

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022964.D
 Acq On : 07 Jul 2025 16:45
 Operator : SY/MD
 Sample : Q2514-01
 Misc : 5.70g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-92

Quant Time: Jul 08 01:49:59 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)

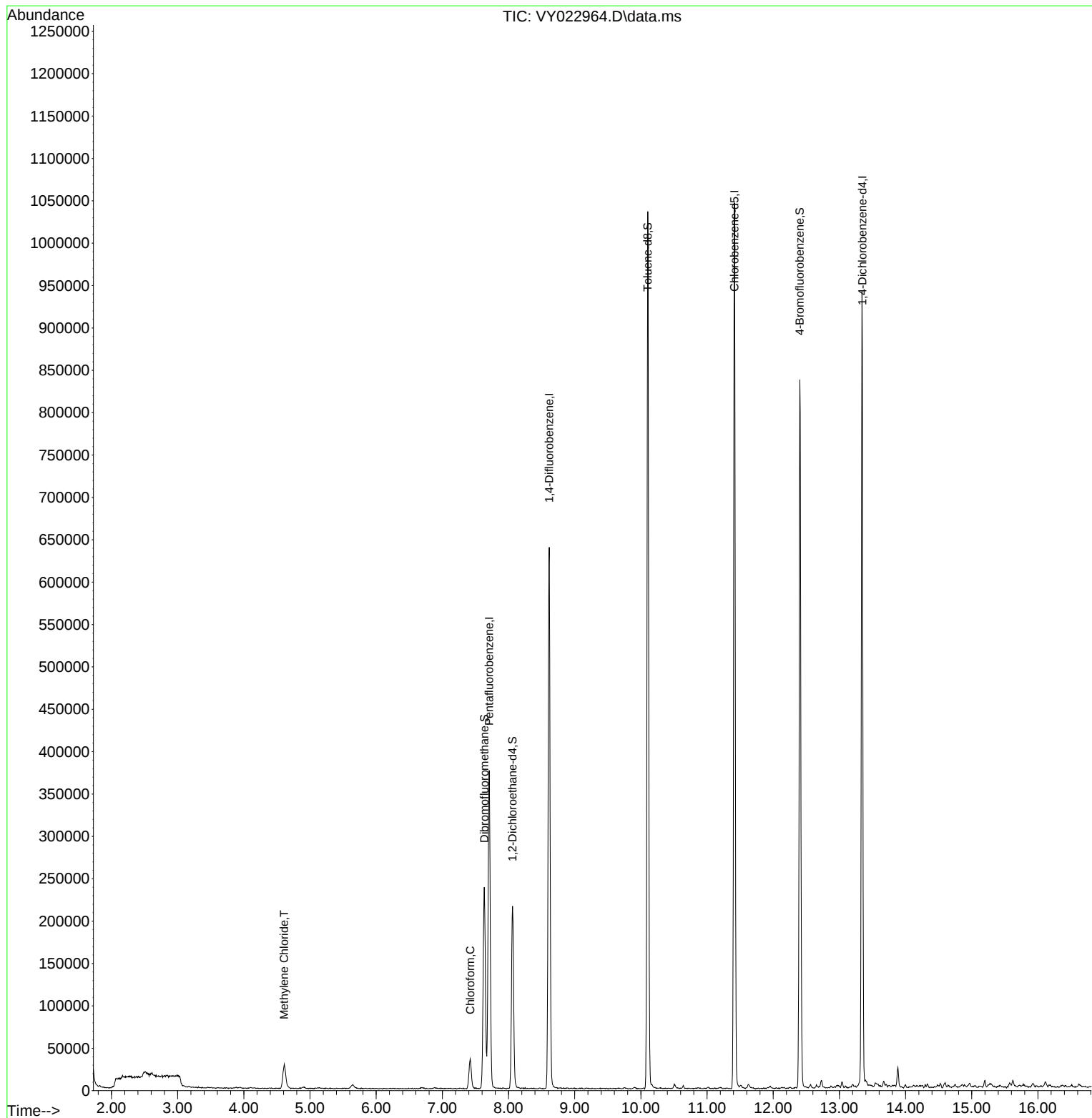
Internal Standards						
1) Pentafluorobenzene	7.707	168	278822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	532794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	532521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	221432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	173188	55.653	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.300%
35) Dibromofluoromethane	7.634	113	167709	51.759	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.520%
50) Toluene-d8	10.103	98	660270	51.353	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.700%
62) 4-Bromofluorobenzene	12.402	95	231840	56.091	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.180%
Target Compounds						
						Qvalue
20) Methylene Chloride	4.610	84	20404	5.493	ug/l	95
30) Chloroform	7.421	83	33723	5.623	ug/l	97

