

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021662.D
 Acq On : 27 Mar 2025 12:35
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Mar 28 03:48:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

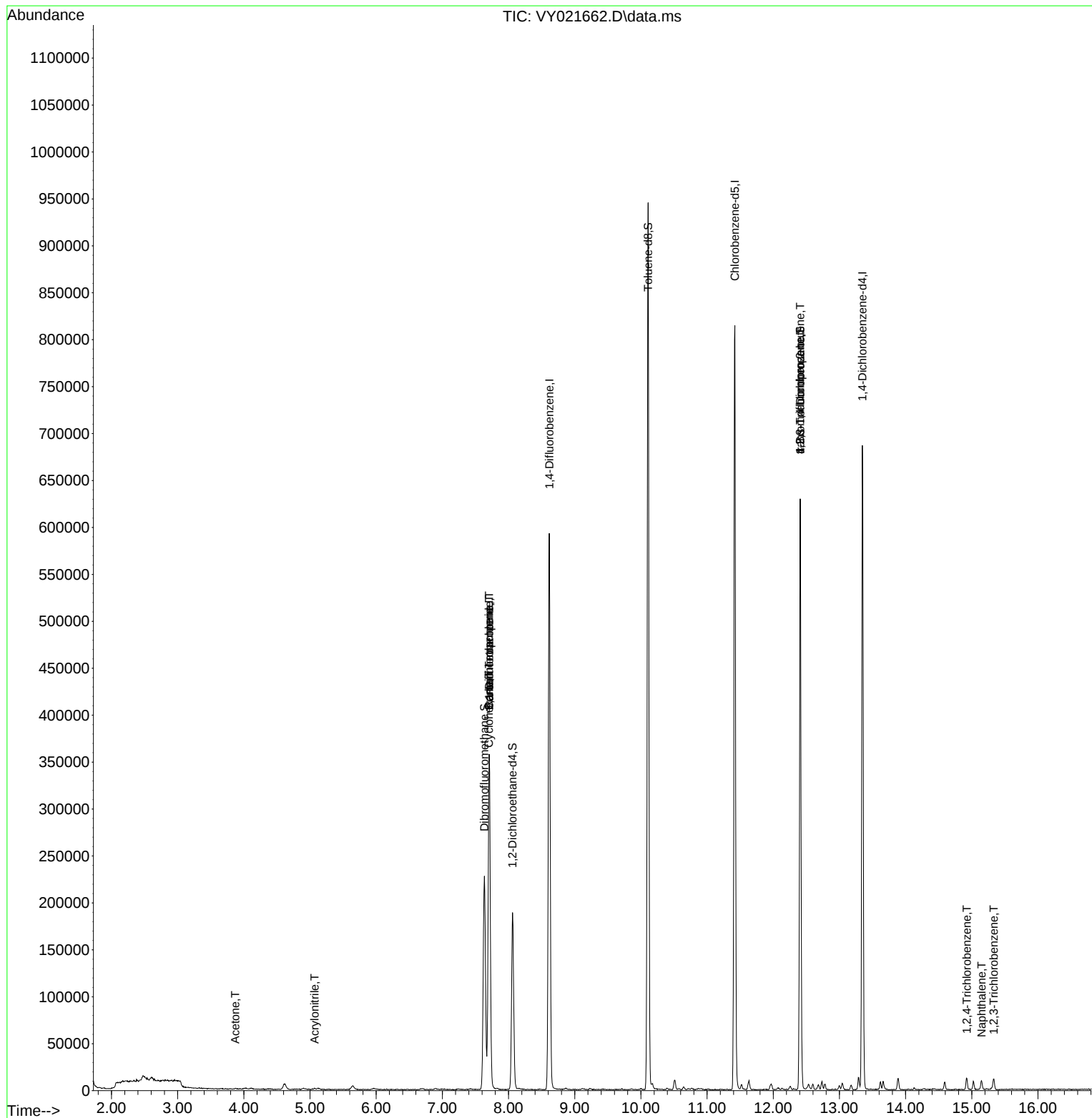
Internal Standards						
1) Pentafluorobenzene	7.707	168	268784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	491305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	431161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	167864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149070	51.188	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.380%	
35) Dibromofluoromethane	7.634	113	160565	50.381	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.760%	
50) Toluene-d8	10.109	98	595497	49.116	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.240%	
62) 4-Bromofluorobenzene	12.408	95	180049	43.903	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.800%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.068	53	1059	1.643	ug/l #	78
16) Acetone	3.873	43	1264	2.121	ug/l #	81
20) Methylene Chloride	4.610	84	4135	Below Cal	#	85
31) Cyclohexane	7.701	56	6547	1.274	ug/l #	6
36) 1,1-Dichloropropene	7.707	75	21818	4.495	ug/l #	51
38) Carbon Tetrachloride	7.707	117	28248	5.081	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	94719	56.924	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	94719	131.162	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.926	180	3898	1.400	ug/l	92
95) Naphthalene	15.151	128	7736	1.676	ug/l	97
96) 1,2,3-Trichlorobenzene	15.334	180	3569	1.503	ug/l	98

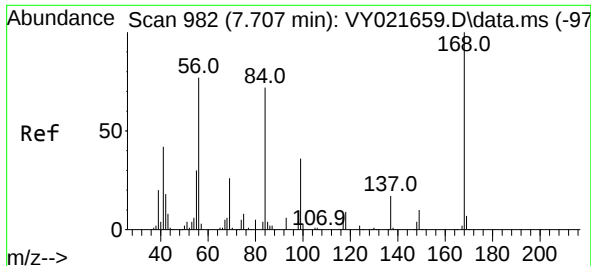
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021662.D
Acq On : 27 Mar 2025 12:35
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Mar 28 03:48:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

