

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023071.D
 Acq On : 13 Aug 2025 15:43
 Operator : SY/MD
 Sample : Q2819-09
 Misc : 4.41g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 84SB-E

Quant Time: Aug 14 01:25:34 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)

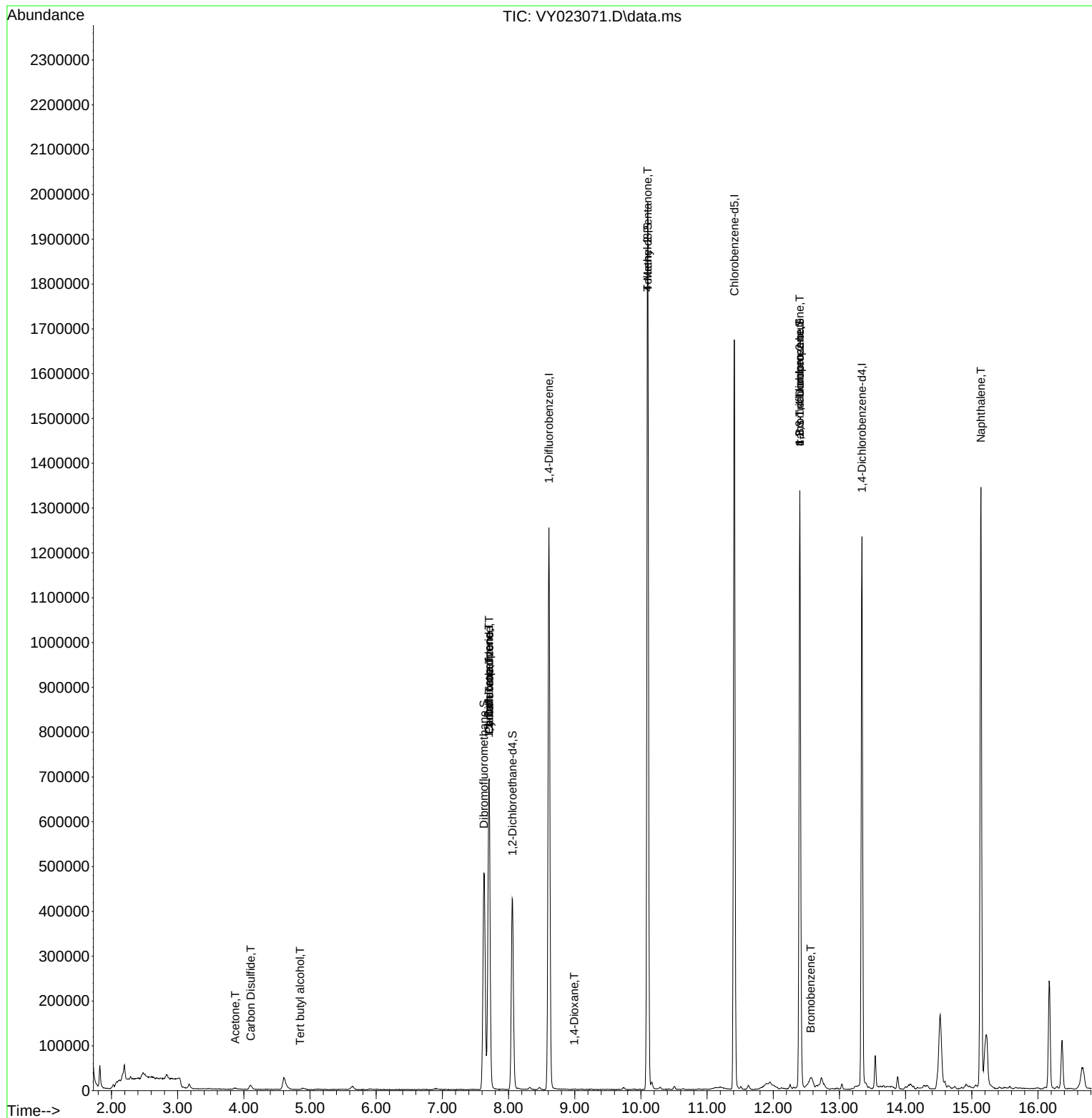
Internal Standards						
1) Pentafluorobenzene	7.707	168	542397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	1071198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	903366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	305266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	341117	65.988	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.980%
35) Dibromofluoromethane	7.628	113	347401	54.199	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.400%
50) Toluene-d8	10.103	98	1291121	51.562	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.120%
62) 4-Bromofluorobenzene	12.402	95	353063	43.843	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	369	1.042	ug/l #	71
16) Acetone	3.873	43	5015	4.478	ug/l	98
17) Carbon Disulfide	4.104	76	18132	1.064	ug/l	98
31) Cyclohexane	7.707	56	11741	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	43700	4.588	ug/l #	41
38) Carbon Tetrachloride	7.707	117	52945	5.117	ug/l #	16
49) 1,4-Dioxane	8.994	88	53	1.166	ug/l #	1
51) 4-Methyl-2-Pentanone	10.103	43	5668	1.359	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	188911	64.122	ug/l #	100
77) Bromobenzene	12.566	156	29610	5.761	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.402	75	188911	155.218	ug/l #	14
95) Naphthalene	15.139	128	1091781	121.794	ug/l	99

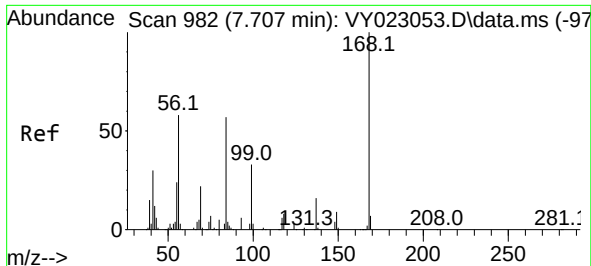
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023071.D
Acq On : 13 Aug 2025 15:43
Operator : SY/MD
Sample : Q2819-09
Misc : 4.41g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
84SB-E

Quant Time: Aug 14 01:25:34 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

