

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021714.D
 Acq On : 31 Mar 2025 13:04
 Operator : SY/MD
 Sample : Q1657-01RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11998RE

Quant Time: Mar 31 15:10:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

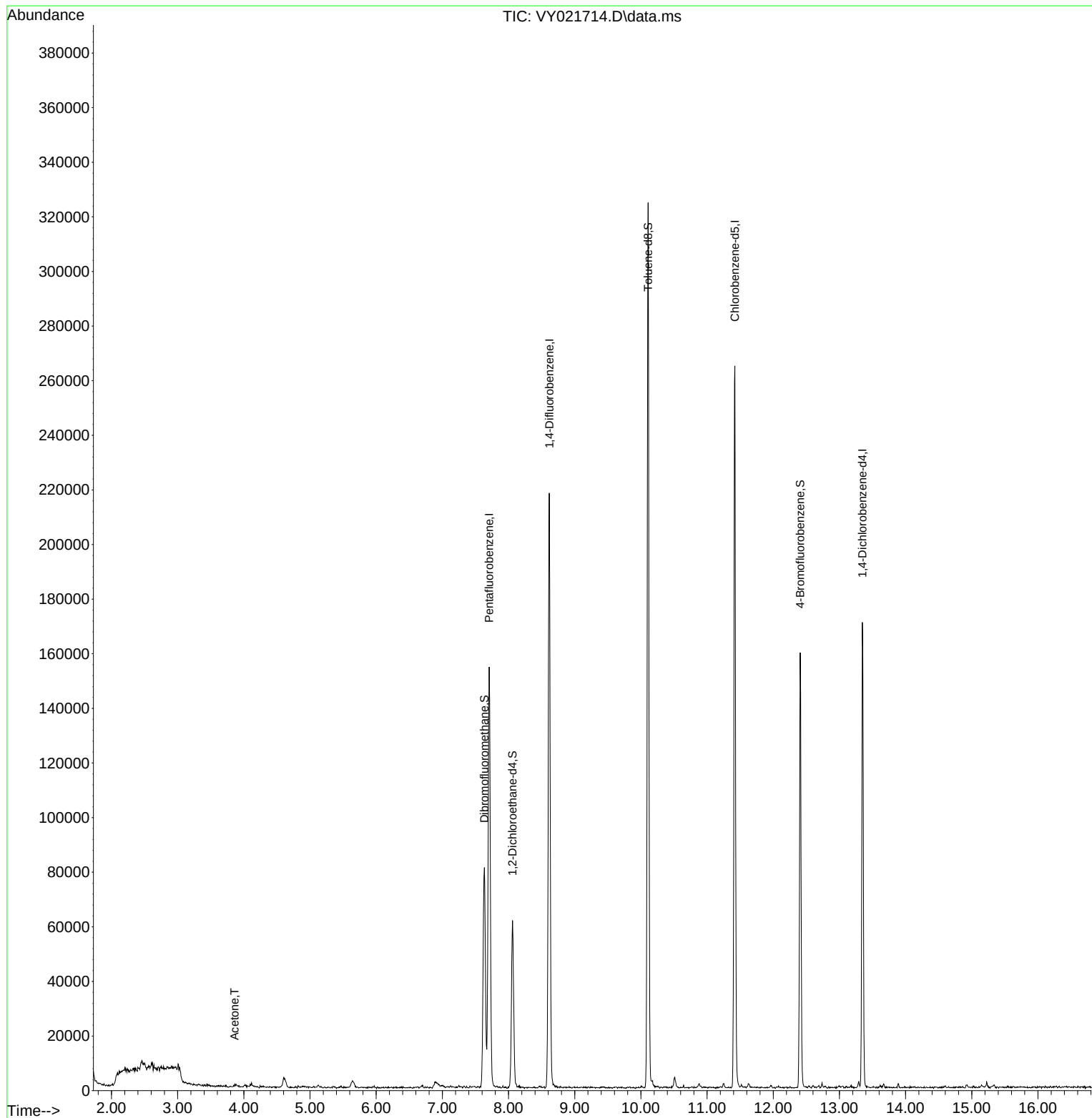
Internal Standards						
1) Pentafluorobenzene	7.707	168	116458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	179259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	138174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	43525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	48847	38.713	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.420%
35) Dibromofluoromethane	7.634	113	58000	49.879	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.760%
50) Toluene-d8	10.109	98	208669	47.170	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.340%
62) 4-Bromofluorobenzene	12.408	95	47882	32.000	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	64.000%
Target Compounds						
16) Acetone	3.860	43	1184	4.585	ug/l	Qvalue # 65

