

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023180.D
 Acq On : 20 Aug 2025 16:55
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 21 01:41:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

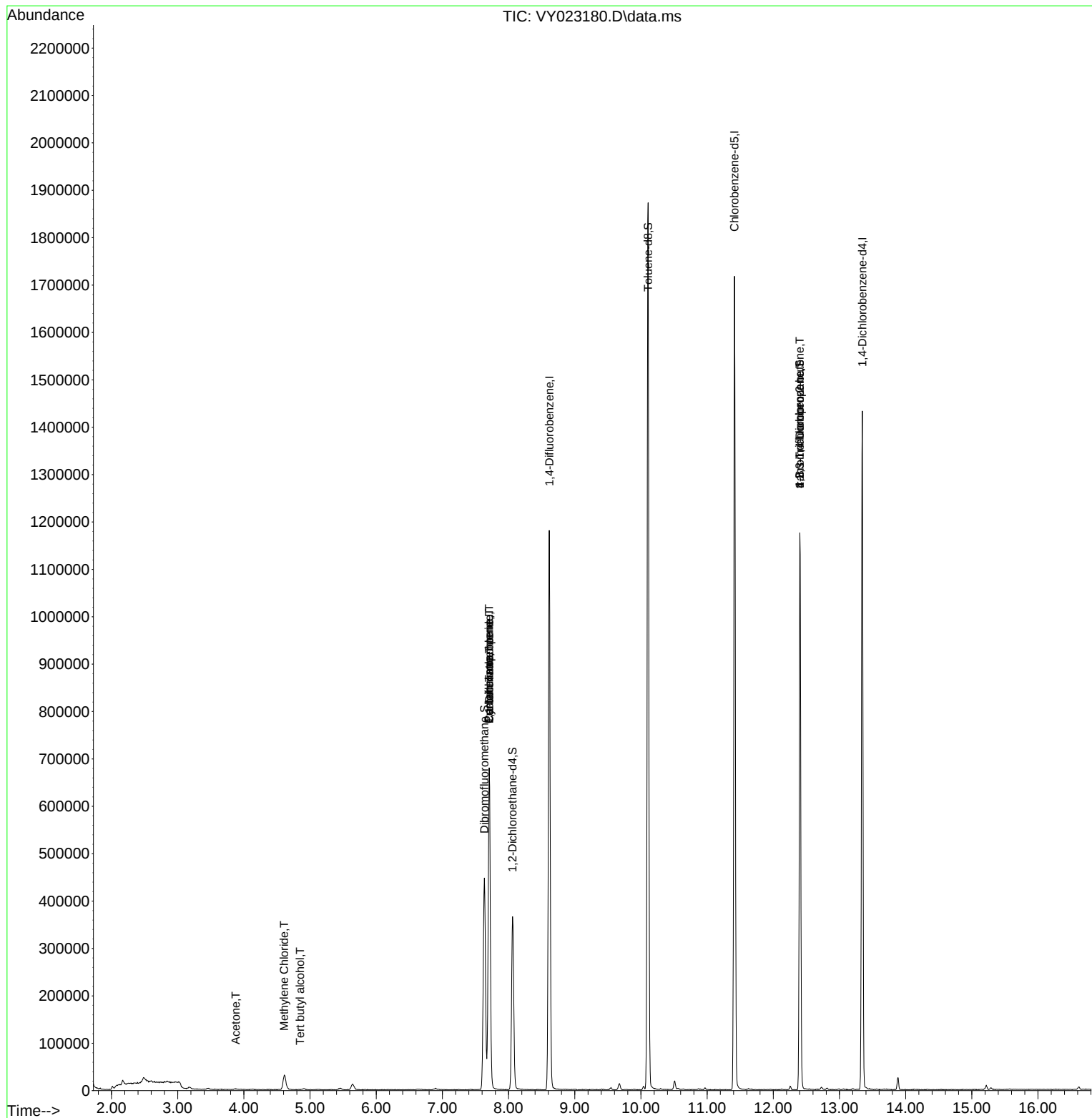
Internal Standards						
1) Pentafluorobenzene	7.707	168	516852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	995995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	900411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	360159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	289100	58.689	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.380%
35) Dibromofluoromethane	7.634	113	319995	53.693	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.380%
50) Toluene-d8	10.109	98	1214443	52.162	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.320%
62) 4-Bromofluorobenzene	12.401	95	349794	46.717	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.440%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	443	1.313	ug/l #	71
16) Acetone	3.878	43	2514	2.356	ug/l #	84
20) Methylene Chloride	4.610	84	23830	1.670	ug/l	97
31) Cyclohexane	7.707	56	11007	1.200	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	40653	4.590	ug/l #	50
38) Carbon Tetrachloride	7.707	117	50678	5.268	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	182054	52.376	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	182054	126.785	ug/l #	14

