

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
 Data File : VY020702.D
 Acq On : 23 Dec 2024 19:25
 Operator : SY/MD
 Sample : P5355-01
 Misc : 4.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251688

Quant Time: Dec 25 01:02:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 25 00:58:45 2024
 Response via : Initial Calibration

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

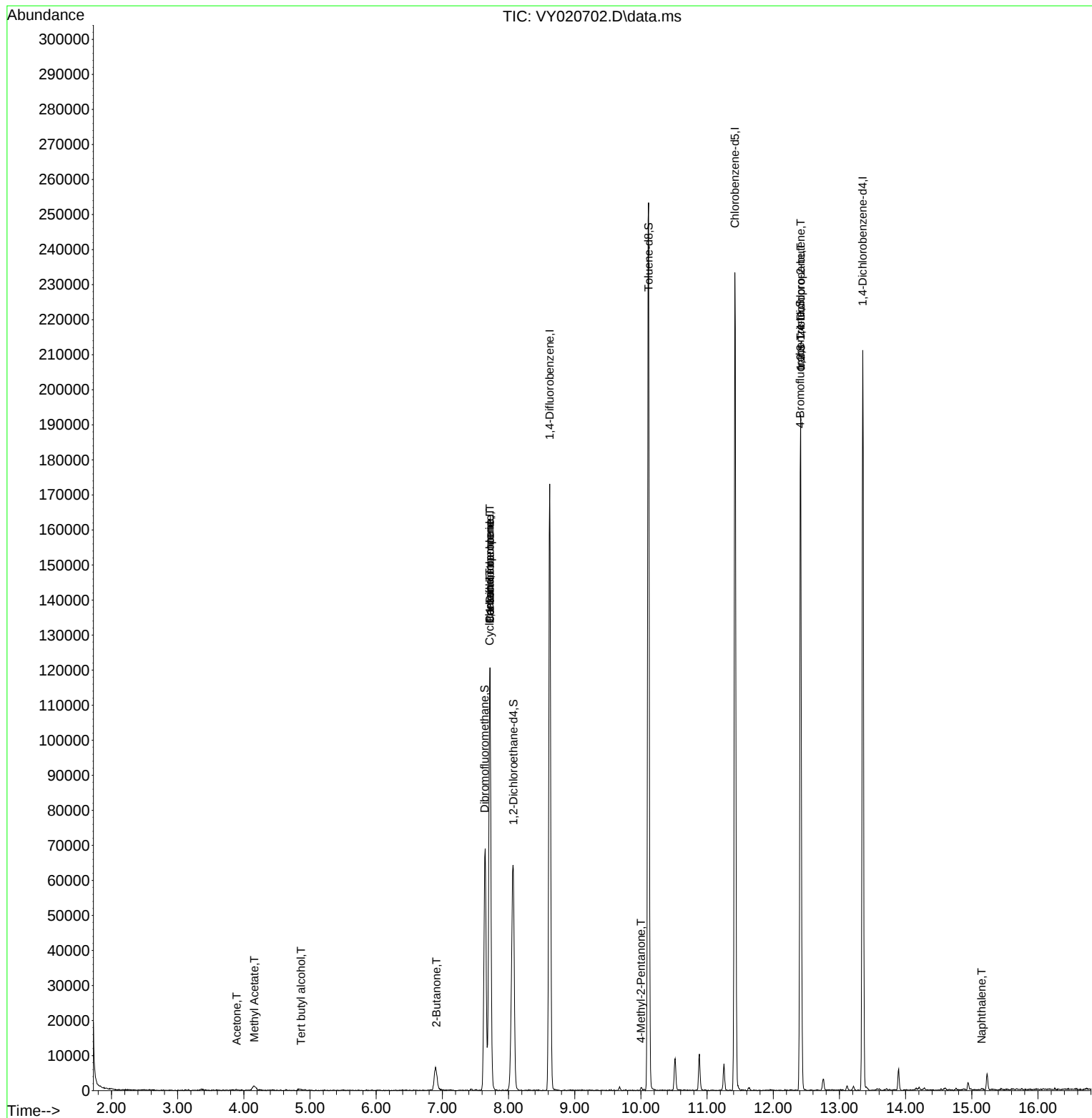
Internal Standards						
1) Pentafluorobenzene	7.720	168	91173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	146983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	126034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	53397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	50178	62.143	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.280%	
35) Dibromofluoromethane	7.640	113	45913	53.199	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.400%	
50) Toluene-d8	10.115	98	168838	53.862	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.720%	
62) 4-Bromofluorobenzene	12.408	95	53326	46.739	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 93.480%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	192	2.970	ug/l #	89
16) Acetone	3.891	43	431	4.673	ug/l	97
18) Methyl Acetate	4.159	43	741	3.105	ug/l #	43
25) 2-Butanone	6.909	43	180	1.389	ug/l #	38
31) Cyclohexane	7.713	56	1659	1.741	ug/l #	46
36) 1,1-Dichloropropene	7.720	75	6744	6.429	ug/l #	51
38) Carbon Tetrachloride	7.720	117	9732	5.733	ug/l #	16
51) 4-Methyl-2-Pentanone	10.000	43	481	1.351	ug/l	97
76) 1,2,3-Trichloropropane	12.414	75	30246	82.135	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	30246	178.544	ug/l #	8
95) Naphthalene	15.151	128	580	3.858	ug/l #	73