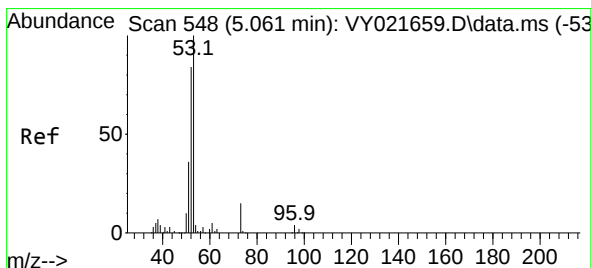
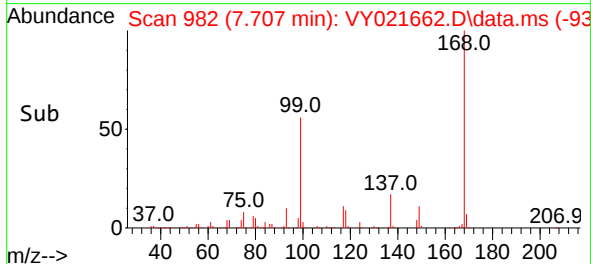
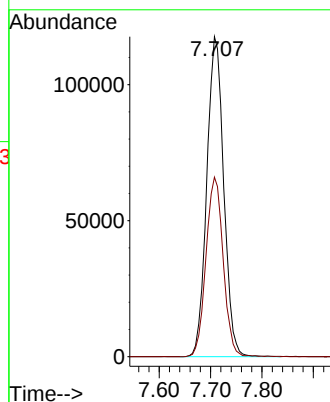
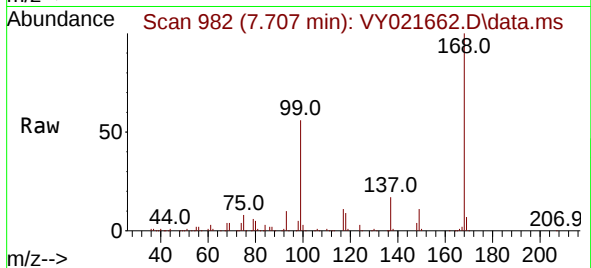




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021662.D
Acq: 27 Mar 2025 12:35

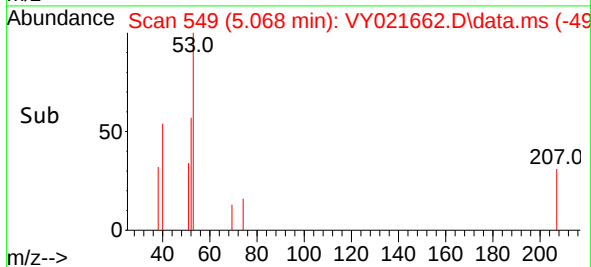
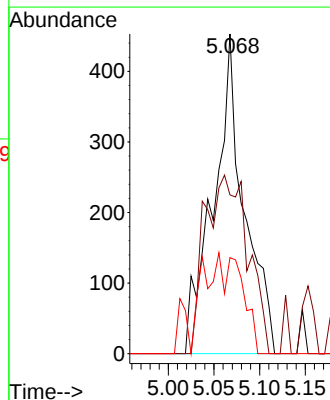
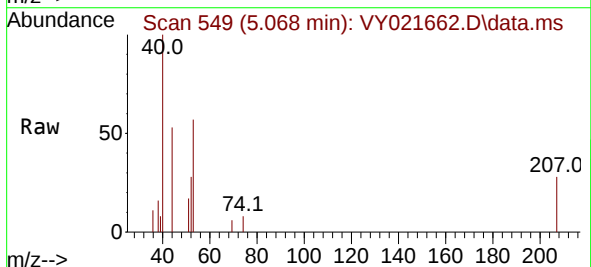
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

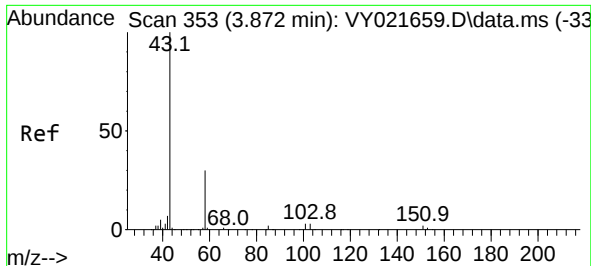
Tgt Ion:168 Resp: 268784
Ion Ratio Lower Upper
168 100
99 56.1 46.7 70.1



#15
Acrylonitrile
Concen: 1.643 ug/l
RT: 5.068 min Scan# 549
Delta R.T. 0.006 min
Lab File: VY021662.D
Acq: 27 Mar 2025 12:35

Tgt Ion: 53 Resp: 1059
Ion Ratio Lower Upper
53 100
52 78.7 64.9 97.3
51 0.0 30.2 45.2#





#16

Acetone

Concen: 2.121 ug/l

RT: 3.873 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY021662.D

Acq: 27 Mar 2025 12:35

Instrument :

MSVOA_Y

ClientSampleId :

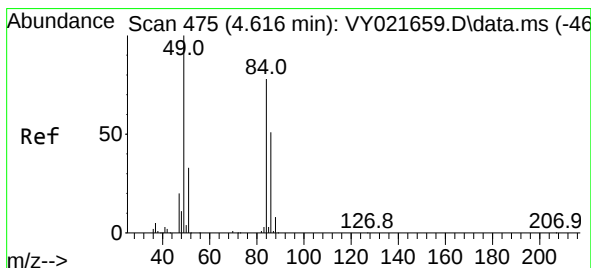
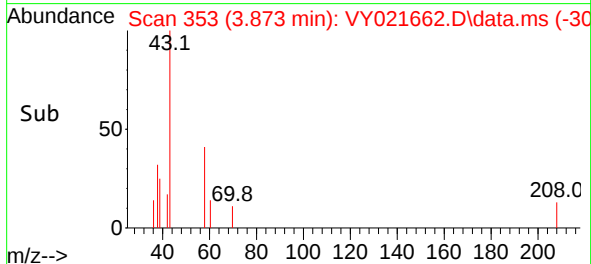
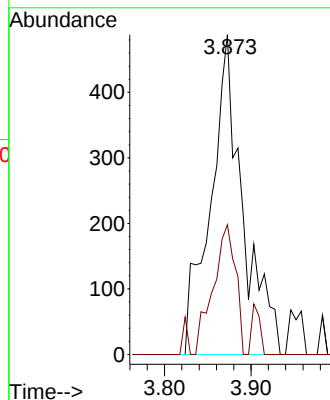
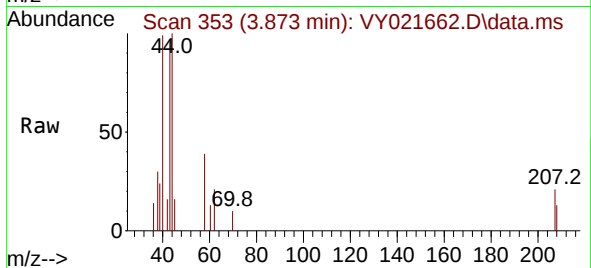
VIBLK