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

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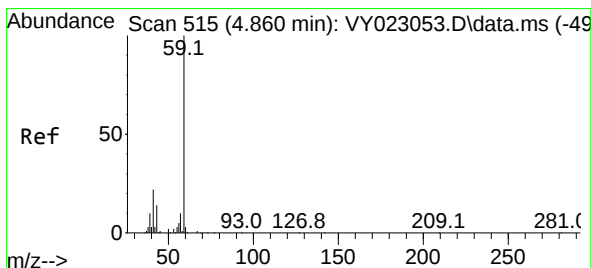
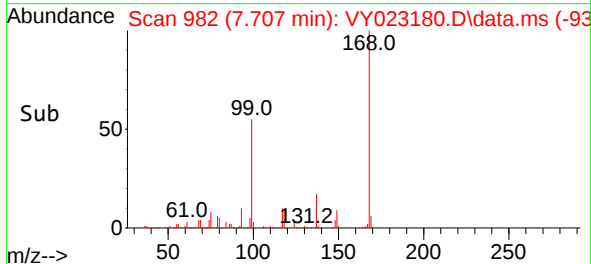
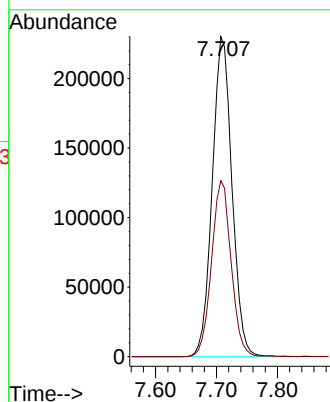
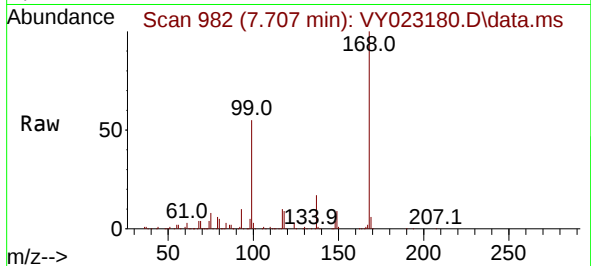




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

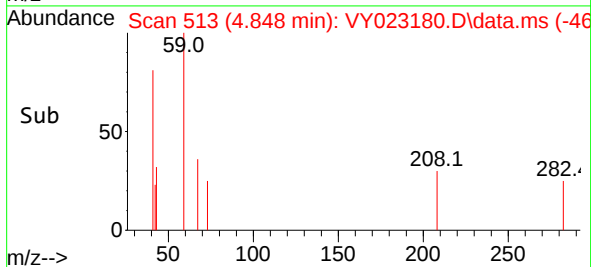
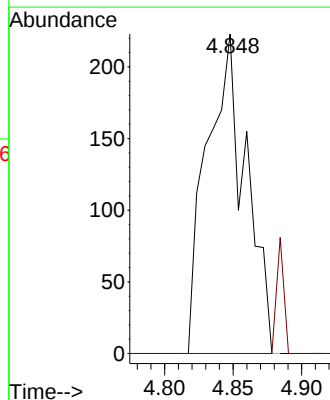
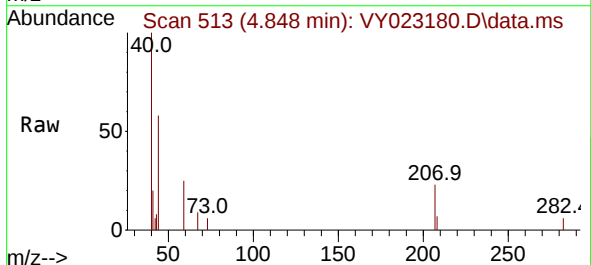
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

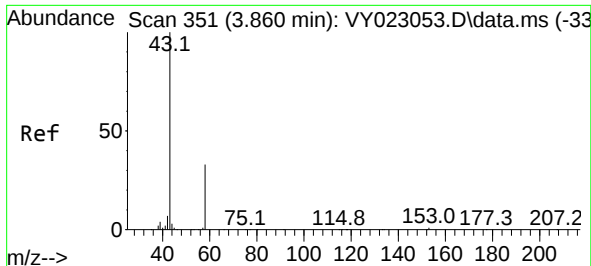
Tgt Ion:168 Resp: 516852
Ion Ratio Lower Upper
168 100
99 55.0 42.8 64.2



#11
Tert butyl alcohol
Concen: 1.313 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

