

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023184.D
 Acq On : 22 Aug 2025 11:14
 Operator : SY/MD
 Sample : VY0822SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0822SBL01

Quant Time: Aug 25 05:12:03 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)

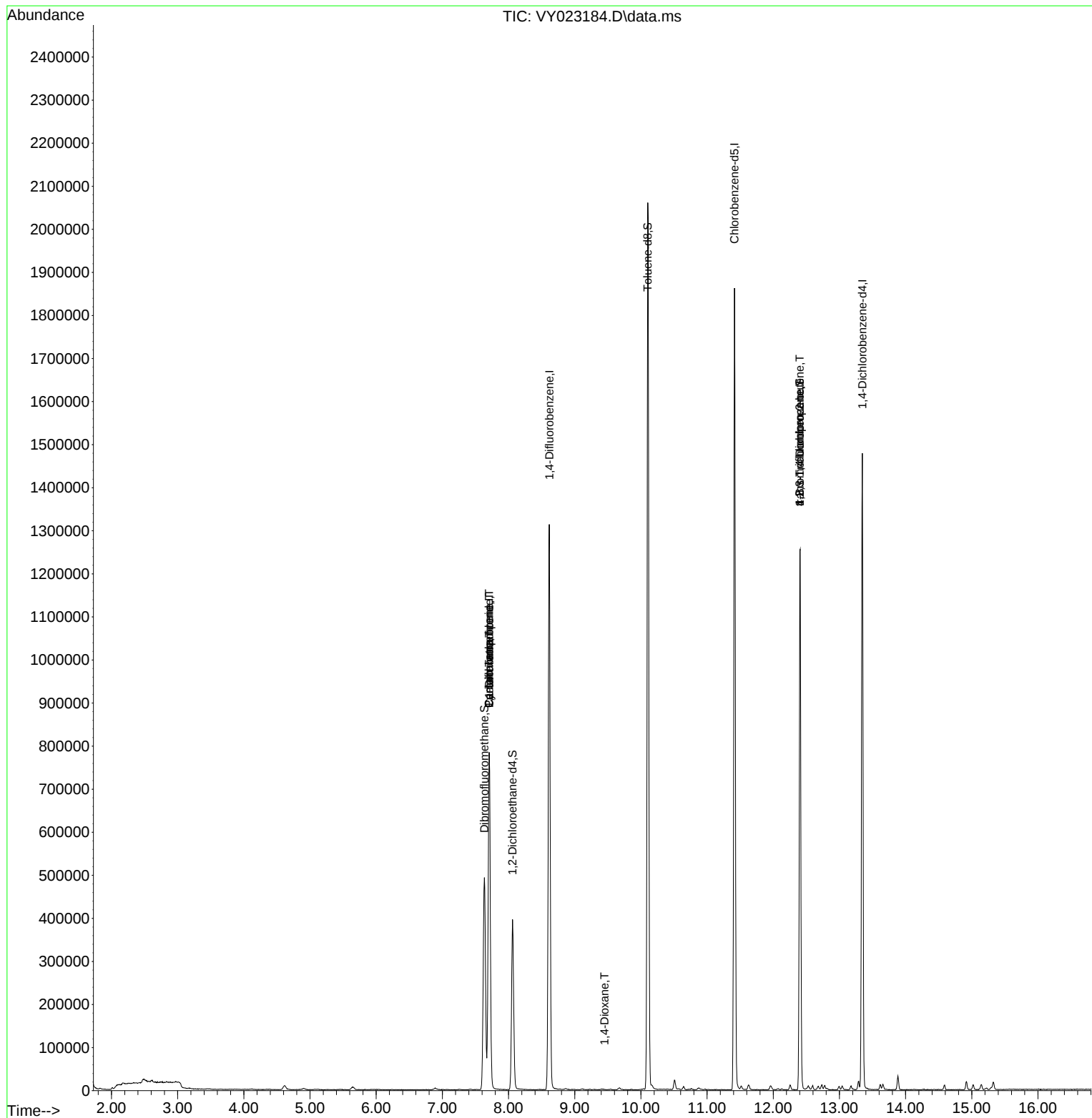
Internal Standards						
1) Pentafluorobenzene	7.707	168	625478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1151605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1006819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	382846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	304269	51.041	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.080%	
35) Dibromofluoromethane	7.634	113	358328	52.001	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.000%	
50) Toluene-d8	10.103	98	1370786	50.921	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.840%	
62) 4-Bromofluorobenzene	12.401	95	386686	44.666	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.340%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	7099	Below Cal	#	82
31) Cyclohexane	7.707	56	12281	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	46125	4.504	ug/l #	50
38) Carbon Tetrachloride	7.707	117	59479	5.347	ug/l #	17
49) 1,4-Dioxane	9.451	88	72	1.473	ug/l #	36
76) 1,2,3-Trichloropropane	12.401	75	196631	53.217	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	196631	128.822	ug/l #	14