Tgt Ion: 43 Resp: 1264

Ion Ratio Lower Upper

43 100

58 40.6 24.2 36.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY021662.D

Acq: 27 Mar 2025 12:35

Tgt Ion: 84 Resp: 4135

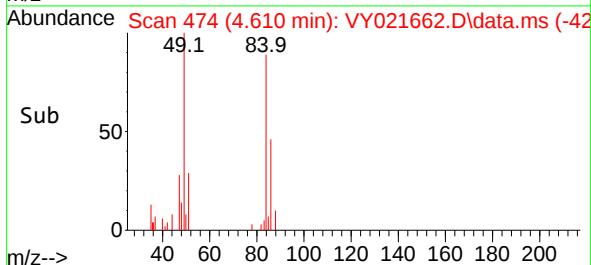
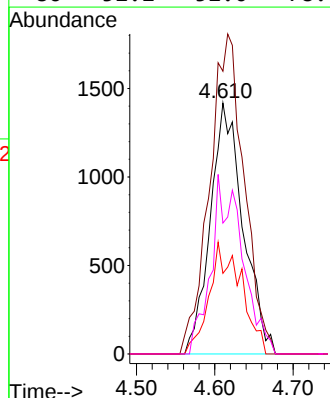
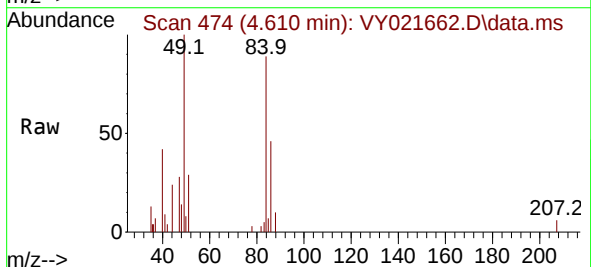
Ion Ratio Lower Upper

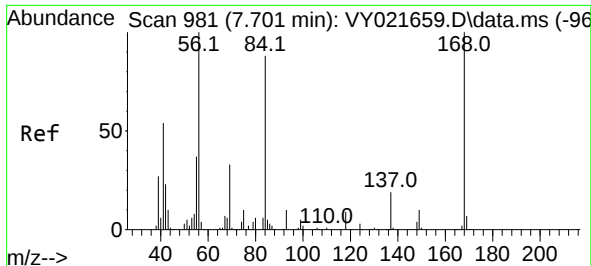
84 100

49 112.6 102.8 154.2

51 32.2 33.5 50.3#

86 52.2 52.0 78.0

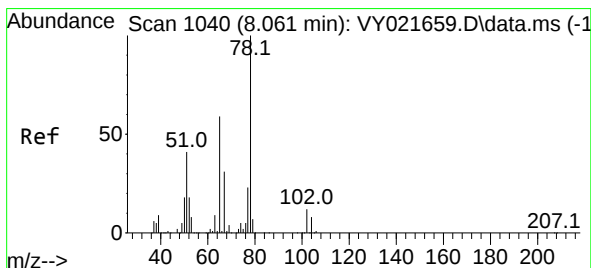
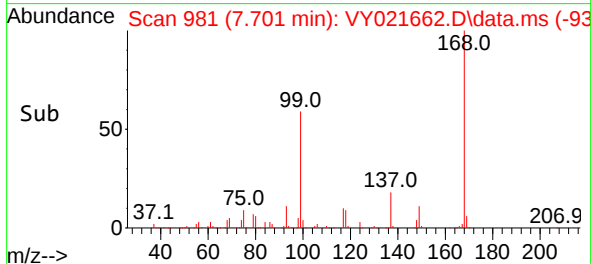
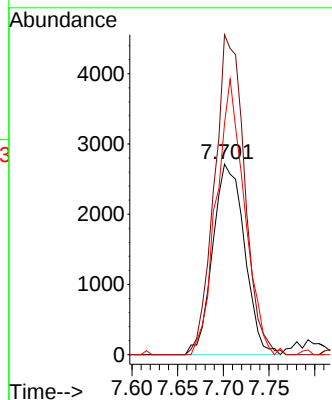
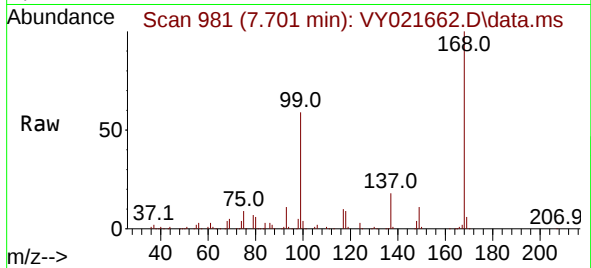




#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021662.D
Acq: 27 Mar 2025 12:35

