

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042425\
 Data File : VY021991.D
 Acq On : 24 Apr 2025 10:38
 Operator : SY/MD
 Sample : Q1855-01
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2001

Quant Time: Apr 25 01:23:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

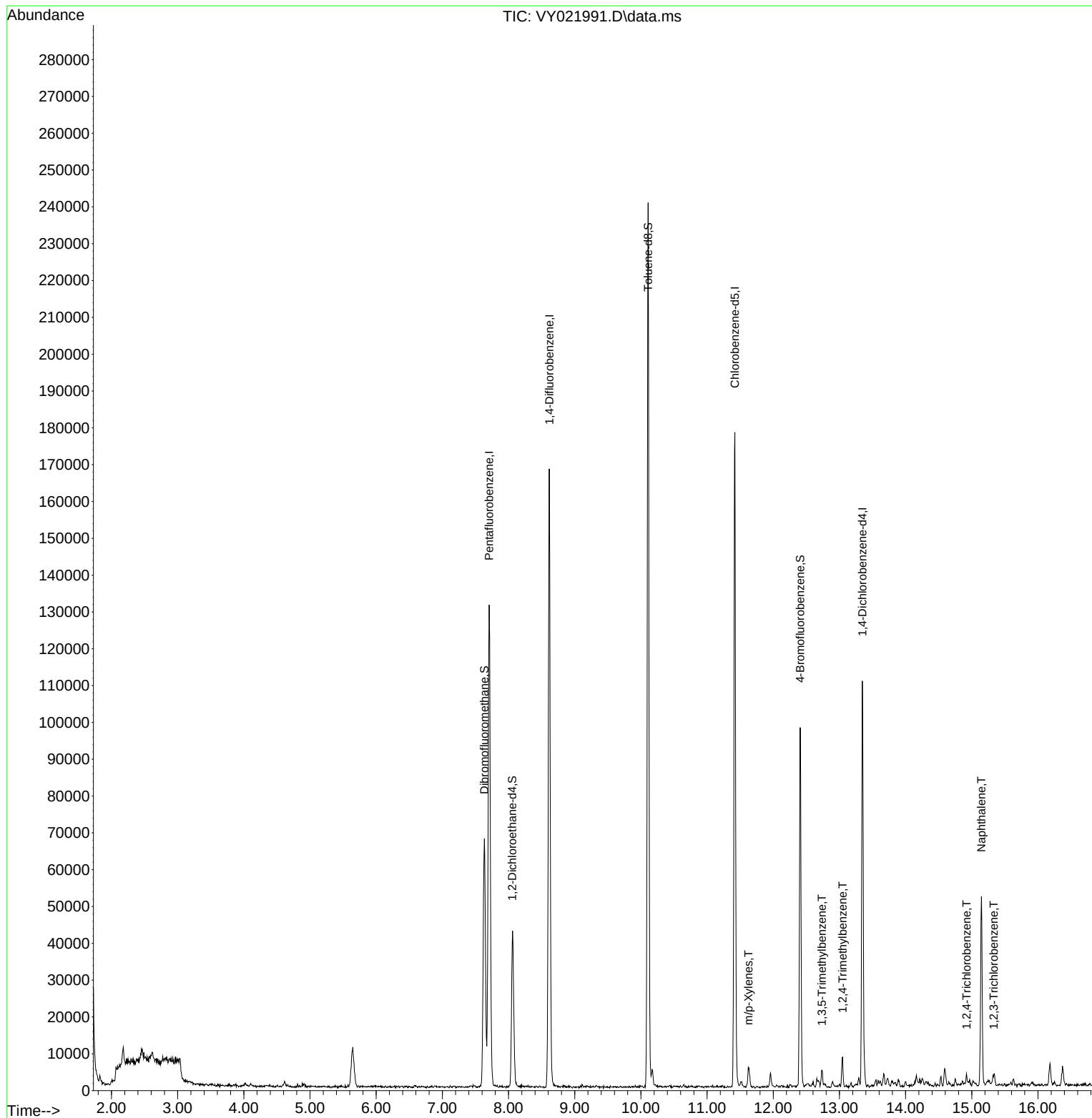
Internal Standards						
1) Pentafluorobenzene	7.707	168	102265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	144413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	102130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	28798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	33815	35.798	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.600%
35) Dibromofluoromethane	7.634	113	48252	50.575	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.140%
50) Toluene-d8	10.109	98	163005	45.319	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.640%
62) 4-Bromofluorobenzene	12.408	95	30583	25.258	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	50.520%
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.627	106	1754	1.180	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	1690	1.066	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	3827	2.414	ug/l	85
93) 1,2,4-Trichlorobenzene	14.919	180	807	1.654	ug/l #	81
95) Naphthalene	15.145	128	40952	50.514	ug/l	97
96) 1,2,3-Trichlorobenzene	15.334	180	942	2.236	ug/l	88