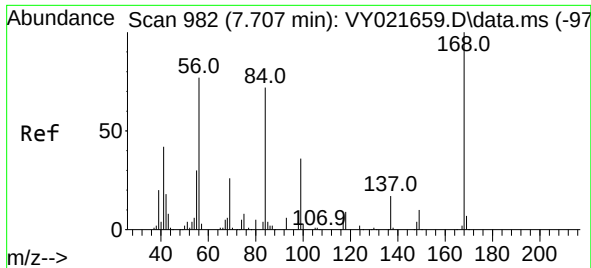
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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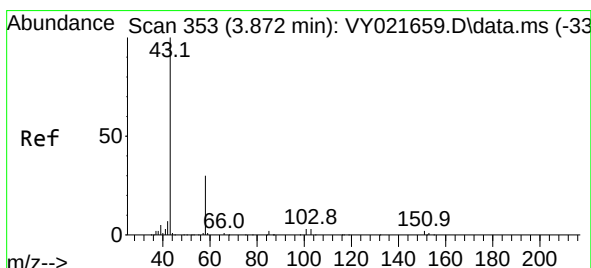
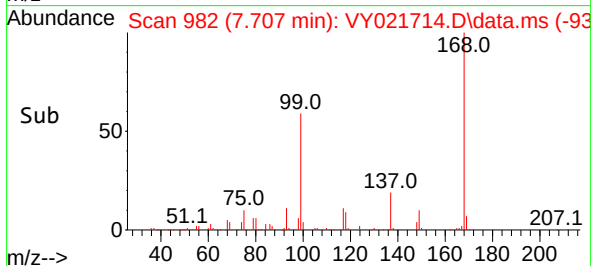
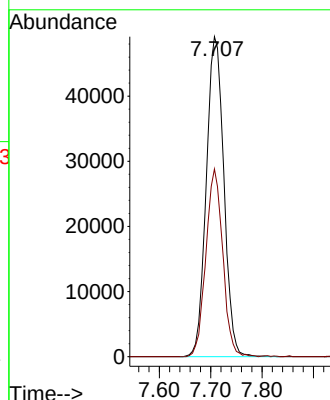
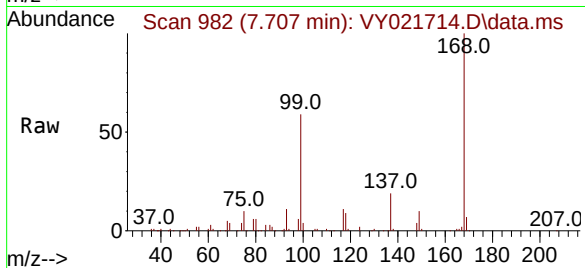




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021714.D
Acq: 31 Mar 2025 13:04

