

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
 Data File : VY021026.D
 Acq On : 03 Feb 2025 13:11
 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: Feb 04 00:47:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	154333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	274021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	234650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	89295	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	81084	51.278	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.560%	
35) Dibromofluoromethane	7.640	113	87139	49.620	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.240%	
50) Toluene-d8	10.109	98	326766	48.876	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.760%	
62) 4-Bromofluorobenzene	12.414	95	96547	44.203	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.400%	

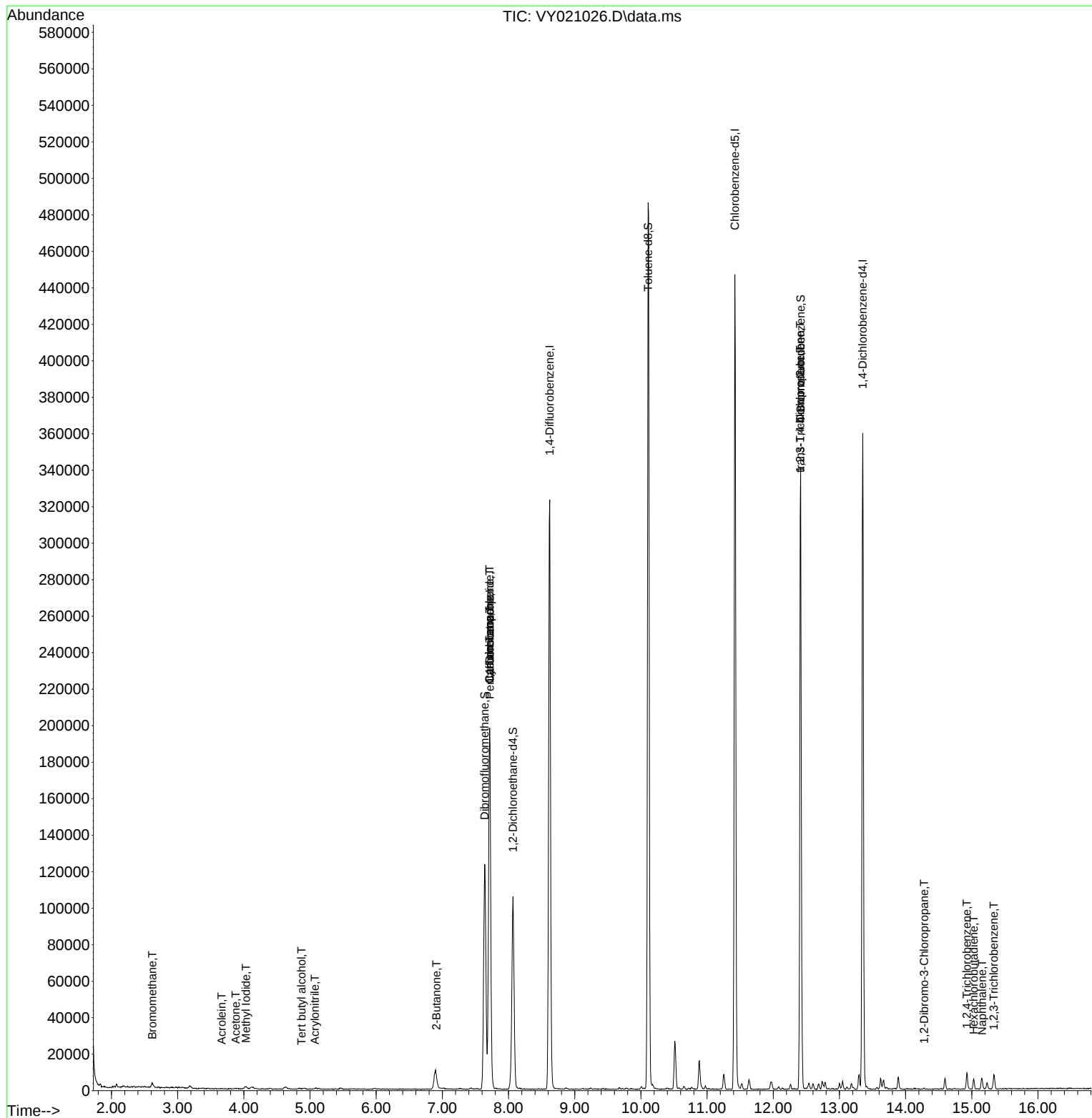
Target Compounds				Qvalue		
5) Bromomethane	2.617	94	1326	1.570	ug/l	87
10) Methyl Iodide	4.031	142	2542	1.465	ug/l	97
11) Tert butyl alcohol	4.872	59	274	2.557	ug/l #	75
13) Acrolein	3.665	56	226	1.370	ug/l #	44
15) Acrylonitrile	5.074	53	584	1.805	ug/l #	83
16) Acetone	3.879	43	823	3.337	ug/l	90
25) 2-Butanone	6.909	43	860	2.122	ug/l #	48
31) Cyclohexane	7.713	56	3416	1.267	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	11870	4.563	ug/l #	50
38) Carbon Tetrachloride	7.713	117	15623	5.140	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	51375	63.425	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	51375	129.417	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.279	75	185	1.067	ug/l	52
93) 1,2,4-Trichlorobenzene	14.926	180	2799	1.864	ug/l	96
94) Hexachlorobutadiene	15.029	225	1047	1.052	ug/l	94
95) Naphthalene	15.157	128	5226	2.175	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	2848	2.279	ug/l	98

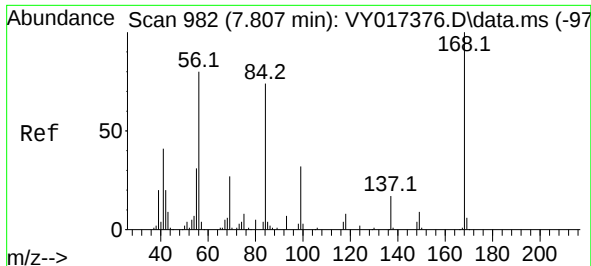
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A_Y\Data\VY020325\
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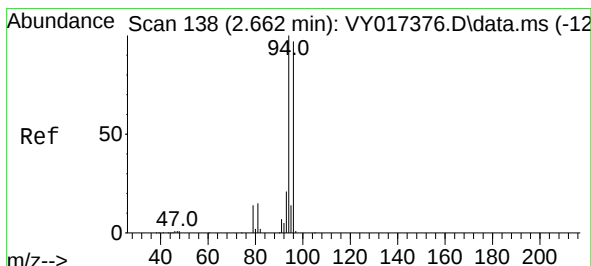
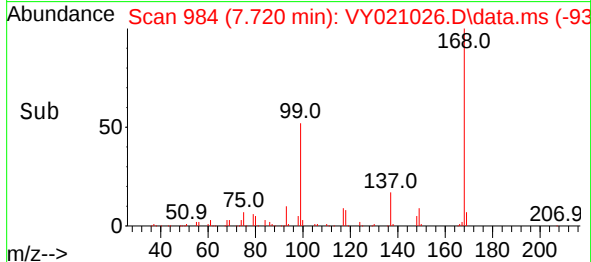
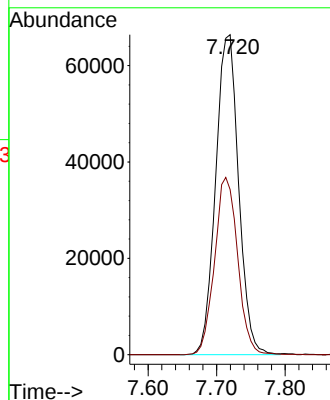
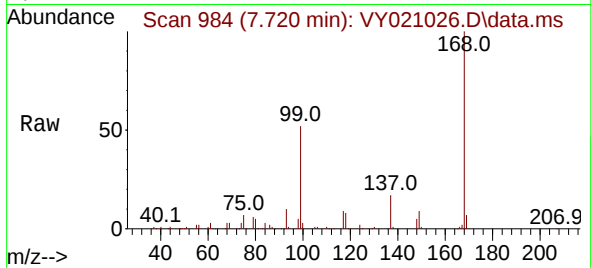