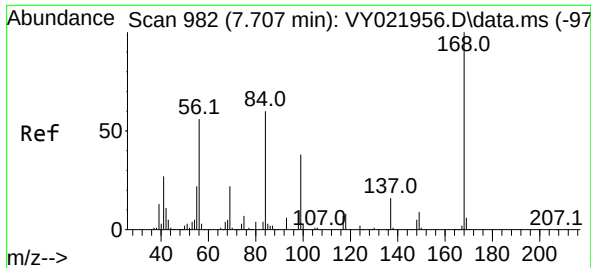
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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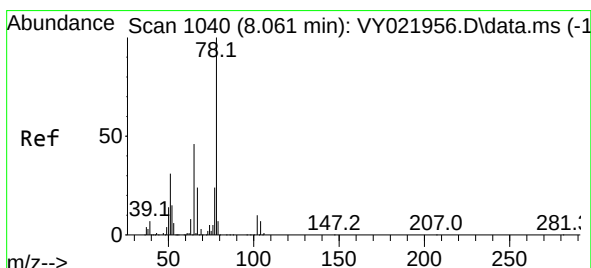
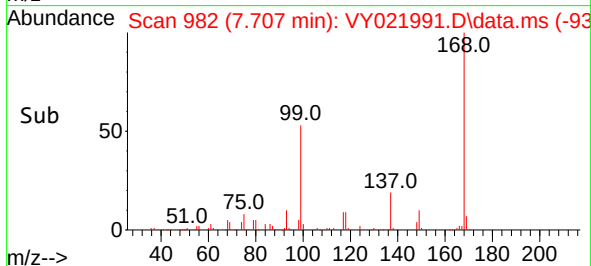
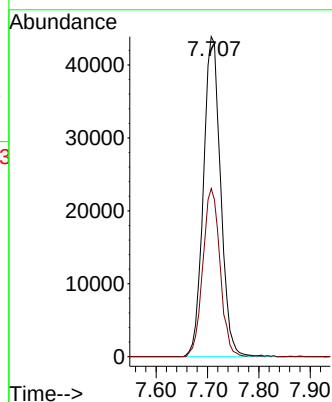
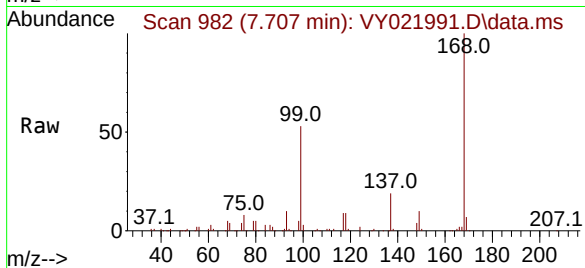




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

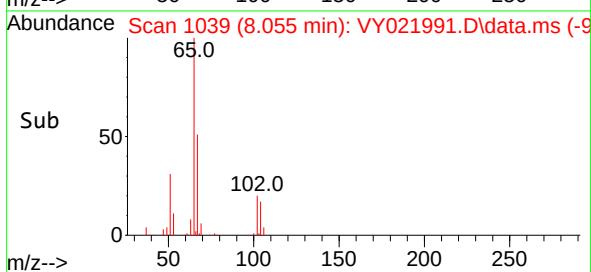
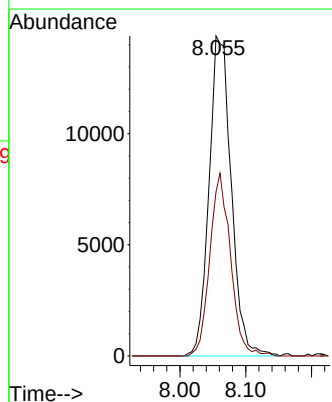
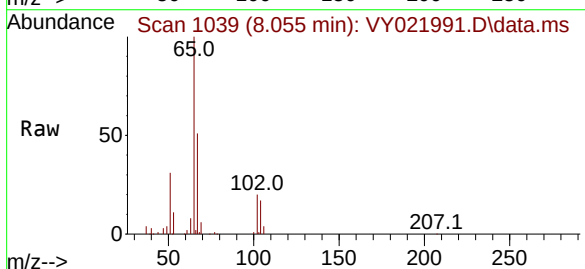
Instrument :
MSVOA_Y
ClientSampleId :
2001