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

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Quant Time: Aug 25 05:12:03 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

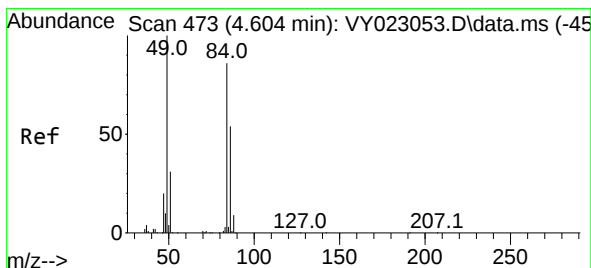
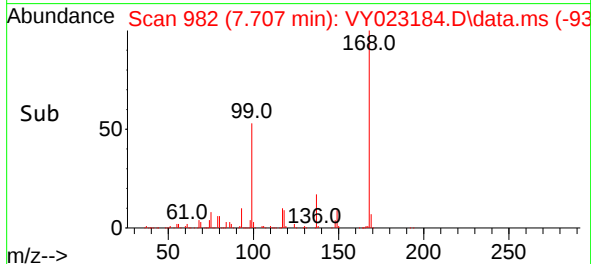
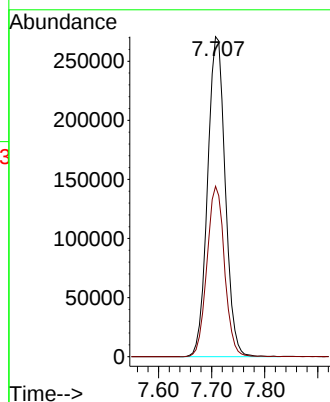
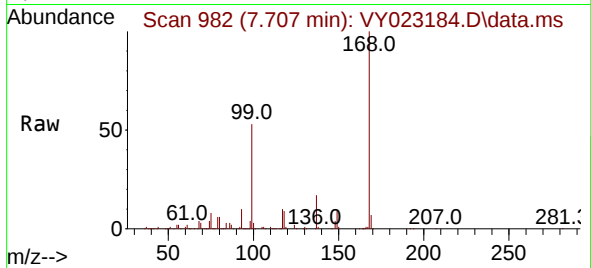




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023184.D
Acq: 22 Aug 2025 11:14

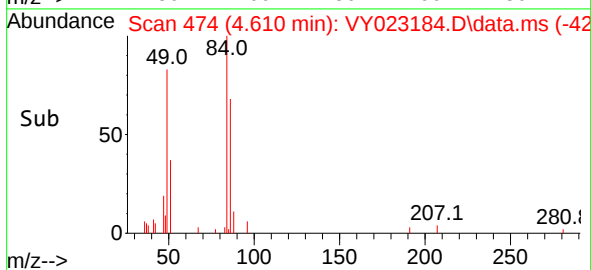
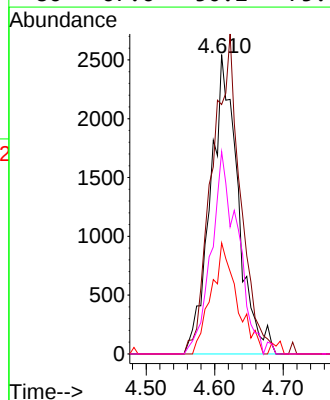
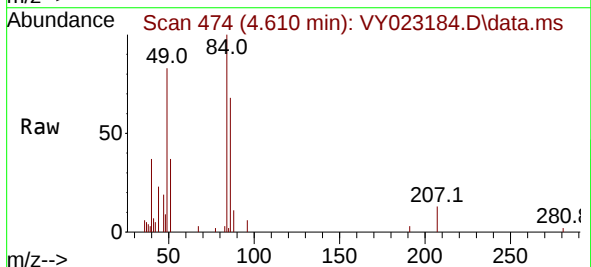
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBL01

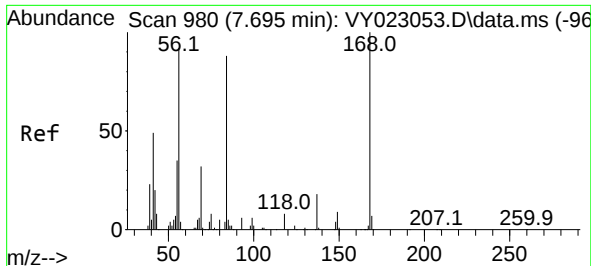
Tgt Ion:168 Resp: 625478
Ion Ratio Lower Upper
168 100
99 53.3 42.8 64.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023184.D
Acq: 22 Aug 2025 11:14

