

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022086.D
 Acq On : 30 Apr 2025 16:42
 Operator : SY/MD
 Sample : Q1901-01
 Misc : 6.67g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-170-SB00

Quant Time: May 01 01:38:05 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)

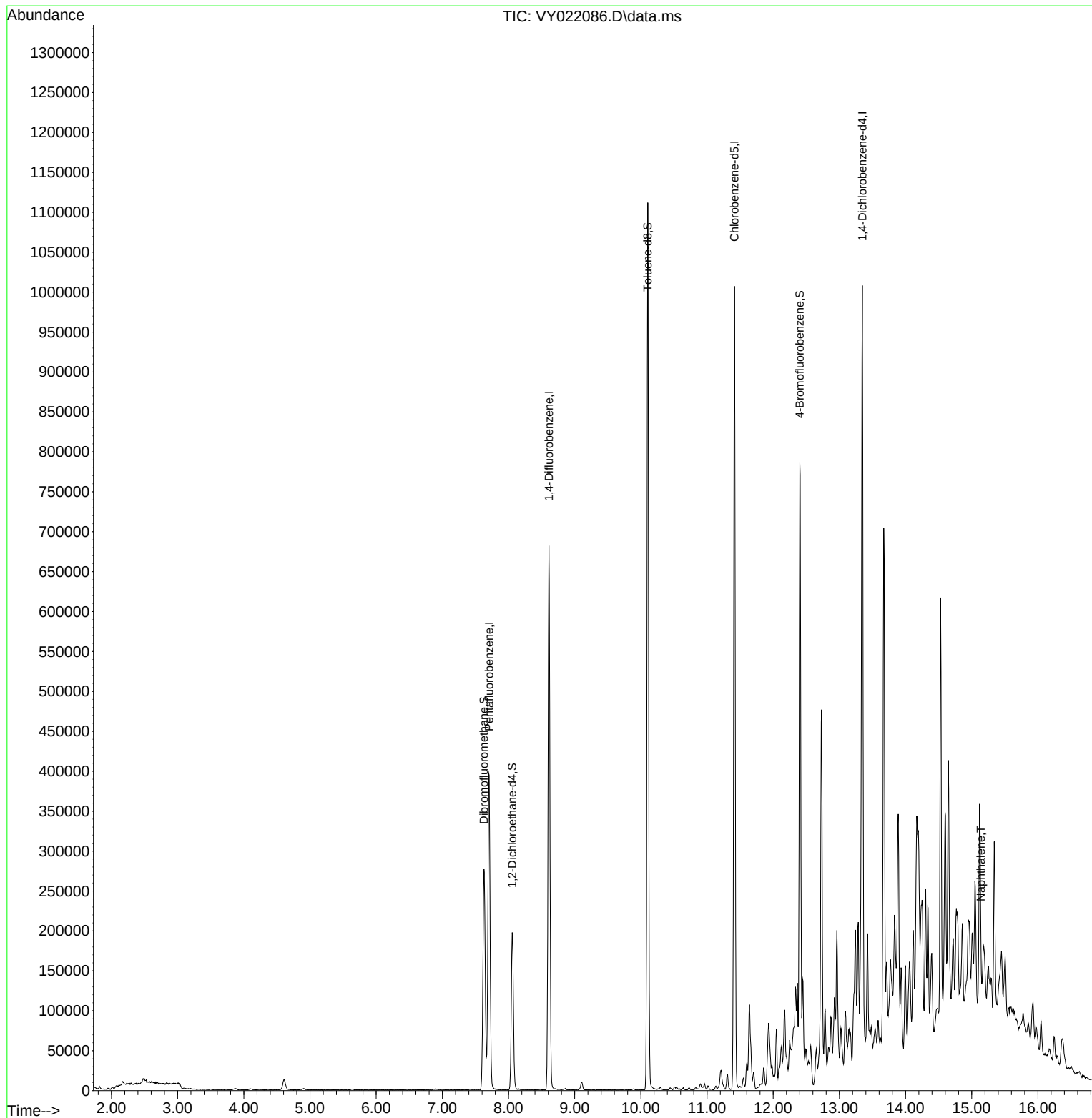
Internal Standards						
1) Pentafluorobenzene	7.707	168	314687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	598350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	545344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	231898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	156877	53.971	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.940%
35) Dibromofluoromethane	7.628	113	201431	50.956	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.920%
50) Toluene-d8	10.103	98	719534	48.282	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.560%
62) 4-Bromofluorobenzene	12.401	95	235187	46.879	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.760%
Target Compounds						
						Qvalue
95) Naphthalene	15.139	128	24453	3.746	ug/l #	89