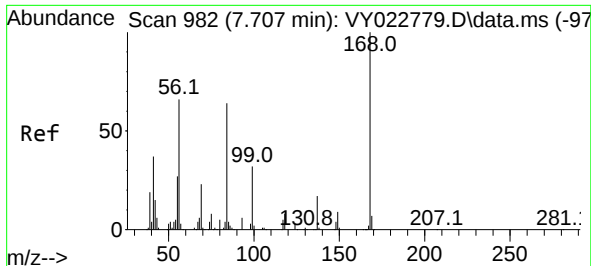
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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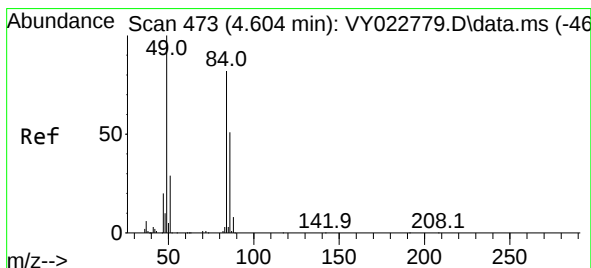
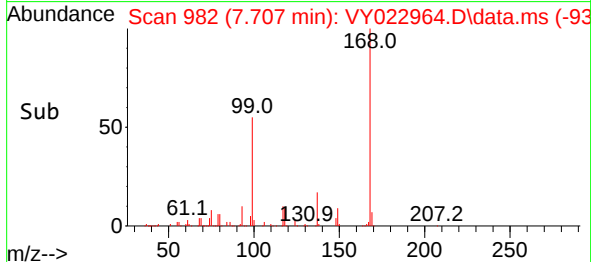
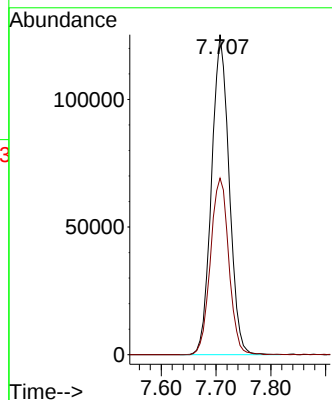
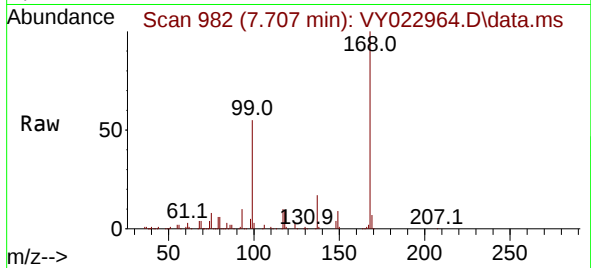




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

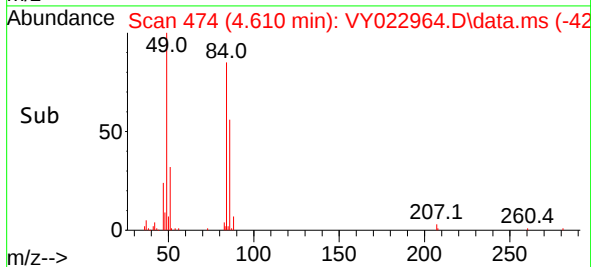
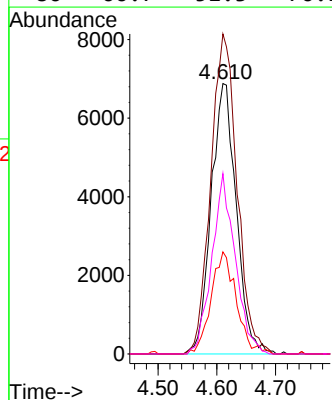
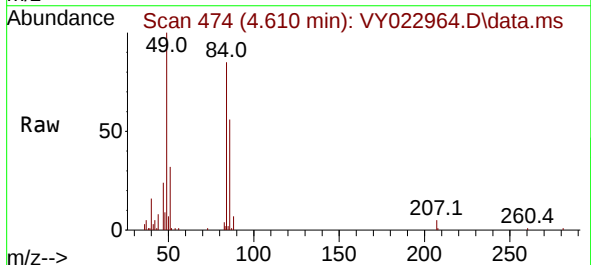
Instrument :
MSVOA_Y
ClientSampleId :
TP-92