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 90
Delta R.T. 0.007 min
Lab File: VY021026.D
Acq: 03 Feb 2025 13:11

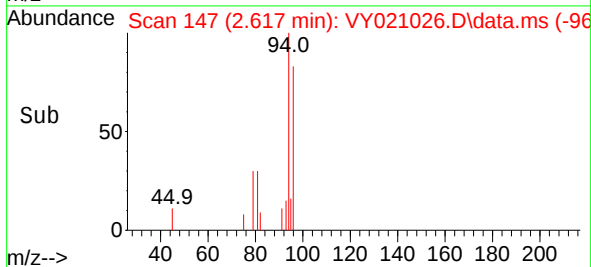
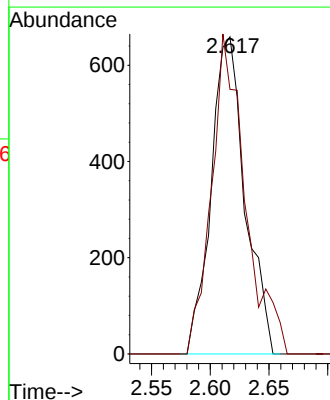
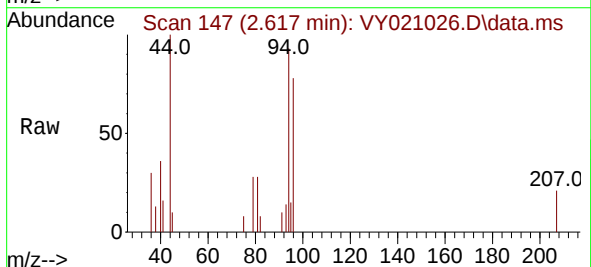
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

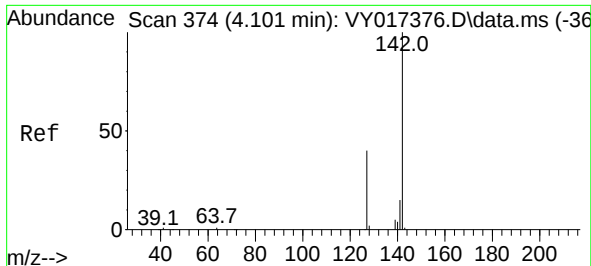
Tgt Ion:168 Resp: 154333
Ion Ratio Lower Upper
168 100
99 51.6 44.2 66.4



#5
Bromomethane
Concen: 1.570 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.012 min
Lab File: VY021026.D
Acq: 03 Feb 2025 13:11

Tgt Ion: 94 Resp: 1326
Ion Ratio Lower Upper
94 100
96 83.5 77.3 115.9





#10

Methyl Iodide

Concen: 1.465 ug/l

RT: 4.031 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

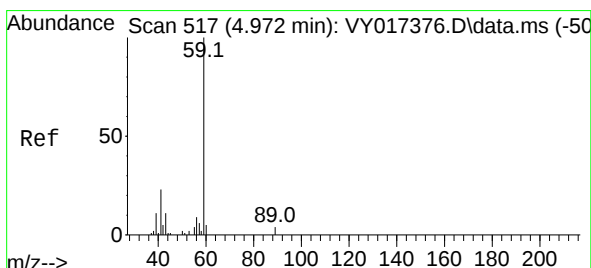
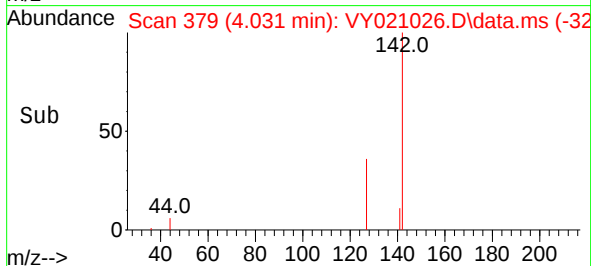
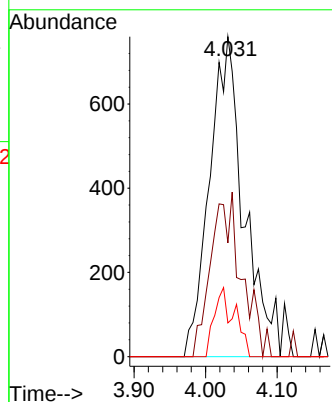
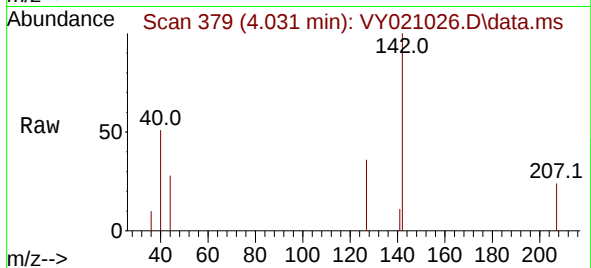
Tgt Ion:142 Resp: 2542

Ion Ratio Lower Upper

142 100

127 45.6 35.1 52.7

141 12.7 11.8 17.6



#11

Tert butyl alcohol

Concen: 2.557 ug/l

RT: 4.872 min Scan# 517

Delta R.T. -0.000 min

Lab File: VY021026.D

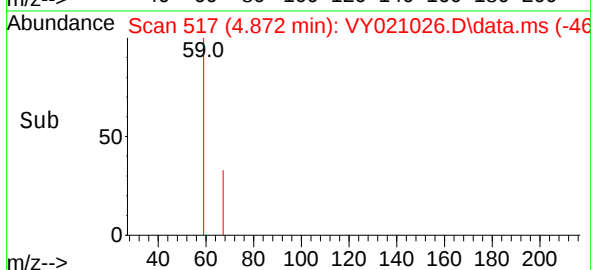
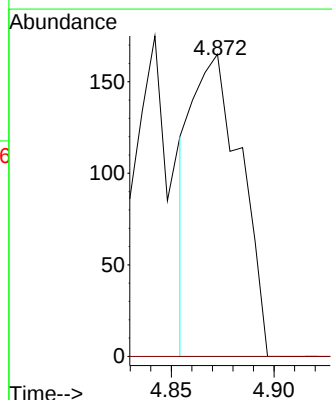
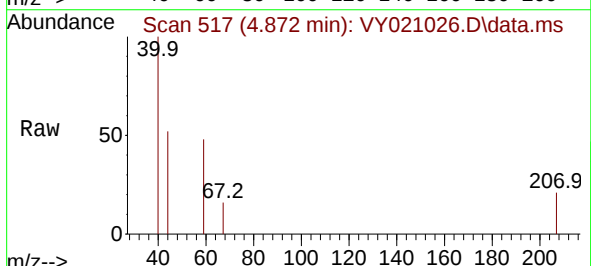
Acq: 03 Feb 2025 13:11