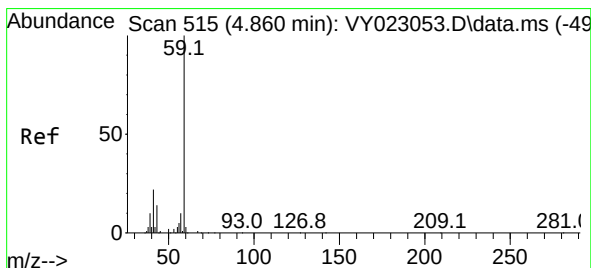
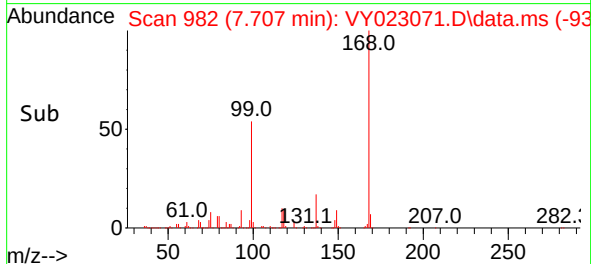
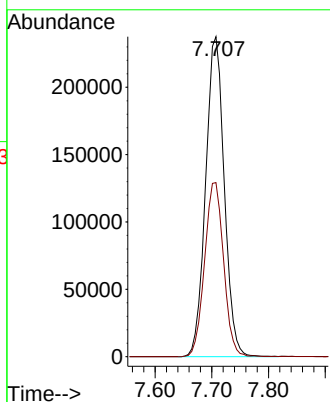
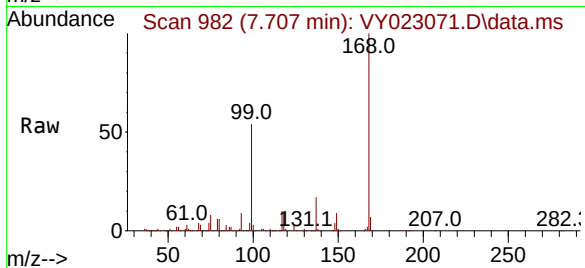




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023071.D
Acq: 13 Aug 2025 15:43

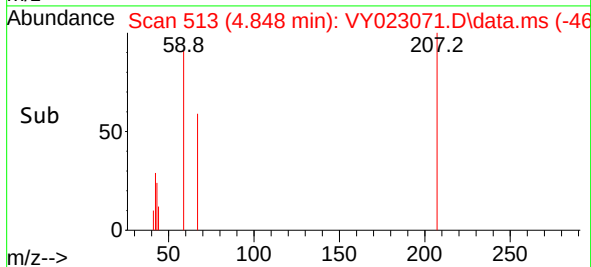
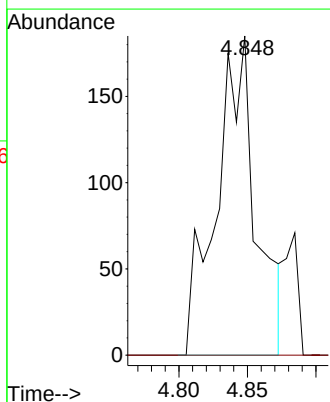
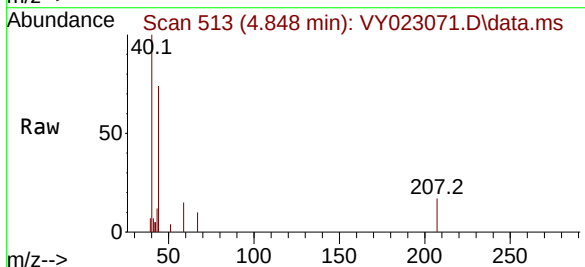
Instrument :
MSVOA_Y
ClientSampleId :
84SB-E

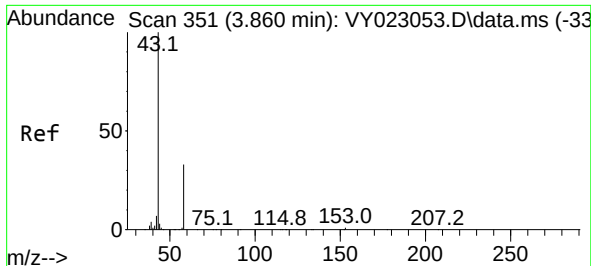
Tgt Ion:168 Resp: 542397
Ion Ratio Lower Upper
168 100
99 54.4 42.8 64.2



#11
Tert butyl alcohol
Concen: 1.042 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY023071.D
Acq: 13 Aug 2025 15:43

Tgt Ion: 59 Resp: 369
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#16

Acetone

Concen: 4.478 ug/l

RT: 3.873 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY023071.D

Acq: 13 Aug 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

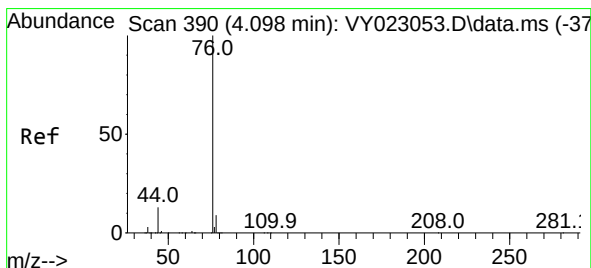
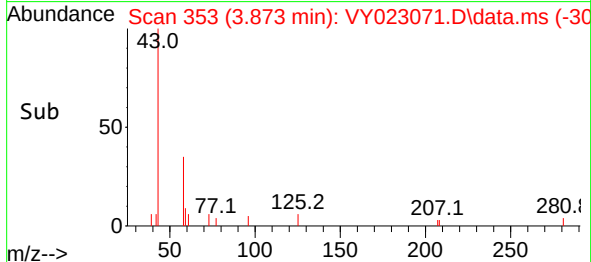
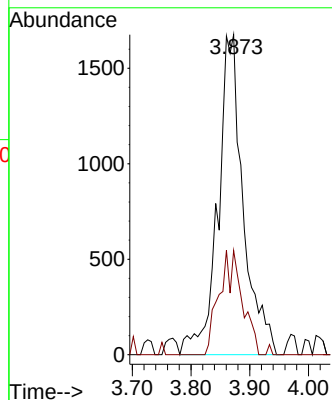
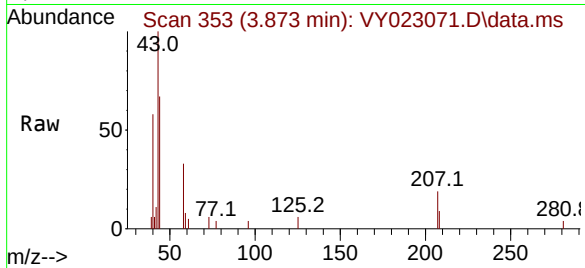
84SB-E