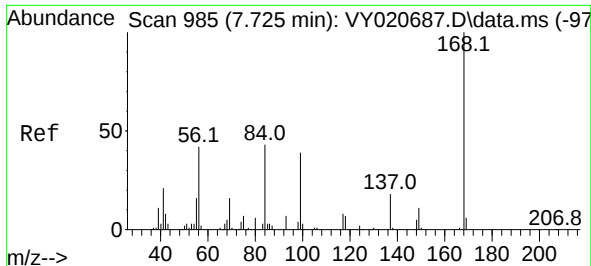
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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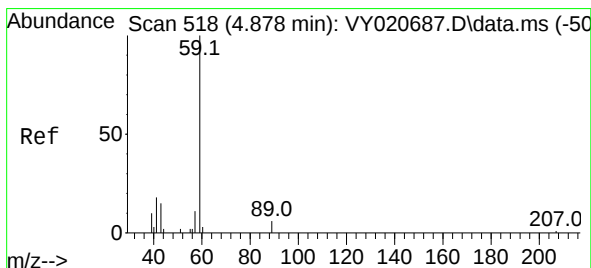
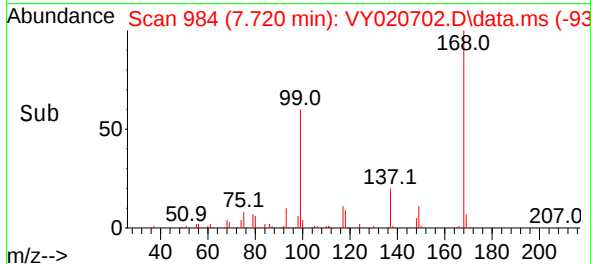
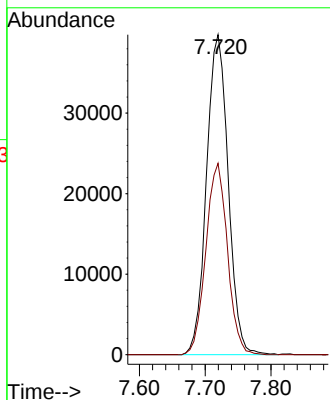
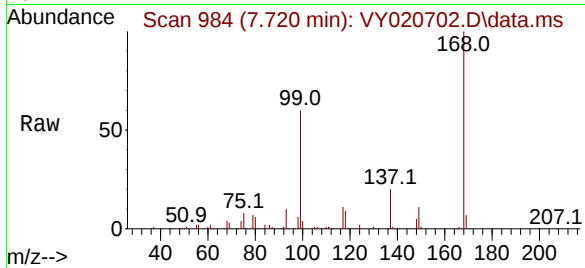




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 911
Delta R.T. -0.005 min
Lab File: VY020702.D
Acq: 23 Dec 2024 19:25

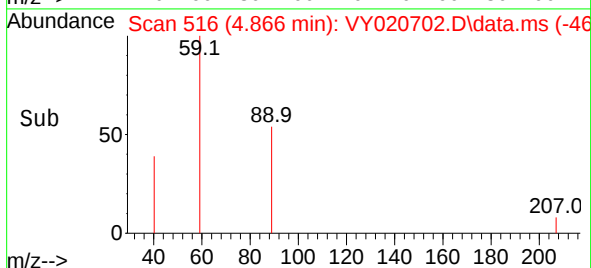
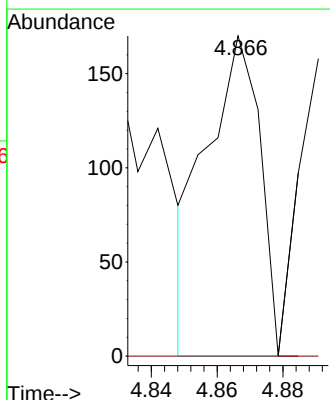
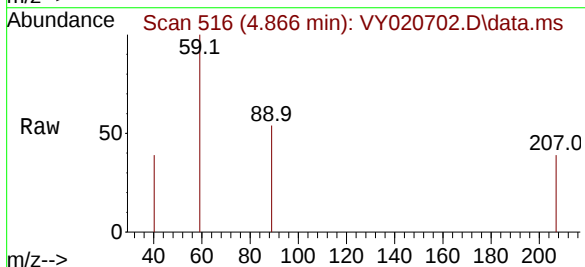
Instrument :
MSVOA_Y
ClientSampleId :
RBR251688

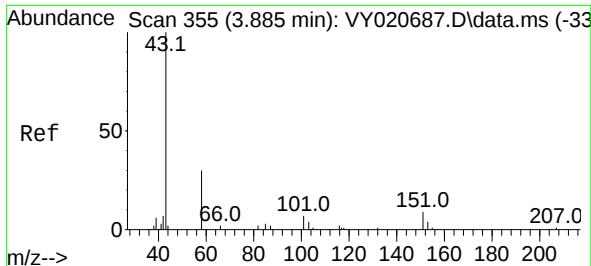
Tgt Ion:168 Resp: 91173
Ion Ratio Lower Upper
168 100
99 59.8 43.8 65.6



#11
Tert butyl alcohol
Concen: 2.970 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY020702.D
Acq: 23 Dec 2024 19:25

Tgt Ion: 59 Resp: 192
Ion Ratio Lower Upper
59 100
57 0.0 2.8 4.2#

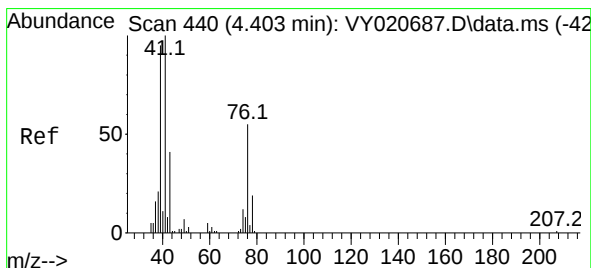
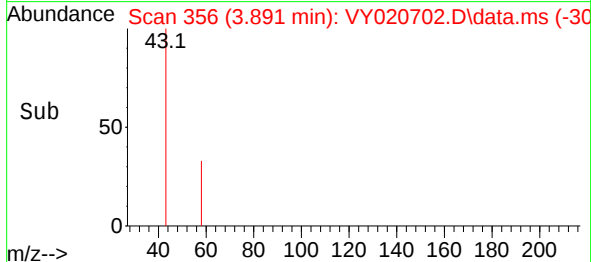
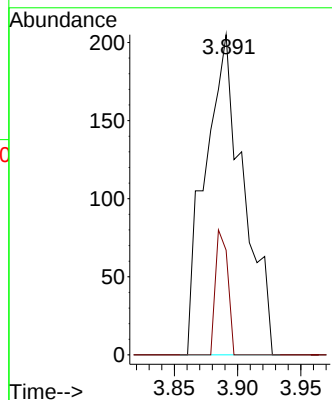
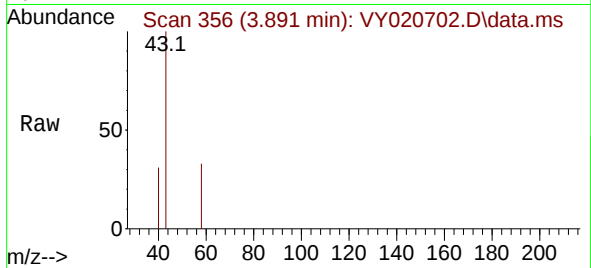




