:152 Resp: 247141
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.9 86.7
 150 157.3 0.0 349.6