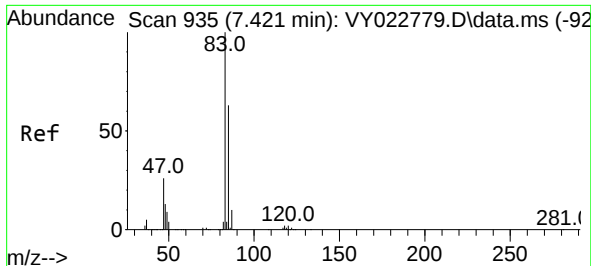
Tgt Ion:168 Resp: 278822
Ion Ratio Lower Upper
168 100
99 55.1 44.3 66.5



#20
Methylene Chloride
Concen: 5.493 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

Tgt Ion: 84 Resp: 20404
Ion Ratio Lower Upper
84 100
49 118.3 101.9 152.9
51 37.7 29.8 44.8
86 66.7 51.3 76.9

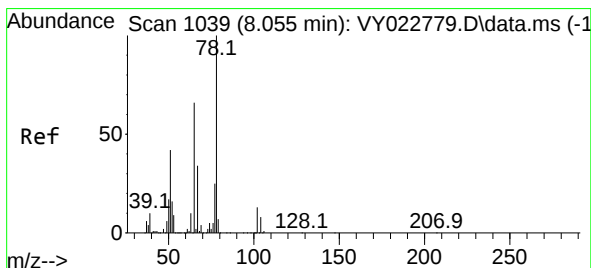
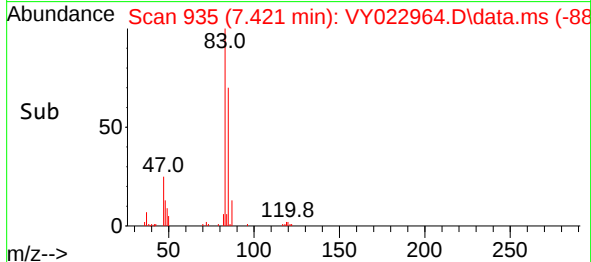
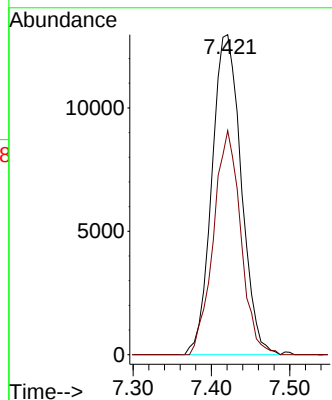
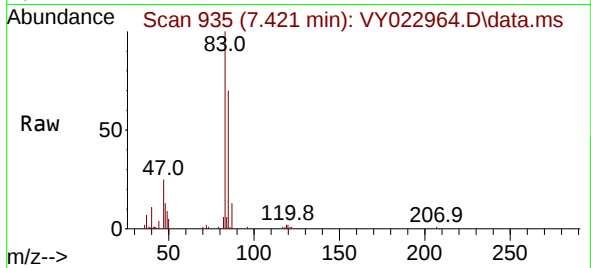




#30
Chloroform
Concen: 5.623 ug/l
RT: 7.421 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

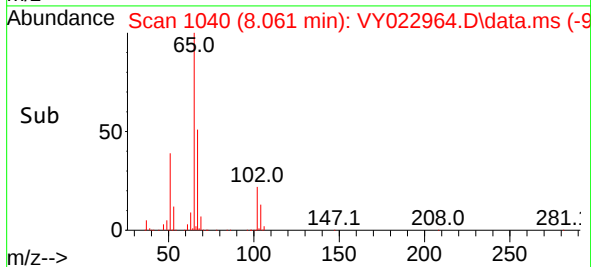
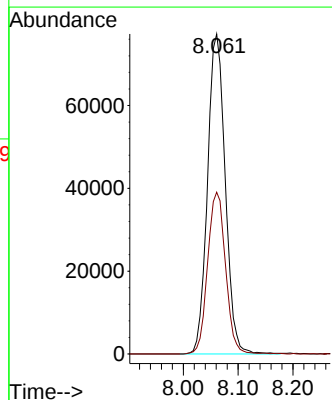
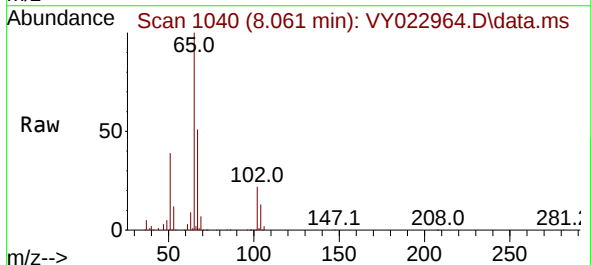
Instrument :
MSVOA_Y
ClientSampleId :
TP-92

