

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
 Data File : VY020712.D
 Acq On : 26 Dec 2024 12:13
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 26 16:14:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

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

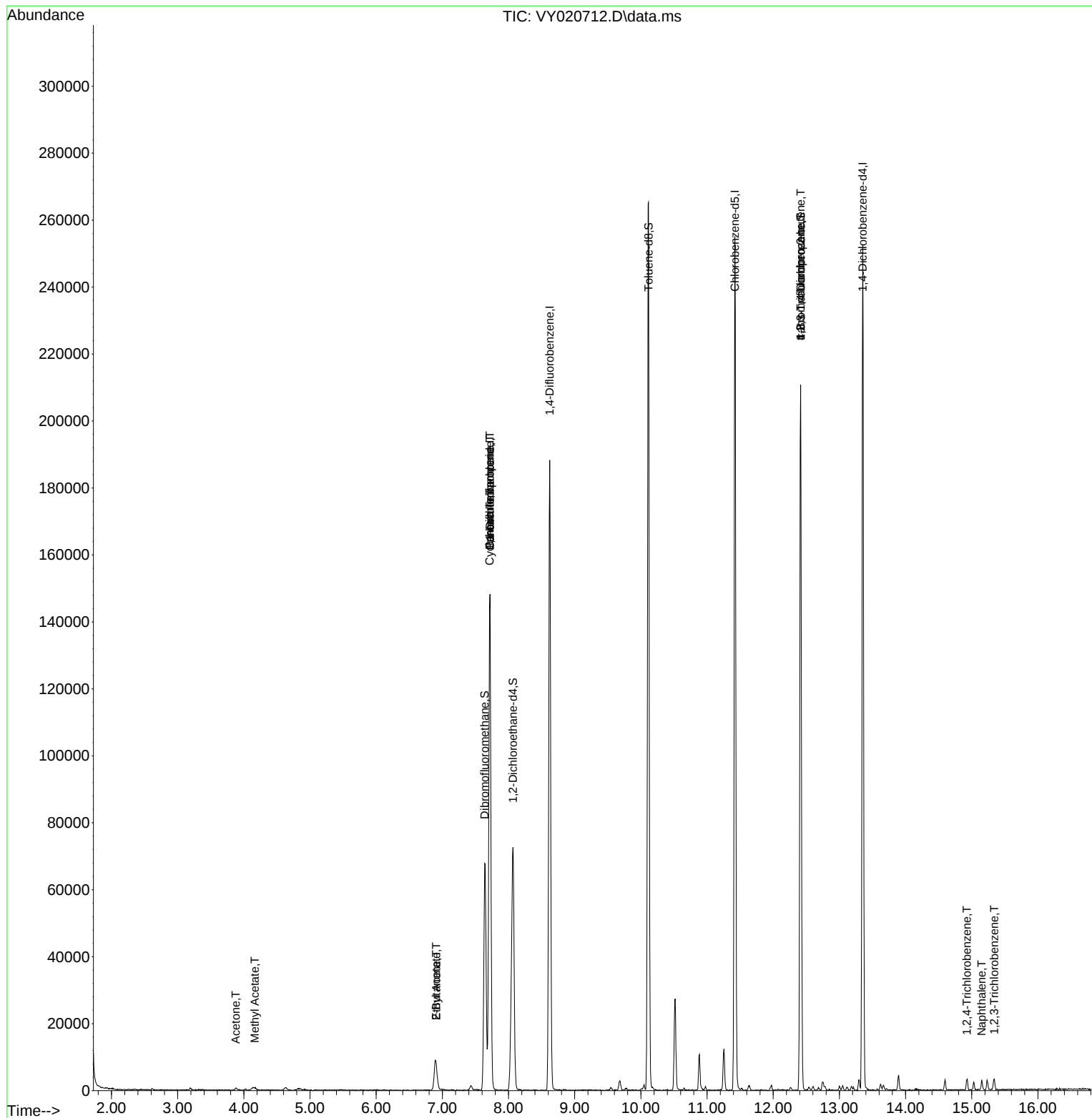
Internal Standards						
1) Pentafluorobenzene	7.719	168	113454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	161804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	134887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	66955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52524	56.520	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.040%
35) Dibromofluoromethane	7.640	113	45996	51.609	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.220%
50) Toluene-d8	10.115	98	179451	50.612	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.220%
62) 4-Bromofluorobenzene	12.414	95	58916	49.742	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	99.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	88	Below Cal	#	89
16) Acetone	3.879	43	578	4.903	ug/l #	74
18) Methyl Acetate	4.165	43	358	1.122	ug/l #	43
25) 2-Butanone	6.909	43	502	3.152	ug/l #	38
31) Cyclohexane	7.713	56	2089	1.750	ug/l #	41
36) 1,1-Dichloropropene	7.719	75	7917	6.725	ug/l #	51
37) Ethyl Acetate	6.909	43	502	1.294	ug/l #	65
38) Carbon Tetrachloride	7.719	117	12084	6.233	ug/l #	19
76) 1,2,3-Trichloropropane	12.414	75	33573	78.839	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	33573	155.834	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.925	180	1251	1.100	ug/l	95
95) Naphthalene	15.151	128	2440	1.339	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.340	180	1258	1.328	ug/l	95