Tgt Ion: 59 Resp: 443
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

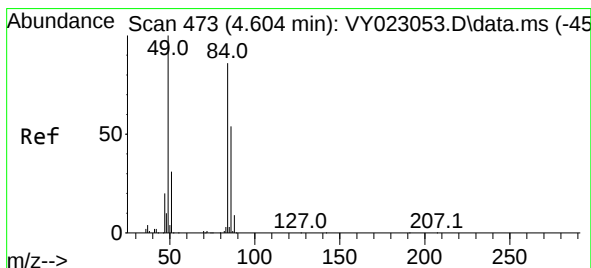
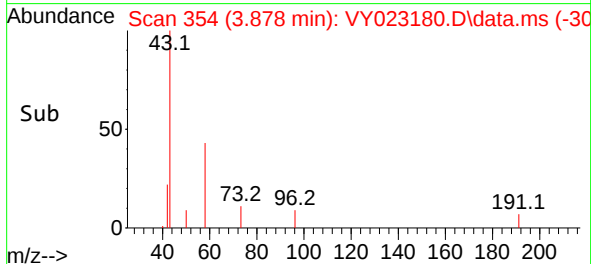
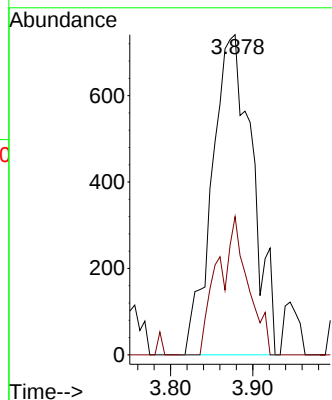
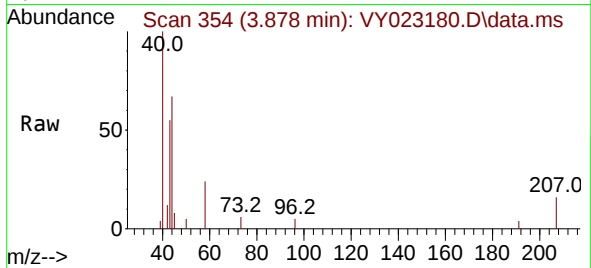




#16
Acetone
Concen: 2.356 ug/l
RT: 3.878 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

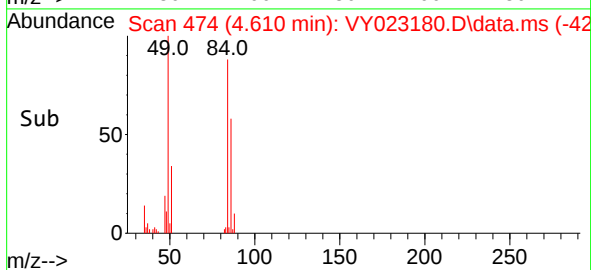
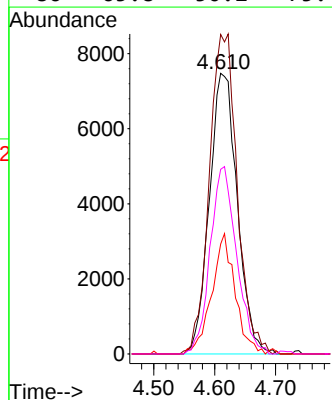
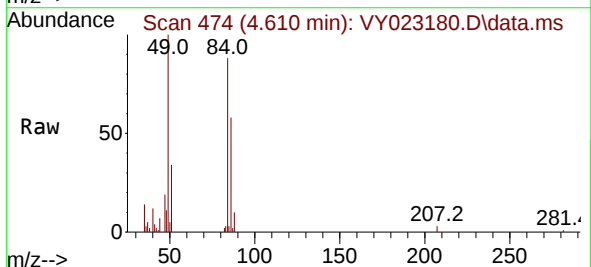
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

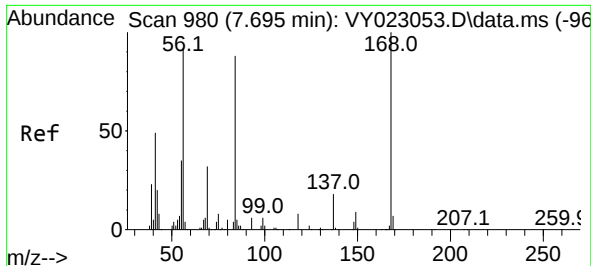
Tgt Ion: 43 Resp: 2514
Ion Ratio Lower Upper
43 100
58 43.2 27.1 40.7#



#20
Methylene Chloride
Concen: 1.670 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

Tgt Ion: 84 Resp: 23830
Ion Ratio Lower Upper
84 100
49 113.8 93.0 139.6
51 39.2 29.0 43.4
86 65.8 50.2 75.4