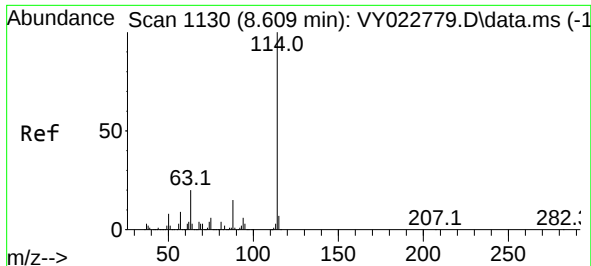
Tgt Ion: 83 Resp: 33723
Ion Ratio Lower Upper
83 100
85 70.0 54.2 81.4



#33
1,2-Dichloroethane-d4
Concen: 55.653 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

Tgt Ion: 65 Resp: 173188
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4

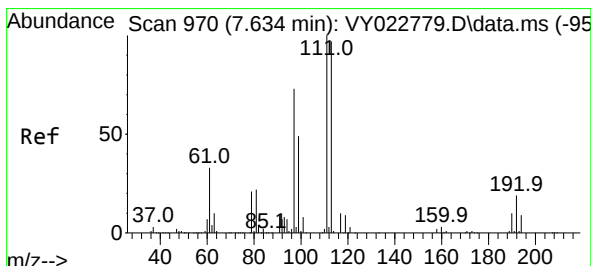
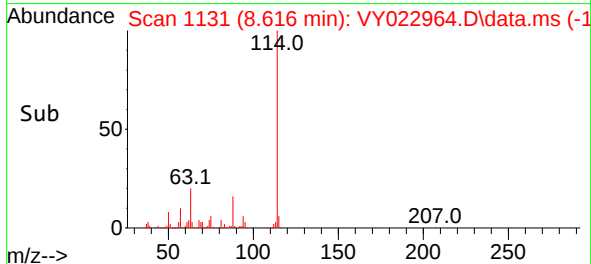
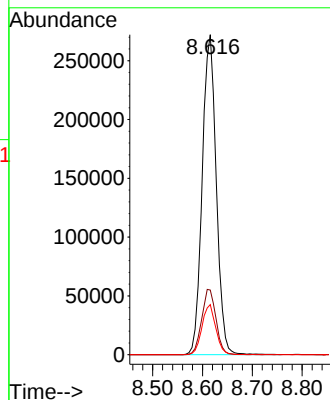
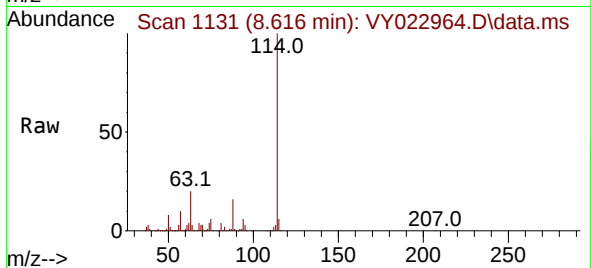