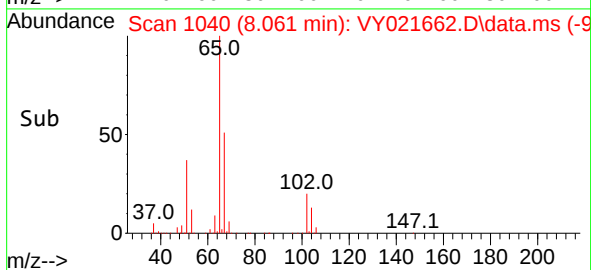
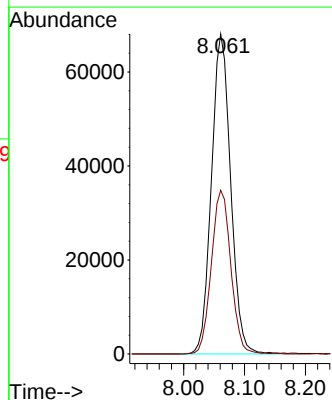
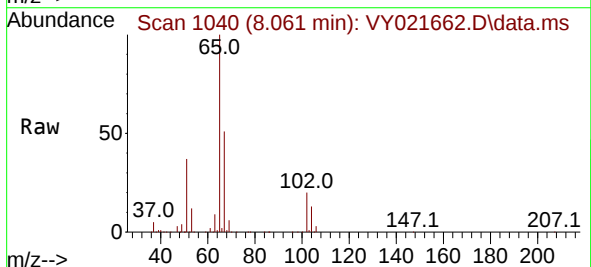
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

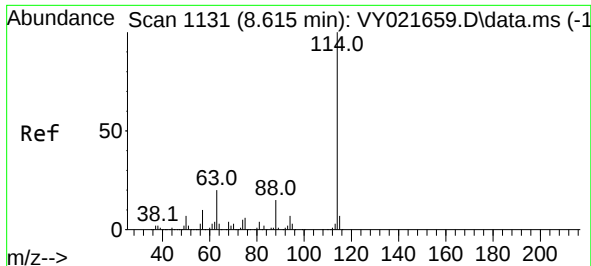
Tgt Ion: 56 Resp: 6547
Ion Ratio Lower Upper
56 100
69 167.9 26.6 40.0#
84 121.3 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 51.188 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021662.D
Acq: 27 Mar 2025 12:35

Tgt Ion: 65 Resp: 149070
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.6

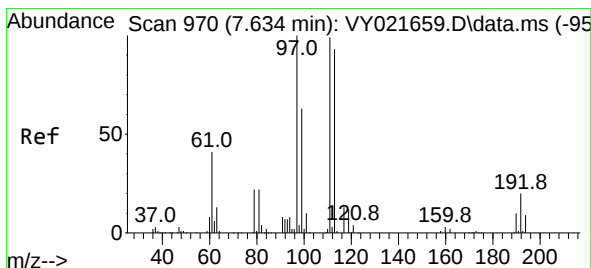
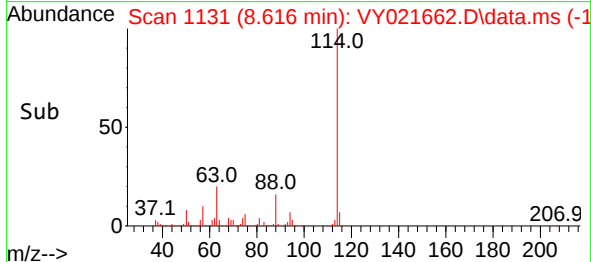
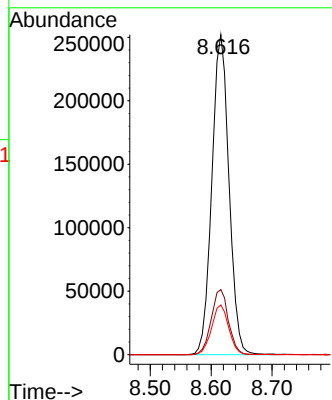
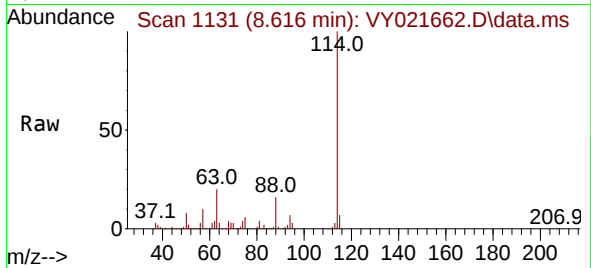




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021662.D
Acq: 27 Mar 2025 12:35

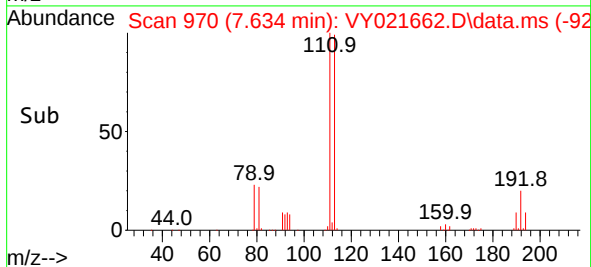
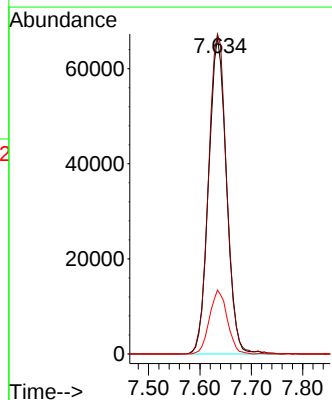
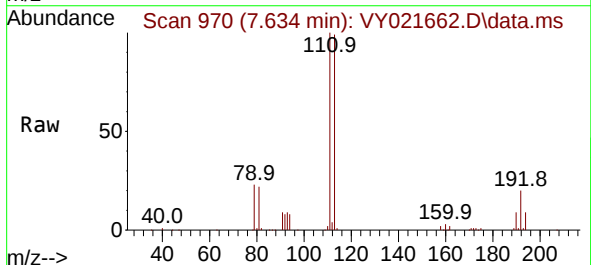
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

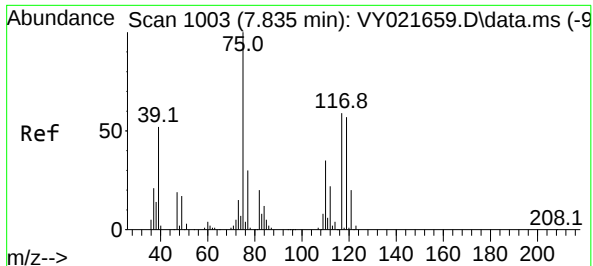
Tgt Ion:114 Resp: 491305
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.2
88 15.5 0.0 29.8