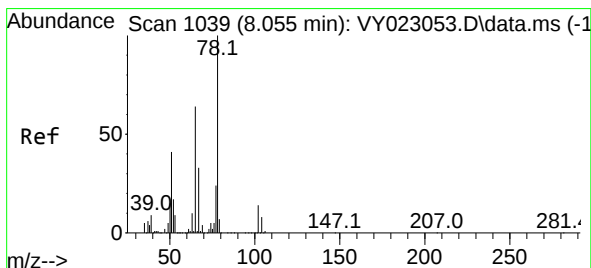
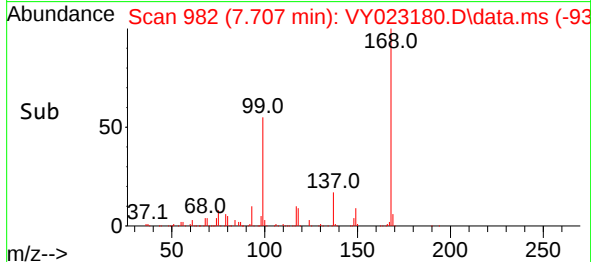
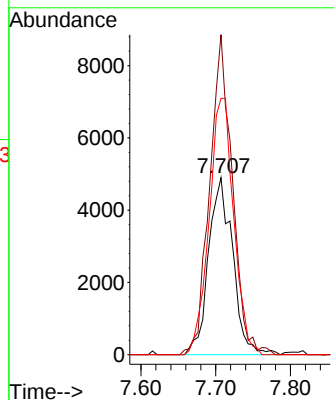
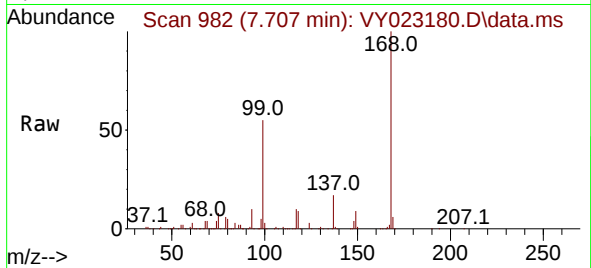




#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

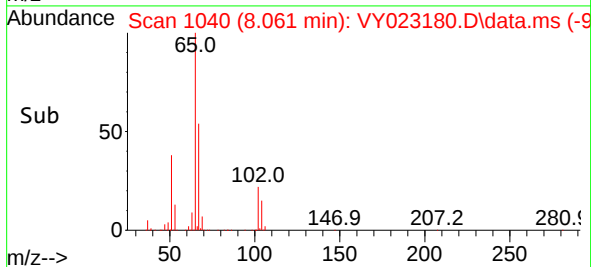
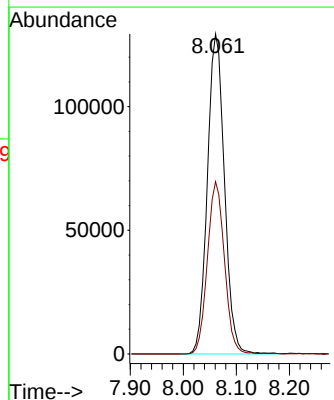
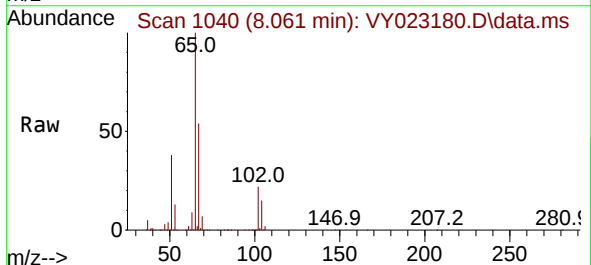
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

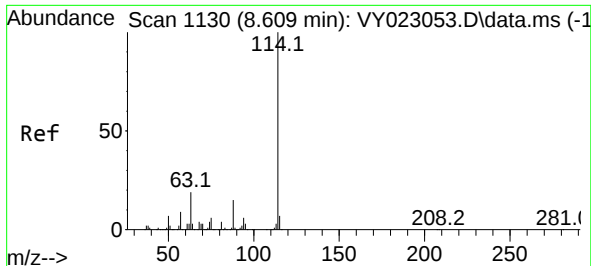
Tgt Ion: 56 Resp: 11007
Ion Ratio Lower Upper
56 100
69 180.9 28.2 42.2#
84 144.9 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 58.689 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

Tgt Ion: 65 Resp: 289100
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023180.D