#16
Acetone
Concen: 4.673 ug/l
RT: 3.891 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY020702.D
Acq: 23 Dec 2024 19:25

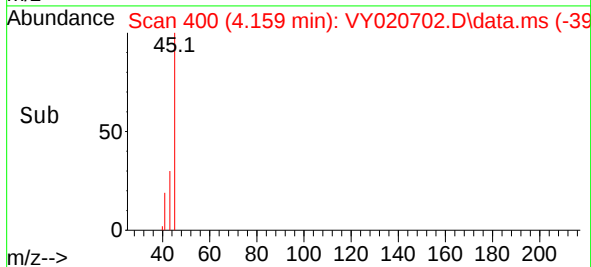
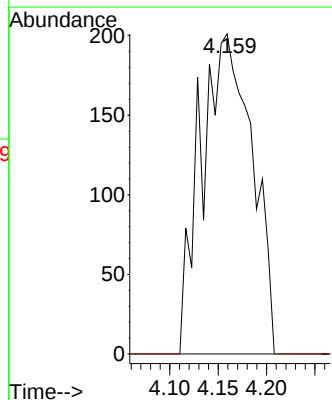
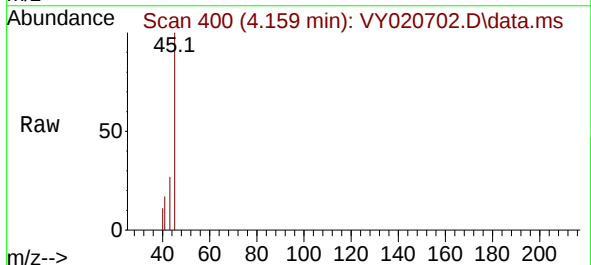
Instrument :
MSVOA_Y
ClientSampleId :
RBR251688

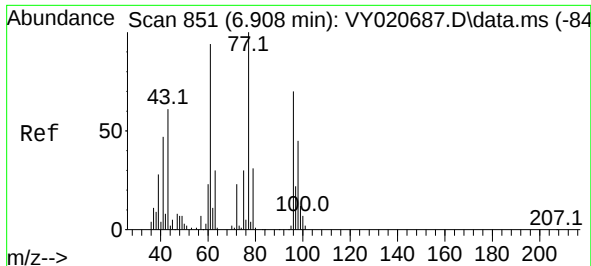
Tgt Ion: 43 Resp: 431
Ion Ratio Lower Upper
43 100
58 32.7 25.0 37.6



#18
Methyl Acetate
Concen: 3.105 ug/l
RT: 4.159 min Scan# 400
Delta R.T. -0.244 min
Lab File: VY020702.D
Acq: 23 Dec 2024 19:25

Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
74 0.0 25.3 37.9#





#25

2-Butanone

Concen: 1.389 ug/l

RT: 6.909 min Scan# 851

Delta R.T. 0.000 min

Lab File: VY020702.D

Acq: 23 Dec 2024 19:25

Instrument :

MSVOA_Y

ClientSampleId :

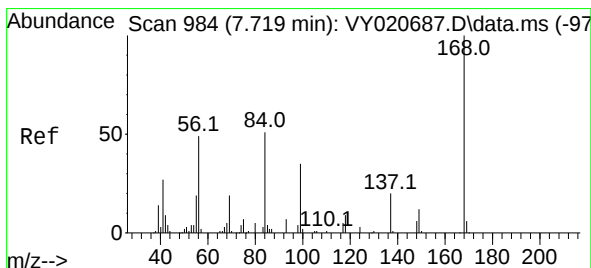
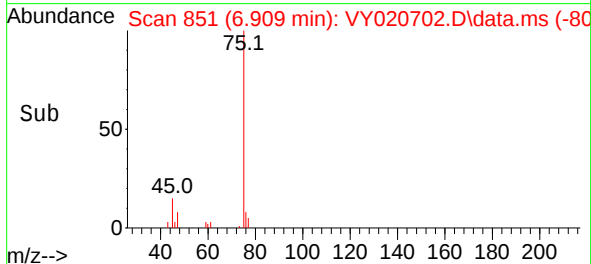
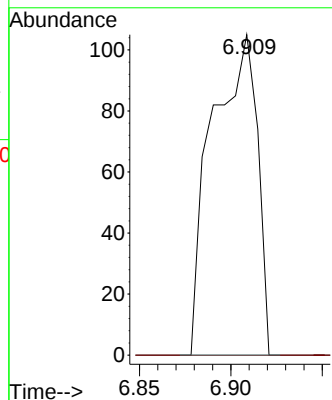
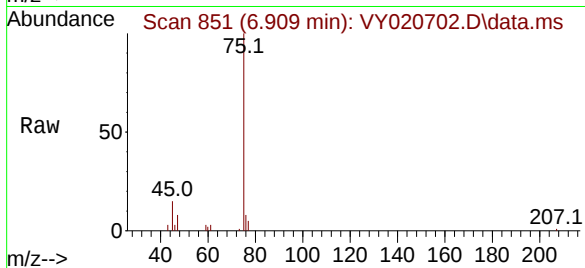
RBR251688