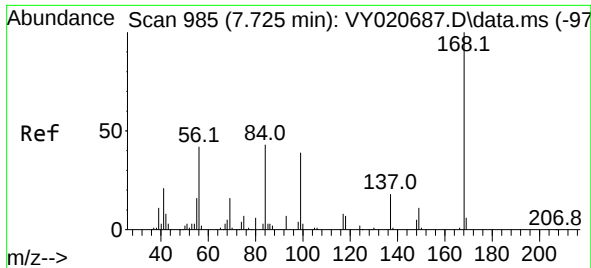
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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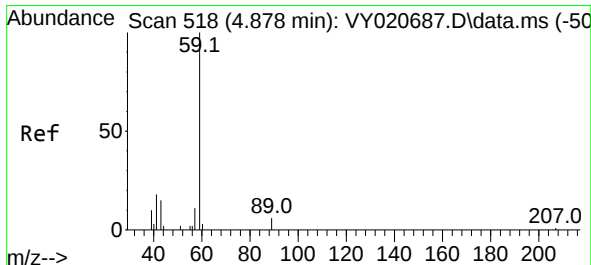
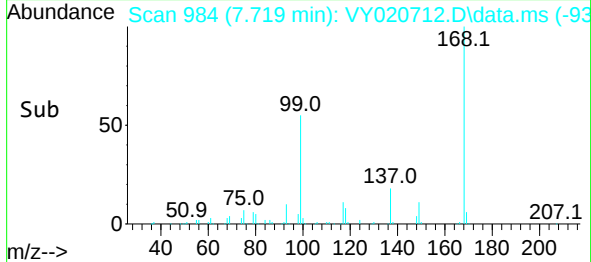
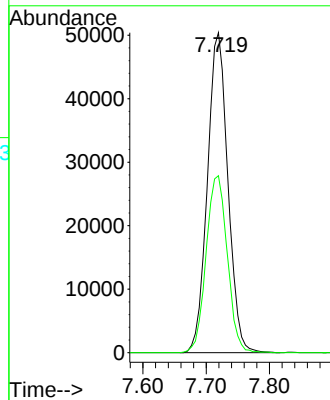
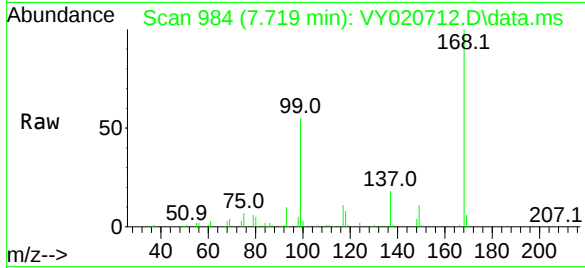




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020712.D
Acq: 26 Dec 2024 12:13

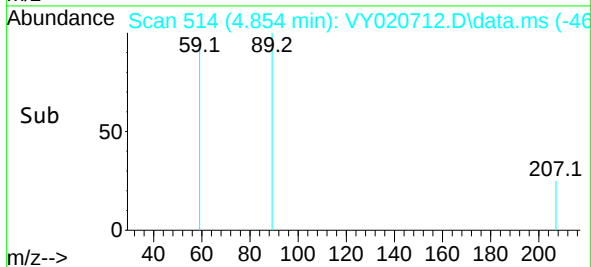
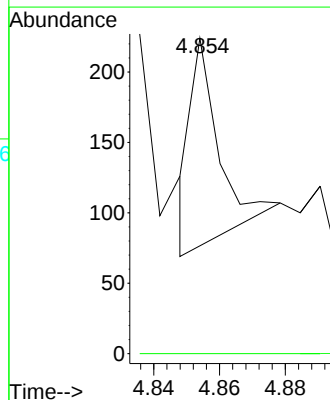
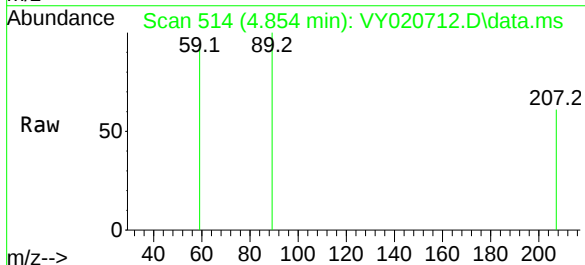
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

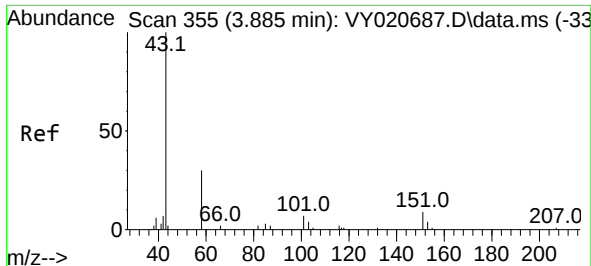
Tgt Ion:168 Resp: 113454
Ion Ratio Lower Upper
168 100
99 55.3 43.8 65.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.854 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY020712.D
Acq: 26 Dec 2024 12:13

Tgt Ion: 59 Resp: 88
Ion Ratio Lower Upper
59 100
57 0.0 2.8 4.2#

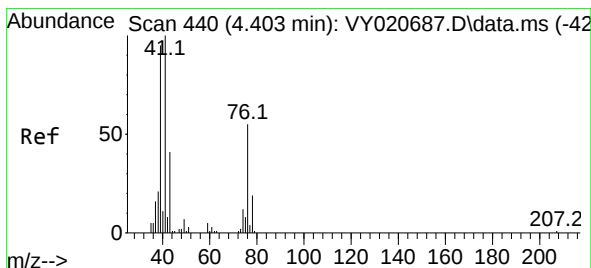
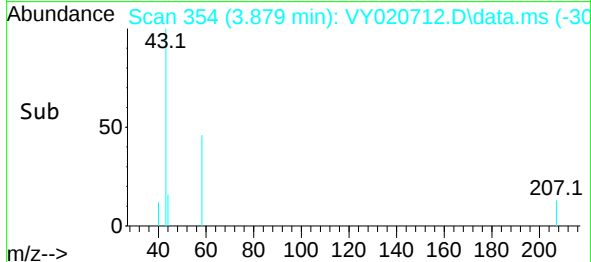
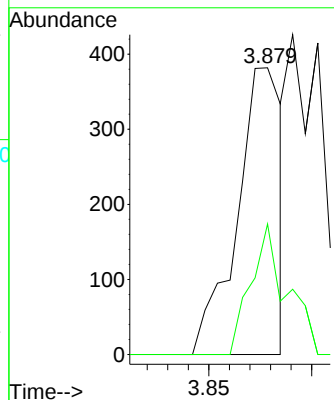
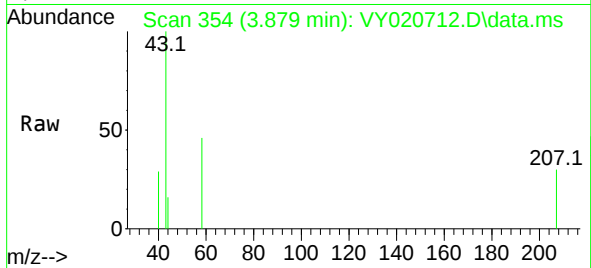




#16
Acetone
Concen: 4.903 ug/l
RT: 3.879 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY020712.D
Acq: 26 Dec 2024 12:13