Acq: 20 Aug 2025 16:55

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

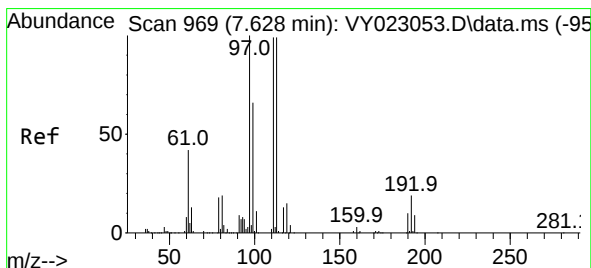
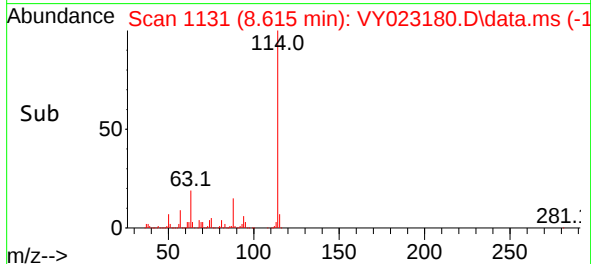
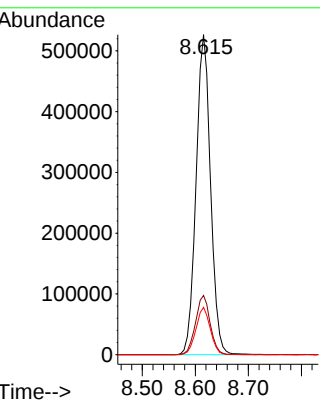
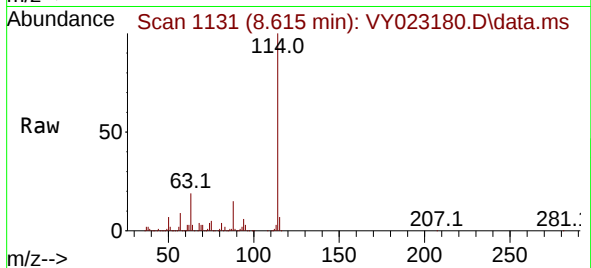
Tgt Ion:114 Resp: 995995

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 14.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.693 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023180.D

Acq: 20 Aug 2025 16:55

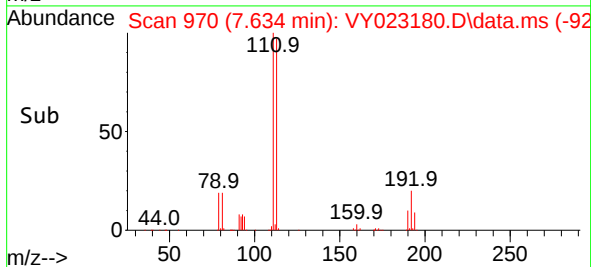
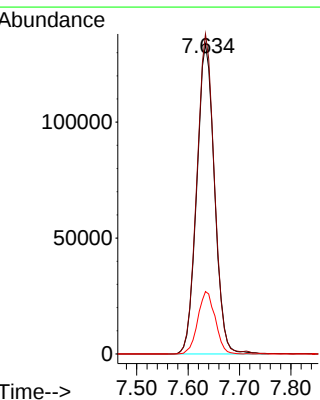
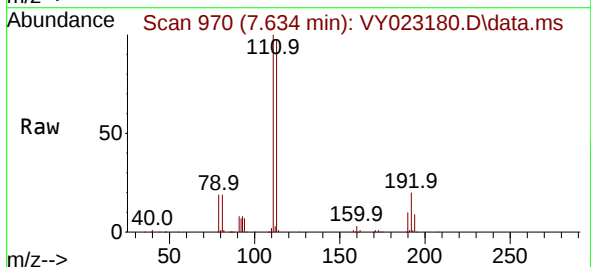
Tgt Ion:113 Resp: 319995

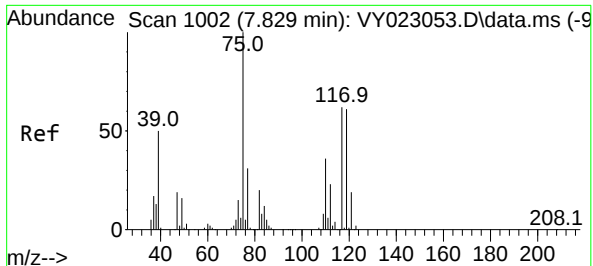
Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

192 19.8 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.590 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023180.D

Acq: 20 Aug 2025 16:55

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

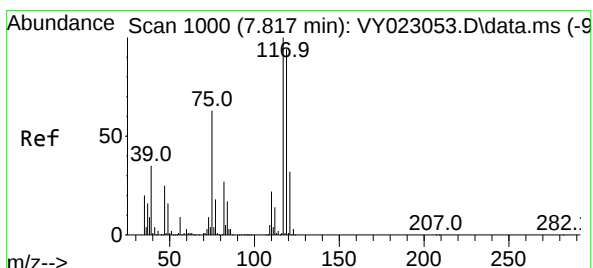
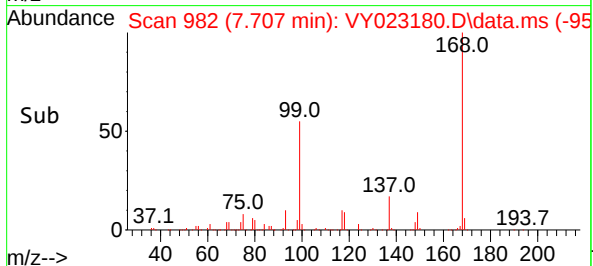
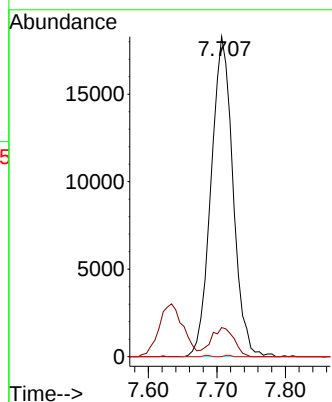
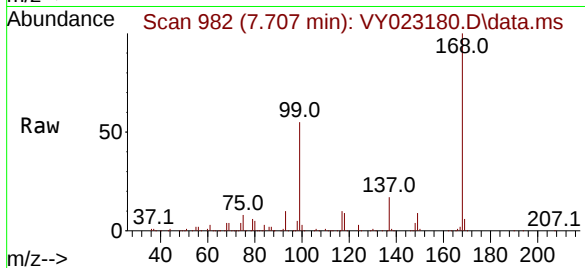
Tgt Ion: 75 Resp: 40653