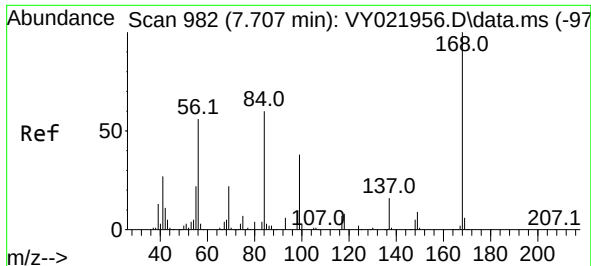
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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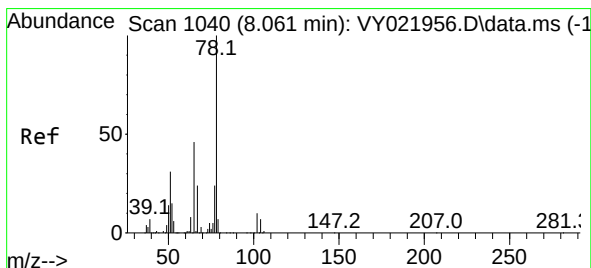
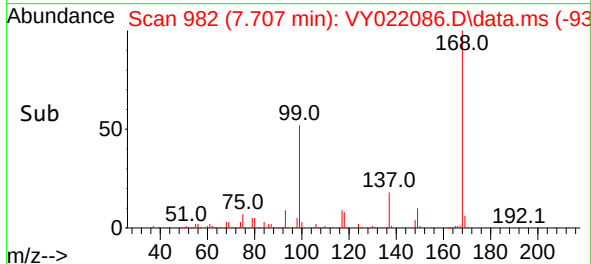
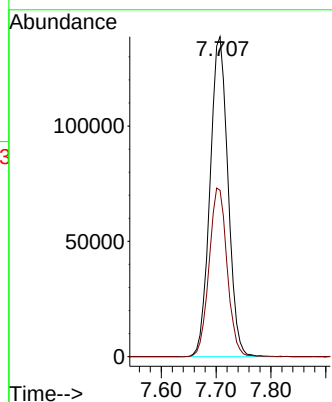
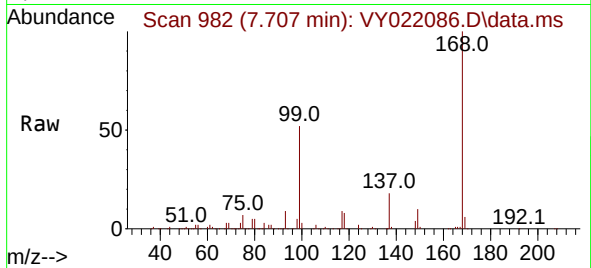




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022086.D
Acq: 30 Apr 2025 16:42