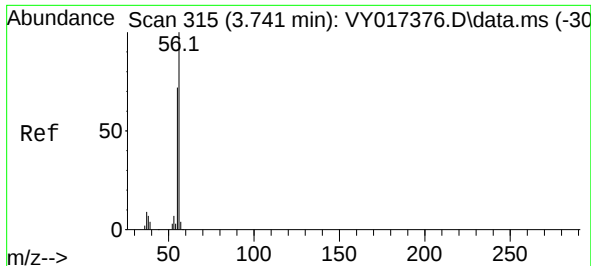
Tgt Ion: 59 Resp: 274

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#

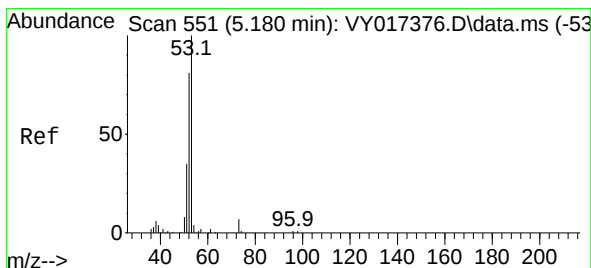
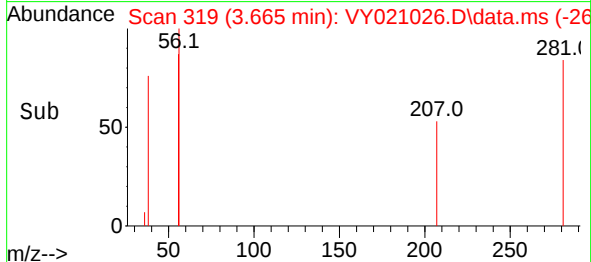
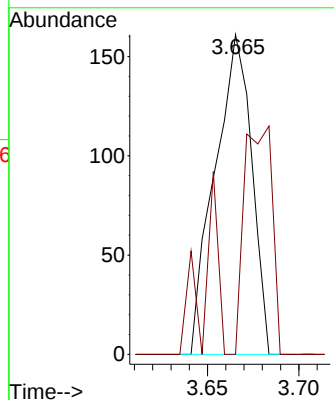
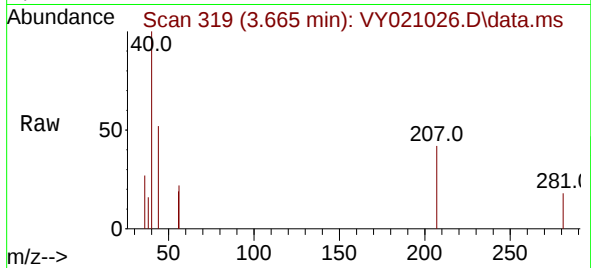




#13
Acrolein
Concen: 1.370 ug/l
RT: 3.665 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY021026.D
Acq: 03 Feb 2025 13:11

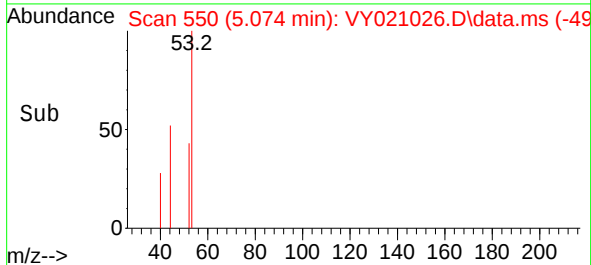
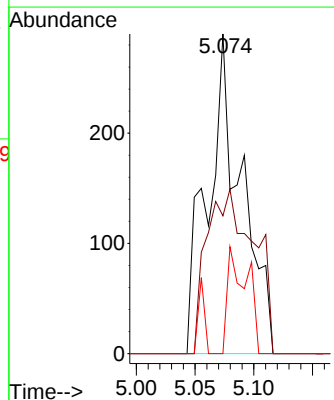
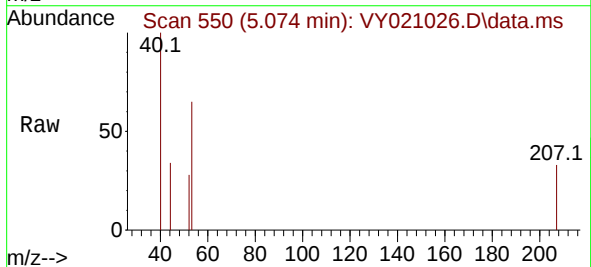
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

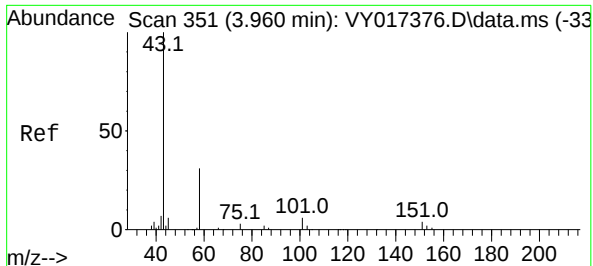
Tgt Ion: 56 Resp: 226
Ion Ratio Lower Upper
56 100
55 23.5 55.4 83.0#



#15
Acrylonitrile
Concen: 1.805 ug/l
RT: 5.074 min Scan# 550
Delta R.T. 0.012 min
Lab File: VY021026.D
Acq: 03 Feb 2025 13:11

Tgt Ion: 53 Resp: 584
Ion Ratio Lower Upper
53 100
52 71.2 65.1 97.7
51 19.0 29.0 43.4#





#16

Acetone

Concen: 3.337 ug/l

RT: 3.879 min Scan# 351

Delta R.T. -0.000 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

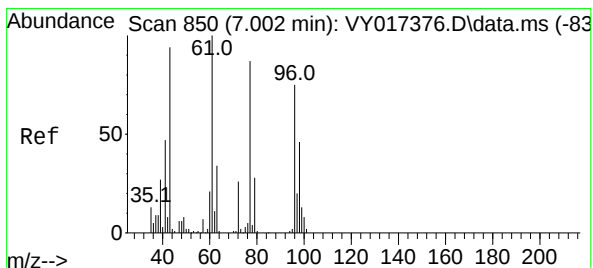
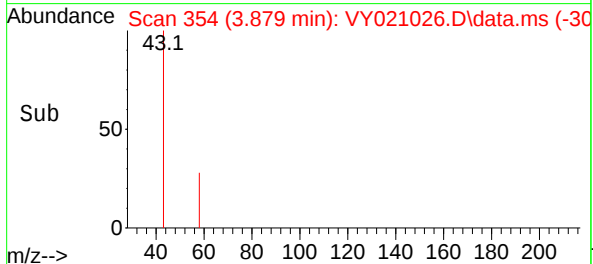
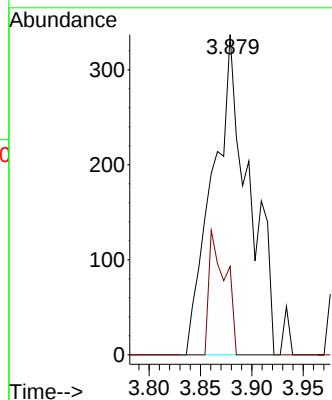
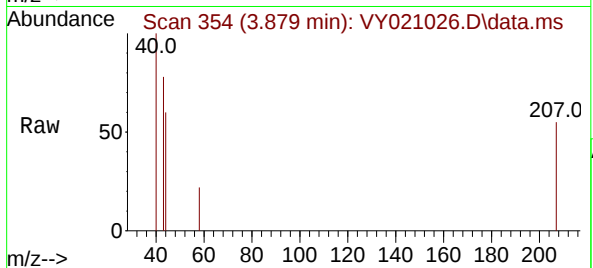
VIBLK