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.268 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023180.D

Acq: 20 Aug 2025 16:55

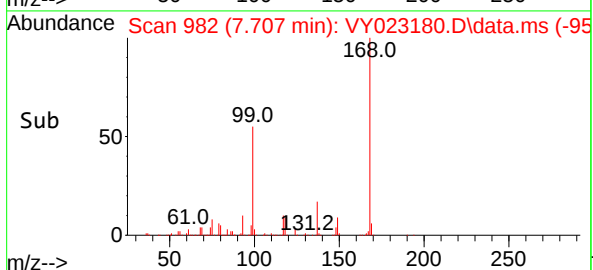
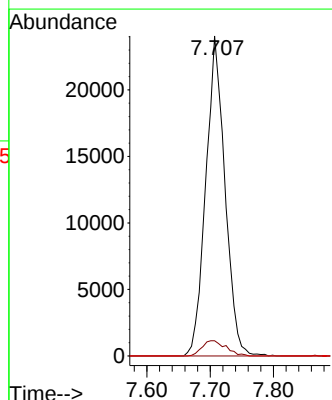
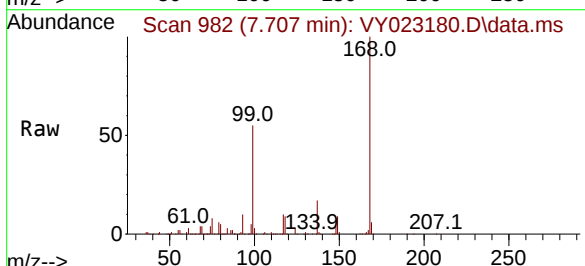
Tgt Ion: 117 Resp: 50678

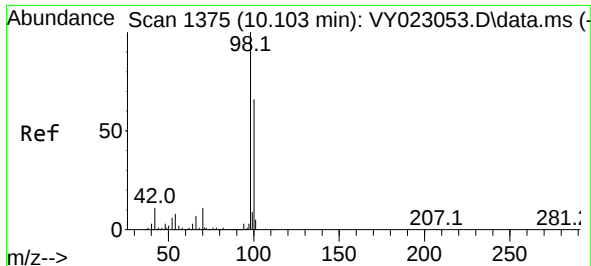
Ion Ratio Lower Upper

117 100

119 4.7 75.6 113.4#

121 0.0 25.8 38.8#

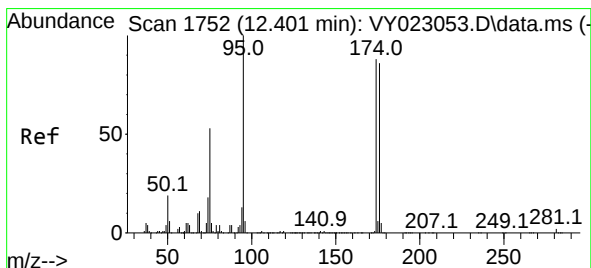
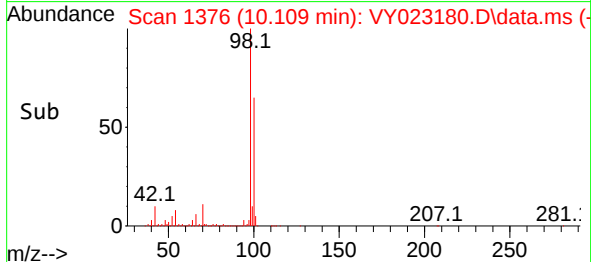
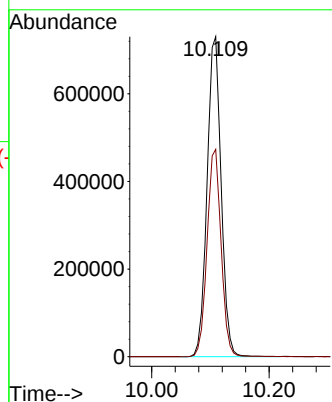
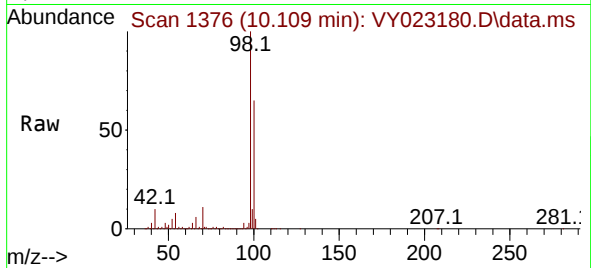