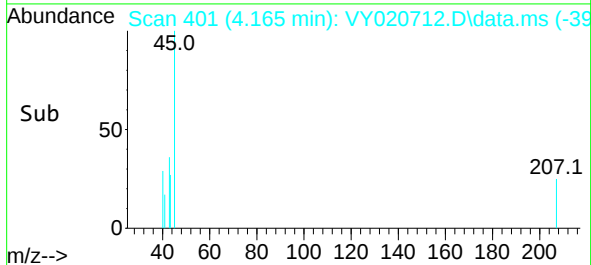
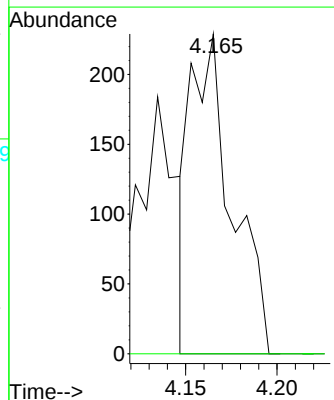
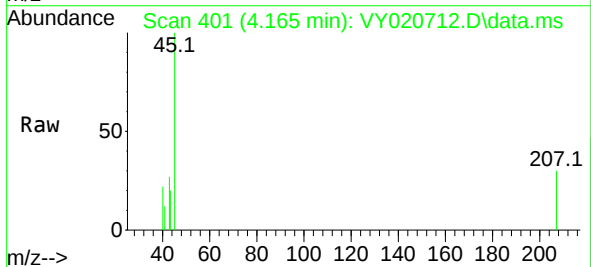
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

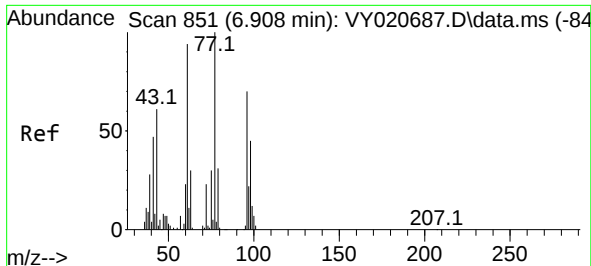
Tgt Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
58 45.5 25.0 37.6#



#18
Methyl Acetate
Concen: 1.122 ug/l
RT: 4.165 min Scan# 401
Delta R.T. -0.238 min
Lab File: VY020712.D
Acq: 26 Dec 2024 12:13

Tgt Ion: 43 Resp: 358
Ion Ratio Lower Upper
43 100
74 0.0 25.3 37.9#





#25

2-Butanone

Concen: 3.152 ug/l

RT: 6.909 min Scan# 8

Delta R.T. 0.001 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

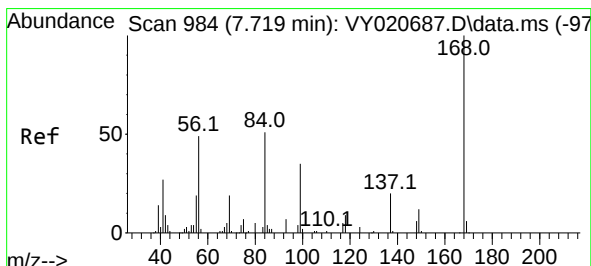
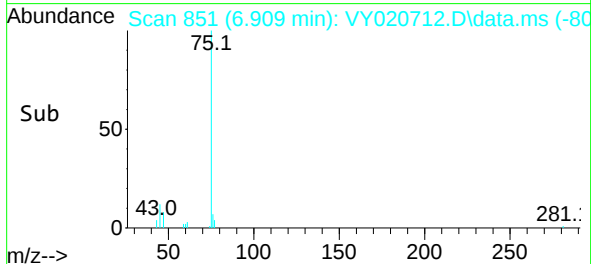
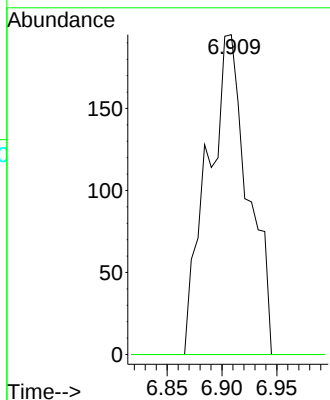
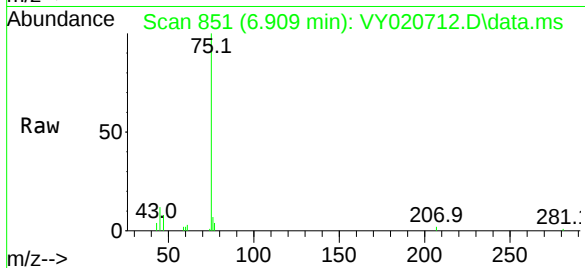
VIBLK

Tgt Ion: 43 Resp: 502

Ion Ratio Lower Upper

43 100

72 0.0 29.5 44.3#



#31

Cyclohexane

Concen: 1.750 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.006 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

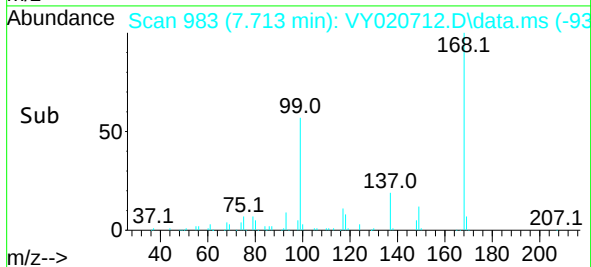
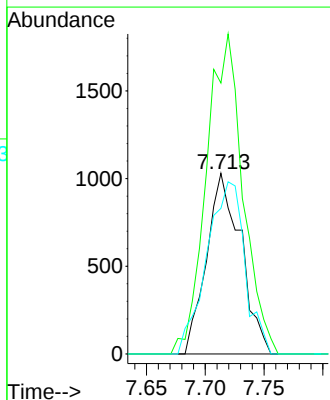
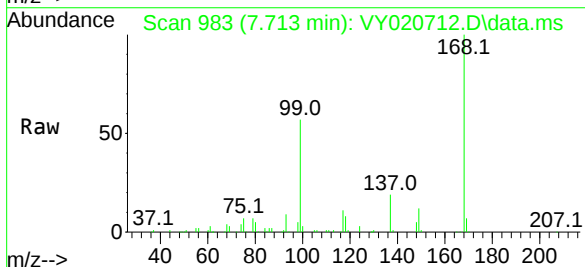
Tgt Ion: 56 Resp: 2089