Tgt Ion: 84 Resp: 7099
Ion Ratio Lower Upper
84 100
49 83.3 93.0 139.6#
51 37.1 29.0 43.4
86 67.6 50.2 75.4

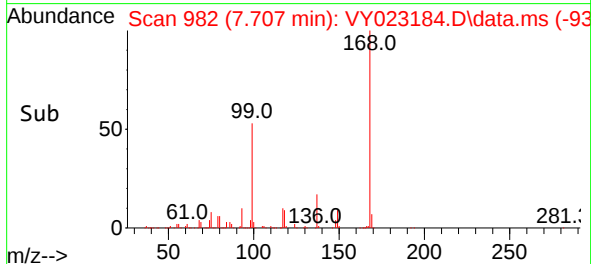
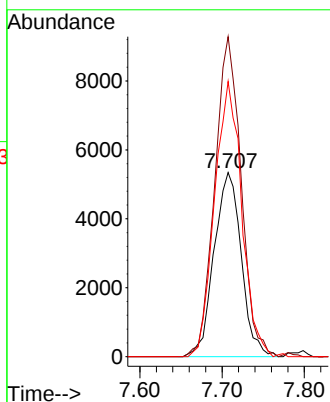
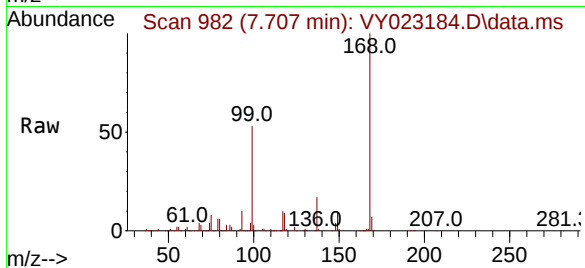




#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023184.D
Acq: 22 Aug 2025 11:14

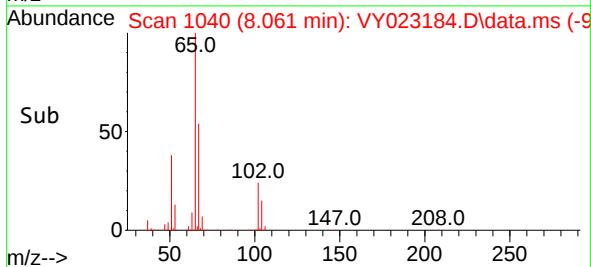
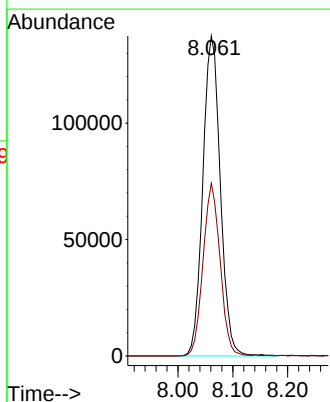
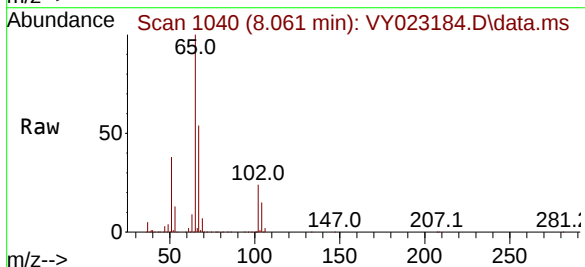
Instrument :
MSVOA_Y
ClientSampleId :
VY0822SBL01

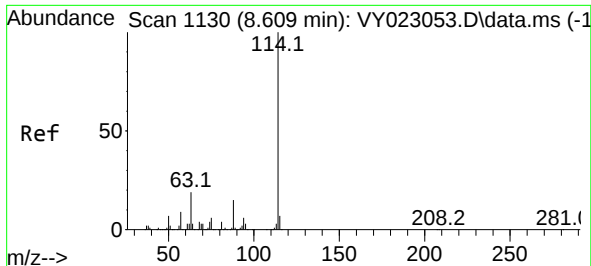
Tgt Ion: 56 Resp: 12281
Ion Ratio Lower Upper
56 100
69 173.7 28.2 42.2#
84 149.4 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 51.041 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023184.D
Acq: 22 Aug 2025 11:14

Tgt Ion: 65 Resp: 304269
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023184.D