Tgt Ion: 43 Resp: 823

Ion Ratio Lower Upper

43 100

58 27.6 26.6 39.8



#25

2-Butanone

Concen: 2.122 ug/l

RT: 6.909 min Scan# 851

Delta R.T. 0.006 min

Lab File: VY021026.D

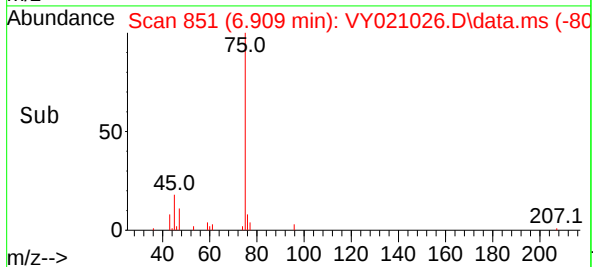
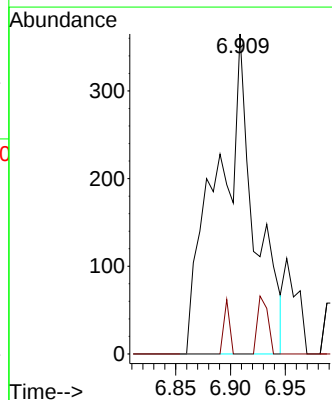
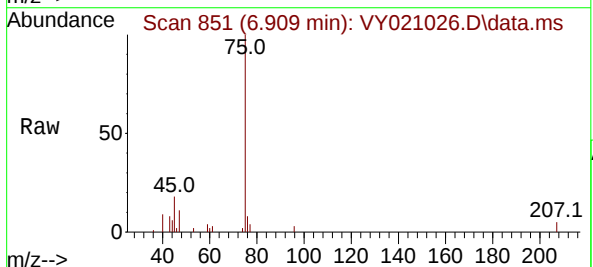
Acq: 03 Feb 2025 13:11

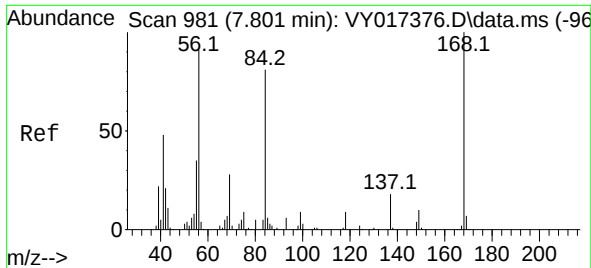
Tgt Ion: 43 Resp: 860

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#

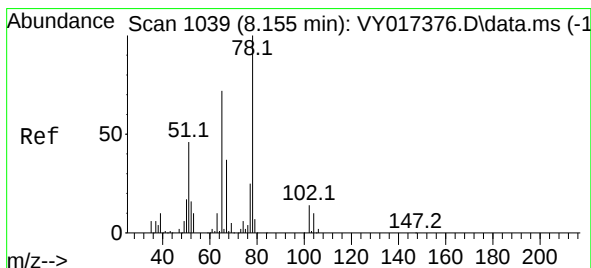
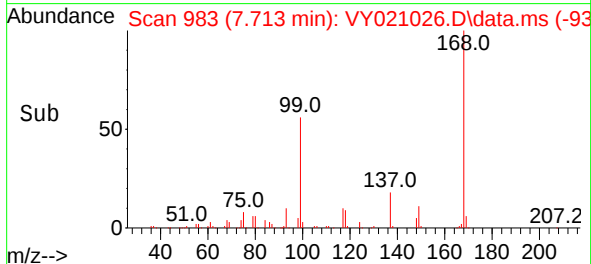
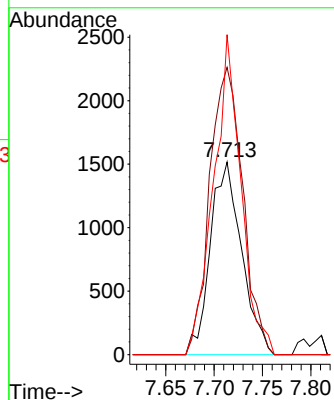
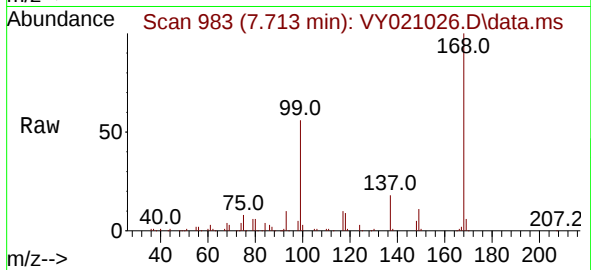




#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.713 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY021026.D
Acq: 03 Feb 2025 13:11

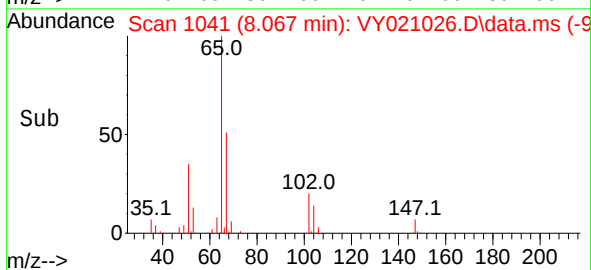
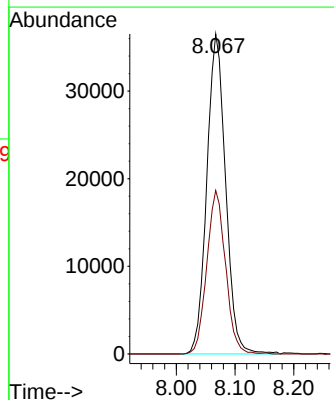
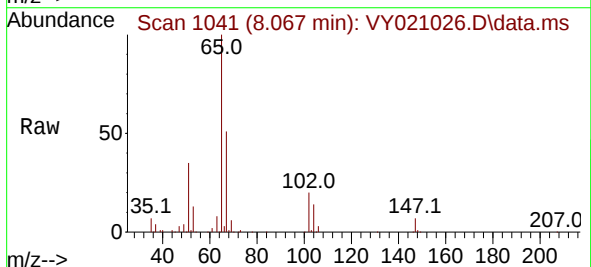
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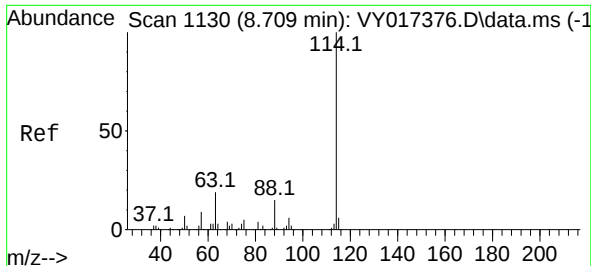
Tgt Ion: 56 Resp: 3416
Ion Ratio Lower Upper
56 100
69 149.2 27.0 40.6#
84 166.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 51.278 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021026.D
Acq: 03 Feb 2025 13:11

Tgt Ion: 65 Resp: 81084
Ion Ratio Lower Upper
65 100
67 50.9 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

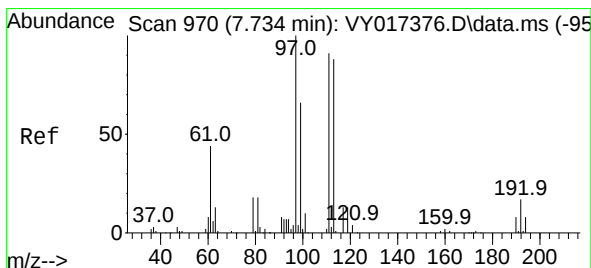
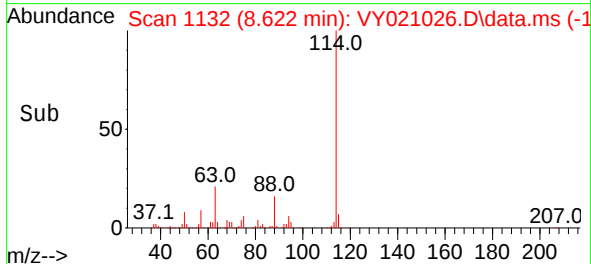
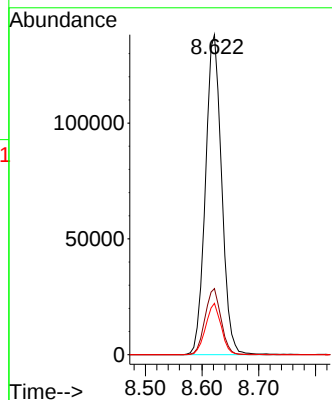
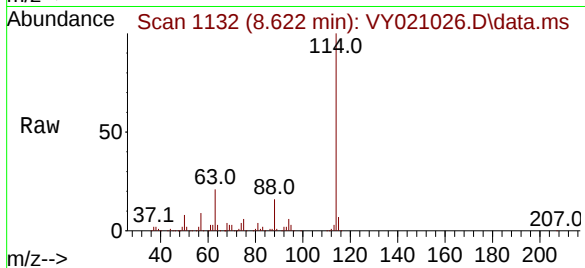
Tgt Ion:114 Resp: 274021