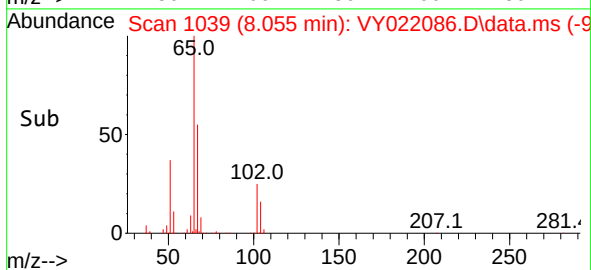
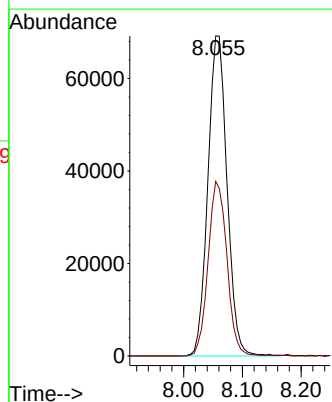
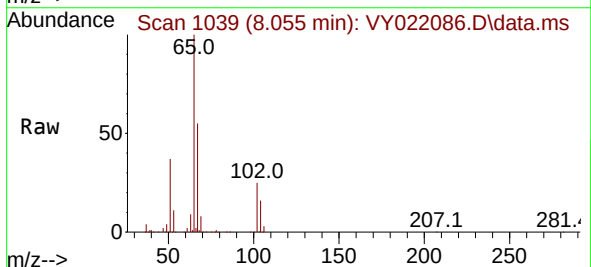
Instrument :
MSVOA_Y
ClientSampleId :
B-170-SB00

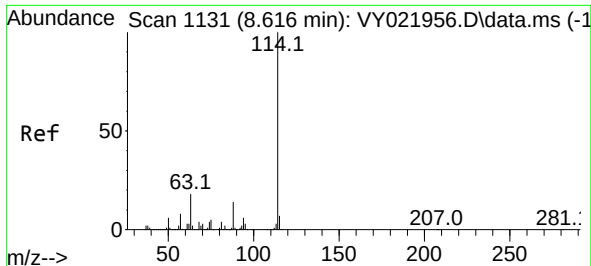
Tgt Ion:168 Resp: 314687
Ion Ratio Lower Upper
168 100
99 52.0 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 53.971 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022086.D
Acq: 30 Apr 2025 16:42

Tgt Ion: 65 Resp: 156877
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022086.D

Acq: 30 Apr 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

B-170-SB00

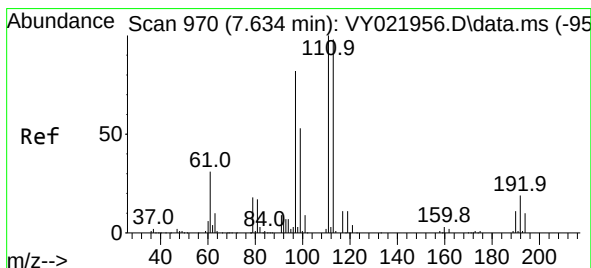
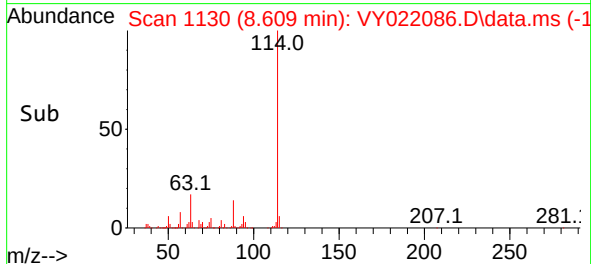
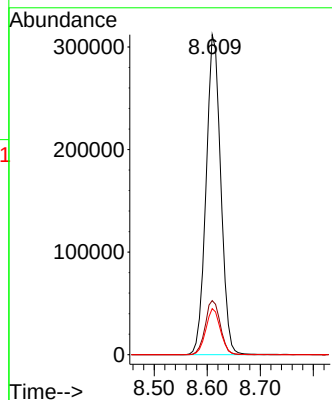
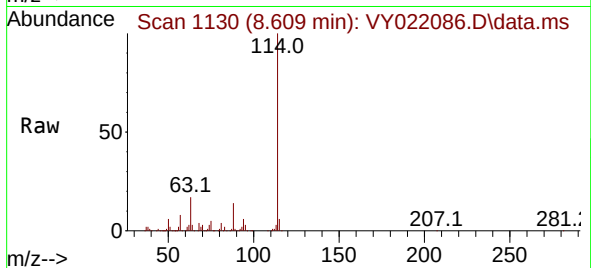
Tgt Ion:114 Resp: 598350