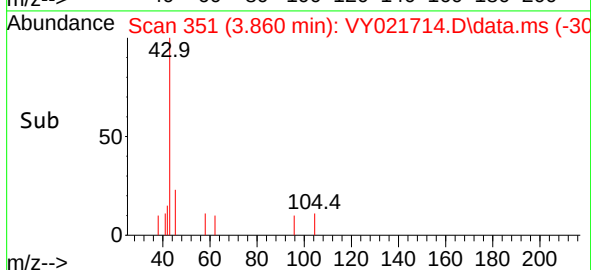
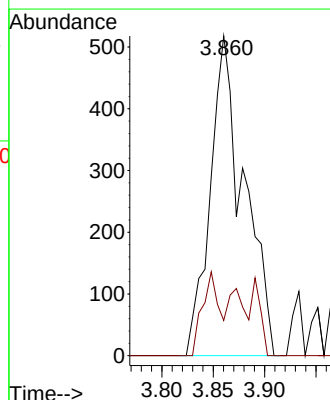
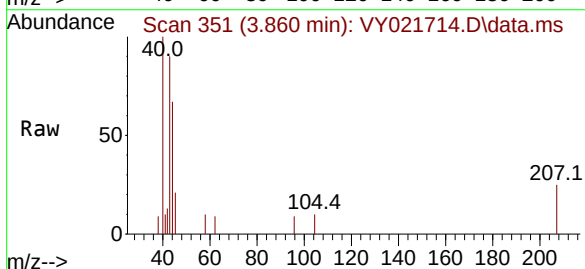
Instrument :
MSVOA_Y
ClientSampleId :
72-11998RE

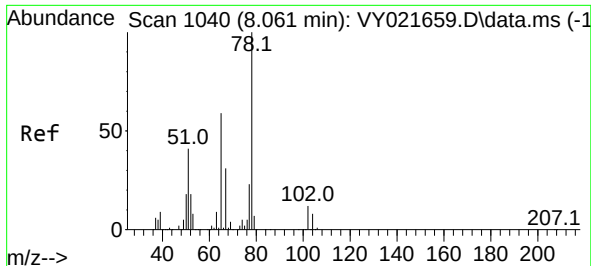
Tgt Ion:168 Resp: 116458
Ion Ratio Lower Upper
168 100
99 58.7 46.7 70.1



#16
Acetone
Concen: 4.585 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021714.D
Acq: 31 Mar 2025 13:04

Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
58 11.0 24.2 36.4#

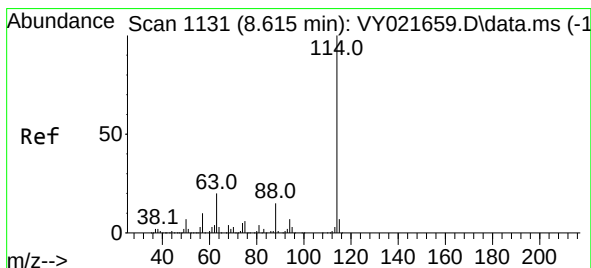
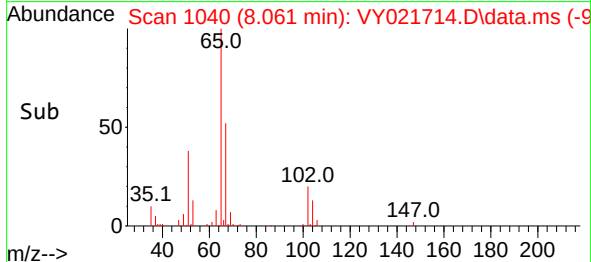
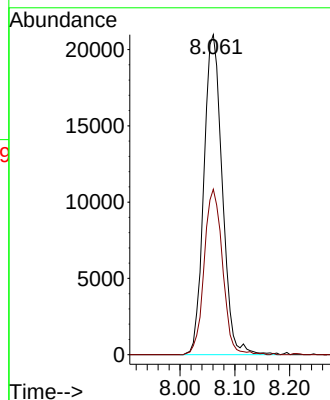
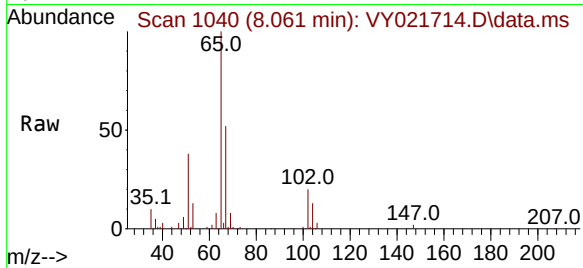




#33
1,2-Dichloroethane-d4
Concen: 38.713 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021714.D
Acq: 31 Mar 2025 13:04