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 16.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.620 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

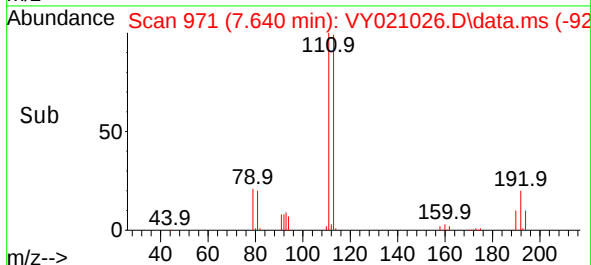
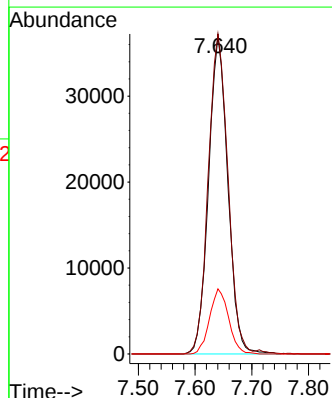
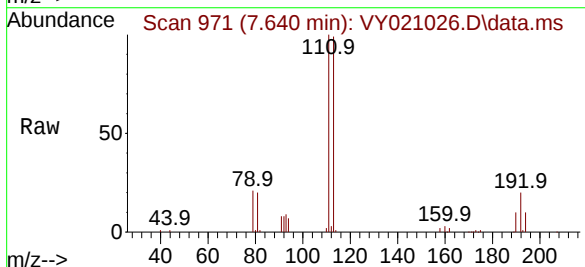
Tgt Ion:113 Resp: 87139

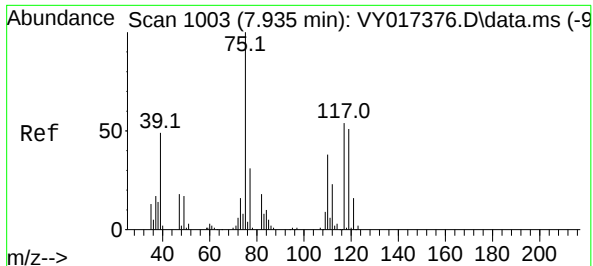
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 20.2 14.5 21.7

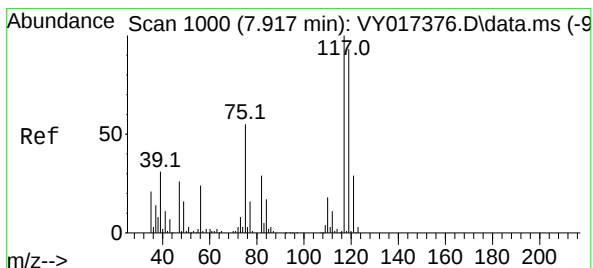
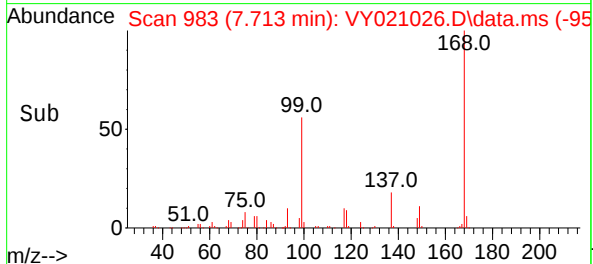
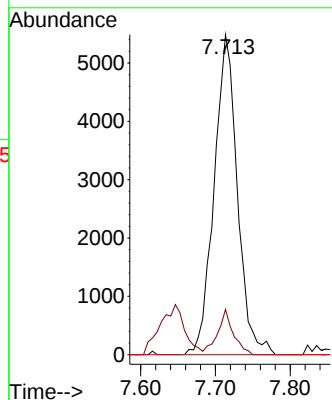
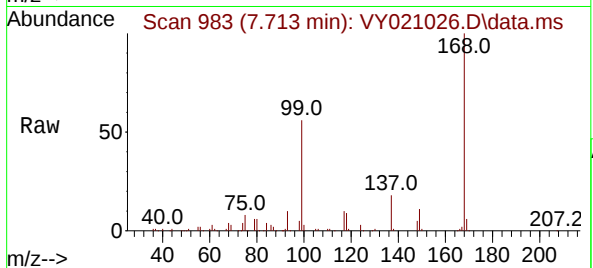




#36
1,1-Dichloropropene
Concen: 4.563 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY021026.D
Acq: 03 Feb 2025 13:11

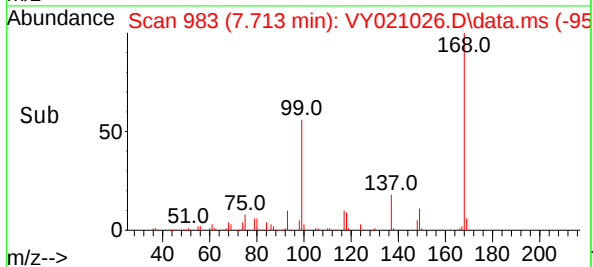
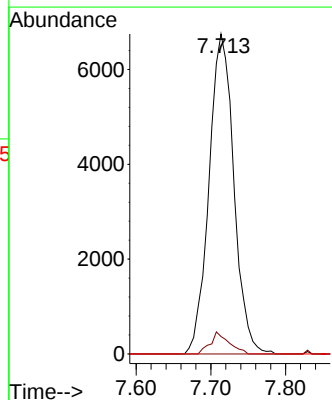
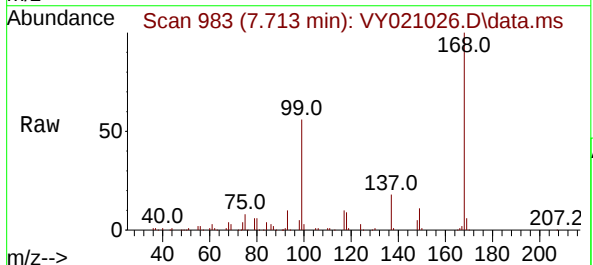
Instrument :
MSVOA_Y
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VIBLK

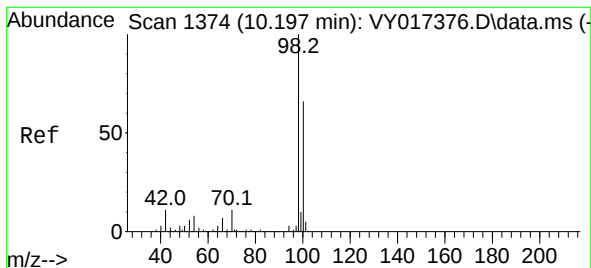
Tgt Ion: 75 Resp: 11870
Ion Ratio Lower Upper
75 100
110 9.5 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.140 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY021026.D
Acq: 03 Feb 2025 13:11