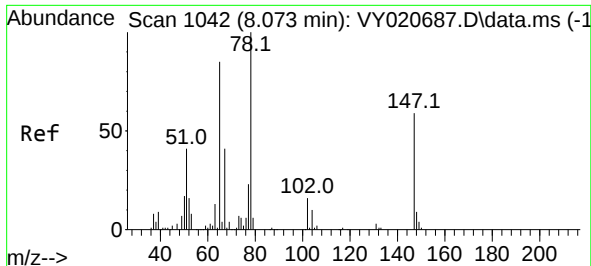
Ion Ratio Lower Upper

56 100

69 150.0 31.3 46.9#

84 90.6 83.9 125.9





#33

1,2-Dichloroethane-d4

Concen: 56.520 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

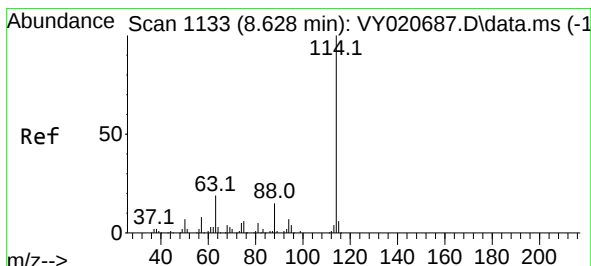
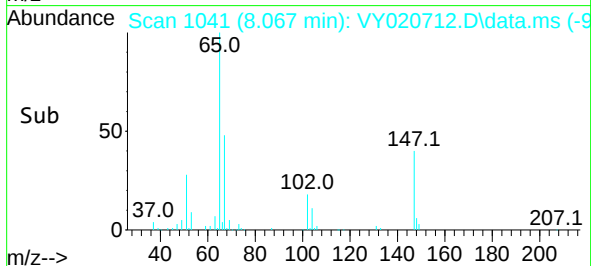
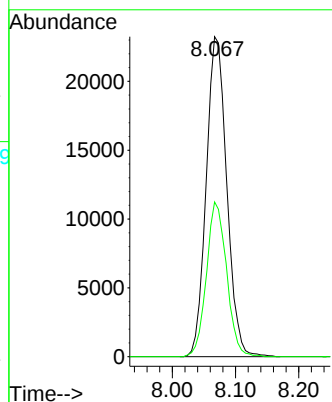
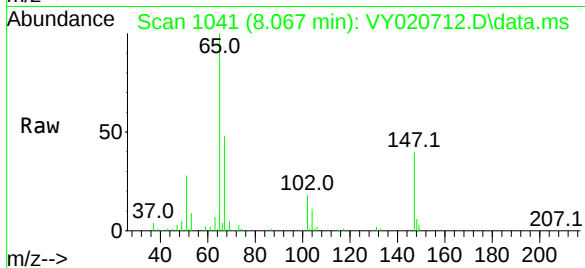
VIBLK

Tgt Ion: 65 Resp: 52524

Ion Ratio Lower Upper

65 100

67 47.5 0.0 98.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

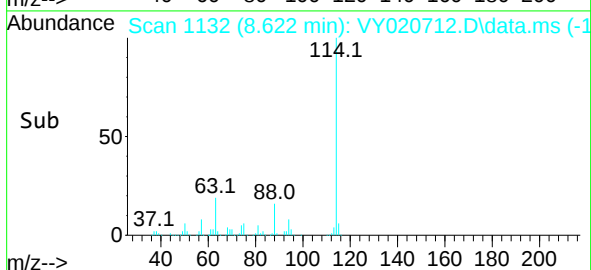
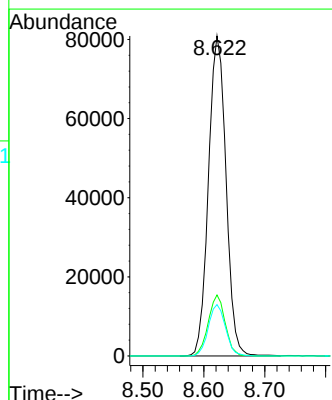
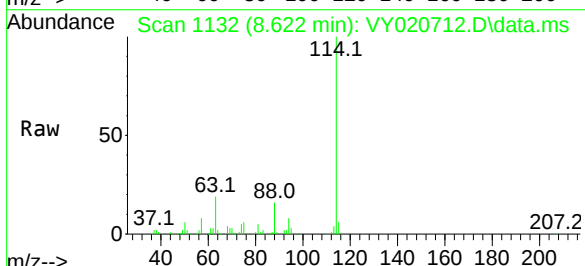
Tgt Ion:114 Resp: 161804

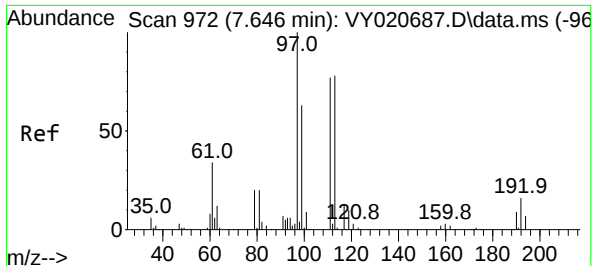
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

88 16.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.609 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

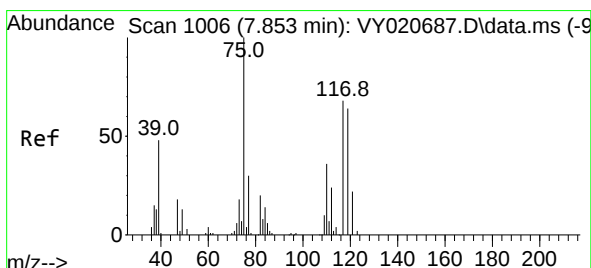
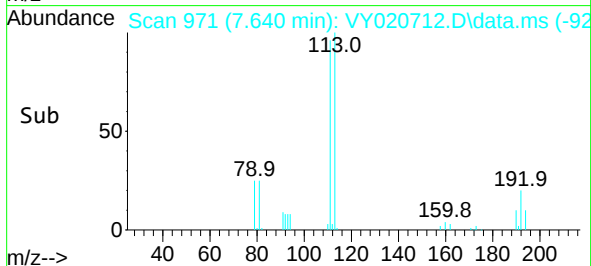
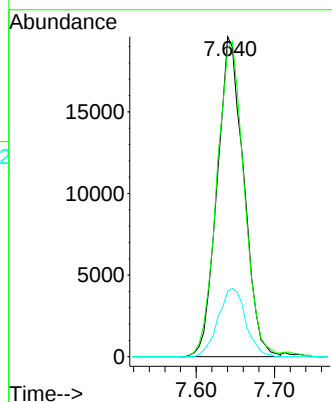
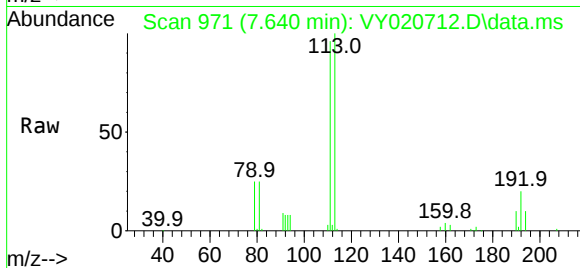
Tgt Ion:113 Resp: 45996