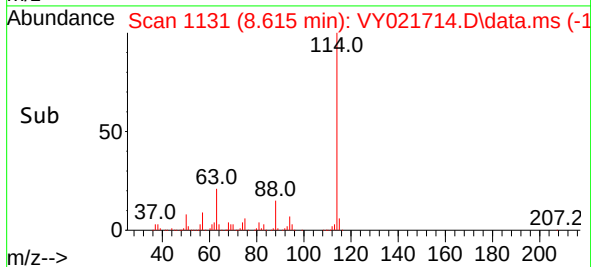
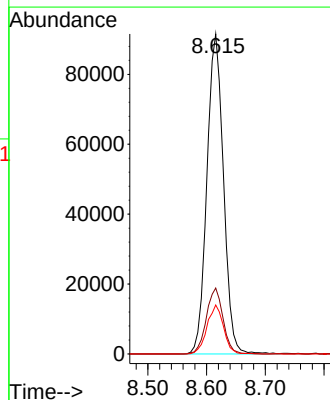
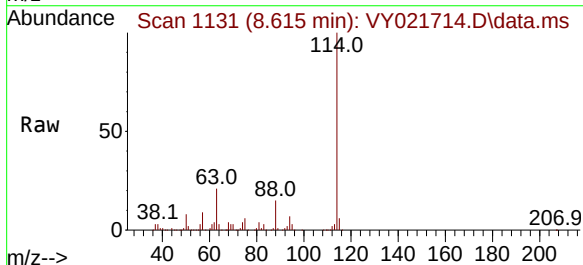
Instrument :
MSVOA_Y
ClientSampleId :
72-11998RE

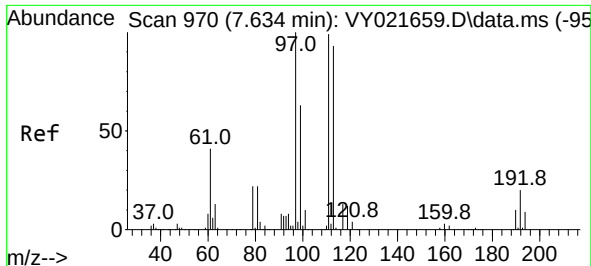
Tgt Ion: 65 Resp: 48847
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021714.D
Acq: 31 Mar 2025 13:04

Tgt Ion: 114 Resp: 179259
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.2
88 15.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.879 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021714.D

Acq: 31 Mar 2025 13:04

Instrument :

MSVOA_Y

ClientSampleId :

72-11998RE

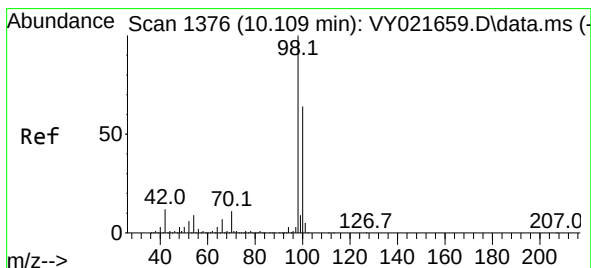
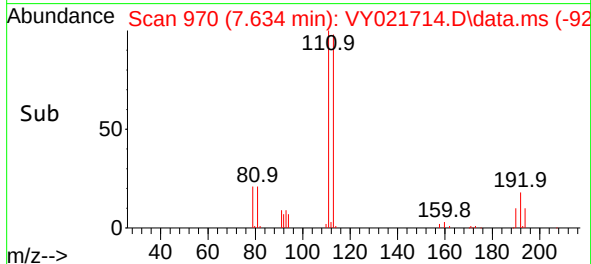
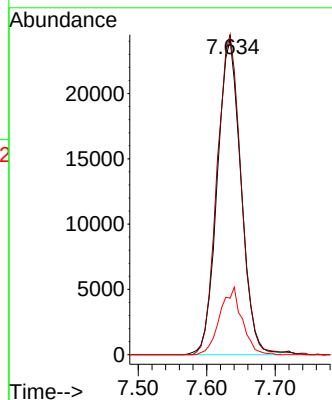
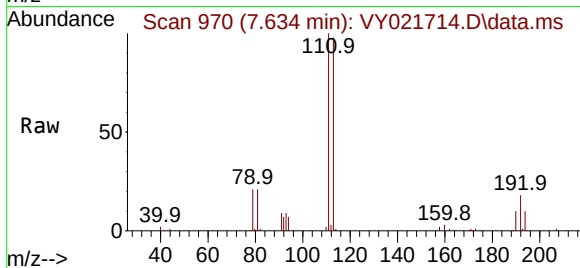
Tgt Ion:113 Resp: 58000