Tgt Ion: 117 Resp: 15623
Ion Ratio Lower Upper
117 100
119 5.4 76.0 114.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 48.876 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

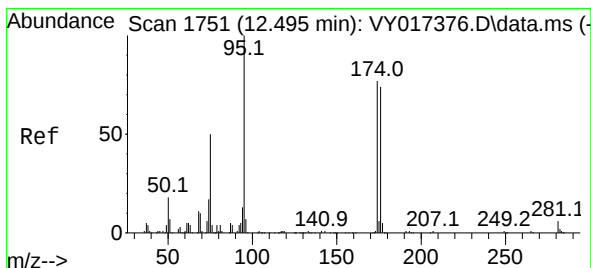
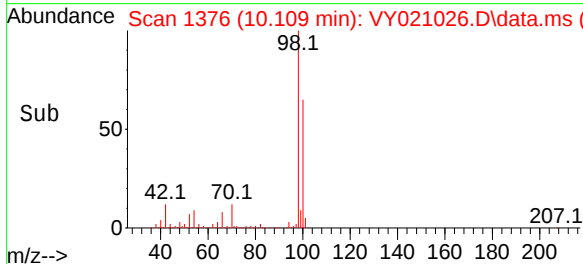
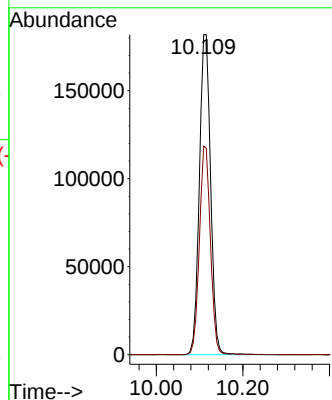
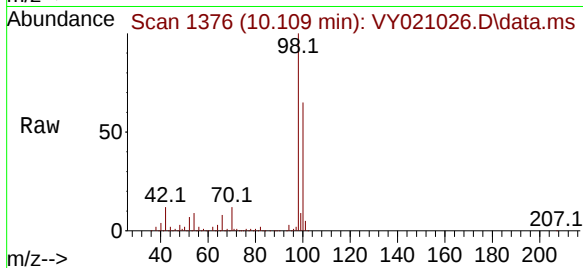
VIBLK

Tgt Ion: 98 Resp: 326766

Ion Ratio Lower Upper

98 100

100 64.0 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 44.203 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.000 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

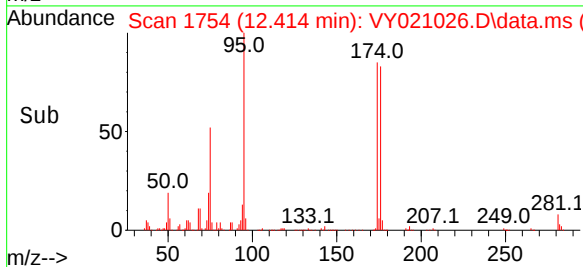
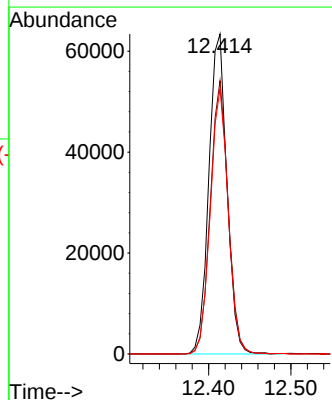
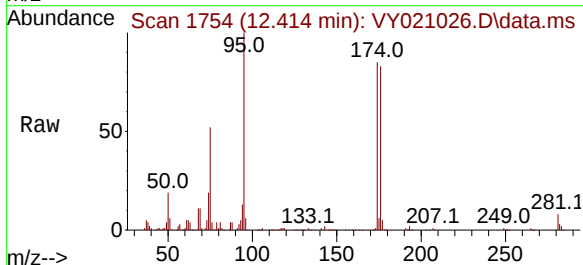
Tgt Ion: 95 Resp: 96547

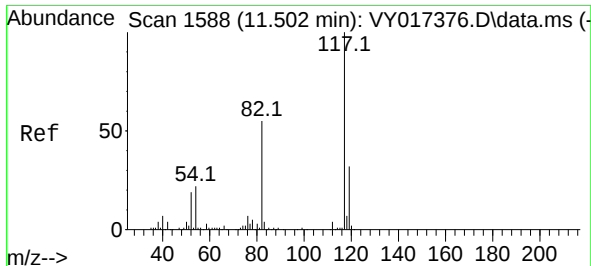
Ion Ratio Lower Upper

95 100

174 84.6 0.0 160.0

176 82.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

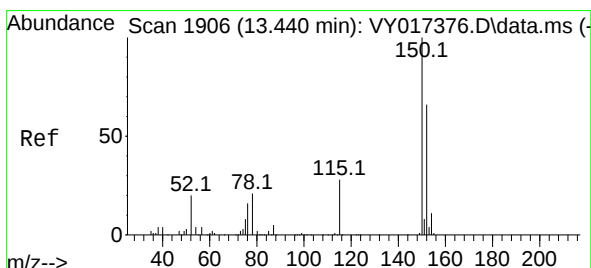
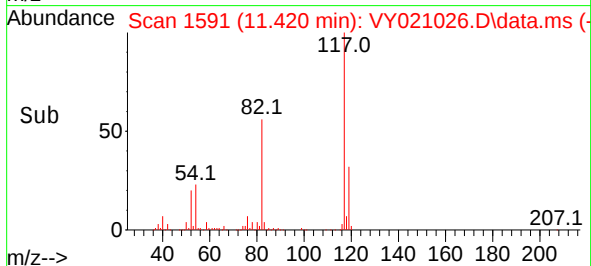
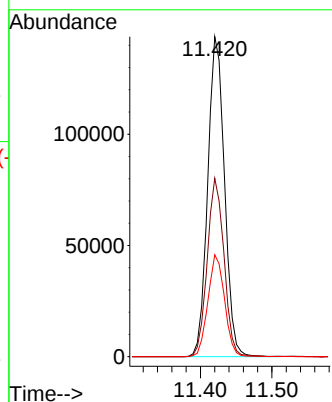
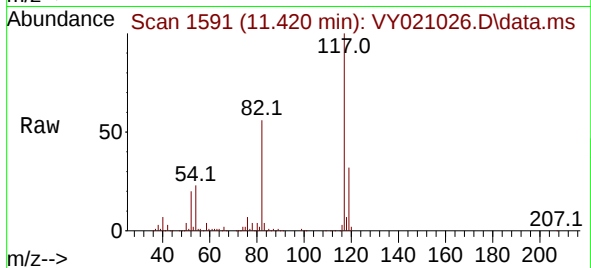
Tgt Ion:117 Resp: 234650

Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

119 31.9 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

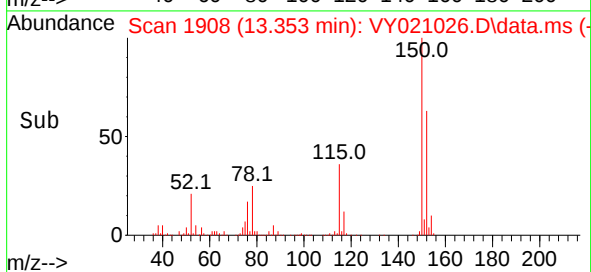
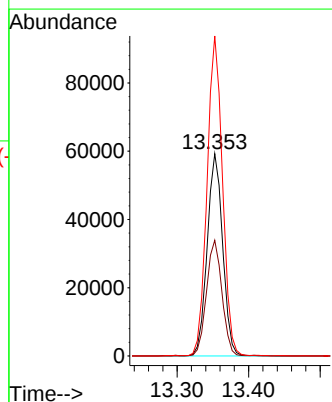
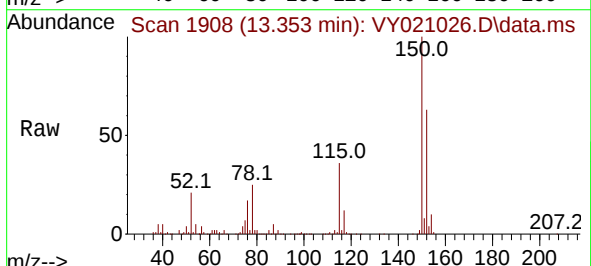
Tgt Ion:152 Resp: 89295