Acq: 22 Aug 2025 11:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBL01

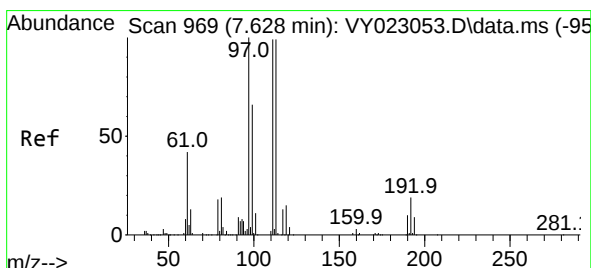
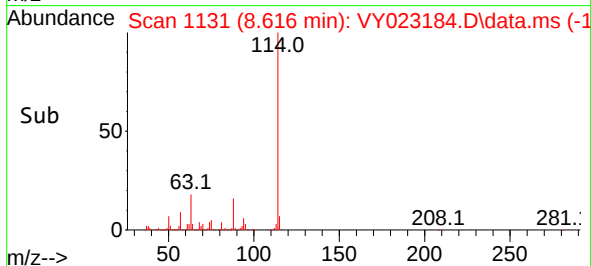
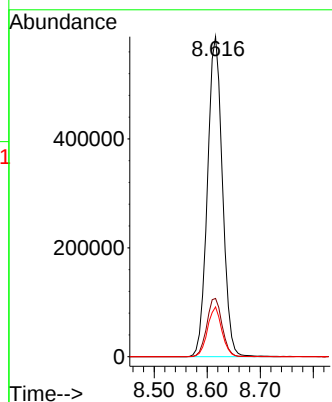
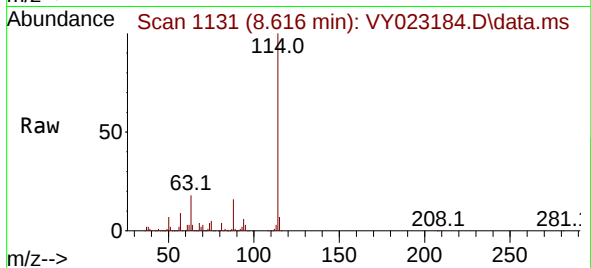
Tgt Ion:114 Resp: 1151605

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 15.6 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.001 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023184.D

Acq: 22 Aug 2025 11:14

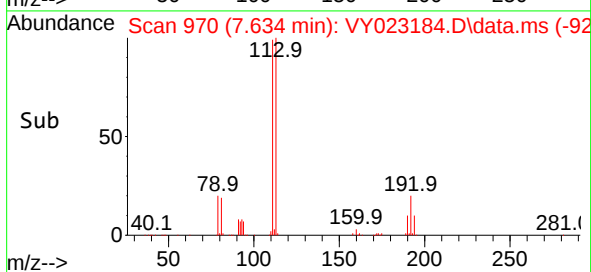
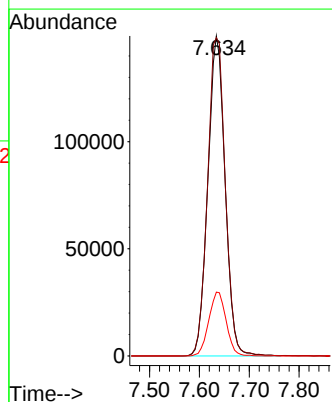
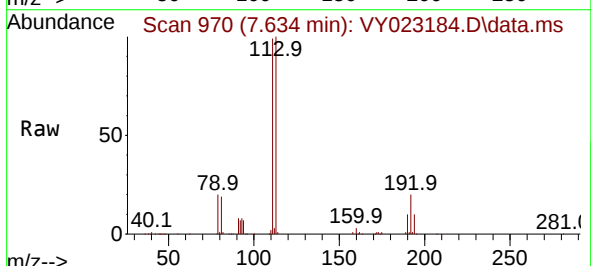
Tgt Ion:113 Resp: 358328

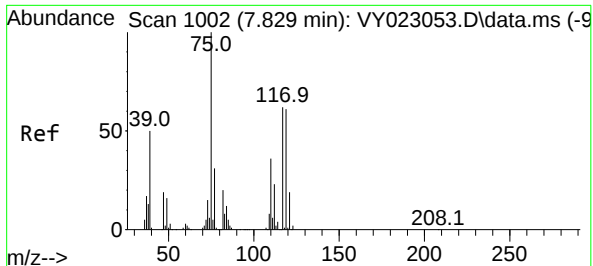
Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 20.1 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.504 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023184.D