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 20.1 16.2 24.4



#50

Toluene-d8

Concen: 47.170 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021714.D

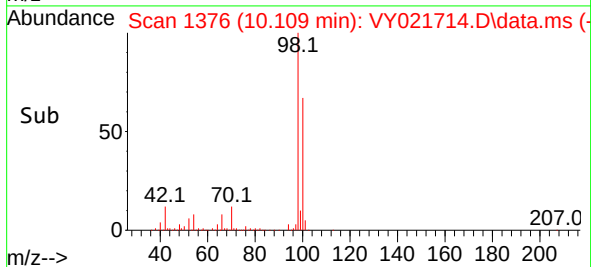
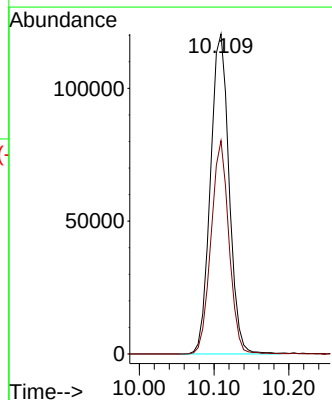
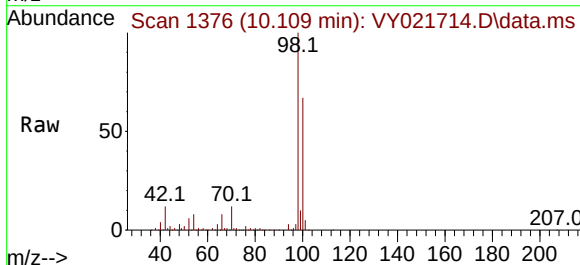
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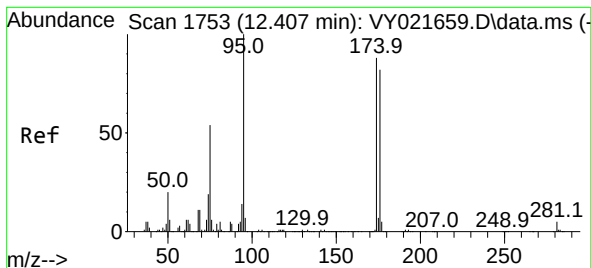
Tgt Ion: 98 Resp: 208669

Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1

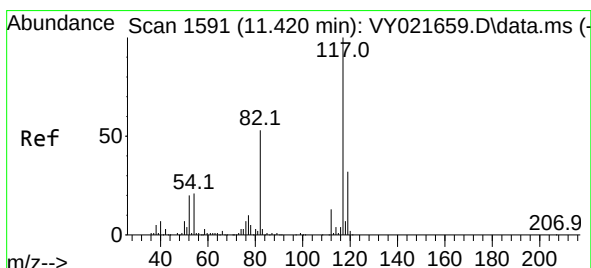
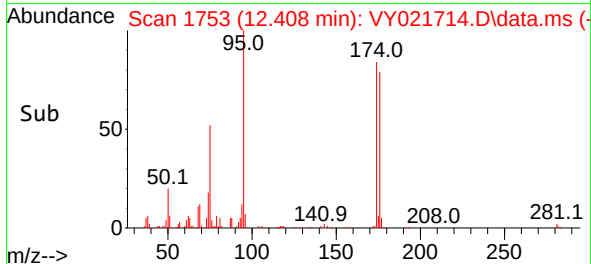
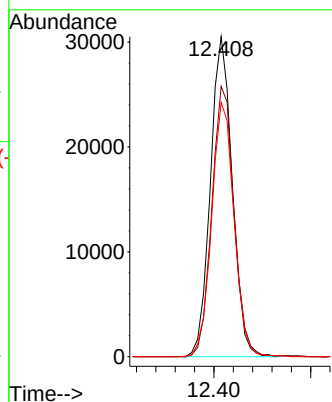
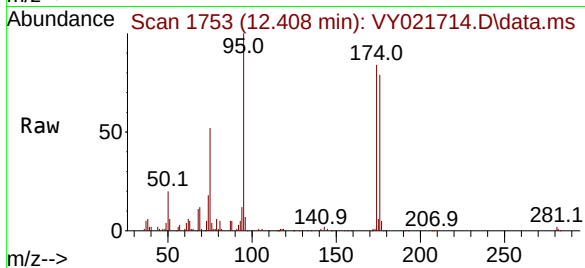