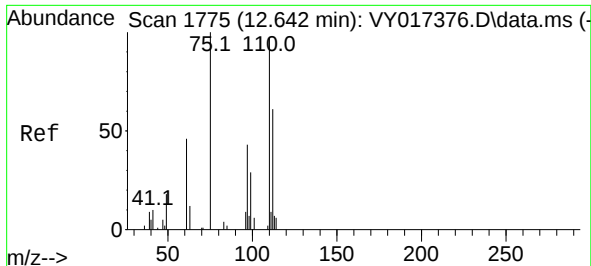
Ion Ratio Lower Upper

152 100

115 57.1 30.0 90.0

150 157.4 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 63.425 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

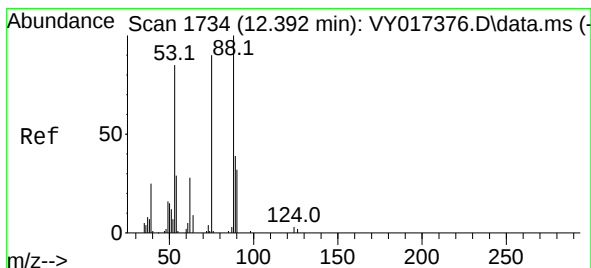
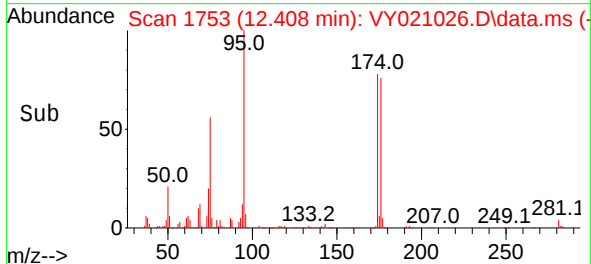
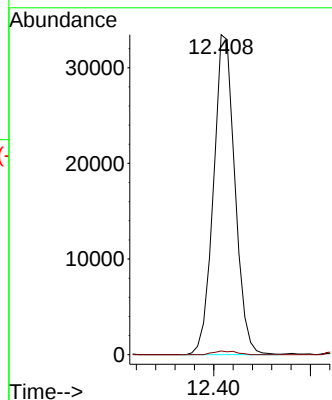
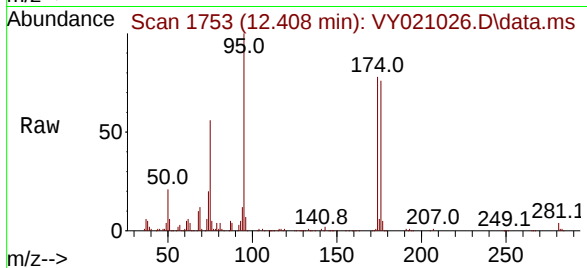
VIBLK

Tgt Ion: 75 Resp: 51375

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.417 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.098 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

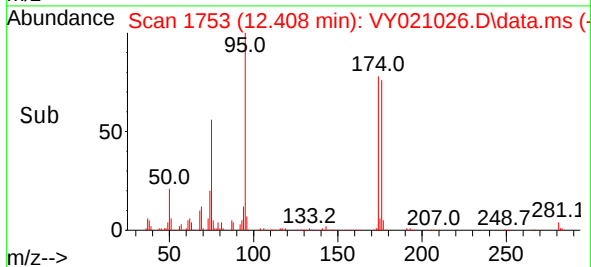
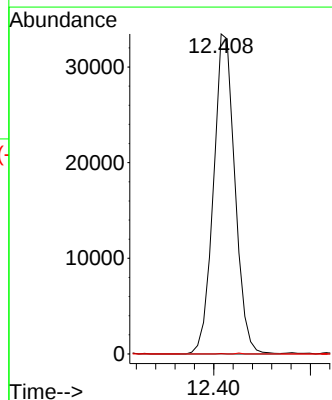
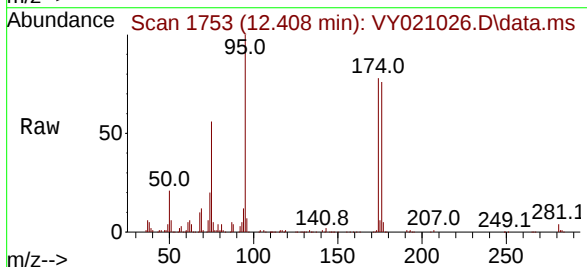
Tgt Ion: 75 Resp: 51375

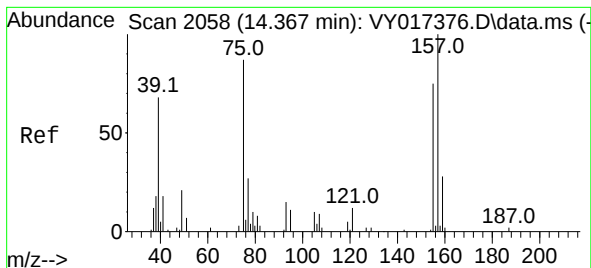
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.1 36.5 54.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.067 ug/l

RT: 14.279 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

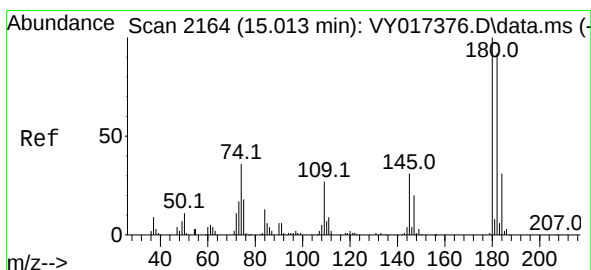
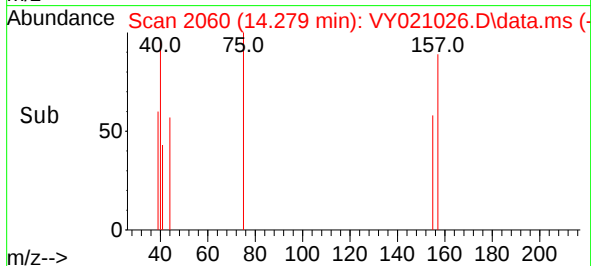
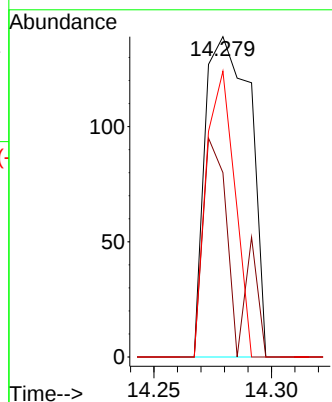
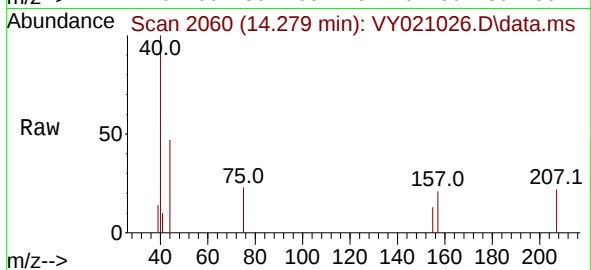
Tgt Ion: 75 Resp: 185