Tgt Ion: 43 Resp: 180

Ion Ratio Lower Upper

43 100

72 0.0 29.5 44.3#



#31

Cyclohexane

Concen: 1.741 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.006 min

Lab File: VY020702.D

Acq: 23 Dec 2024 19:25

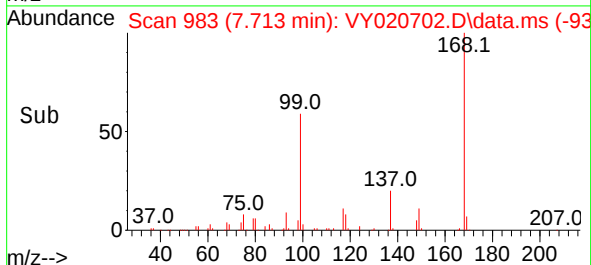
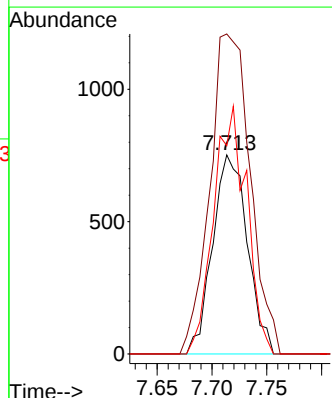
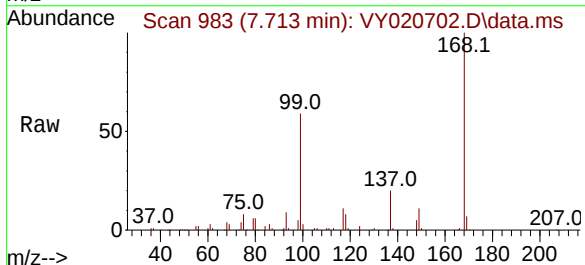
Tgt Ion: 56 Resp: 1659

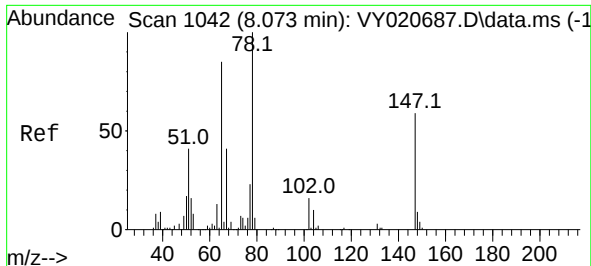
Ion Ratio Lower Upper

56 100

69 160.8 31.3 46.9#

84 104.7 83.9 125.9

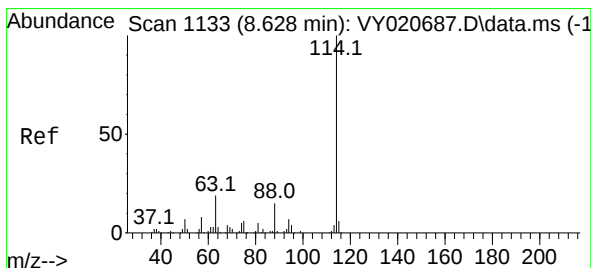
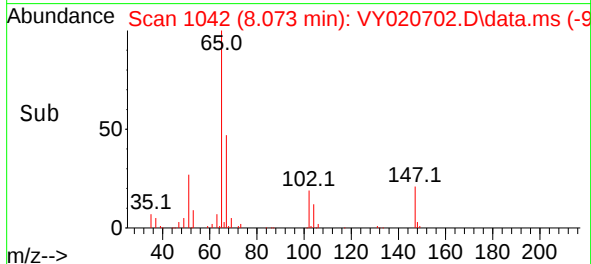
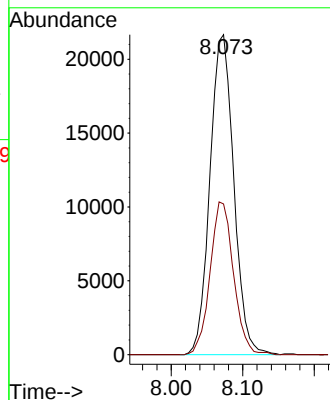
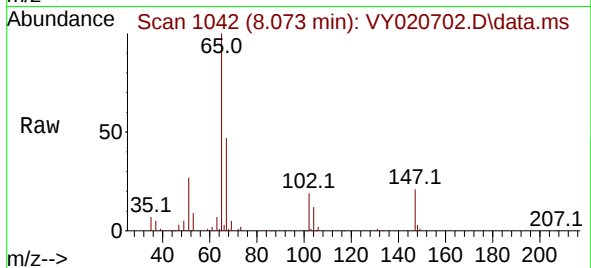




#33
1,2-Dichloroethane-d4
Concen: 62.143 ug/l
RT: 8.073 min Scan# 110
Delta R.T. 0.000 min
Lab File: VY020702.D
Acq: 23 Dec 2024 19:25

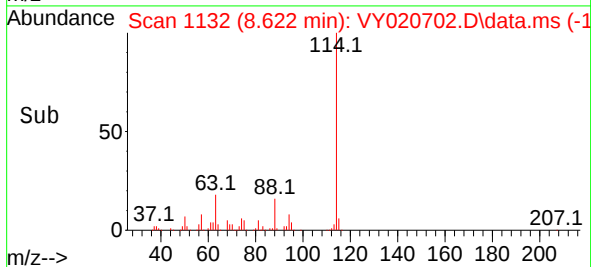
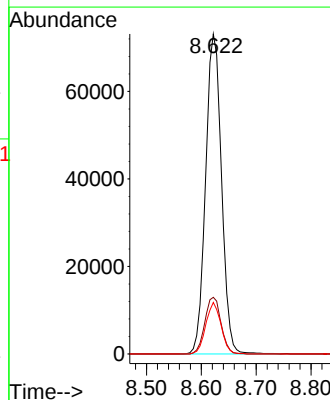
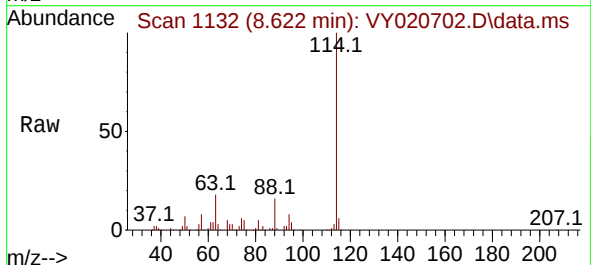
Instrument :
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ClientSampleId :
RBR251688

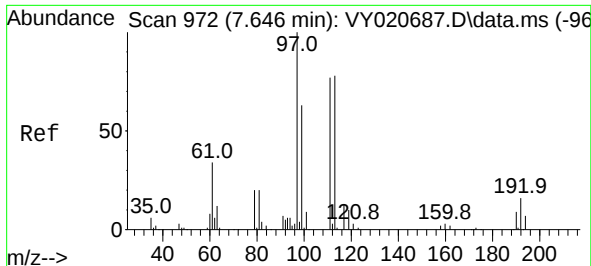
Tgt Ion: 65 Resp: 50178
Ion Ratio Lower Upper
65 100
67 47.0 0.0 98.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020702.D
Acq: 23 Dec 2024 19:25