Acq: 22 Aug 2025 11:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBL01

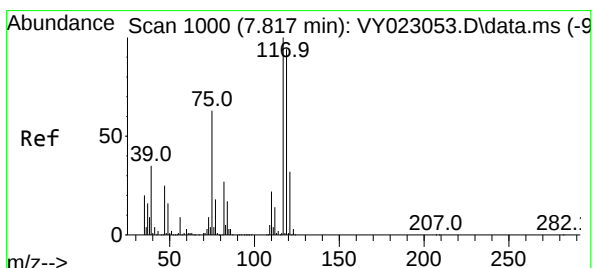
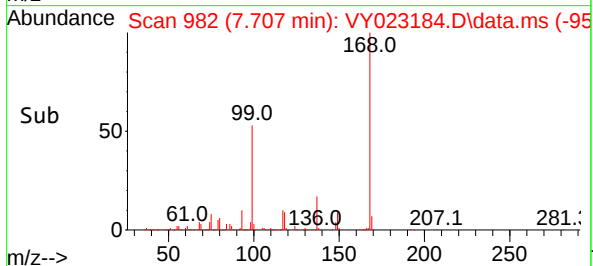
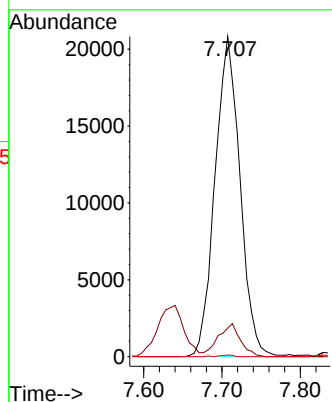
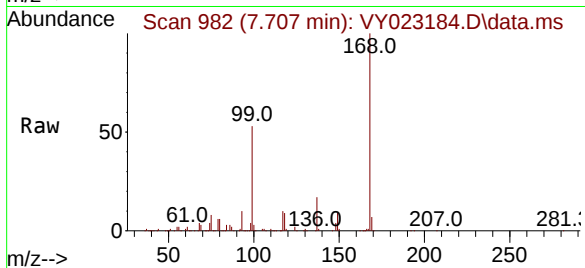
Tgt Ion: 75 Resp: 46125

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

77 0.3 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.347 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023184.D

Acq: 22 Aug 2025 11:14

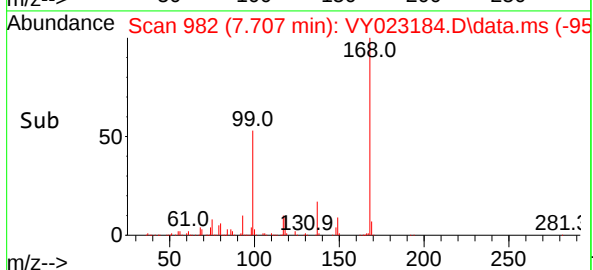
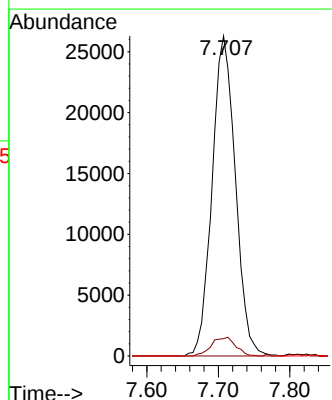
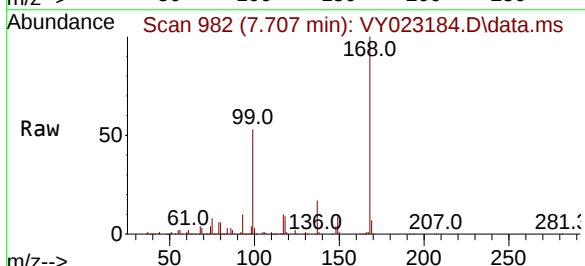
Tgt Ion: 117 Resp: 59479