#35
Dibromofluoromethane
Concen: 50.381 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021662.D
Acq: 27 Mar 2025 12:35

Tgt Ion:113 Resp: 160565
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 20.1 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.495 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021662.D

Acq: 27 Mar 2025 12:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

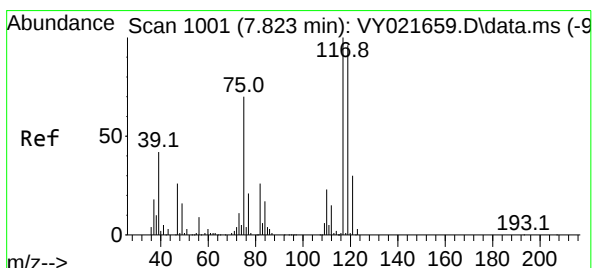
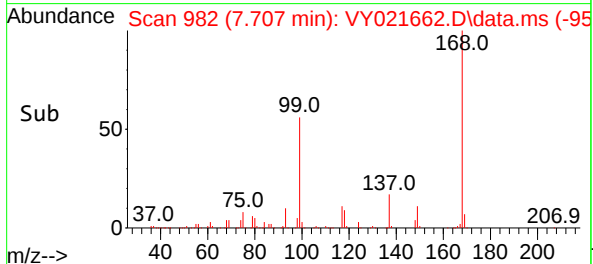
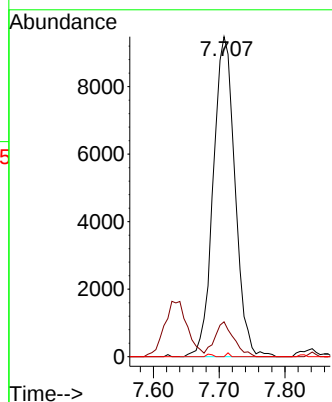
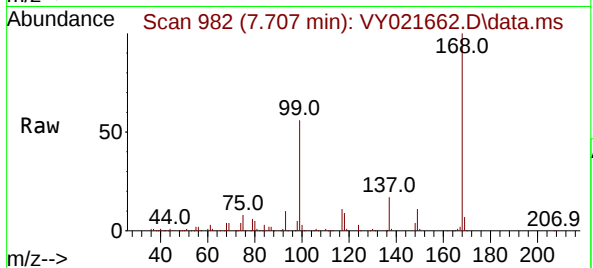
Tgt Ion: 75 Resp: 21818

Ion Ratio Lower Upper

75 100

110 9.6 17.0 50.9#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.081 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021662.D

Acq: 27 Mar 2025 12:35

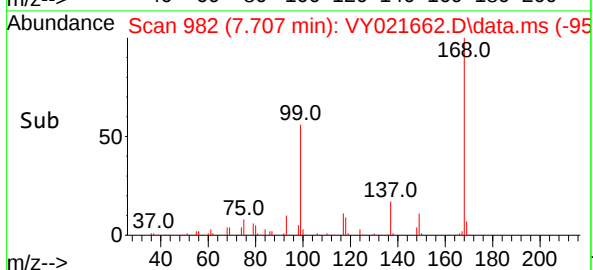
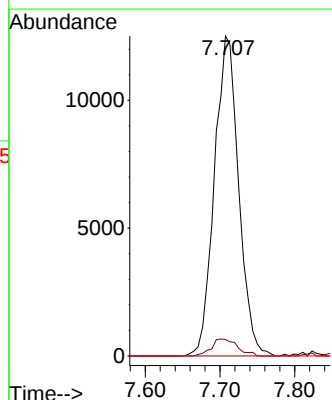
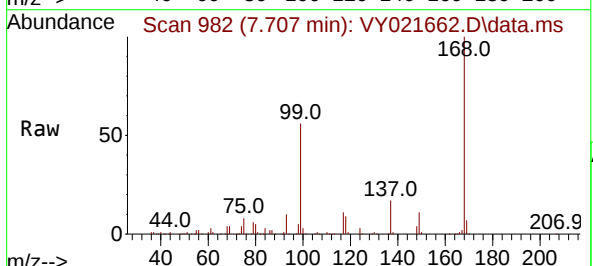
Tgt Ion: 117 Resp: 28248

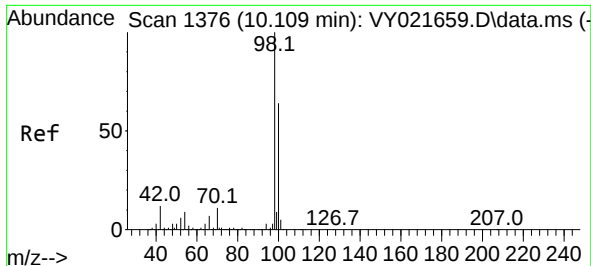
Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.4#