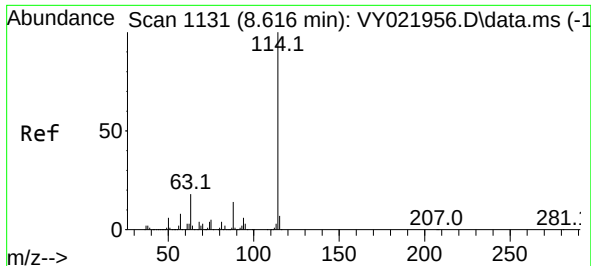
Tgt Ion:168 Resp: 102265
Ion Ratio Lower Upper
168 100
99 52.5 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 35.798 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

Tgt Ion: 65 Resp: 33815
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021991.D

Acq: 24 Apr 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

2001

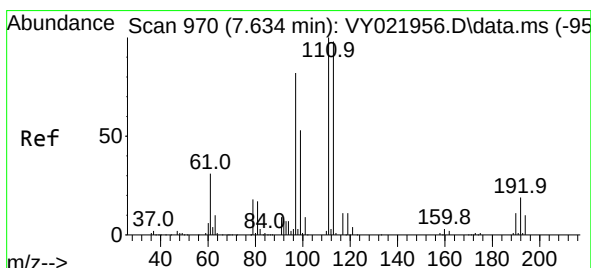
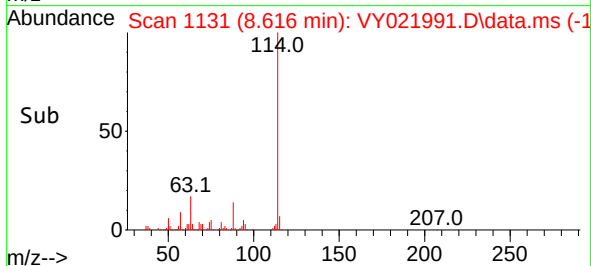
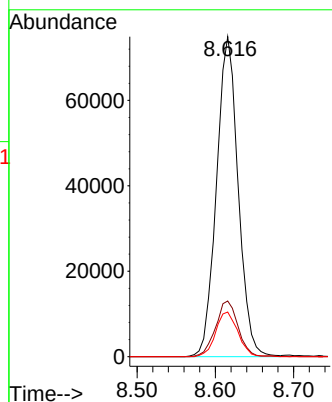
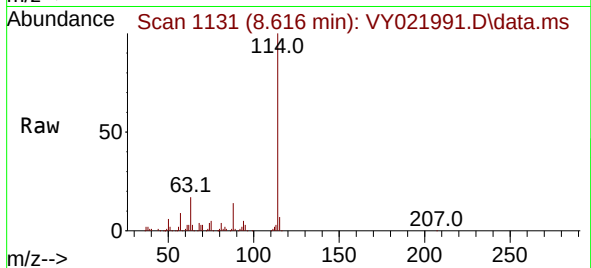
Tgt Ion:114 Resp: 144413

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 14.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.575 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021991.D

Acq: 24 Apr 2025 10:38

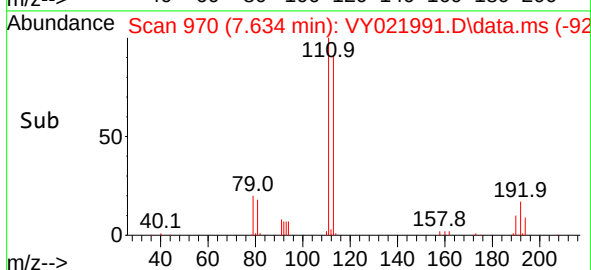
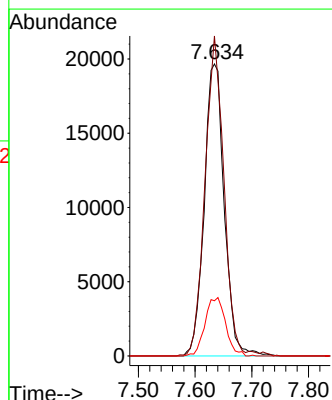
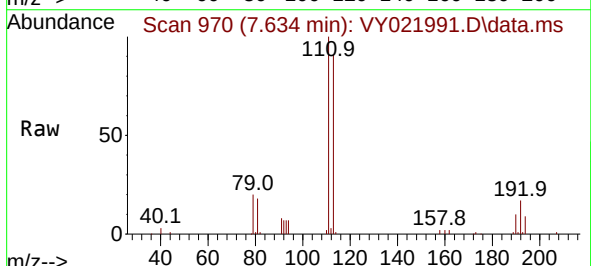
Tgt Ion:113 Resp: 48252