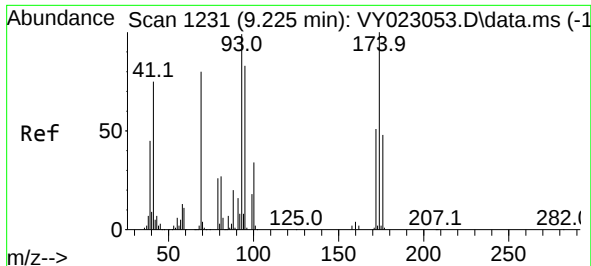
Ion Ratio Lower Upper

117 100

119 5.4 75.6 113.4#

121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 1.473 ug/l

RT: 9.451 min Scan# 11

Delta R.T. 0.226 min

Lab File: VY023184.D

Acq: 22 Aug 2025 11:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBL01

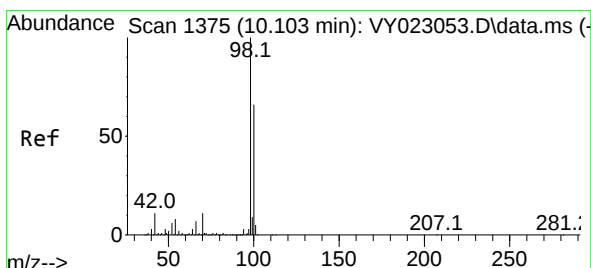
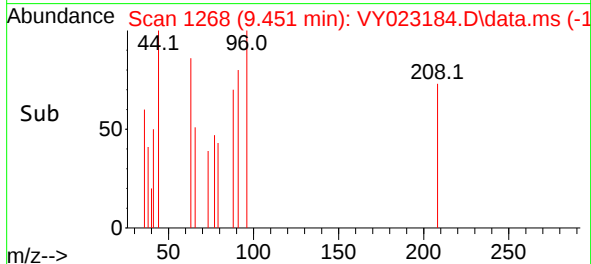
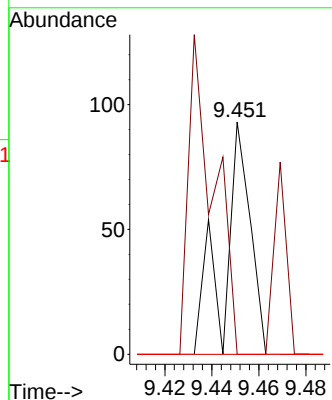
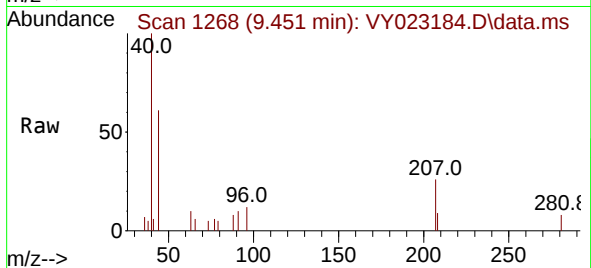
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 38.9 24.3 36.5#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 50.921 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023184.D

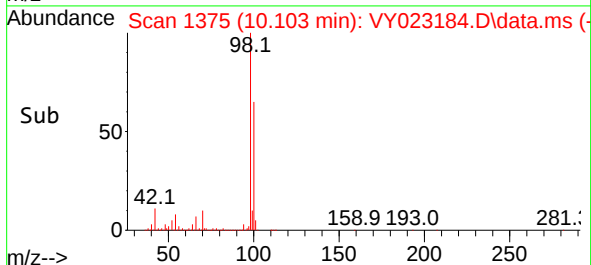
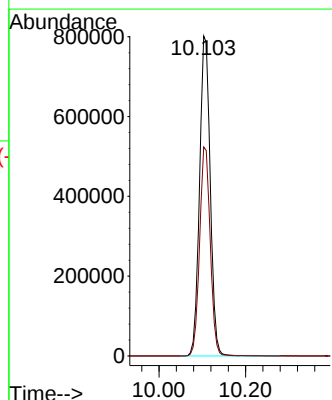
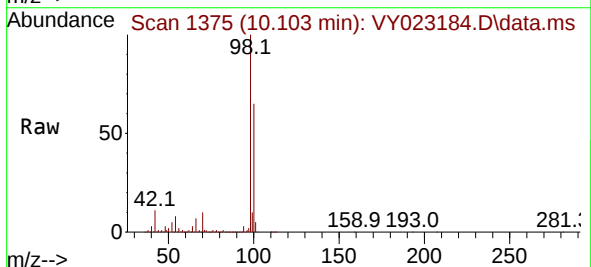
Acq: 22 Aug 2025 11:14