Ion Ratio Lower Upper

113 100

111 101.6 79.8 119.8

192 22.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 6.725 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.134 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

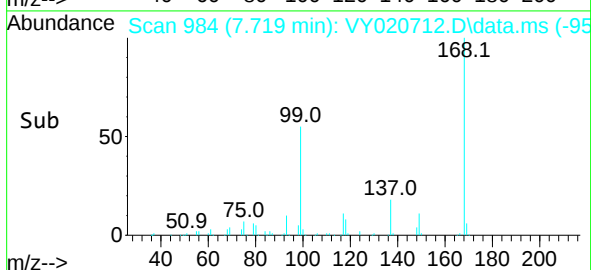
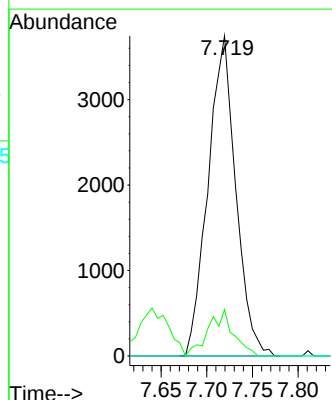
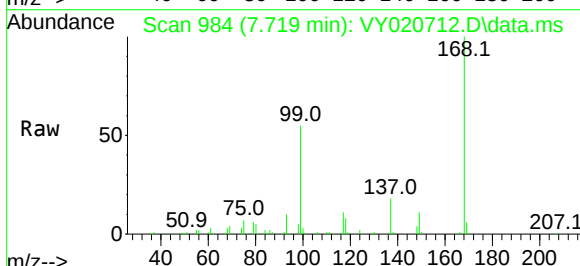
Tgt Ion: 75 Resp: 7917

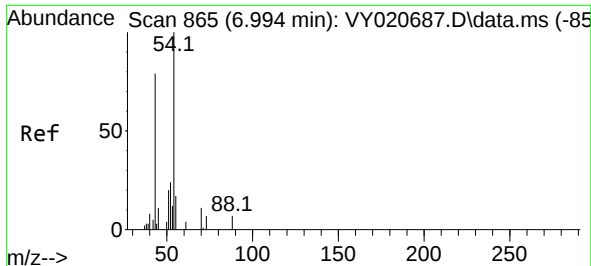
Ion Ratio Lower Upper

75 100

110 13.1 19.6 58.7#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.294 ug/l

RT: 6.909 min Scan# 81

Delta R.T. -0.085 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

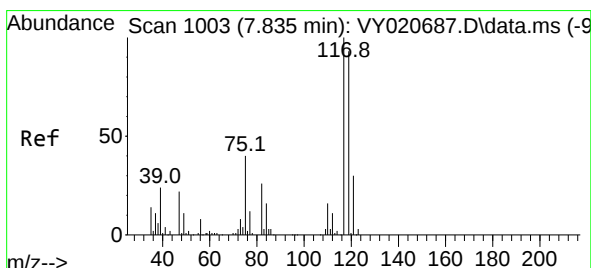
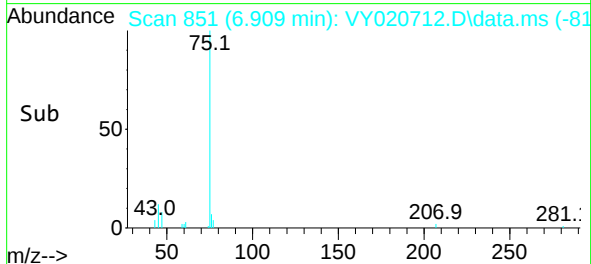
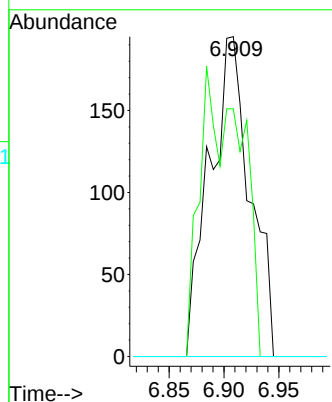
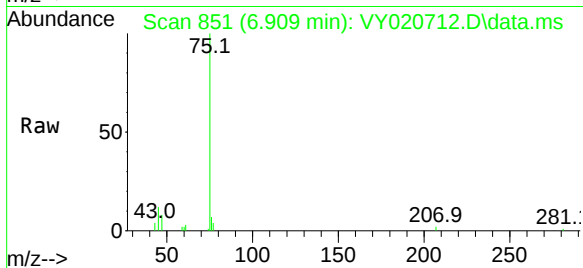
Tgt Ion: 43 Resp: 502

Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.0 11.0 16.4#



#38

Carbon Tetrachloride

Concen: 6.233 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.116 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

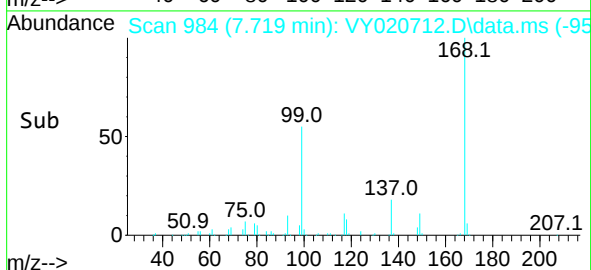
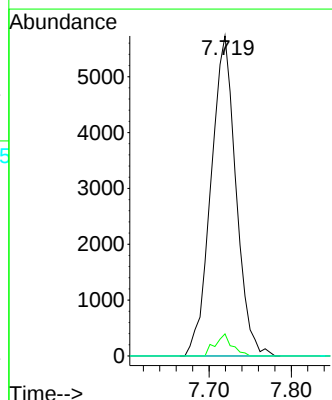
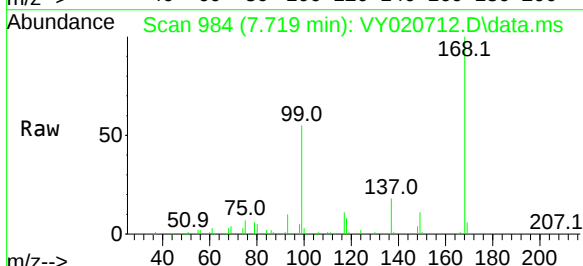
Tgt Ion: 117 Resp: 12084