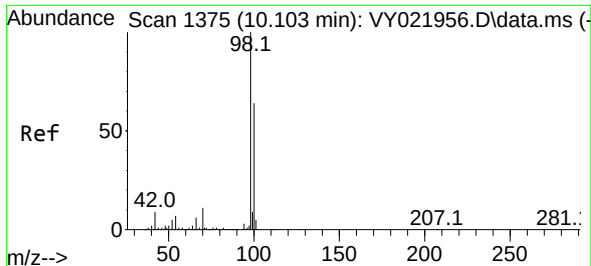
Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

192 20.5 15.6 23.4

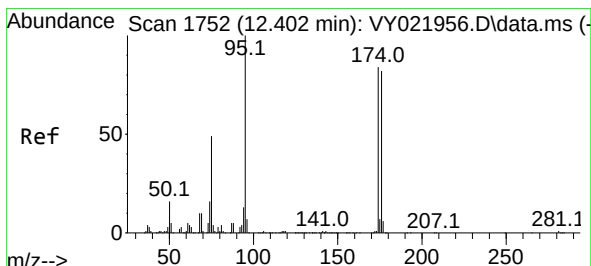
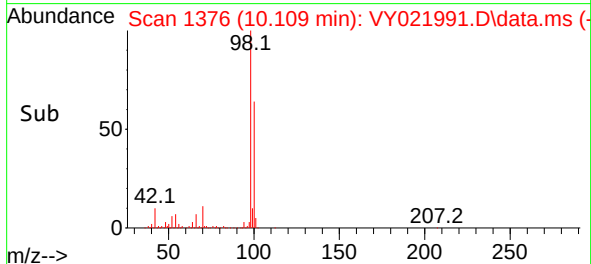
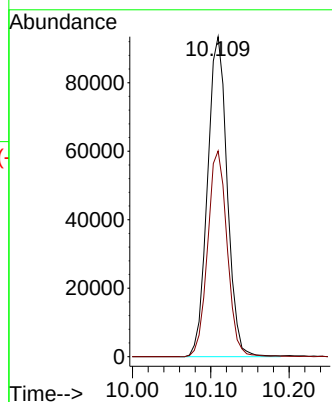
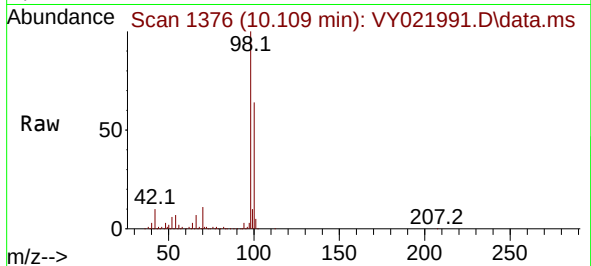




#50
Toluene-d8
Concen: 45.319 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

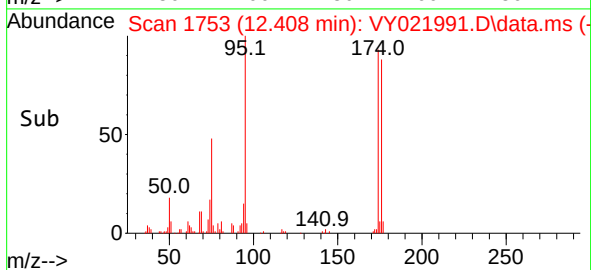
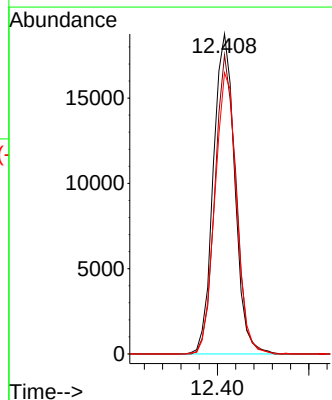
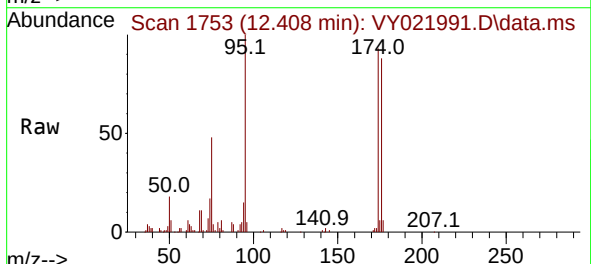
Instrument :
MSVOA_Y
ClientSampleId :
2001