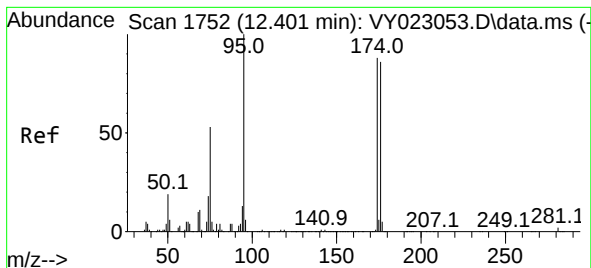
Tgt Ion: 98 Resp: 1370786

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5

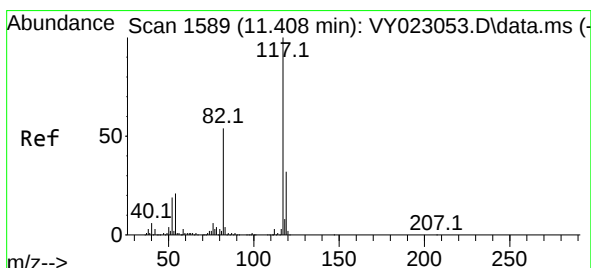
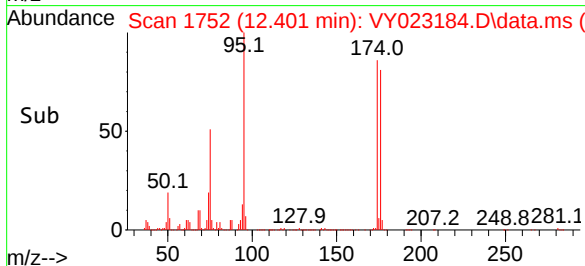
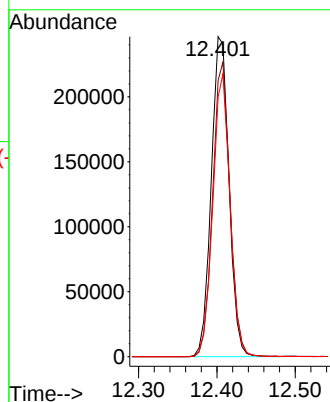
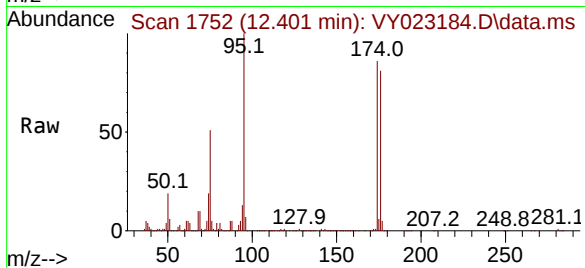




#62
4-Bromofluorobenzene
Concen: 44.666 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023184.D
Acq: 22 Aug 2025 11:14

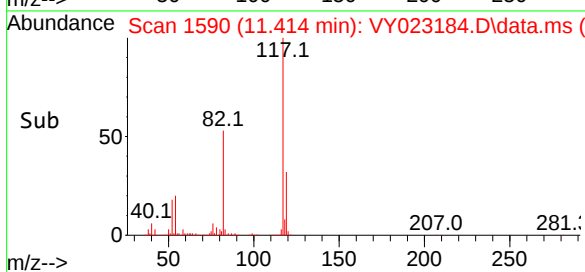
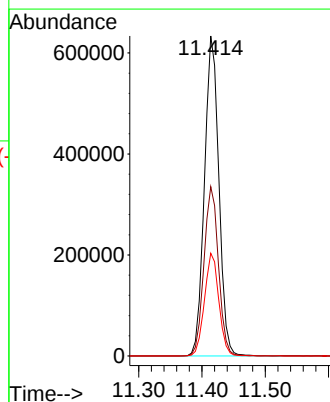
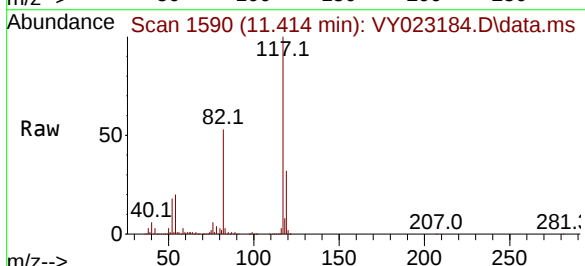
Instrument :
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VY0822SBL01

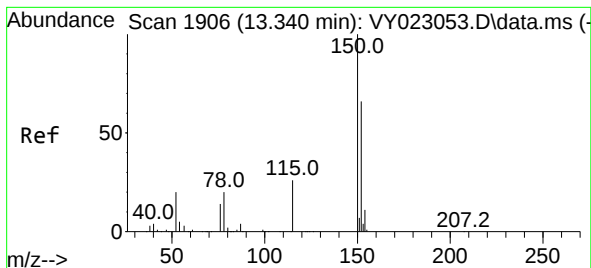
Tgt Ion: 95 Resp: 386686
Ion Ratio Lower Upper
95 100
174 90.1 0.0 171.6
176 86.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023184.D
Acq: 22 Aug 2025 11:14

Tgt Ion: 117 Resp: 1006819
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023184.D

Acq: 22 Aug 2025 11:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0822SBL01