Tgt Ion:114 Resp: 146983
Ion Ratio Lower Upper
114 100
63 17.7 0.0 38.4
88 16.1 0.0 30.4

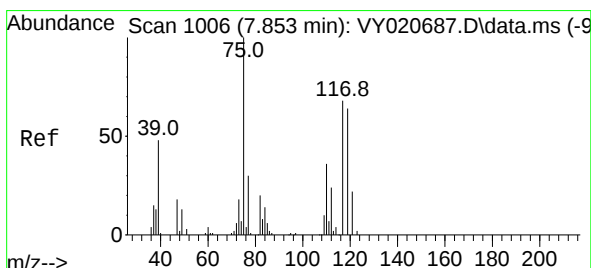
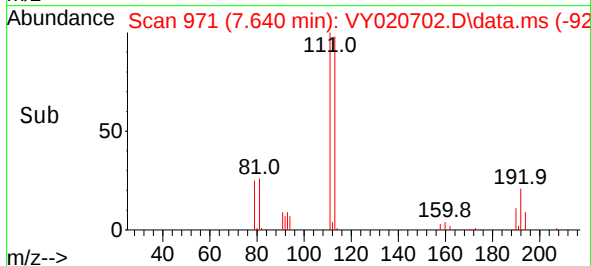
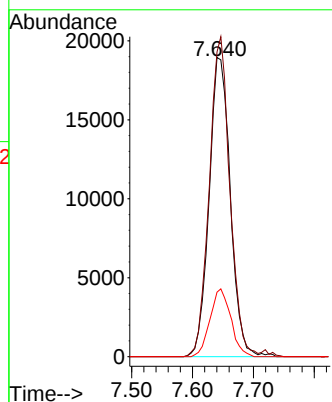
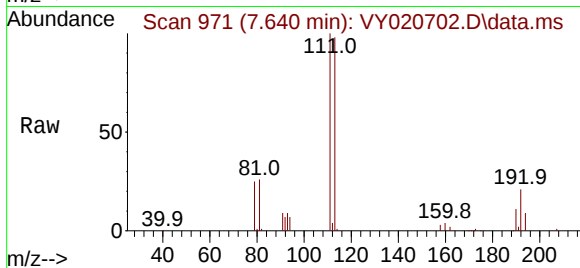




#35
Dibromofluoromethane
Concen: 53.199 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020702.D
Acq: 23 Dec 2024 19:25

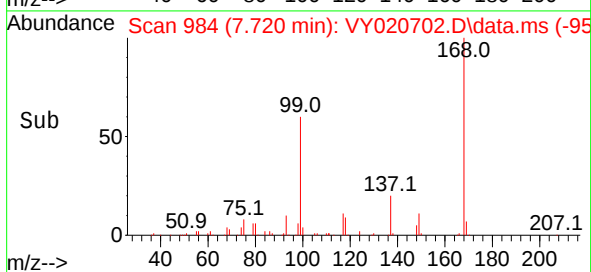
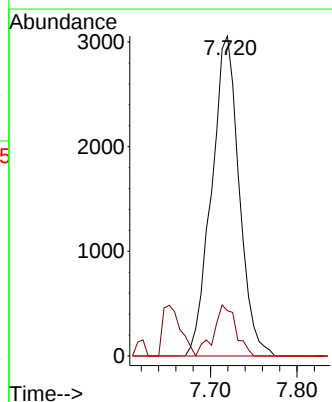
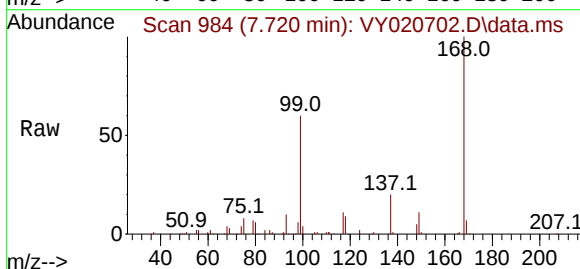
Instrument :
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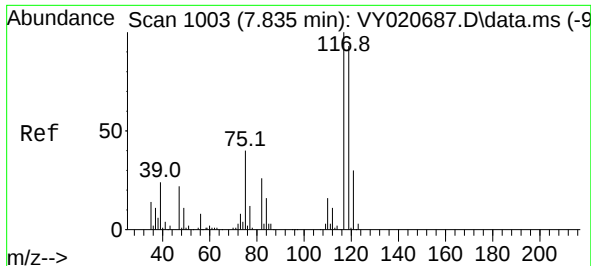
Tgt Ion:113 Resp: 45913
Ion Ratio Lower Upper
113 100
111 103.5 79.8 119.8
192 22.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 6.429 ug/l
RT: 7.720 min Scan# 984
Delta R.T. -0.134 min
Lab File: VY020702.D
Acq: 23 Dec 2024 19:25

Tgt Ion: 75 Resp: 6744
Ion Ratio Lower Upper
75 100
110 12.9 19.6 58.7#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.733 ug/l

RT: 7.720 min Scan# 984

Delta R.T. -0.116 min

Lab File: VY020702.D

Acq: 23 Dec 2024 19:25

Instrument :

MSVOA_Y

ClientSampleId :