121 0.0 24.2 36.4#

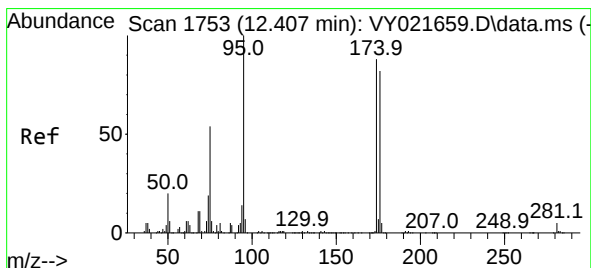
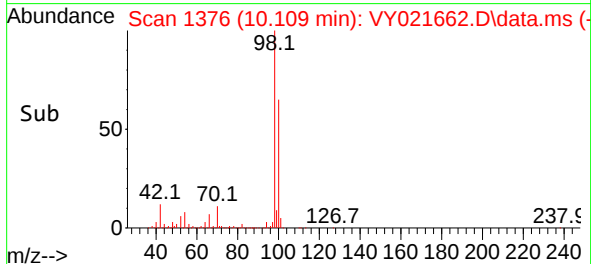
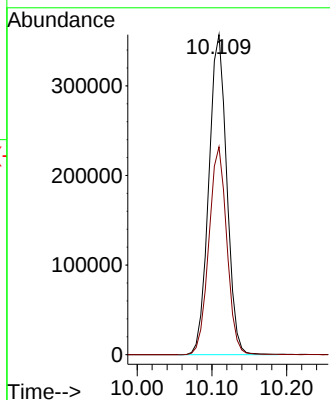
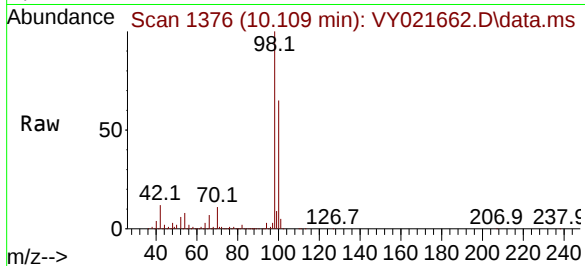




#50
Toluene-d8
Concen: 49.116 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021662.D
Acq: 27 Mar 2025 12:35

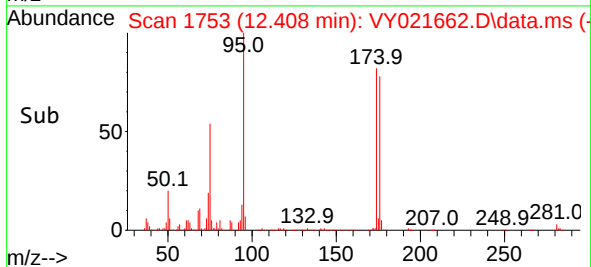
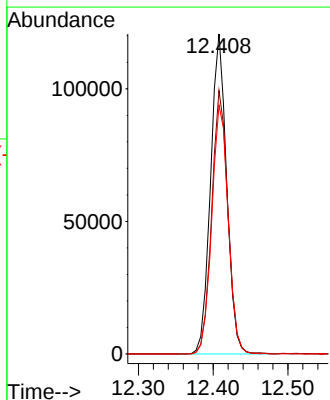
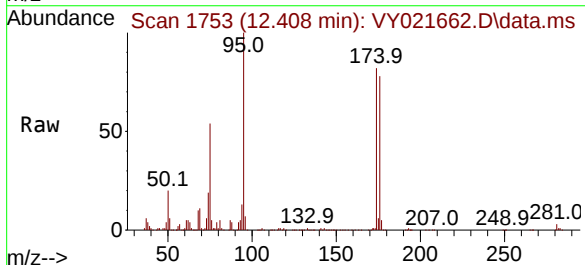
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

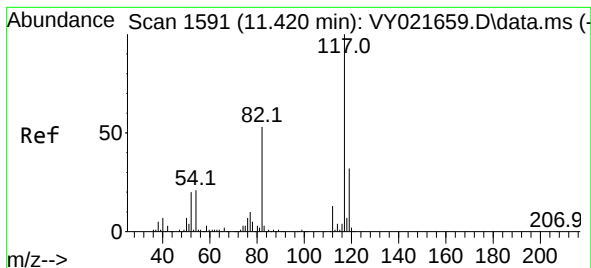
Tgt Ion: 98 Resp: 595497
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 43.903 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021662.D
Acq: 27 Mar 2025 12:35

Tgt Ion: 95 Resp: 180049
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.8
176 79.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021662.D

Acq: 27 Mar 2025 12:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

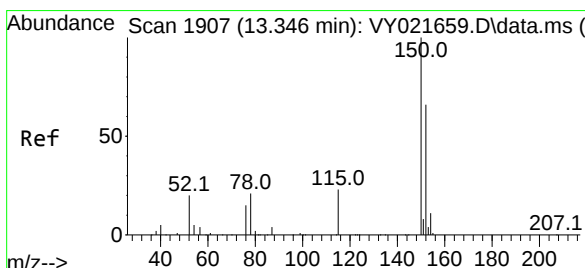
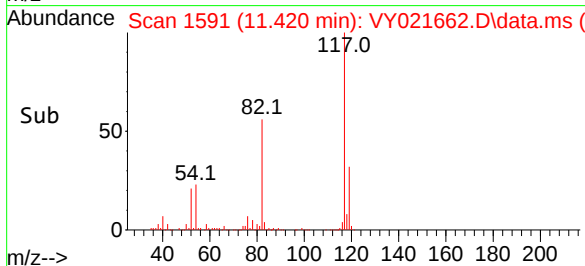
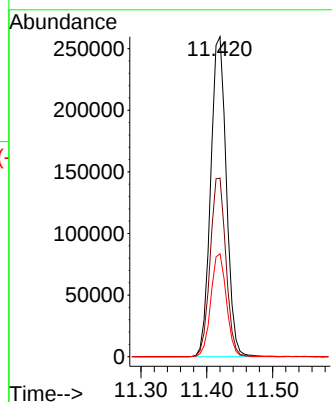
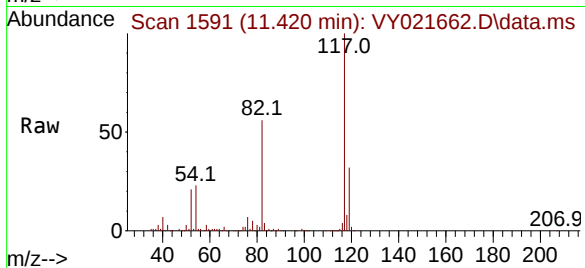
Tgt Ion:117 Resp: 431161