Ion Ratio Lower Upper

75 100

155 44.9 42.1 126.3

157 56.8 55.8 167.4



#93

1,2,4-Trichlorobenzene

Concen: 1.864 ug/l

RT: 14.926 min Scan# 2166

Delta R.T. -0.000 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

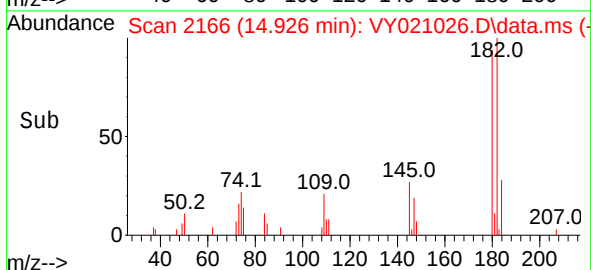
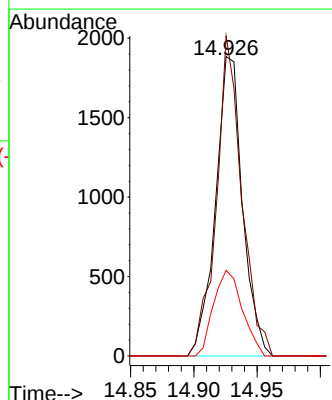
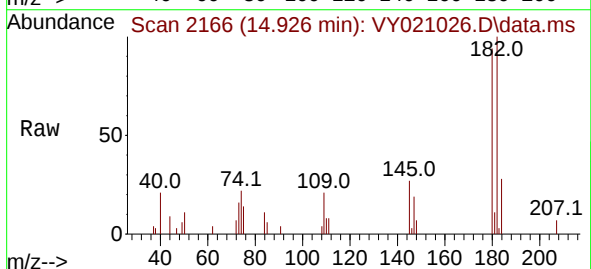
Tgt Ion:180 Resp: 2799

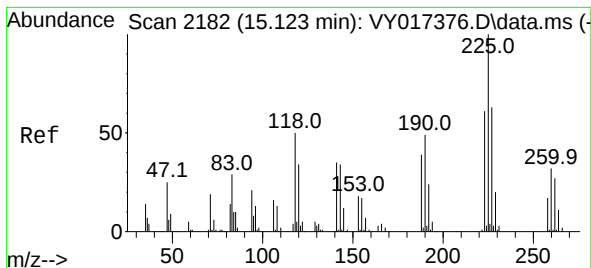
Ion Ratio Lower Upper

180 100

182 100.0 47.9 143.7

145 30.4 15.9 47.7





#94

Hexachlorobutadiene

Concen: 1.052 ug/l

RT: 15.029 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

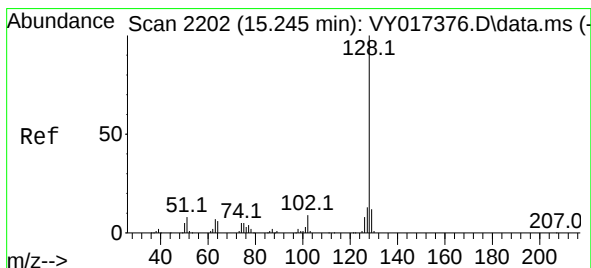
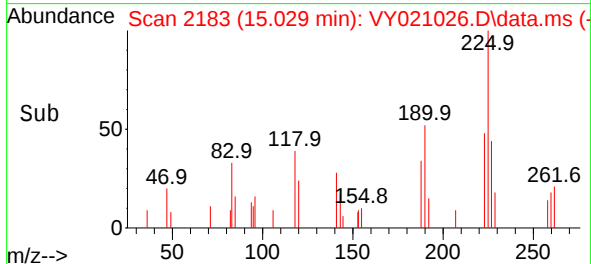
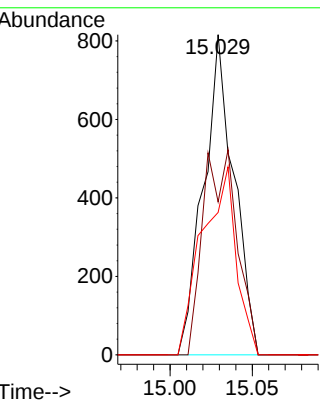
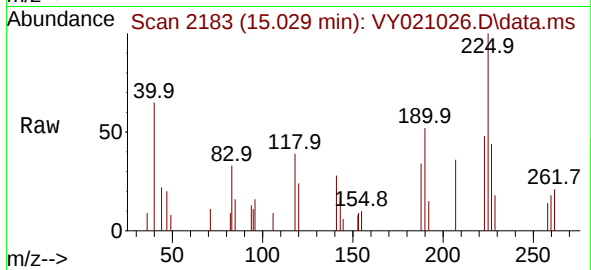
Tgt Ion:225 Resp: 1047

Ion Ratio Lower Upper

225 100

223 71.5 31.4 94.3

227 65.6 32.3 96.8



#95

Naphthalene

Concen: 2.175 ug/l

RT: 15.157 min Scan# 2204

Delta R.T. 0.006 min

Lab File: VY021026.D

Acq: 03 Feb 2025 13:11

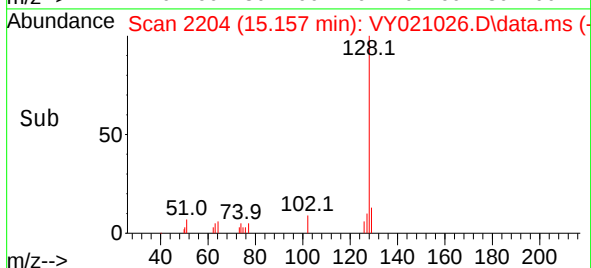
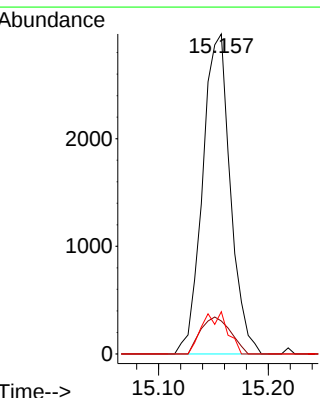
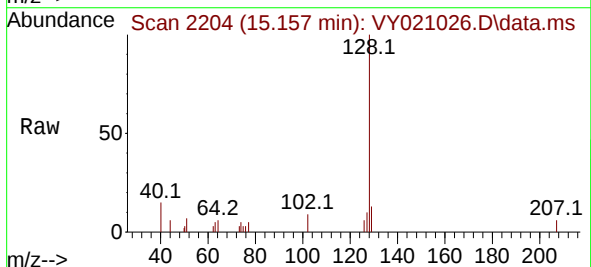
Tgt Ion:128 Resp: 5226

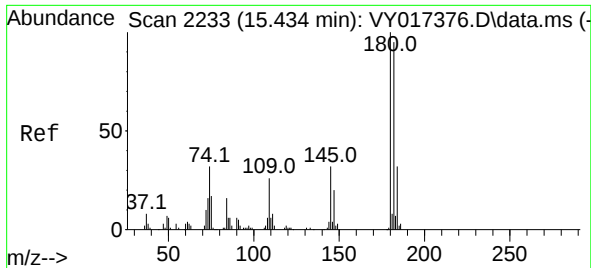
Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 12.0 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 2.279 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY021026.D
 Acq: 03 Feb 2025 13:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:	180	Resp:	2848
Ion	Ratio	Lower	Upper
180	100		
182	93.0	46.3	138.8
145	29.4	16.1	48.2