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

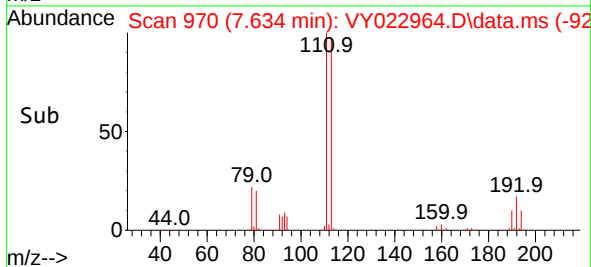
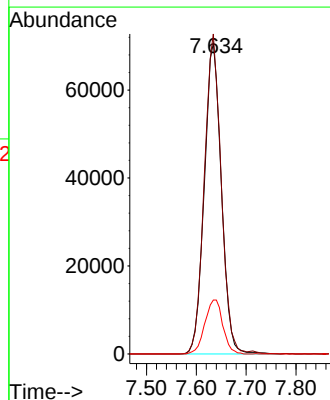
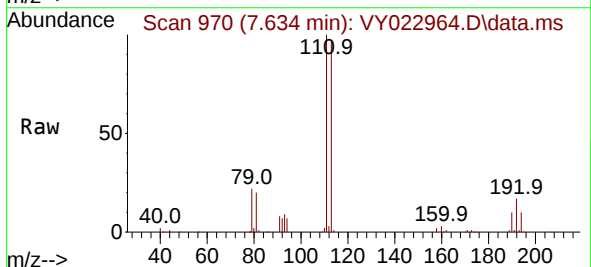
Instrument :
MSVOA_Y
ClientSampleId :
TP-92

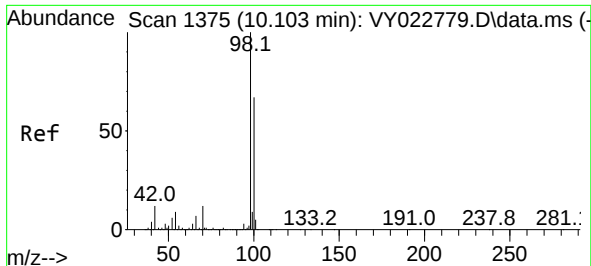
Tgt Ion:114 Resp: 532794
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 15.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.759 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

Tgt Ion:113 Resp: 167709
Ion Ratio Lower Upper
113 100
111 101.4 81.1 121.7
192 18.4 14.2 21.2

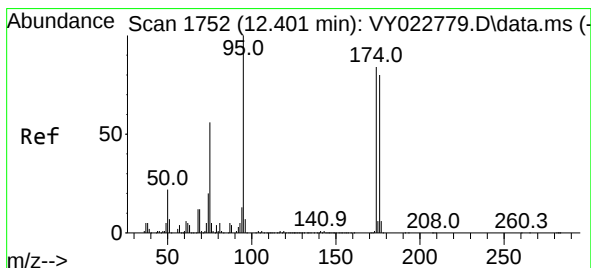
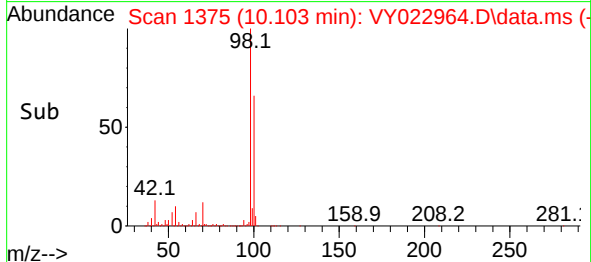
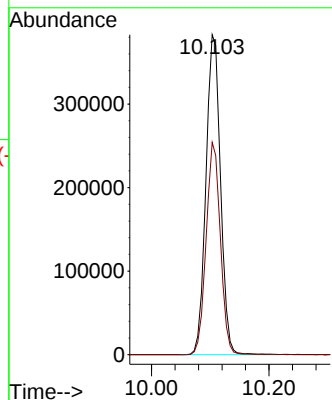
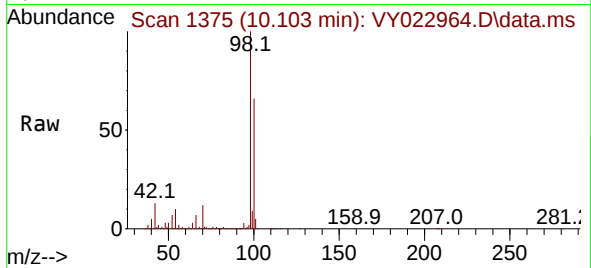




#50
Toluene-d8
Concen: 51.353 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