#50
Toluene-d8
Concen: 52.162 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

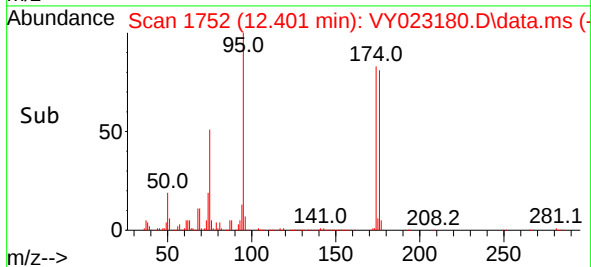
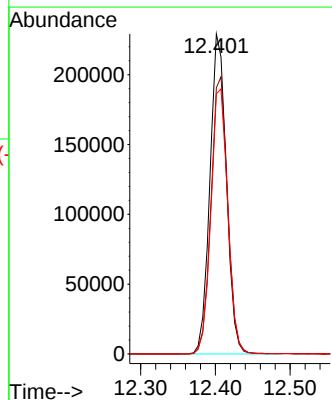
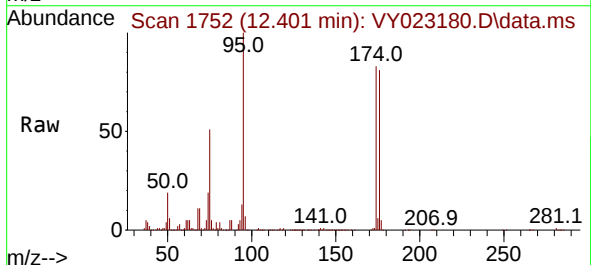
Instrument :
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VIBLK

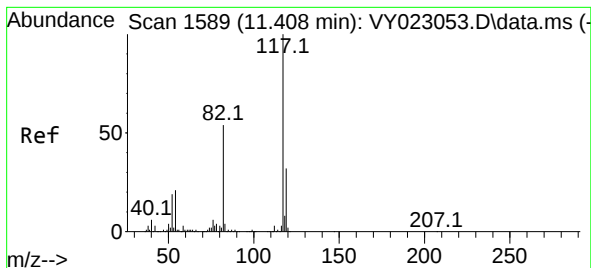
Tgt Ion: 98 Resp: 1214443
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.717 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

Tgt Ion: 95 Resp: 349794
Ion Ratio Lower Upper
95 100
174 88.3 0.0 171.6
176 85.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023180.D

Acq: 20 Aug 2025 16:55

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

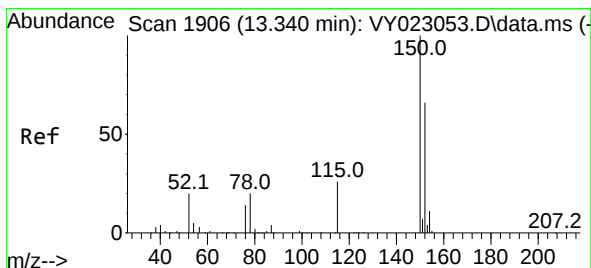
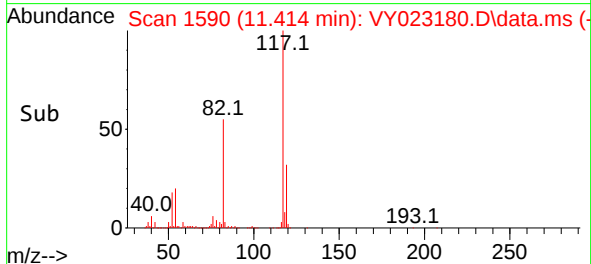
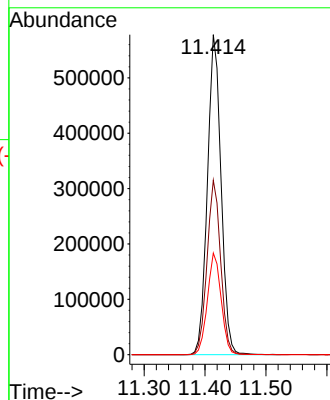
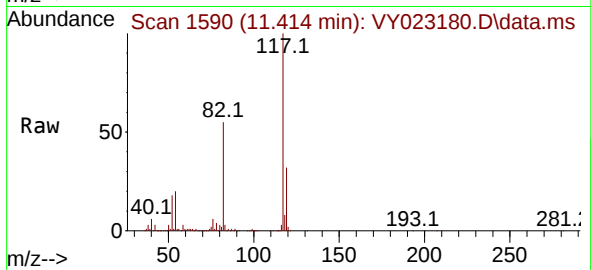
Tgt Ion:117 Resp: 900411