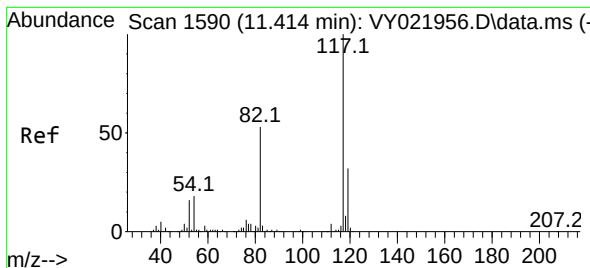
Tgt Ion: 98 Resp: 163005
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 25.258 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021991.D
Acq: 24 Apr 2025 10:38

Tgt Ion: 95 Resp: 30583
Ion Ratio Lower Upper
95 100
174 91.9 0.0 179.0
176 89.0 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY021991.D

Acq: 24 Apr 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

2001

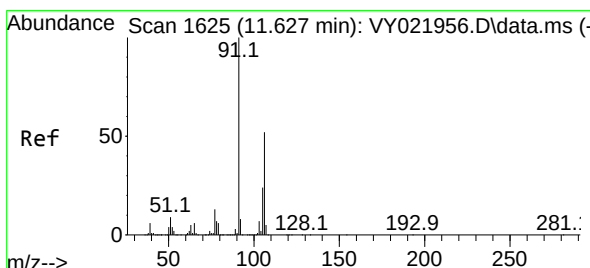
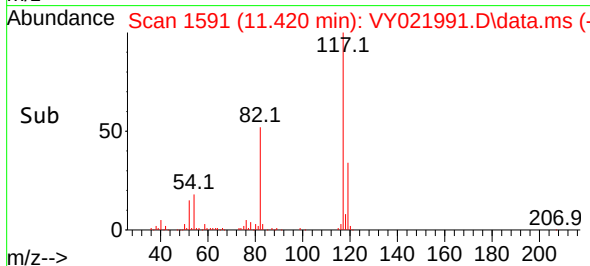
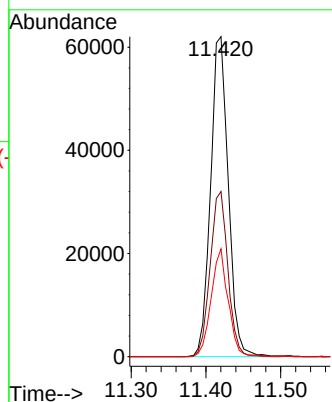
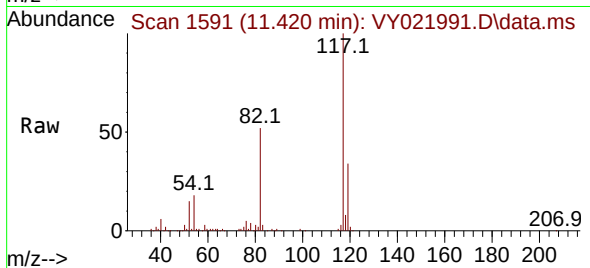
Tgt Ion:117 Resp: 102130

Ion Ratio Lower Upper

117 100

82 51.6 42.1 63.1

119 33.7 25.7 38.5



#68

m/p-Xylenes

Concen: 1.180 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY021991.D

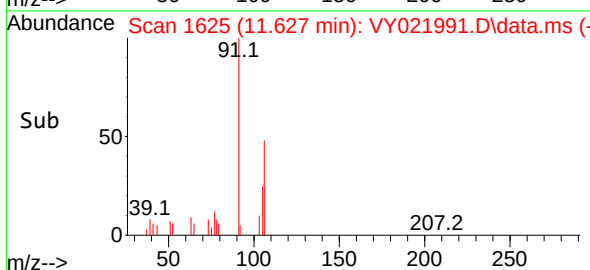
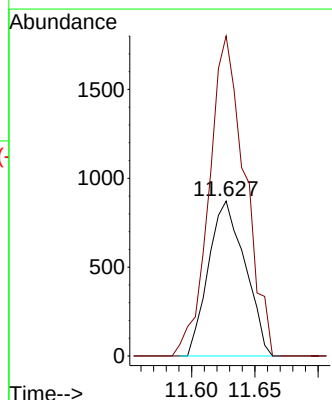
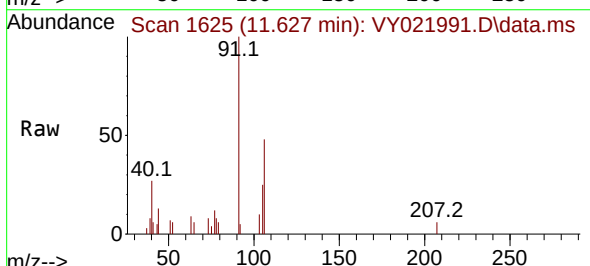
Acq: 24 Apr 2025 10:38