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.956 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022086.D

Acq: 30 Apr 2025 16:42

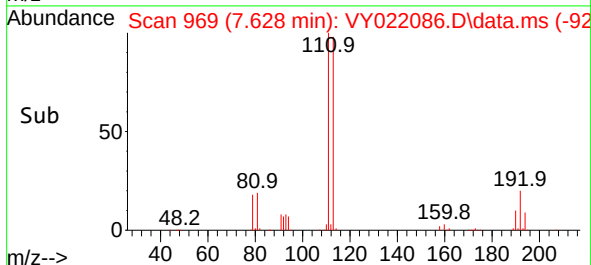
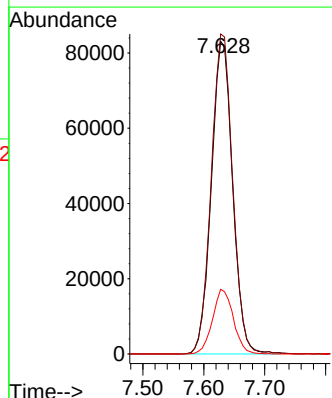
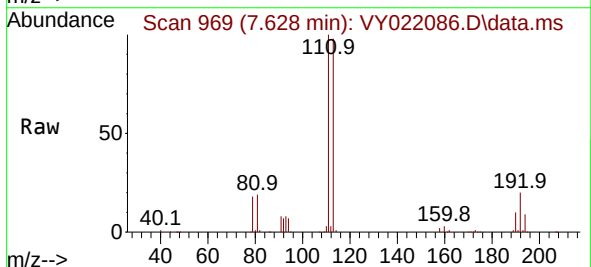
Tgt Ion:113 Resp: 201431

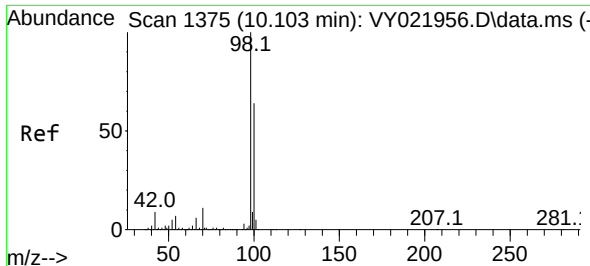
Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

192 20.2 15.6 23.4

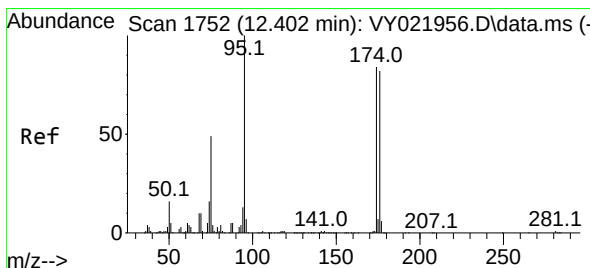
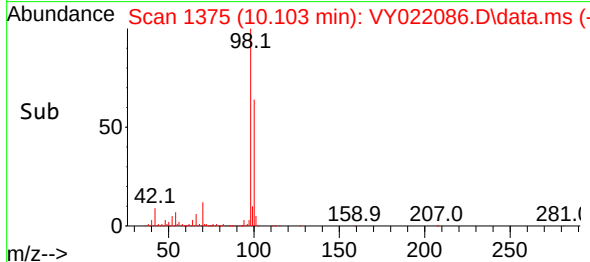
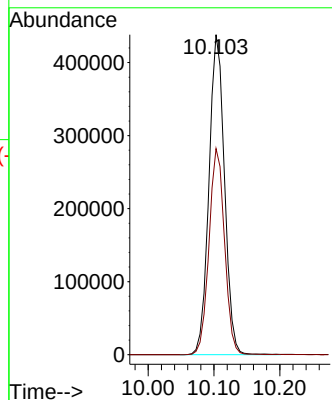
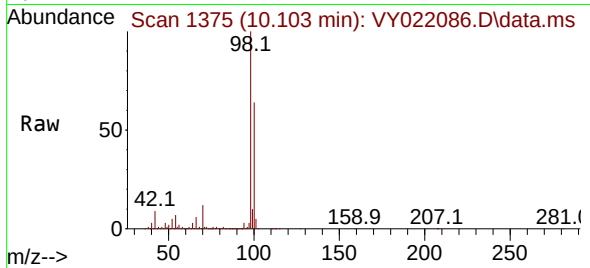