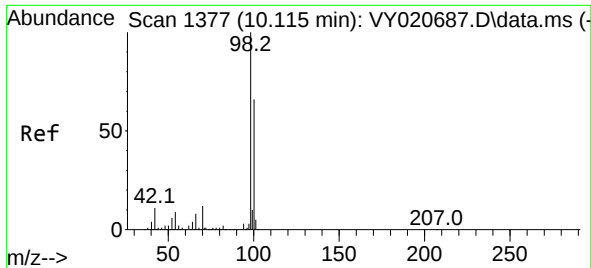
Ion Ratio Lower Upper

117 100

119 6.9 74.4 111.6#

121 0.0 24.2 36.2#

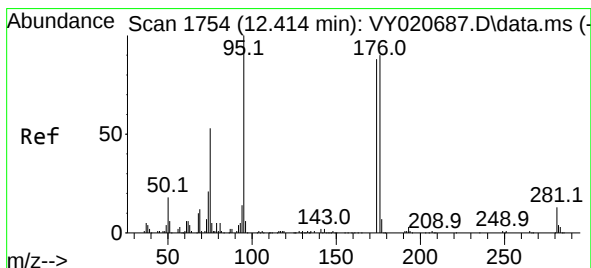
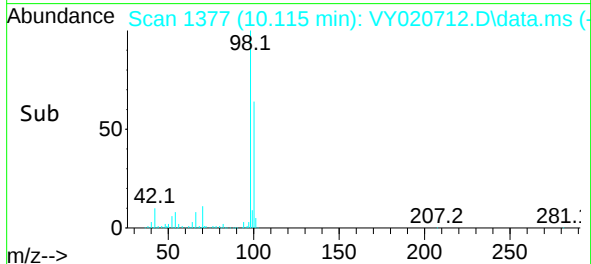
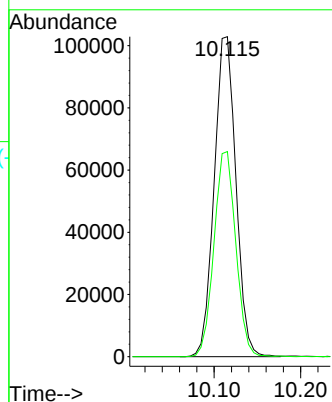
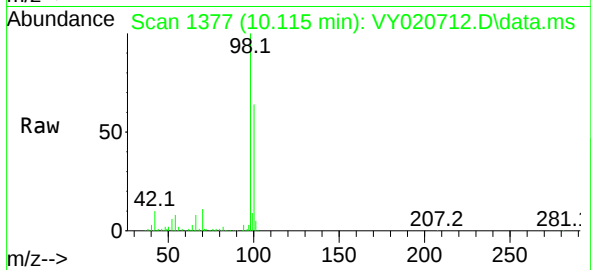




#50
Toluene-d8
Concen: 50.612 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020712.D
Acq: 26 Dec 2024 12:13

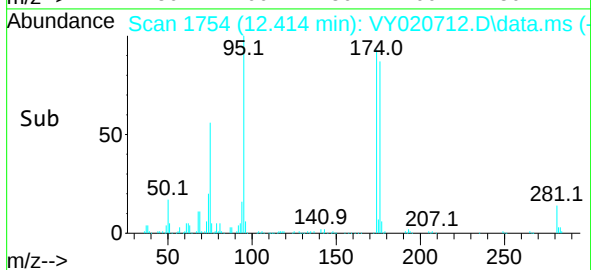
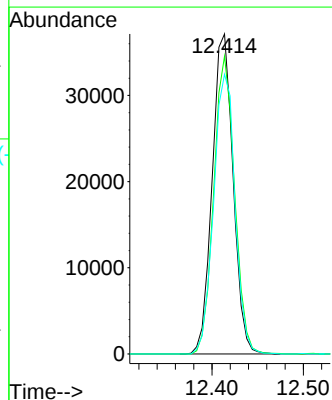
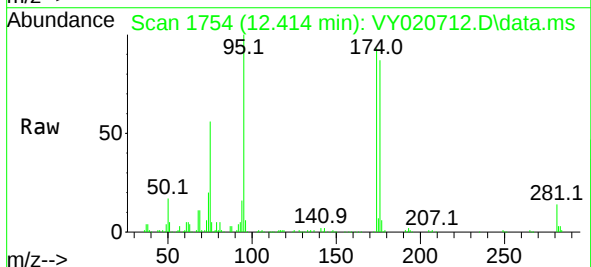
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

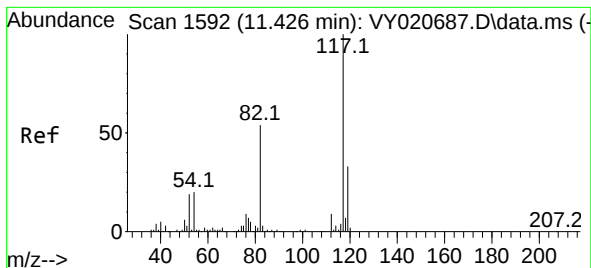
Tgt Ion: 98 Resp: 179451
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 49.742 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020712.D
Acq: 26 Dec 2024 12:13

Tgt Ion: 95 Resp: 58916
Ion Ratio Lower Upper
95 100
174 92.9 0.0 179.2
176 89.6 0.0 179.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