Tgt Ion: 43 Resp: 5015

Ion Ratio Lower Upper

43 100

58 32.6 27.1 40.7



#17

Carbon Disulfide

Concen: 1.064 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY023071.D

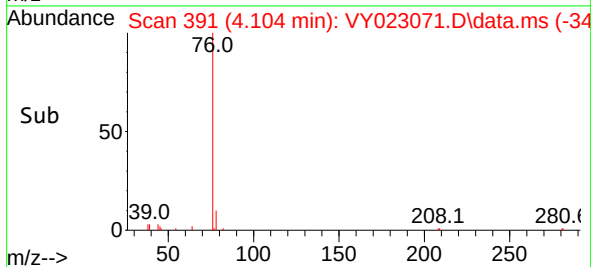
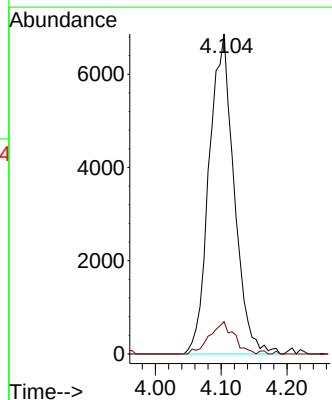
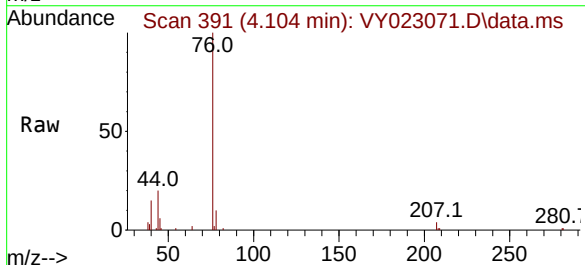
Acq: 13 Aug 2025 15:43

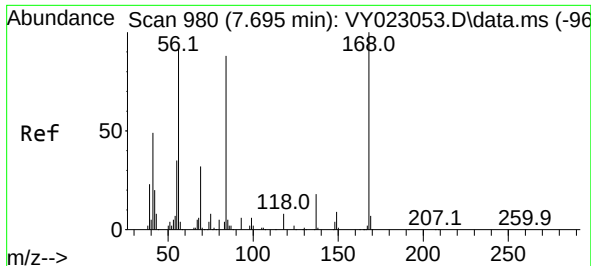
Tgt Ion: 76 Resp: 18132

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.2

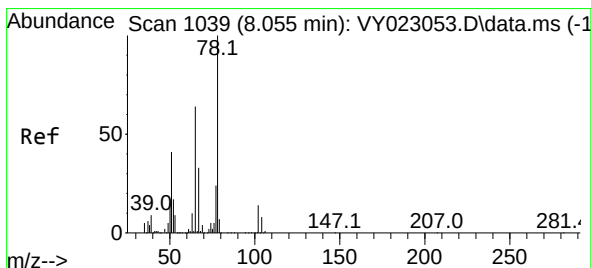
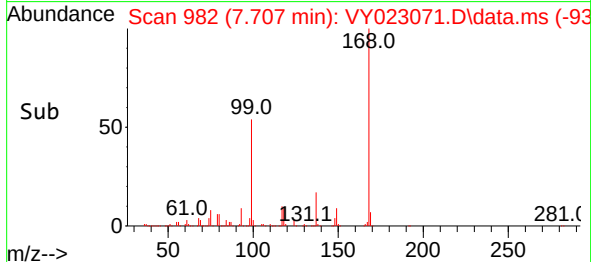
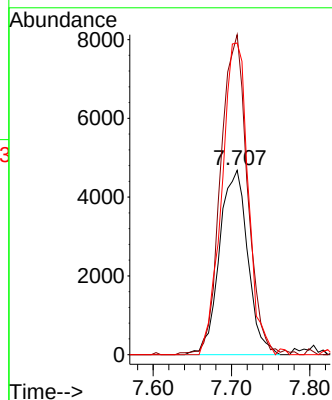
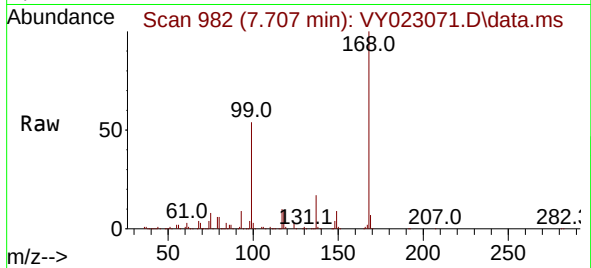




#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023071.D
Acq: 13 Aug 2025 15:43

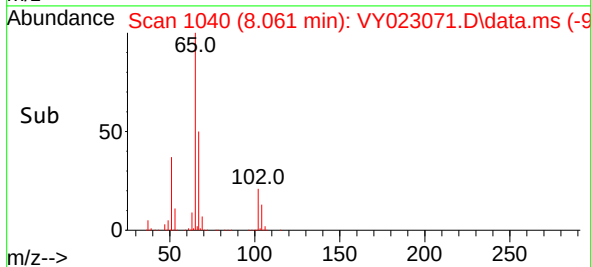
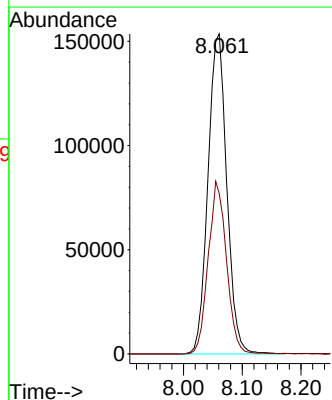
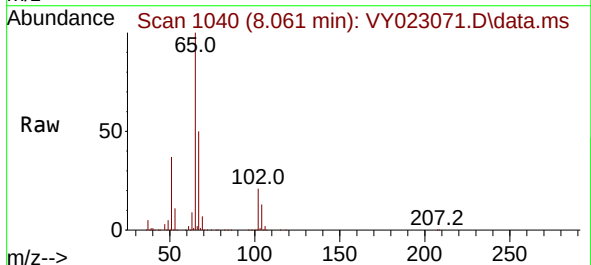
Instrument :
MSVOA_Y
ClientSampleId :
84SB-E