RBR251688

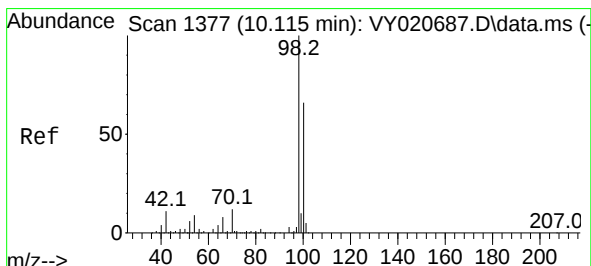
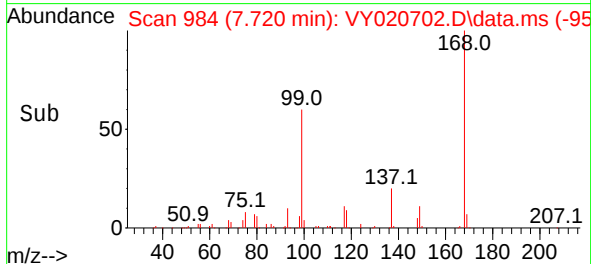
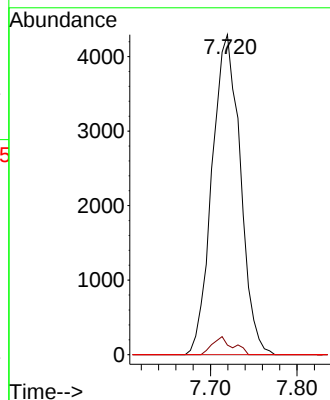
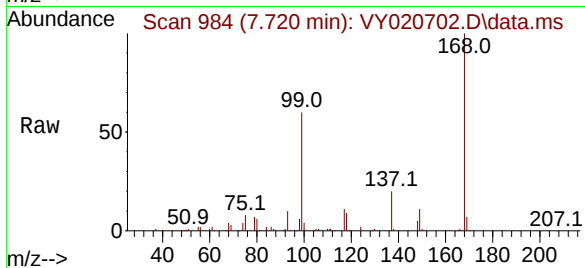
Tgt Ion:117 Resp: 9732

Ion Ratio Lower Upper

117 100

119 3.0 74.4 111.6#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 53.862 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.000 min

Lab File: VY020702.D

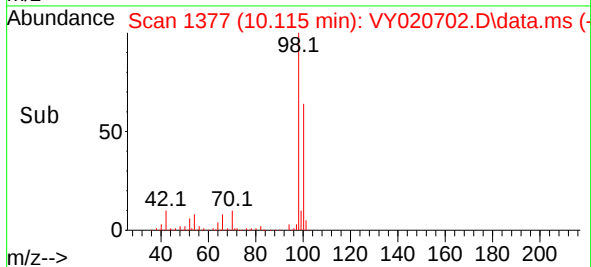
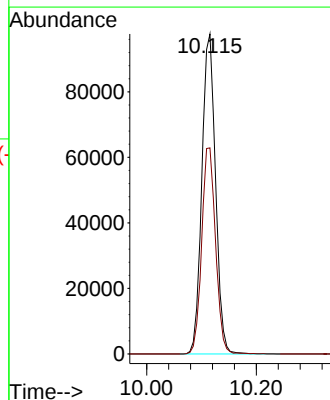
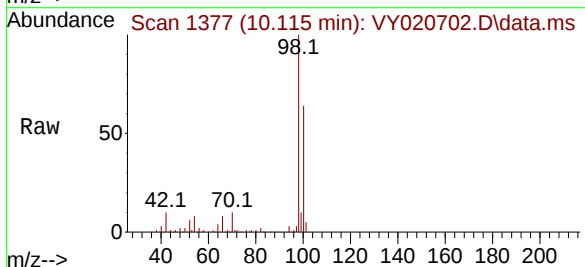
Acq: 23 Dec 2024 19:25

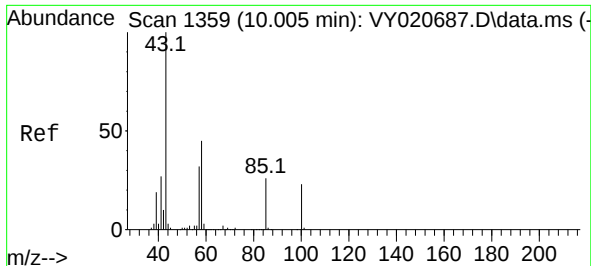
Tgt Ion: 98 Resp: 168838

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 1.351 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. -0.006 min

Lab File: VY020702.D

Acq: 23 Dec 2024 19:25

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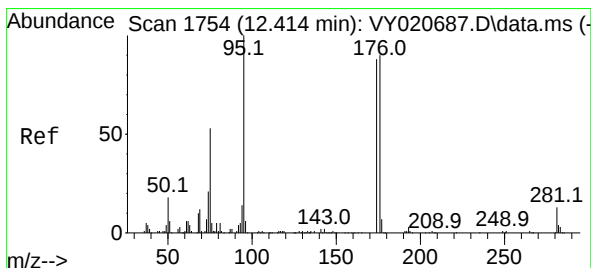
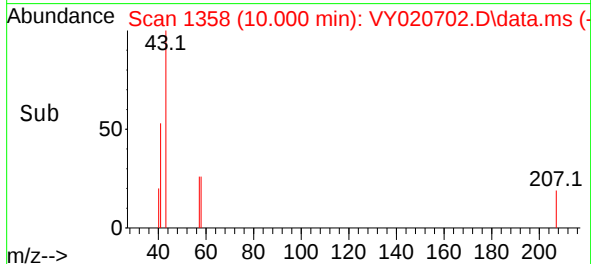
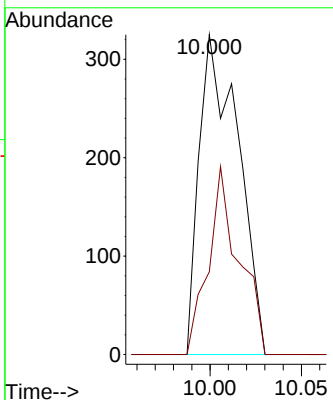
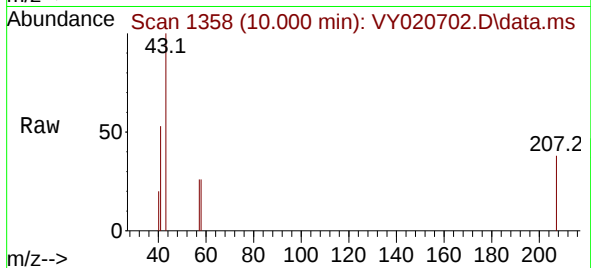
RBR251688