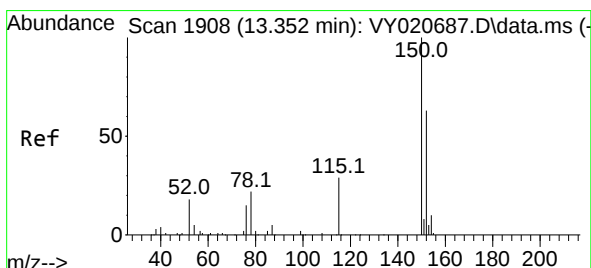
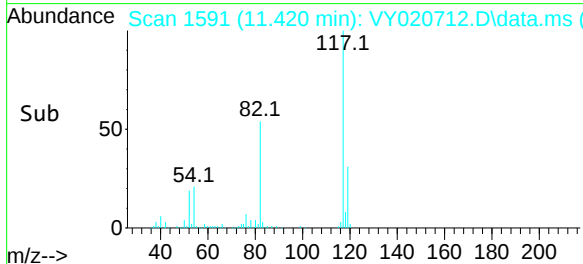
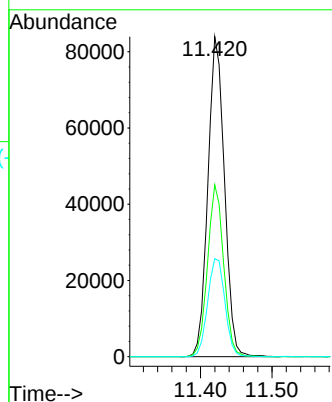
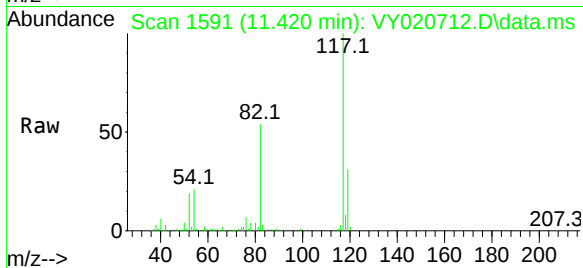
Tgt Ion:117 Resp: 134887

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.2

119 30.6 26.6 39.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

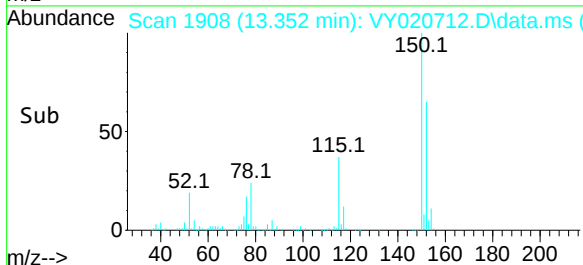
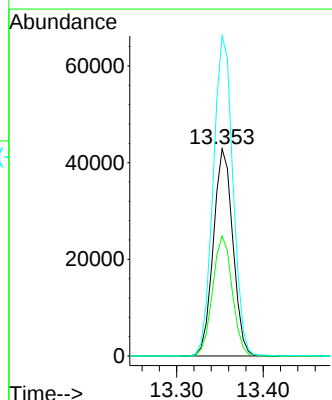
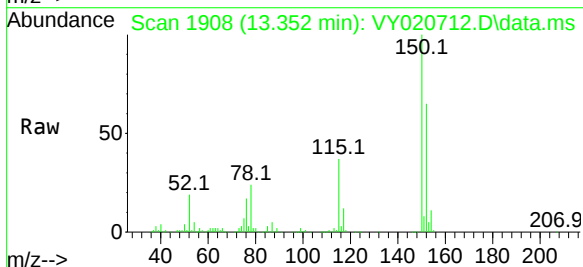
Tgt Ion:152 Resp: 66955

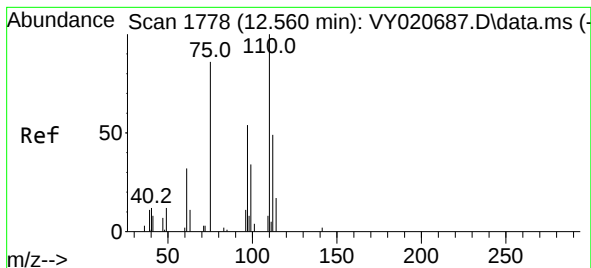
Ion Ratio Lower Upper

152 100

115 58.2 30.3 90.9

150 156.2 0.0 349.0

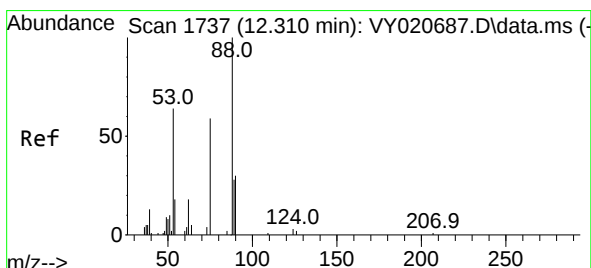
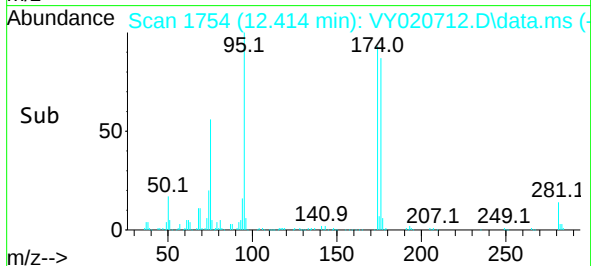
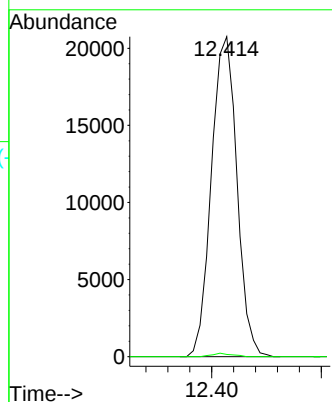
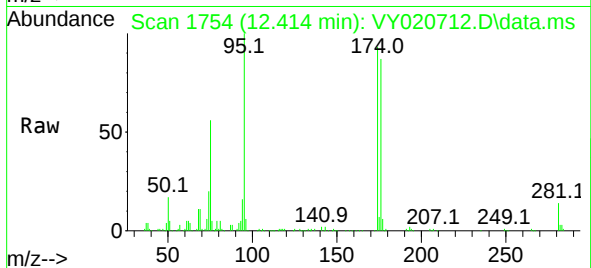




#76
1,2,3-Trichloropropane
Concen: 78.839 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020712.D
Acq: 26 Dec 2024 12:13

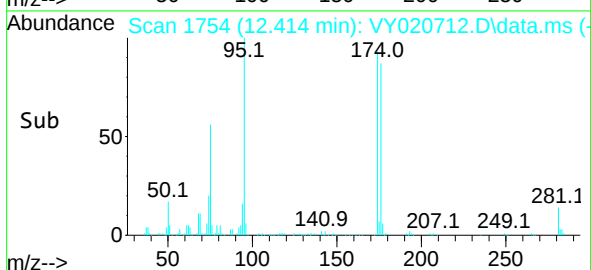
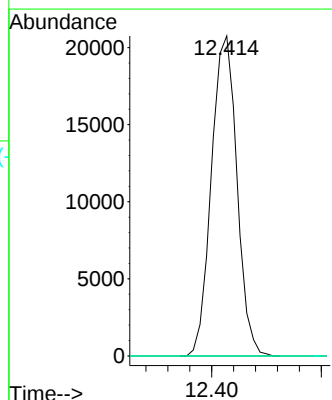
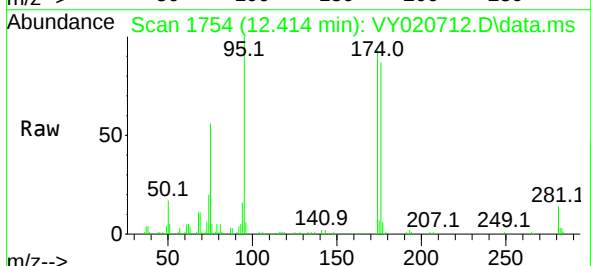
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