Ion Ratio Lower Upper

117 100

82 55.8 42.8 64.2

119 32.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021662.D

Acq: 27 Mar 2025 12:35

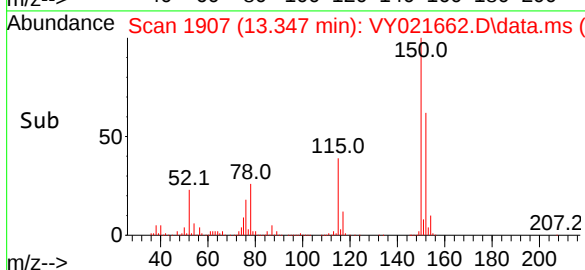
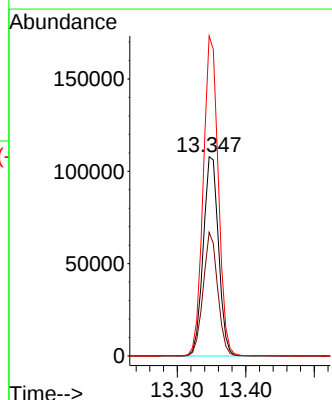
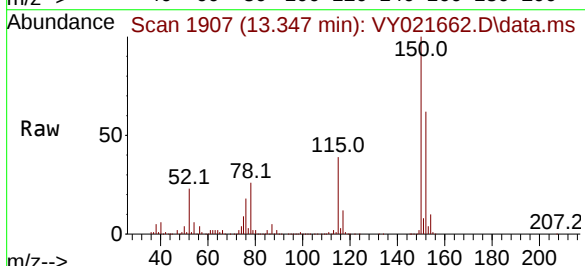
Tgt Ion:152 Resp: 167864

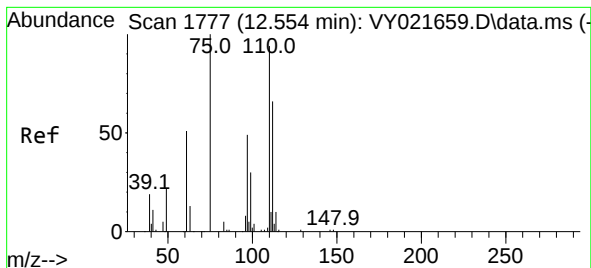
Ion Ratio Lower Upper

152 100

115 59.2 28.8 86.5

150 158.0 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 56.924 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021662.D

Acq: 27 Mar 2025 12:35

Instrument :

MSVOA_Y

ClientSampleId :

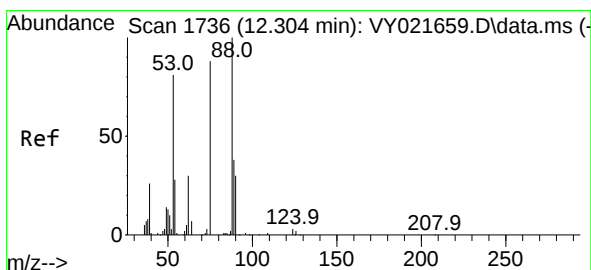
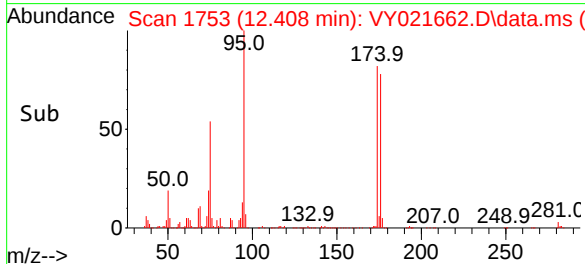
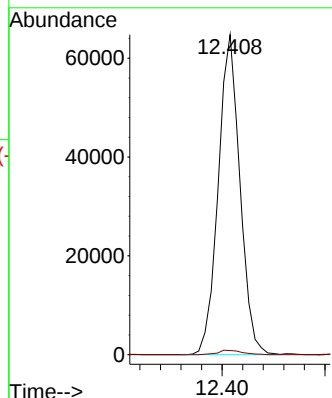
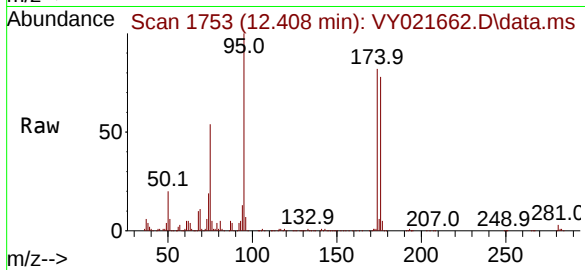
VIBLK

Tgt Ion: 75 Resp: 94719

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.162 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021662.D

Acq: 27 Mar 2025 12:35

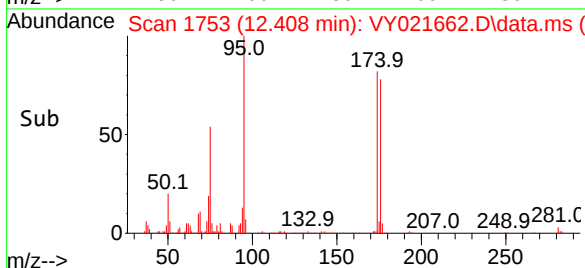
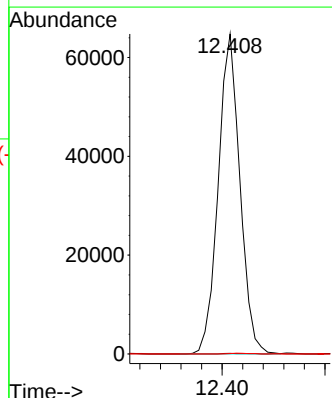
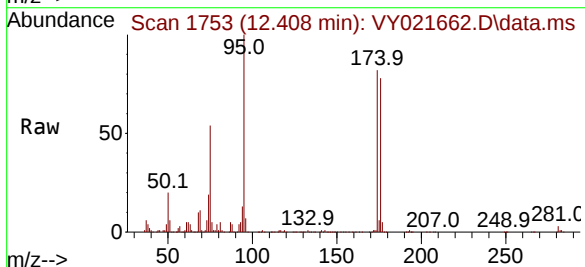
Tgt Ion: 75 Resp: 94719