#50
Toluene-d8
Concen: 48.282 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022086.D
Acq: 30 Apr 2025 16:42

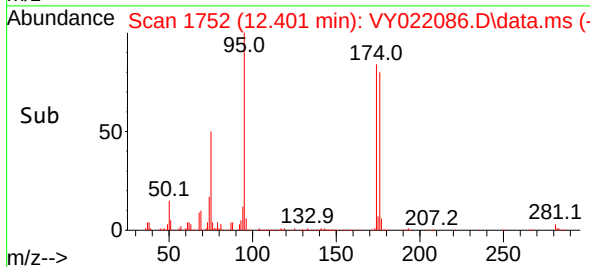
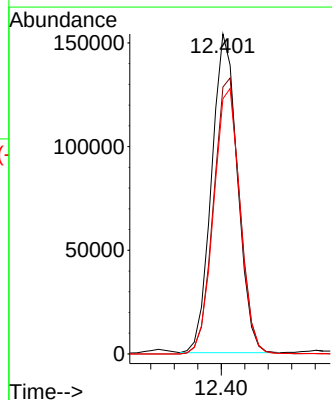
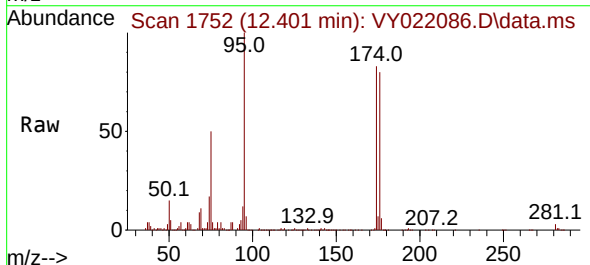
Instrument :
MSVOA_Y
ClientSampleId :
B-170-SB00

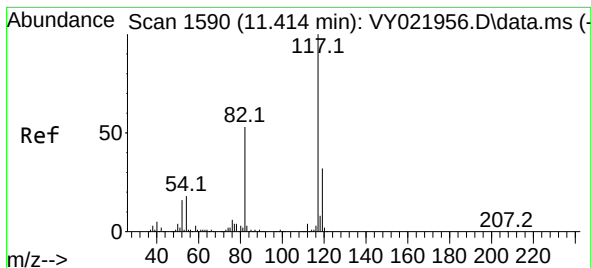
Tgt Ion: 98 Resp: 719534
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.879 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022086.D
Acq: 30 Apr 2025 16:42

Tgt Ion: 95 Resp: 235187
Ion Ratio Lower Upper
95 100
174 88.2 0.0 179.0
176 85.1 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022086.D