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023180.D

Acq: 20 Aug 2025 16:55

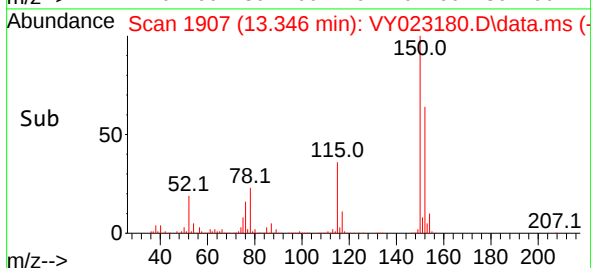
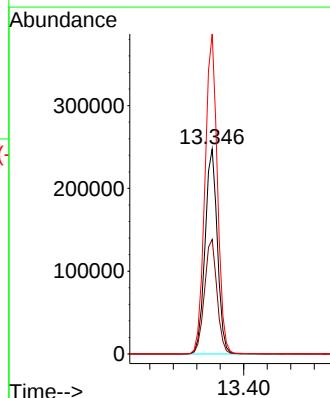
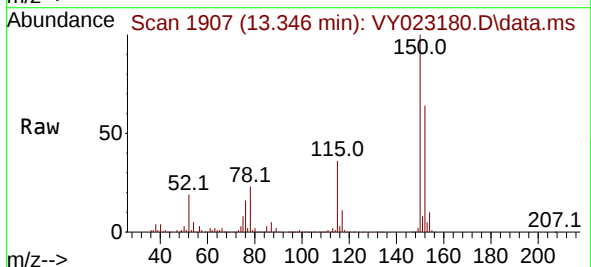
Tgt Ion:152 Resp: 360159

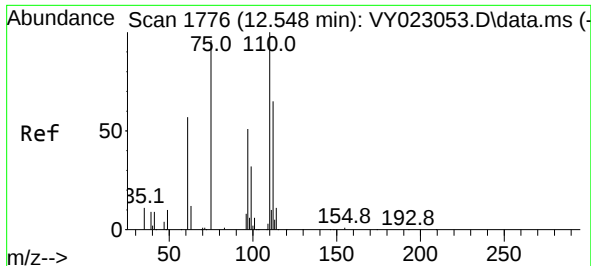
Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.6

150 157.5 0.0 348.0

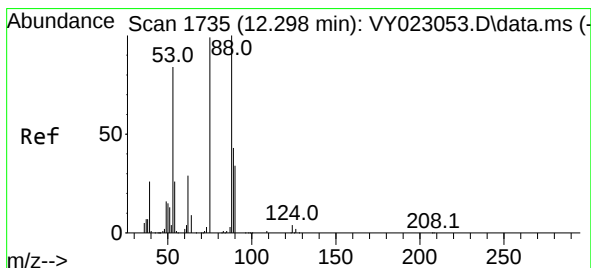
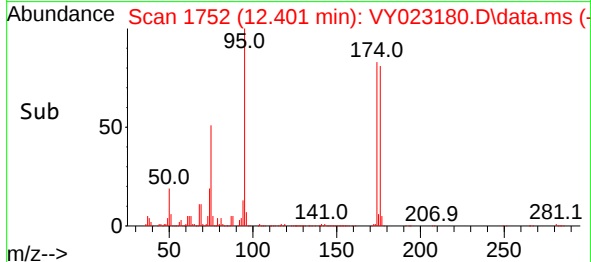
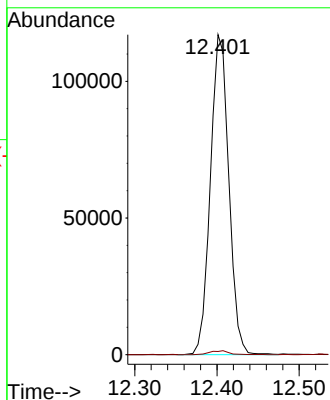
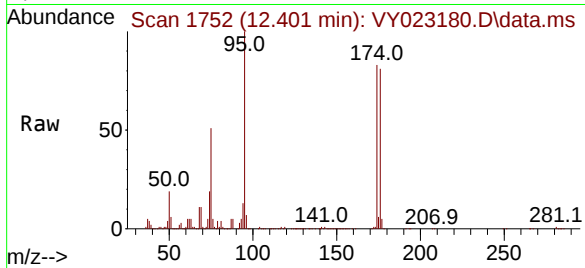




#76
1,2,3-Trichloropropane
Concen: 52.376 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 182054
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.785 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.103 min
Lab File: VY023180.D
Acq: 20 Aug 2025 16:55

Tgt Ion: 75 Resp: 182054
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.1 38.1 57.1#