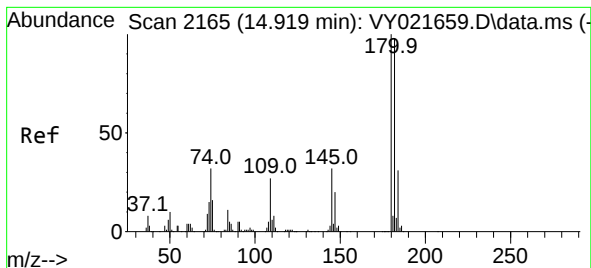
Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.2 36.2 54.4#





#93

1,2,4-Trichlorobenzene

Concen: 1.400 ug/l

RT: 14.926 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY021662.D

Acq: 27 Mar 2025 12:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

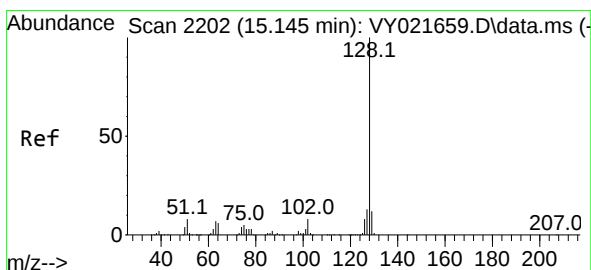
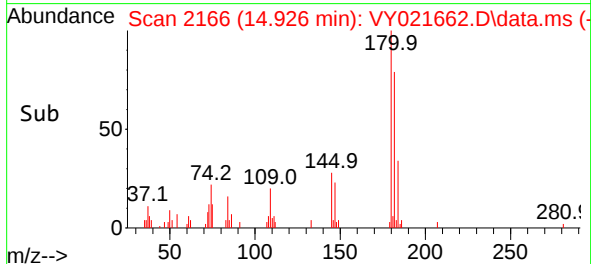
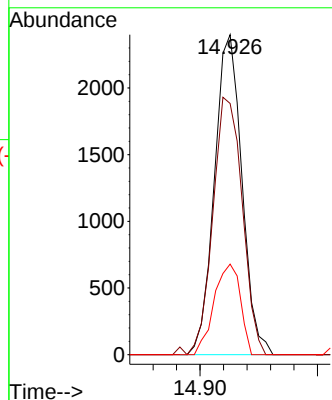
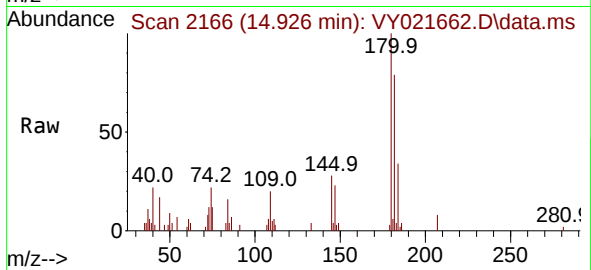
Tgt Ion:180 Resp: 3898

Ion Ratio Lower Upper

180 100

182 86.2 47.5 142.6

145 27.0 14.9 44.9



#95

Naphthalene

Concen: 1.676 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY021662.D

Acq: 27 Mar 2025 12:35

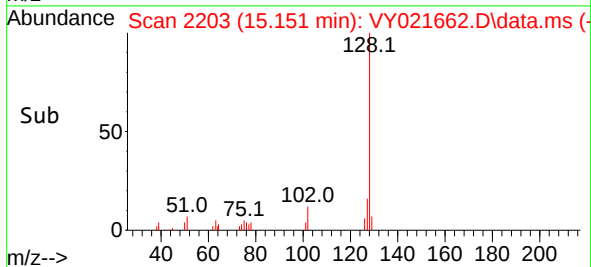
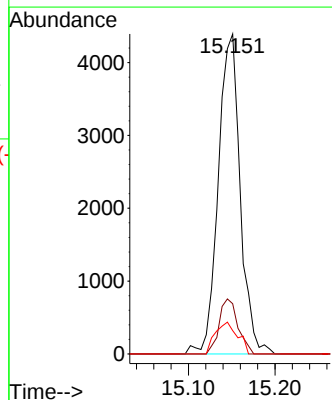
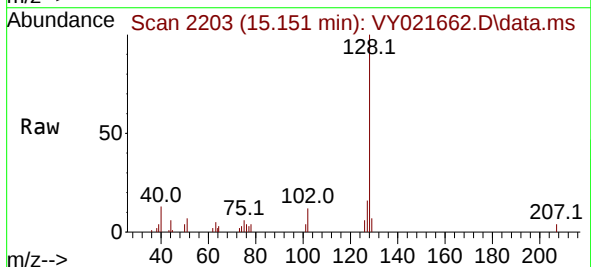
Tgt Ion:128 Resp: 7736

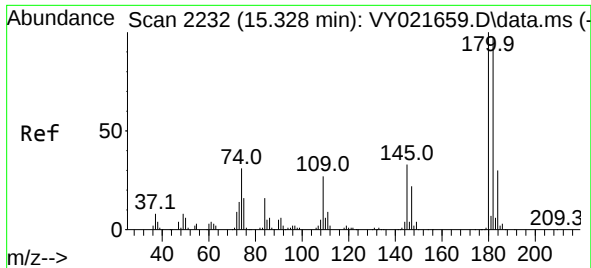
Ion Ratio Lower Upper

128 100

127 14.7 10.8 16.2

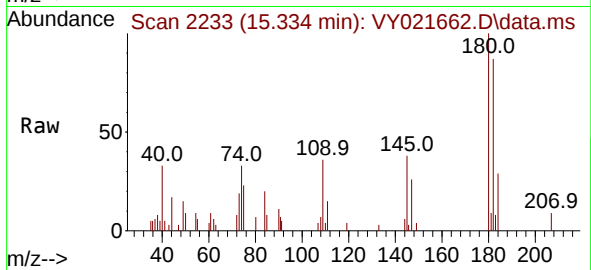
129 10.1 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.503 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY021662.D
 Acq: 27 Mar 2025 12:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion:	180	Resp:	3569
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.5	142.5
145	32.3	15.9	47.7