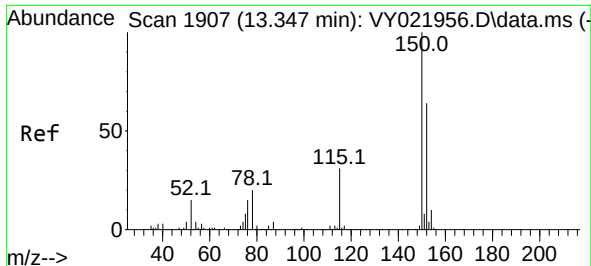
Tgt Ion:106 Resp: 1754

Ion Ratio Lower Upper

106 100

91 202.3 156.2 234.2

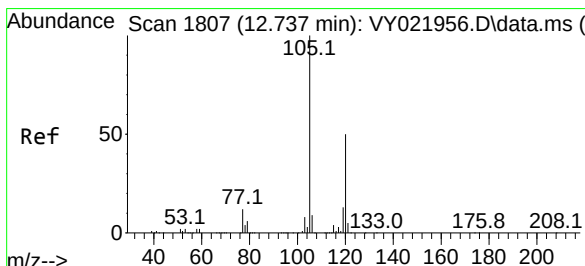
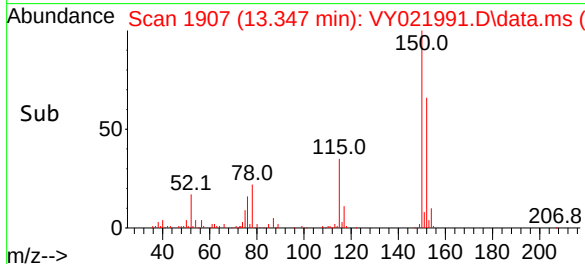
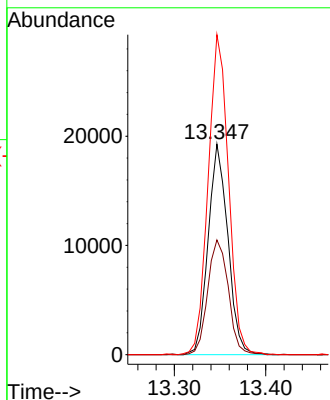
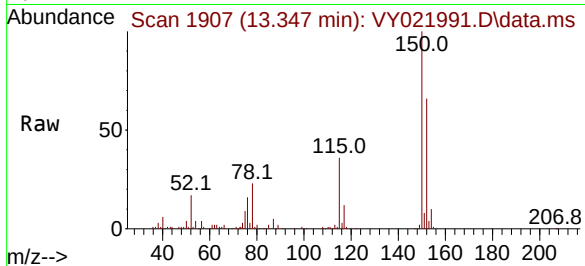




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY021991.D
 Acq: 24 Apr 2025 10:38

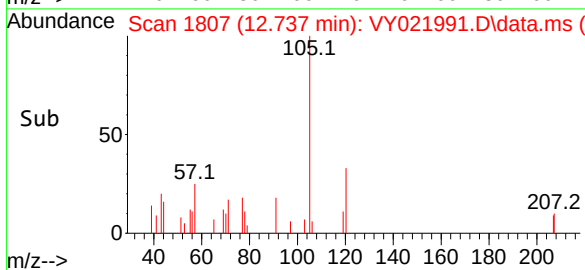
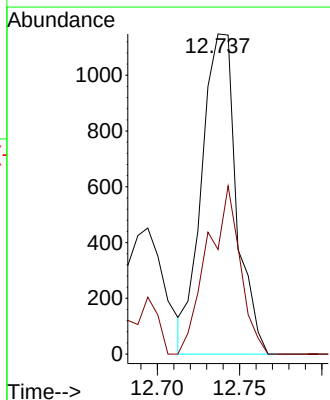
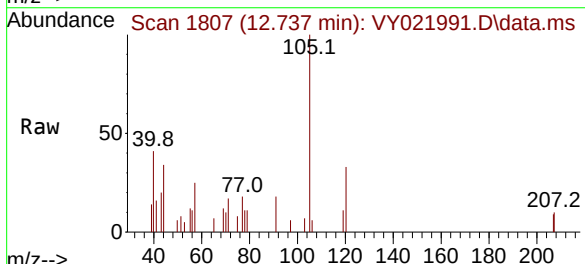
Instrument :
 MSVOA_Y
 ClientSampleId :
 2001