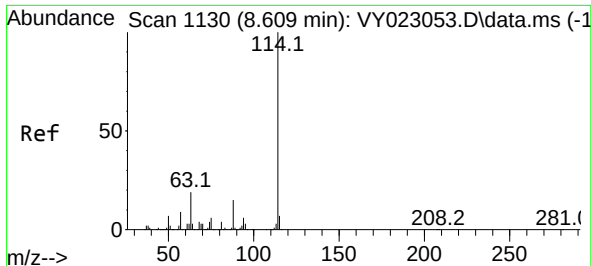
Tgt Ion: 56 Resp: 11741
Ion Ratio Lower Upper
56 100
69 172.5 28.2 42.2#
84 169.0 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 65.988 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023071.D
Acq: 13 Aug 2025 15:43

Tgt Ion: 65 Resp: 341117
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023071.D

Acq: 13 Aug 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

84SB-E

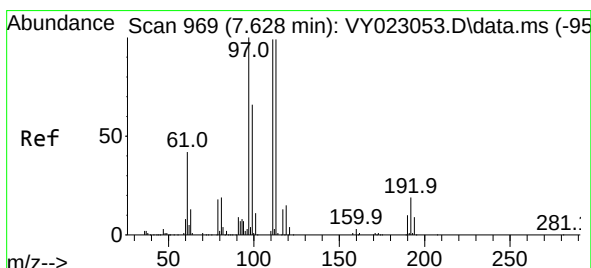
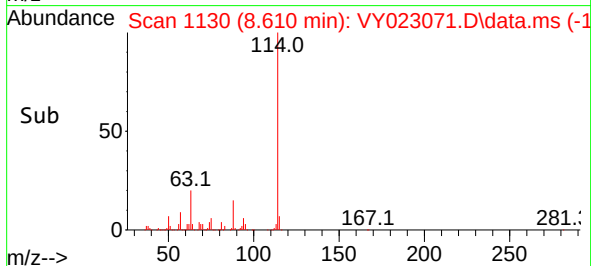
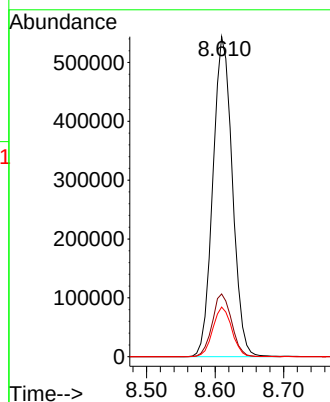
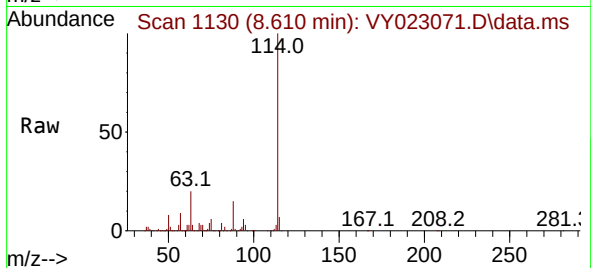
Tgt Ion:114 Resp: 1071198

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 15.5 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.199 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY023071.D

Acq: 13 Aug 2025 15:43

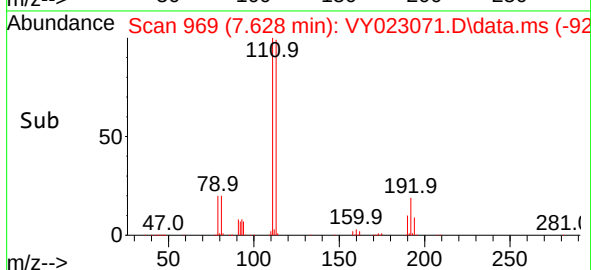
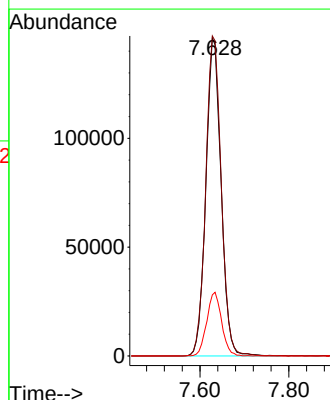
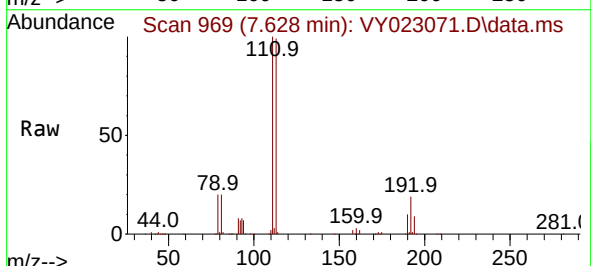
Tgt Ion:113 Resp: 347401

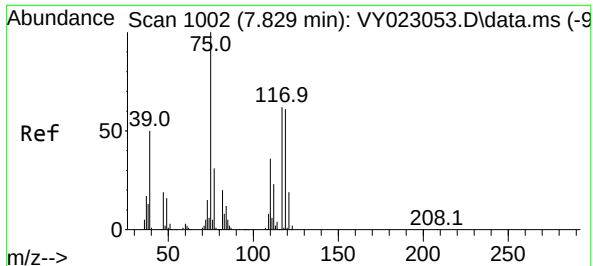
Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

192 19.6 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.588 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY023071.D