#62
4-Bromofluorobenzene
Concen: 32.000 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021714.D
Acq: 31 Mar 2025 13:04

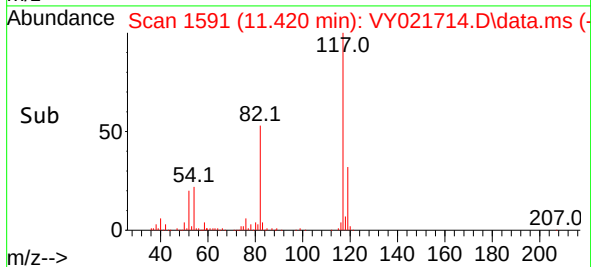
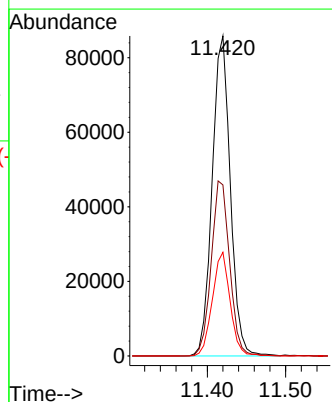
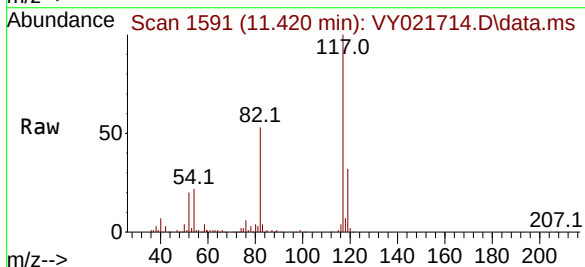
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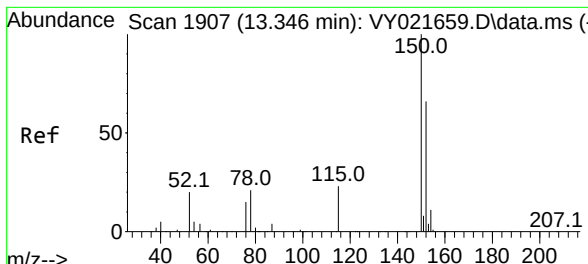
Tgt Ion: 95 Resp: 47882
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.8
176 81.5 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021714.D
Acq: 31 Mar 2025 13:04

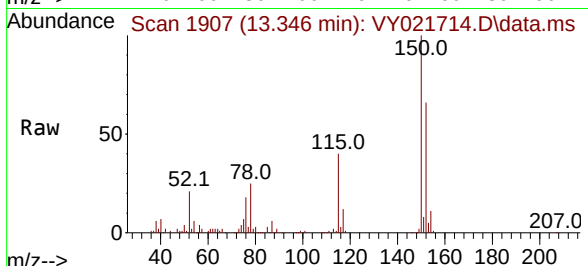
Tgt Ion: 117 Resp: 138174
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.4 25.7 38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021714.D
 Acq: 31 Mar 2025 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11998RE



Tgt Ion:	152	Resp:	43525
Ion Ratio	Lower	Upper	
152	100		
115	58.5	28.8	86.5
150	151.5	0.0	348.4