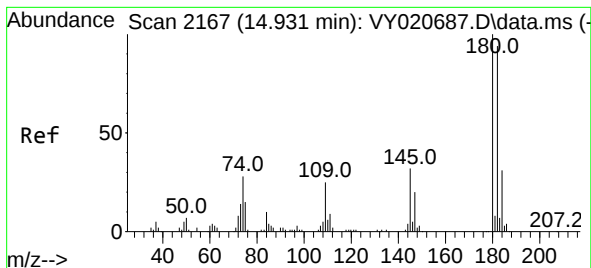
Tgt Ion: 75 Resp: 33573
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 155.834 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY020712.D
Acq: 26 Dec 2024 12:13

Tgt Ion: 75 Resp: 33573
Ion Ratio Lower Upper
75 100
53 0.0 83.1 124.7#
89 0.0 40.6 61.0#





#93

1,2,4-Trichlorobenzene

Concen: 1.100 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. -0.006 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

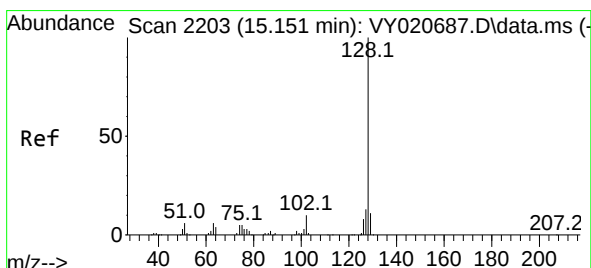
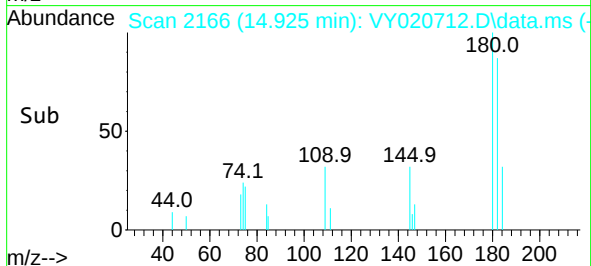
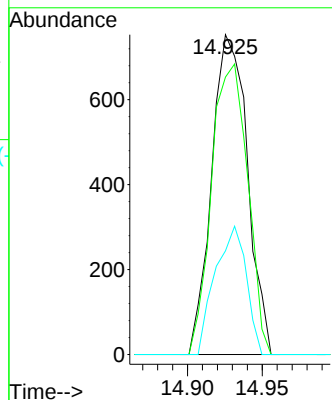
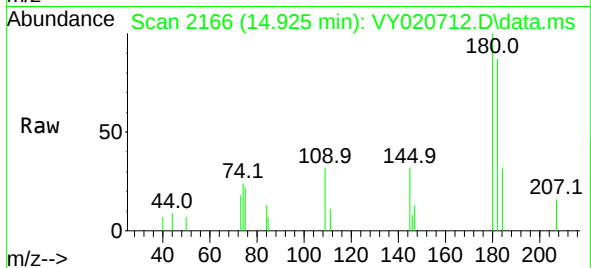
Tgt Ion:180 Resp: 1251

Ion Ratio Lower Upper

180 100

182 91.6 47.9 143.7

145 34.9 15.6 46.8



#95

Naphthalene

Concen: 1.339 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. -0.000 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

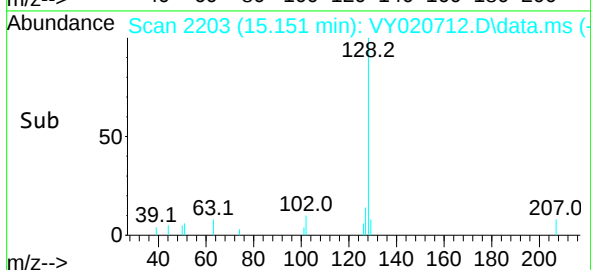
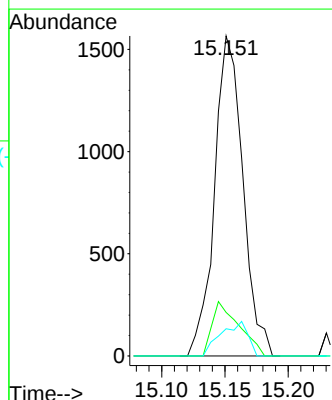
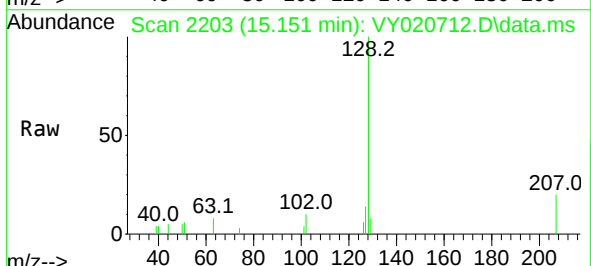
Tgt Ion:128 Resp: 2440

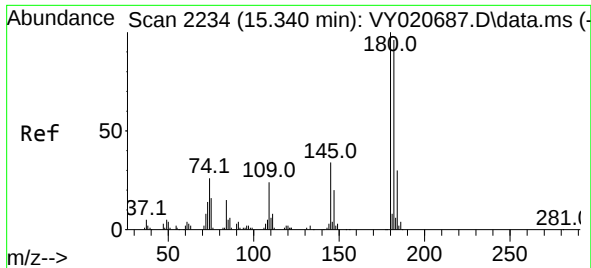
Ion Ratio Lower Upper

128 100

127 16.1 10.7 16.1#

129 10.2 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.328 ug/l
 RT: 15.340 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY020712.D
 Acq: 26 Dec 2024 12:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:180 Resp: 1258
 Ion Ratio Lower Upper
 180 100
 182 100.9 47.4 142.2
 145 34.3 16.7 50.1