Acq: 13 Aug 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

84SB-E

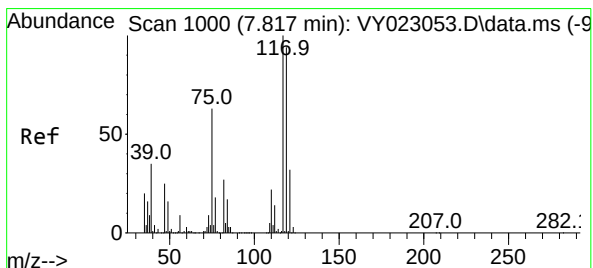
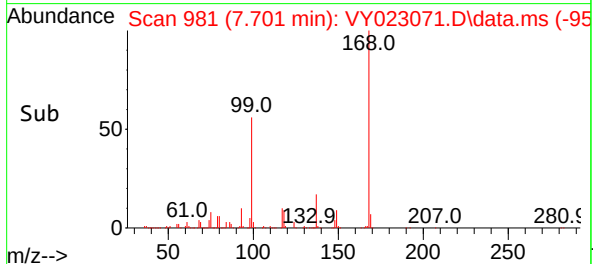
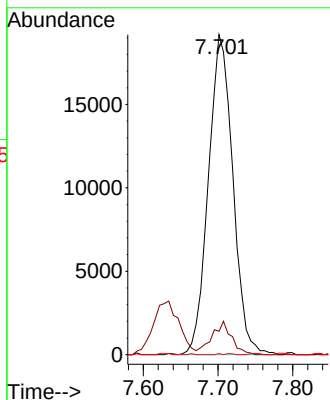
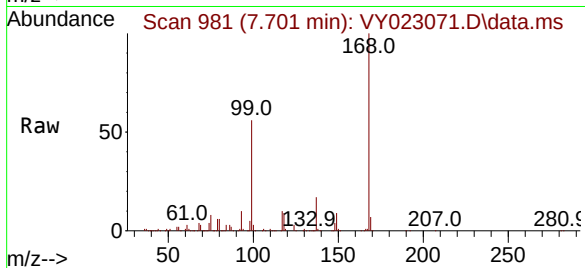
Tgt Ion: 75 Resp: 43700

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.117 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023071.D

Acq: 13 Aug 2025 15:43

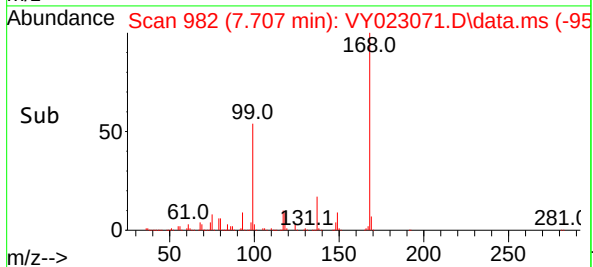
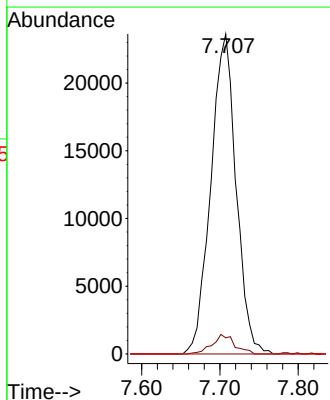
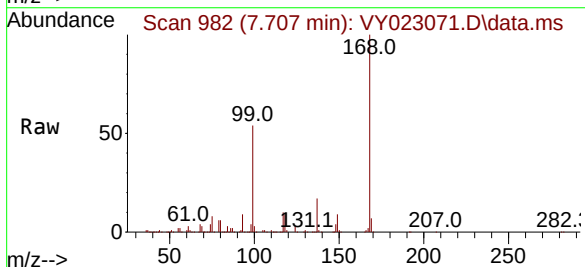
Tgt Ion: 117 Resp: 52945

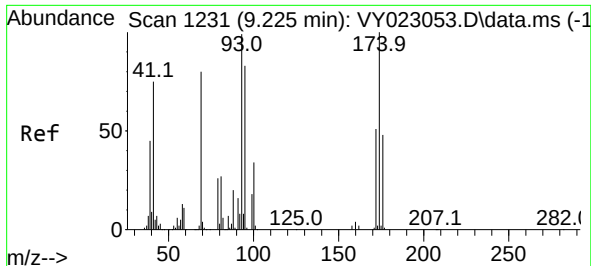
Ion Ratio Lower Upper

117 100

119 5.0 75.6 113.4#

121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 1.166 ug/l

RT: 8.994 min Scan# 1193

Delta R.T. -0.232 min

Lab File: VY023071.D

Acq: 13 Aug 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

84SB-E

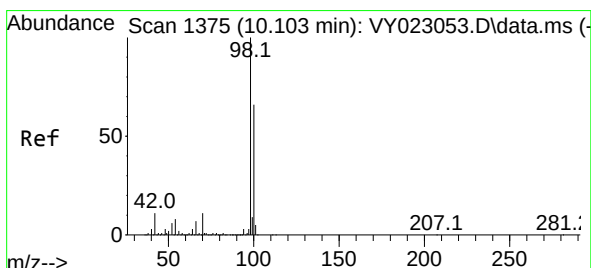
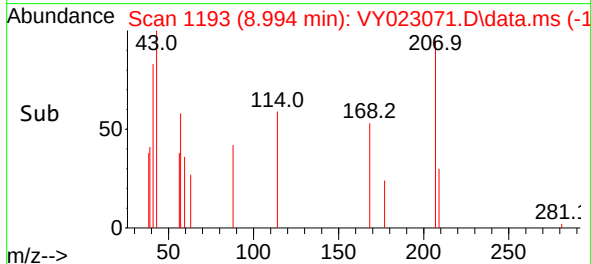
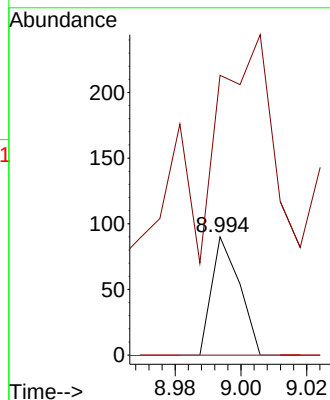
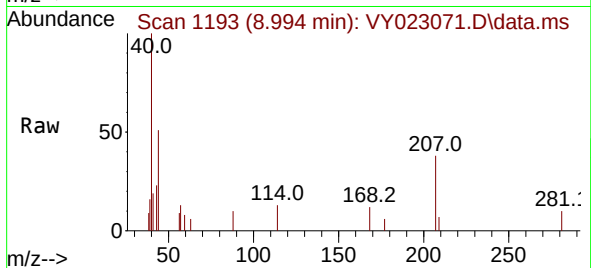
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 996.2 24.3 36.5#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 51.562 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023071.D