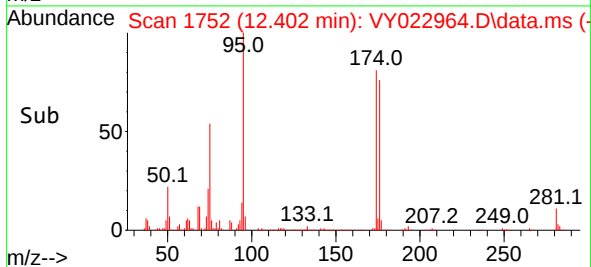
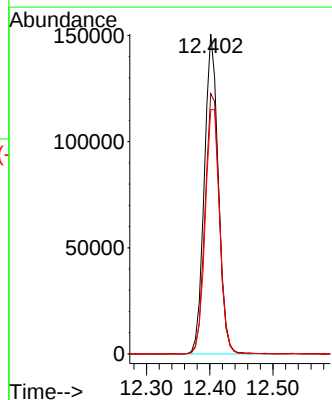
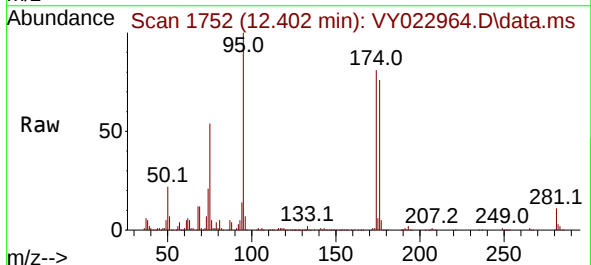
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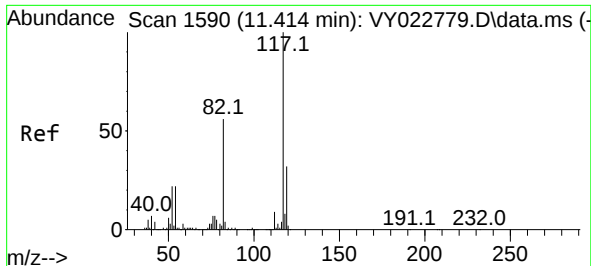
Tgt Ion: 98 Resp: 660270
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 56.091 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

Tgt Ion: 95 Resp: 231840
Ion Ratio Lower Upper
95 100
174 84.2 0.0 170.0
176 78.9 0.0 166.2

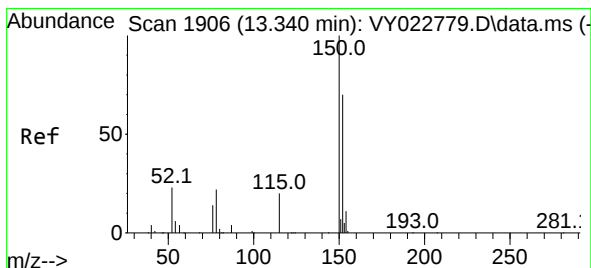
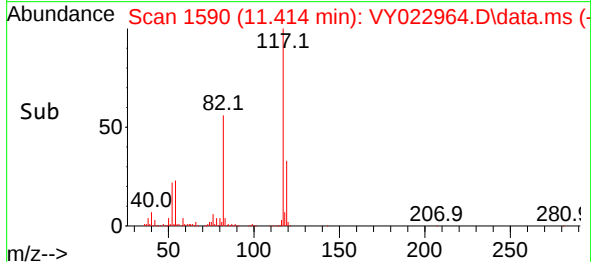
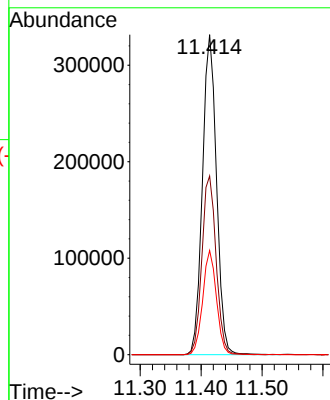
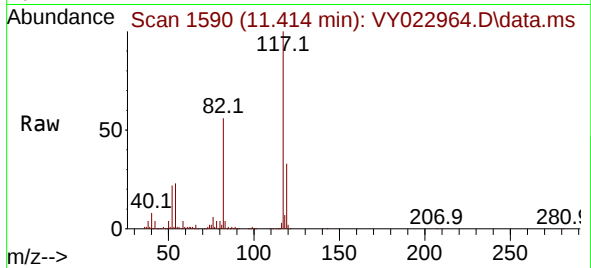




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022964.D
Acq: 07 Jul 2025 16:45

Instrument :
MSVOA_Y
ClientSampleId :
TP-92

Tgt Ion:117 Resp: 532521
Ion Ratio Lower Upper
117 100
82 55.9 44.6 66.8
119 32.6 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: VY022964.D
Acq: 07 Jul 2025 16:45

Tgt Ion:152 Resp: 221432
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.7
150 157.8 0.0 349.6