Tgt Ion: 43 Resp: 481

Ion Ratio Lower Upper

43 100

58 46.2 35.1 52.7



#62

4-Bromofluorobenzene

Concen: 46.739 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY020702.D

Acq: 23 Dec 2024 19:25

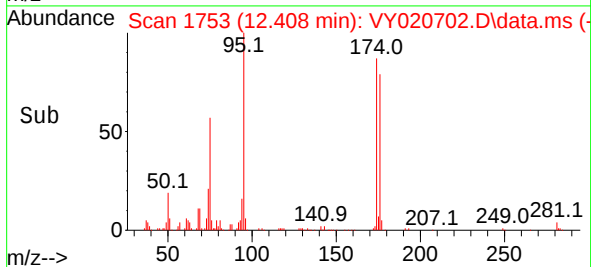
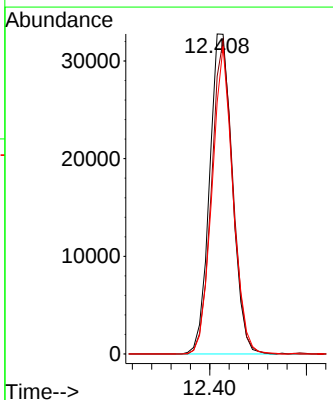
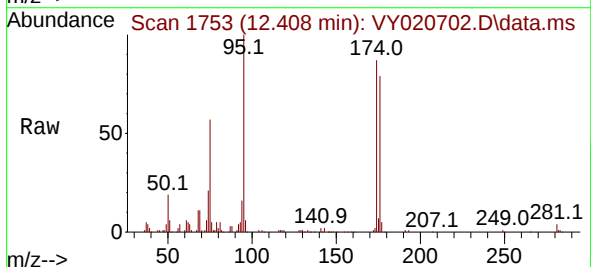
Tgt Ion: 95 Resp: 53326

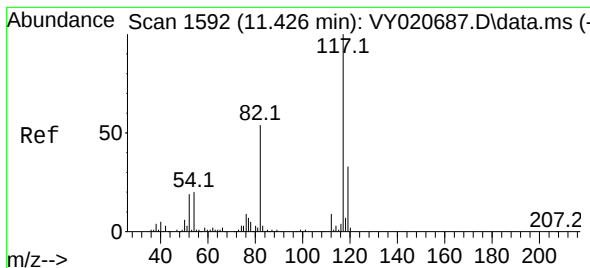
Ion Ratio Lower Upper

95 100

174 92.4 0.0 179.2

176 88.4 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: VY020702.D

Acq: 23 Dec 2024 19:25

Instrument :

MSVOA_Y

ClientSampleId :

RBR251688

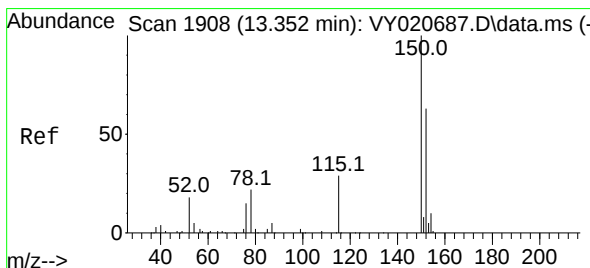
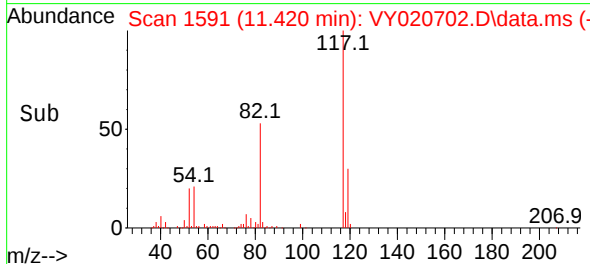
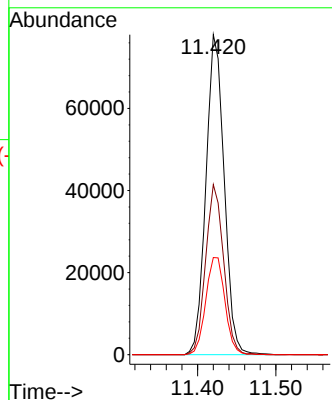
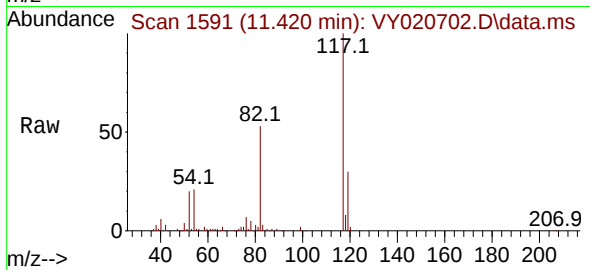
Tgt Ion:117 Resp: 126034

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.2

119 30.3 26.6 39.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020702.D

Acq: 23 Dec 2024 19:25

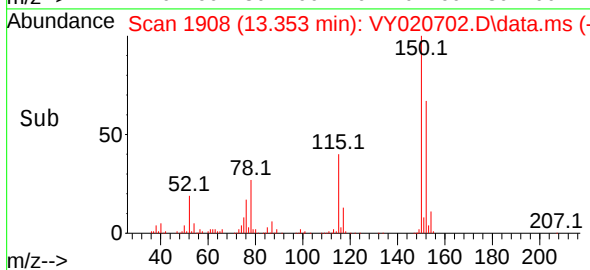
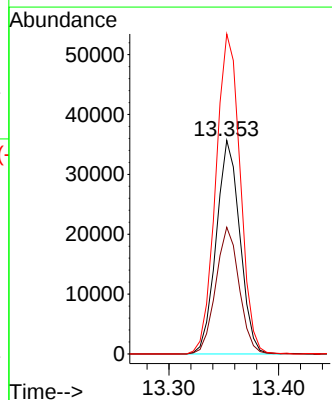
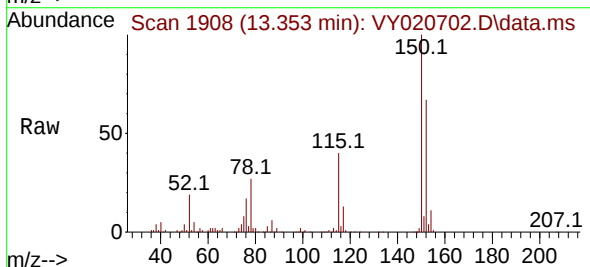
Tgt Ion:152 Resp: 53397