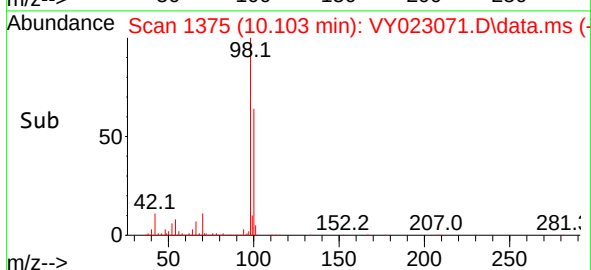
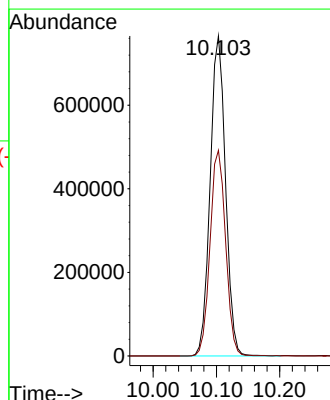
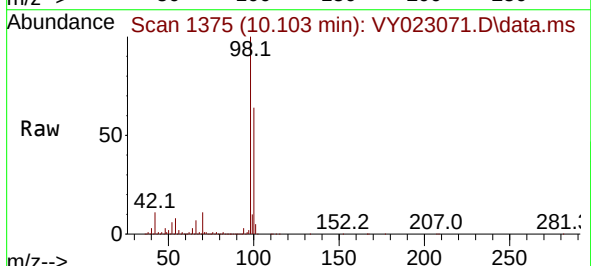
Acq: 13 Aug 2025 15:43

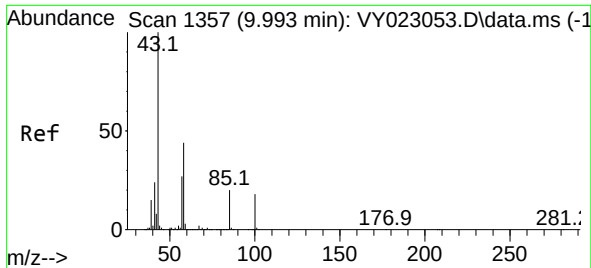
Tgt Ion: 98 Resp: 1291121

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5

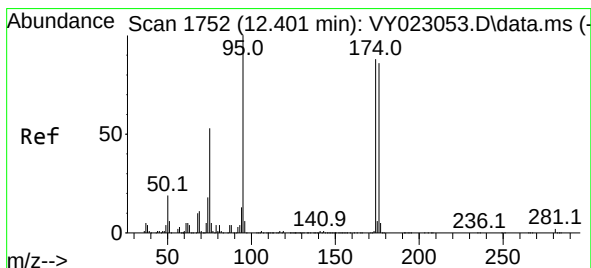
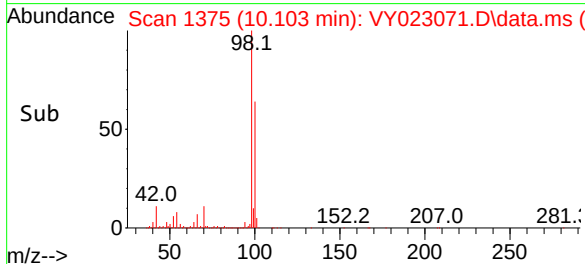
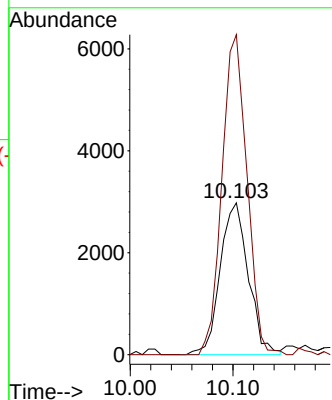
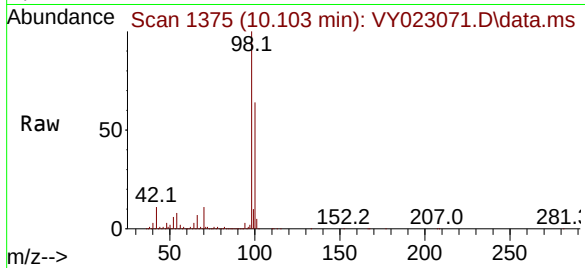




#51
4-Methyl-2-Pentanone
Concen: 1.359 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023071.D
Acq: 13 Aug 2025 15:43

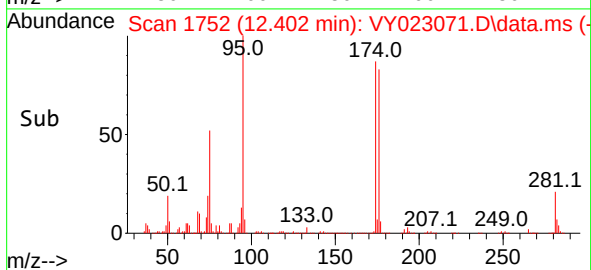
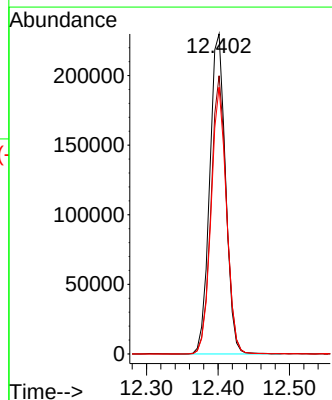
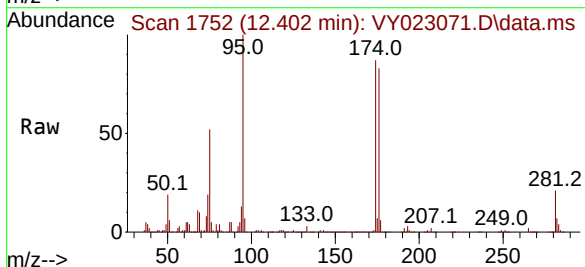
Instrument :
MSVOA_Y
ClientSampleId :
84SB-E