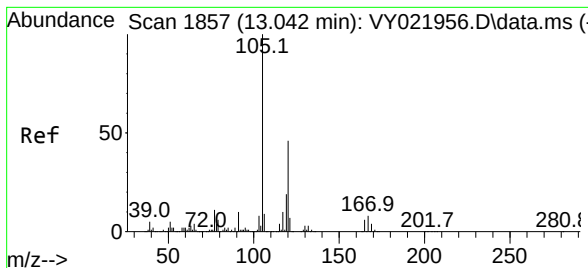
Tgt Ion:152 Resp: 28798
 Ion Ratio Lower Upper
 152 100
 115 57.0 28.0 84.0
 150 157.1 0.0 345.6



#80
 1,3,5-Trimethylbenzene
 Concen: 1.066 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: VY021991.D
 Acq: 24 Apr 2025 10:38

Tgt Ion:105 Resp: 1690
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.0 75.0





#84

1,2,4-Trimethylbenzene

Concen: 2.414 ug/l

RT: 13.048 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021991.D

Acq: 24 Apr 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

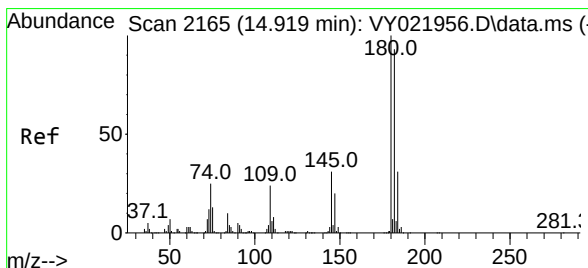
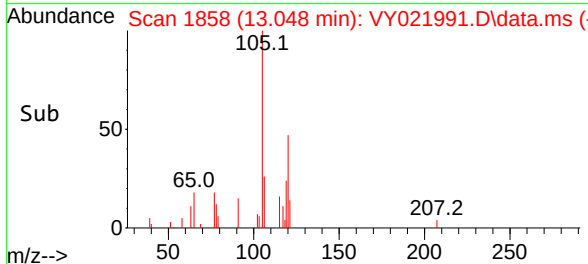
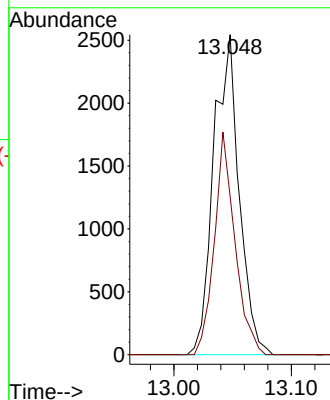
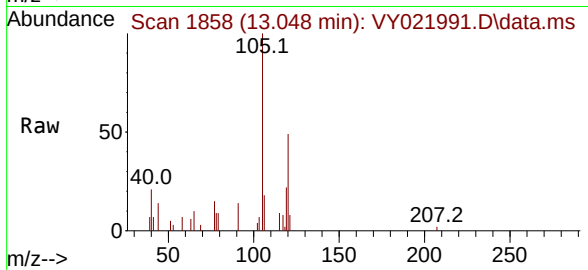
2001