Acq: 30 Apr 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

B-170-SB00

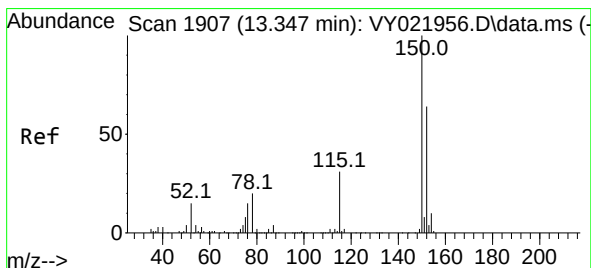
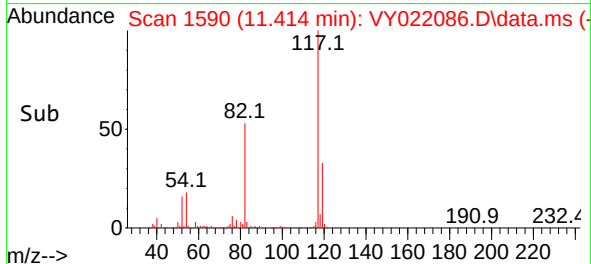
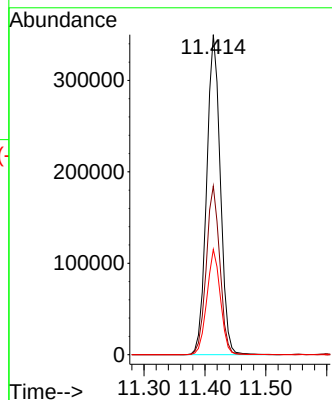
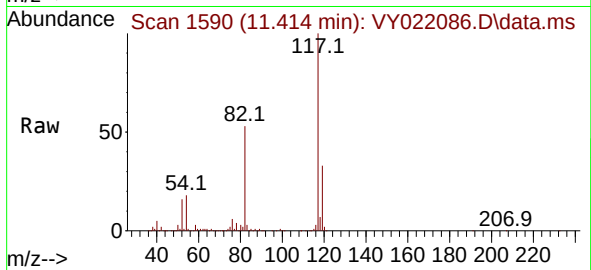
Tgt Ion:117 Resp: 545344

Ion Ratio Lower Upper

117 100

82 52.7 42.1 63.1

119 32.9 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: VY022086.D

Acq: 30 Apr 2025 16:42

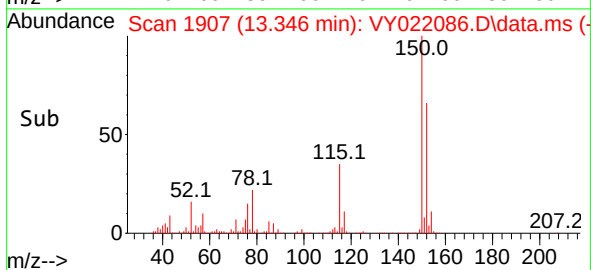
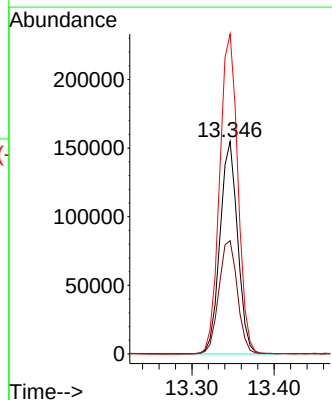
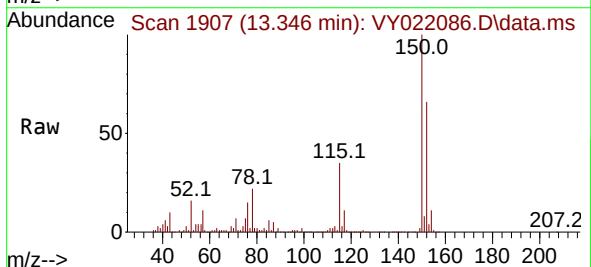
Tgt Ion:152 Resp: 231898

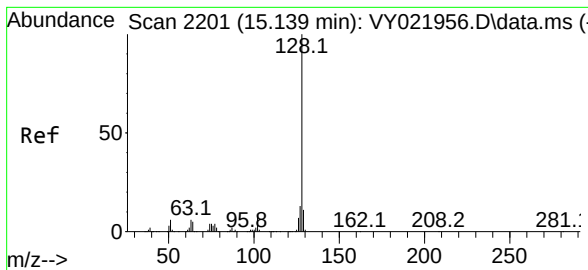
Ion Ratio Lower Upper

152 100

115 55.8 28.0 84.0

150 154.8 0.0 345.6





#95
 Naphthalene
 Concen: 3.746 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY022086.D
 Acq: 30 Apr 2025 16:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-170-SB00

Tgt Ion:	128	Resp:	24453
Ion	Ratio	Lower	Upper
128	100		
127	21.3	10.6	16.0#
129	11.2	8.9	13.3