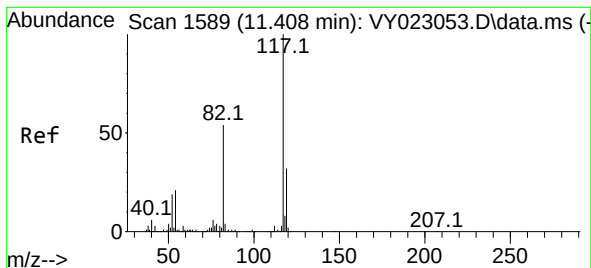
Tgt Ion: 43 Resp: 5668
Ion Ratio Lower Upper
43 100
58 187.3 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 43.843 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023071.D
Acq: 13 Aug 2025 15:43

Tgt Ion: 95 Resp: 353063
Ion Ratio Lower Upper
95 100
174 84.9 0.0 171.6
176 81.1 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: VY023071.D

Acq: 13 Aug 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

84SB-E

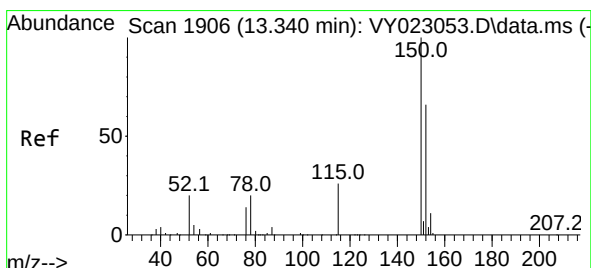
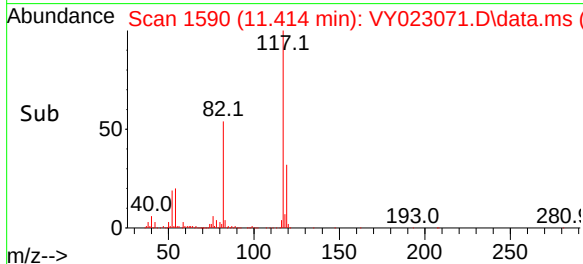
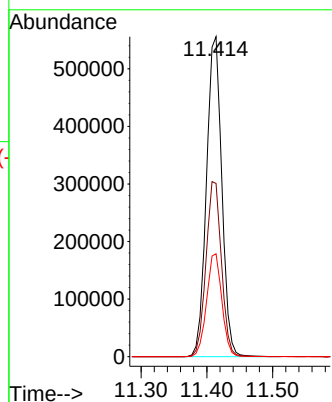
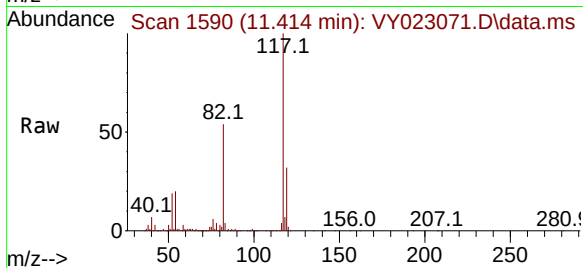
Tgt Ion:117 Resp: 903366

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023071.D

Acq: 13 Aug 2025 15:43

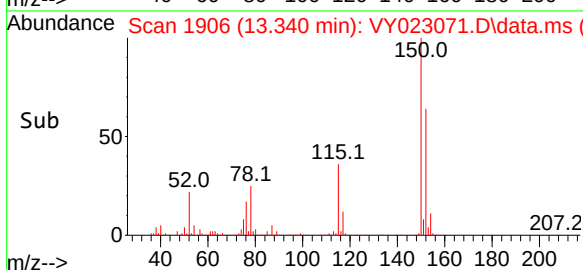
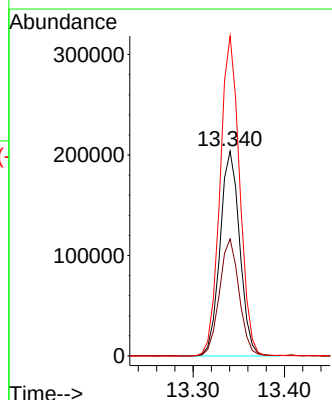
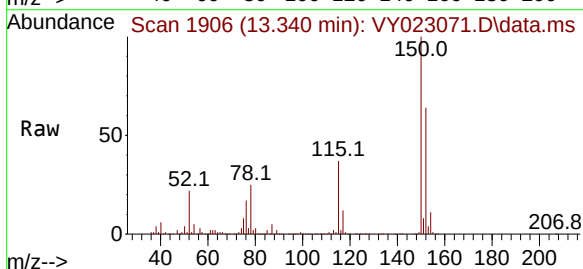
Tgt Ion:152 Resp: 305266

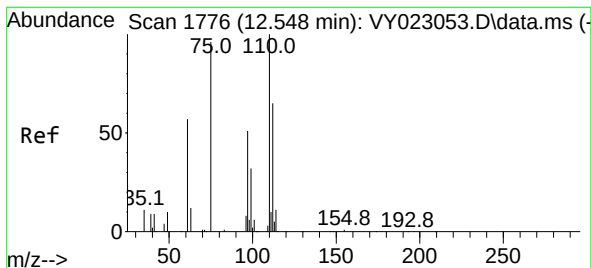
Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.6

150 155.3 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 64.122 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023071.D