Tgt Ion:105 Resp: 3827

Ion Ratio Lower Upper

105 100

120 56.4 23.4 70.0



#93

1,2,4-Trichlorobenzene

Concen: 1.654 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY021991.D

Acq: 24 Apr 2025 10:38

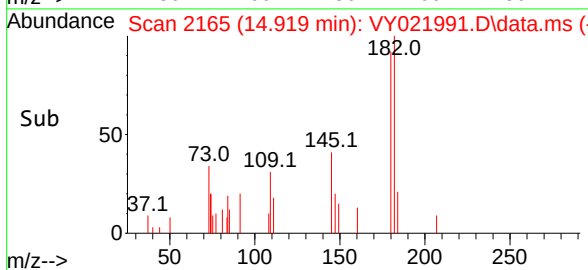
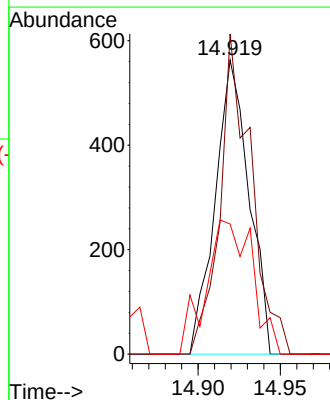
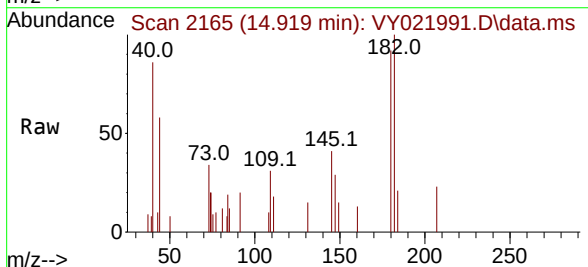
Tgt Ion:180 Resp: 807

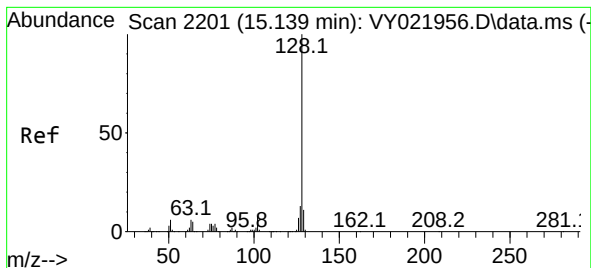
Ion Ratio Lower Upper

180 100

182 100.2 47.1 141.4

145 62.3 15.0 45.0#





#95

Naphthalene

Concen: 50.514 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY021991.D

Acq: 24 Apr 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

2001

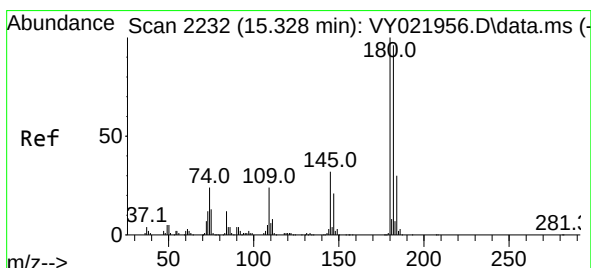
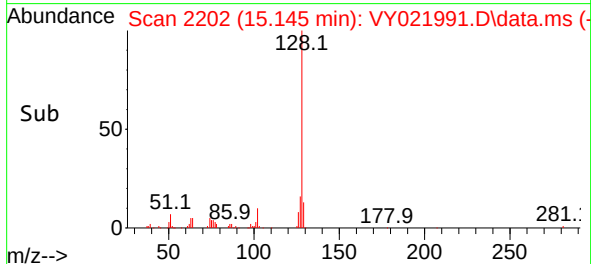
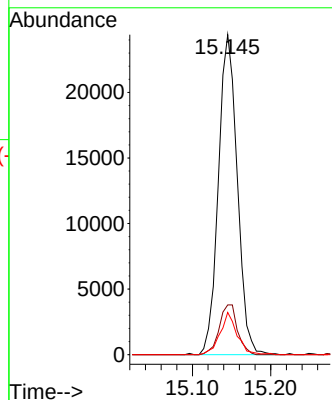
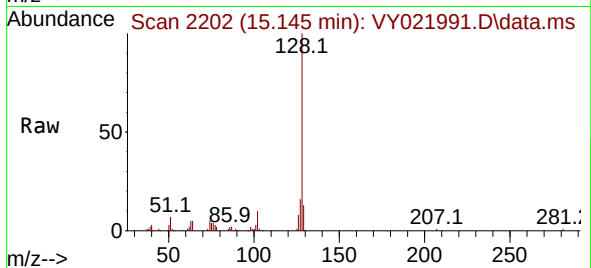
Tgt Ion:128 Resp: 40952

Ion Ratio Lower Upper

128 100

127 15.1 10.6 16.0

129 11.9 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 2.236 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY021991.D

Acq: 24 Apr 2025 10:38

Tgt Ion:180 Resp: 942

Ion Ratio Lower Upper

180 100

182 106.4 48.1 144.4

145 41.6 16.0 48.0