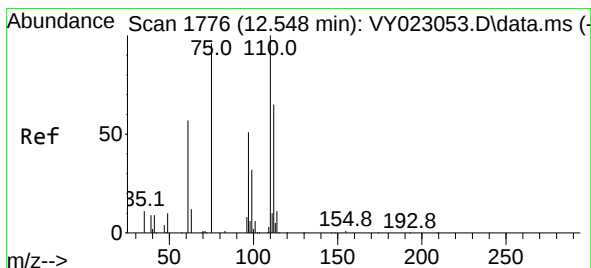
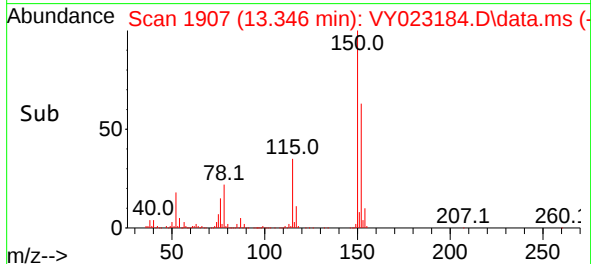
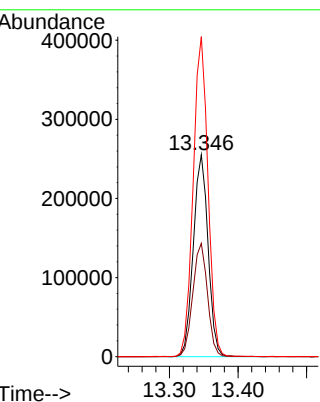
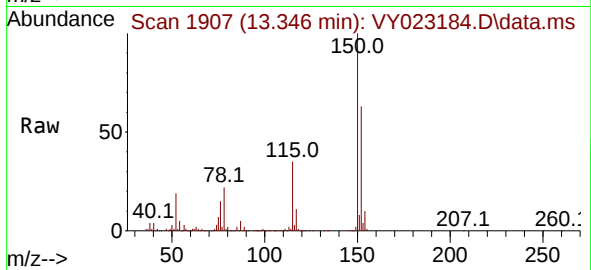
Tgt Ion:152 Resp: 382846

Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.6

150 158.4 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 53.217 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023184.D

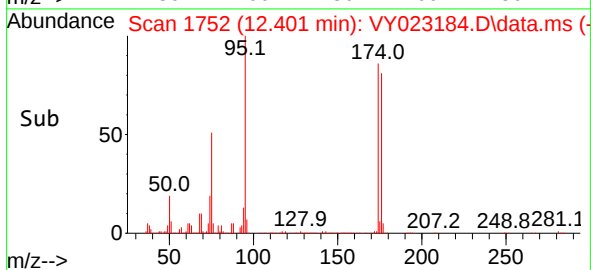
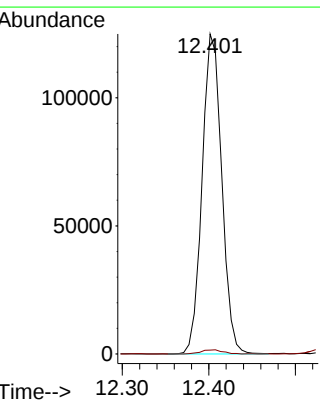
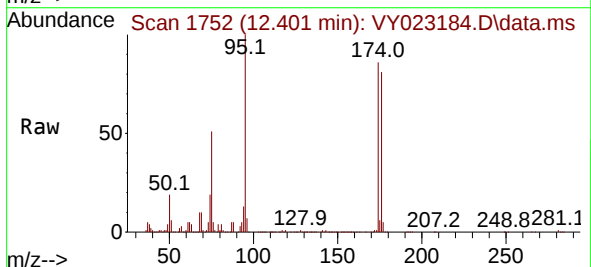
Acq: 22 Aug 2025 11:14

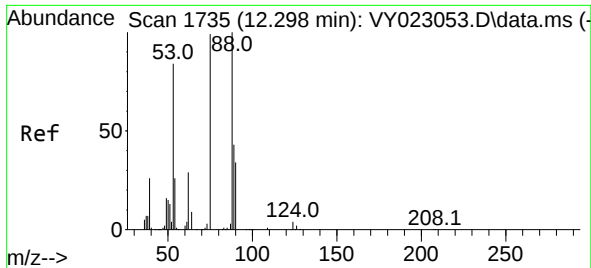
Tgt Ion: 75 Resp: 196631

Ion Ratio Lower Upper

75 100

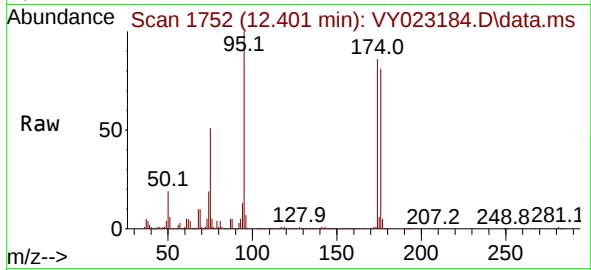
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.822 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023184.D
 Acq: 22 Aug 2025 11:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0822SBL01



Tgt Ion: 75 Resp: 196631
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