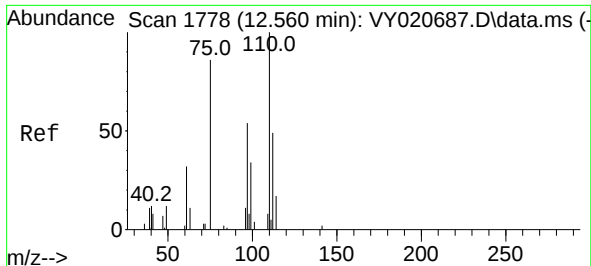
Ion Ratio Lower Upper

152 100

115 58.8 30.3 90.9

150 154.9 0.0 349.0

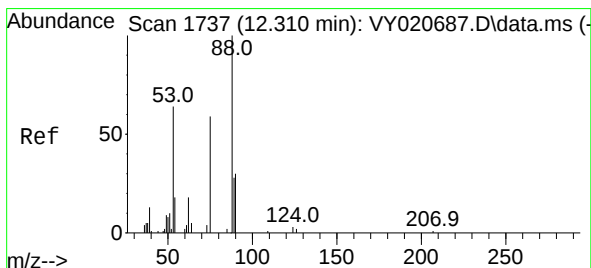
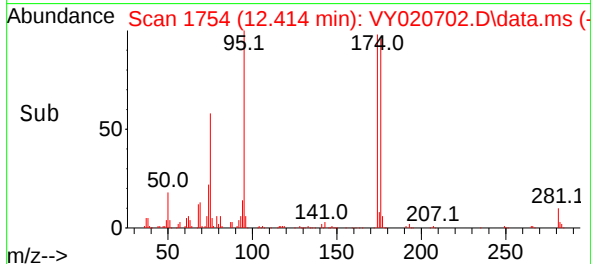
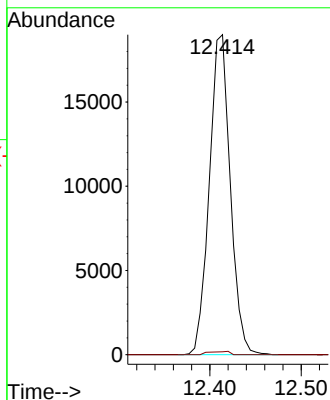
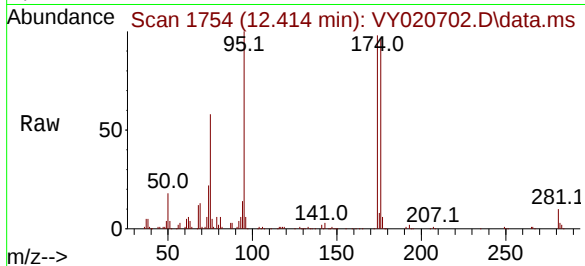




#76
1,2,3-Trichloropropane
Concen: 82.135 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020702.D
Acq: 23 Dec 2024 19:25

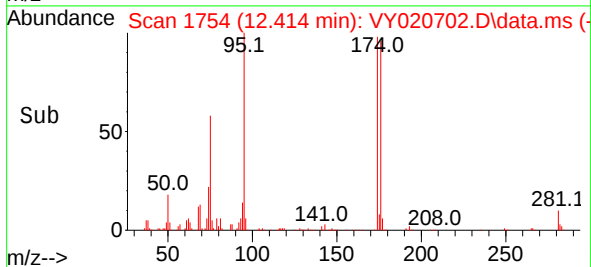
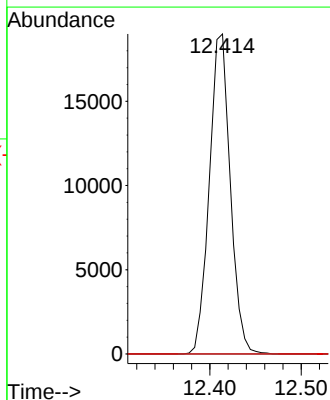
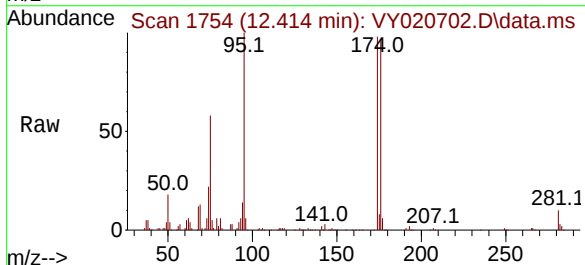
Instrument :
MSVOA_Y
ClientSampleId :
RBR251688

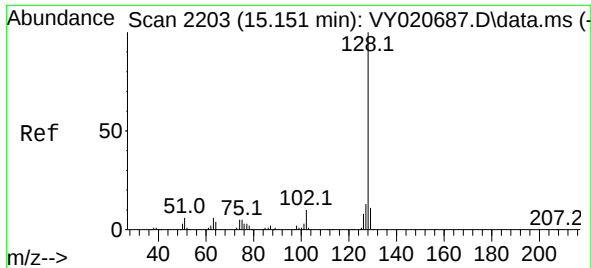
Tgt Ion: 75 Resp: 30246
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 178.544 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY020702.D
Acq: 23 Dec 2024 19:25

Tgt Ion: 75 Resp: 30246
Ion Ratio Lower Upper
75 100
53 0.0 83.1 124.7#
89 0.0 40.6 61.0#





#95

Naphthalene

Concen: 3.858 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY020702.D

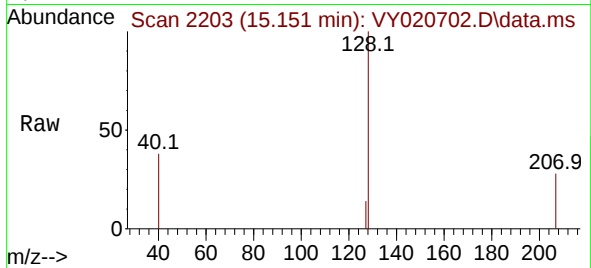
Acq: 23 Dec 2024 19:25

Instrument :

MSVOA_Y

ClientSampleId :

RBR251688



Tgt Ion:128 Resp: 580

Ion Ratio Lower Upper

128 100

127 3.3 10.7 16.1#

129 0.0 8.6 12.8#