Acq: 13 Aug 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

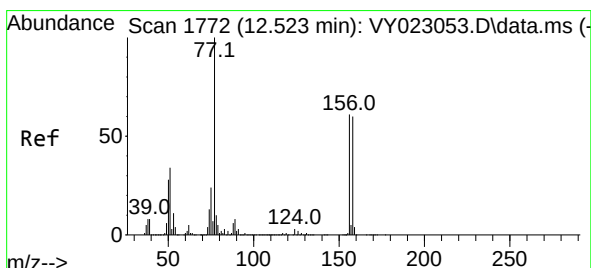
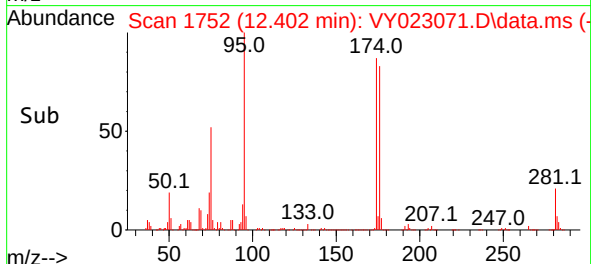
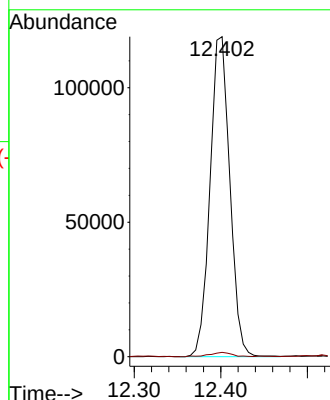
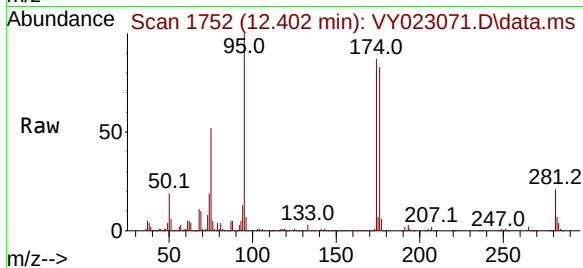
84SB-E

Tgt Ion: 75 Resp: 188911

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#77

Bromobenzene

Concen: 5.761 ug/l

RT: 12.566 min Scan# 1779

Delta R.T. 0.043 min

Lab File: VY023071.D

Acq: 13 Aug 2025 15:43

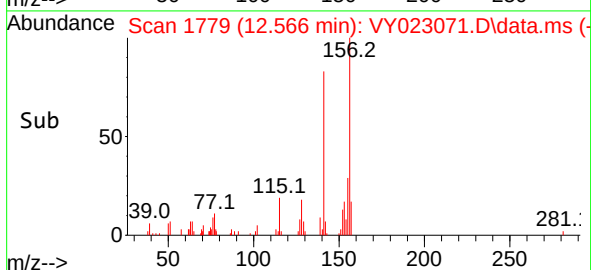
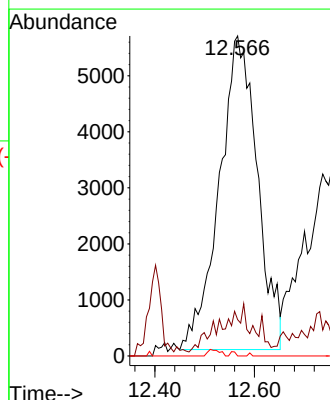
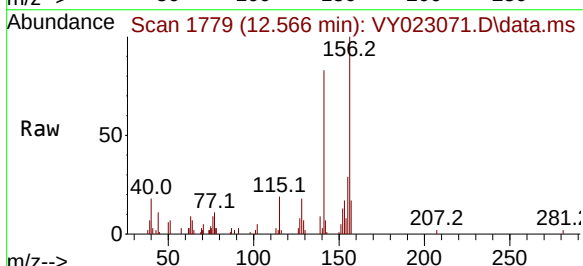
Tgt Ion: 156 Resp: 29610

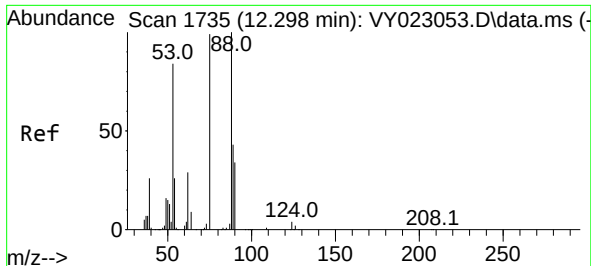
Ion Ratio Lower Upper

156 100

77 1.0 88.1 264.4#

158 0.2 48.0 144.0#

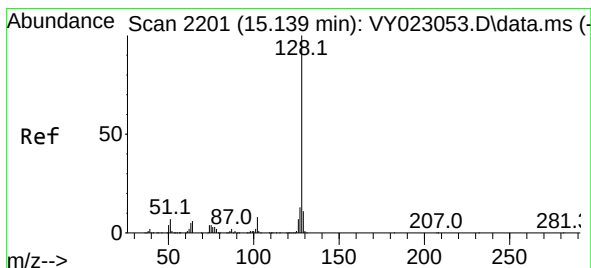
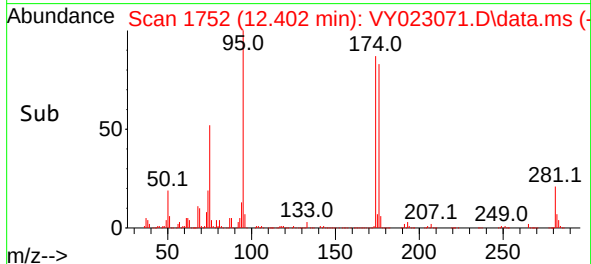
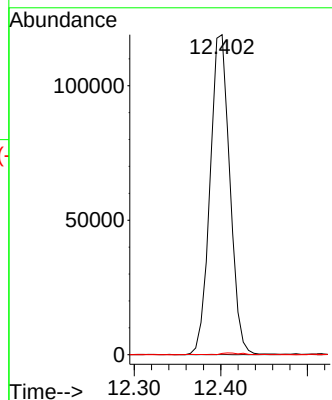
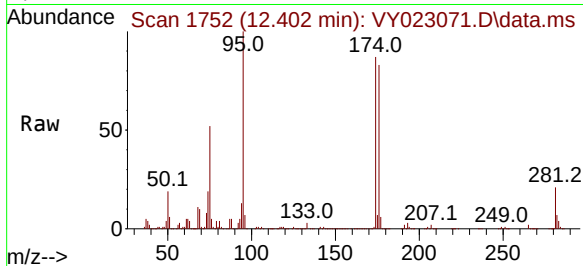




#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.218 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.104 min
 Lab File: VY023071.D
 Acq: 13 Aug 2025 15:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 84SB-E

Tgt Ion: 75 Resp: 188911
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.5 38.1 57.1#



#95
 Naphthalene
 Concen: 121.794 ug/l
 RT: 15.139 min Scan# 2201
 Delta R.T. 0.000 min
 Lab File: VY023071.D
 Acq: 13 Aug 2025 15:43

Tgt Ion: 128 Resp: 1091781
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.4 15.6
 129 10.8 9.0 13.4

