

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
 Data File : VY020618.D
 Acq On : 17 Dec 2024 12:24
 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: Dec 18 05:28:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

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

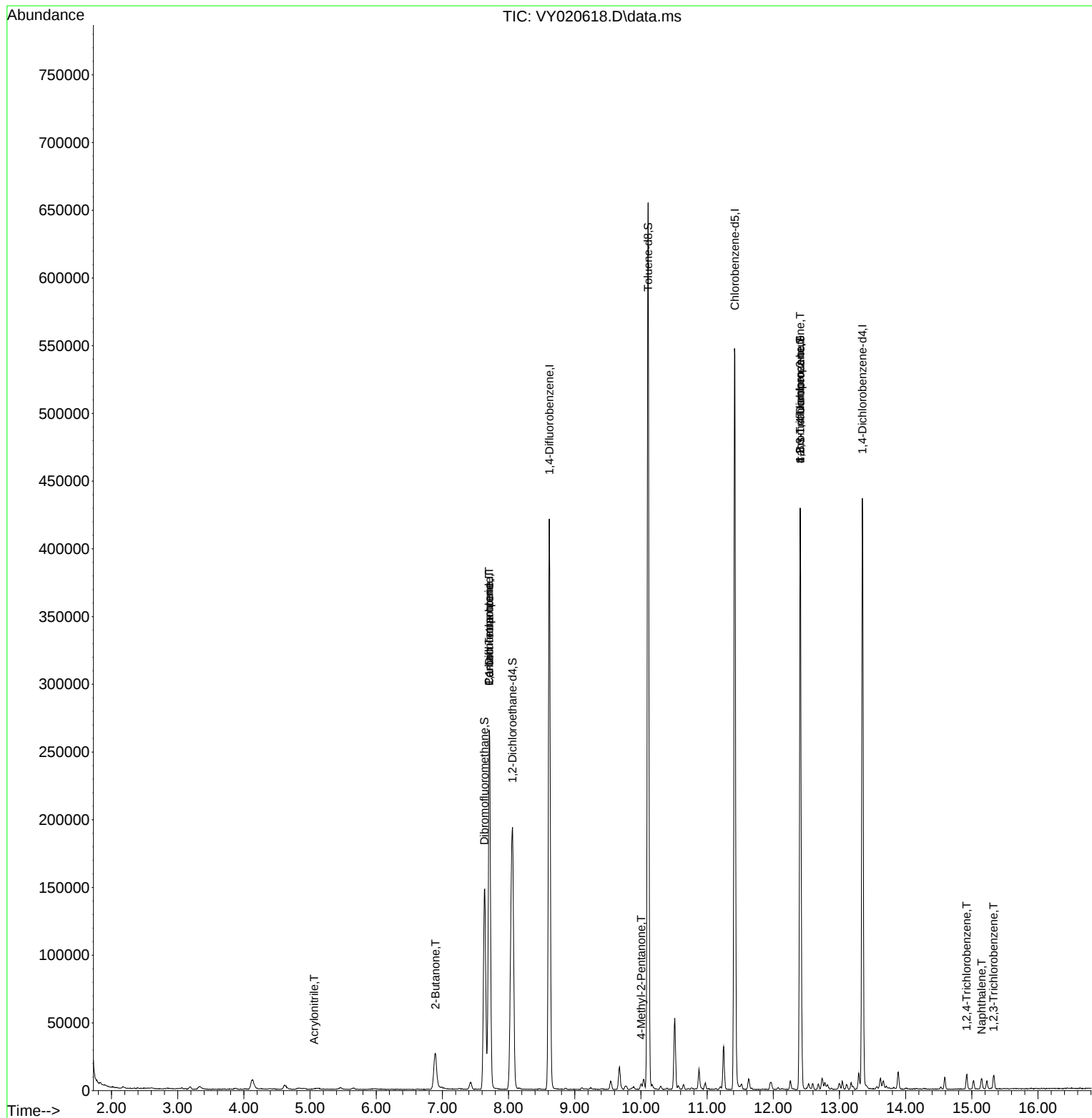
Internal Standards						
1) Pentafluorobenzene	7.707	168	203757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	352571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	290532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	110207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104163	46.677	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.360%
35) Dibromofluoromethane	7.634	113	108933	43.839	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.680%
50) Toluene-d8	10.109	98	424063	48.758	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.520%
62) 4-Bromofluorobenzene	12.407	95	124463	36.584	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	73.160%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.811	59	676	Below Cal	#	75
15) Acrylonitrile	5.061	53	826	1.341	ug/l #	79
16) Acetone	3.866	43	1627	Below Cal		97
25) 2-Butanone	6.896	43	2091	2.521	ug/l #	79
30) Chloroform	7.433	83	4971	Below Cal		92
36) 1,1-Dichloropropene	7.707	75	16521	3.646	ug/l #	50
38) Carbon Tetrachloride	7.707	117	20375	4.064	ug/l #	16
51) 4-Methyl-2-Pentanone	10.005	43	3021	1.418	ug/l #	84
76) 1,2,3-Trichloropropane	12.407	75	66610	58.183	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	66610	122.128	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.919	180	3462	1.597	ug/l	94
95) Naphthalene	15.151	128	6884	1.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	3493	1.908	ug/l	96

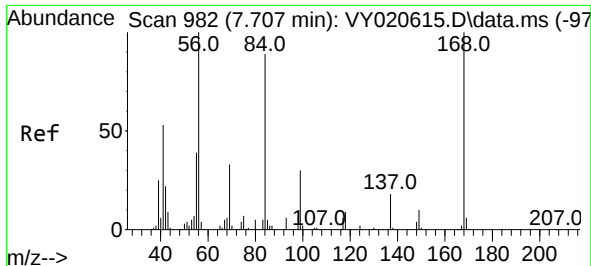
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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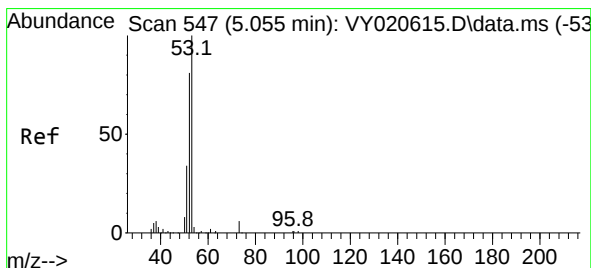
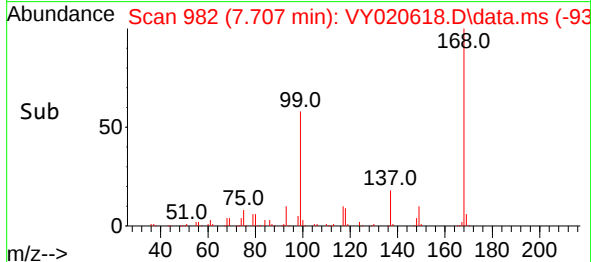
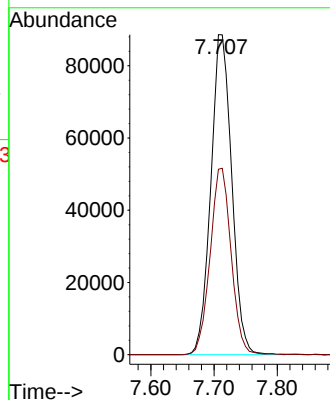
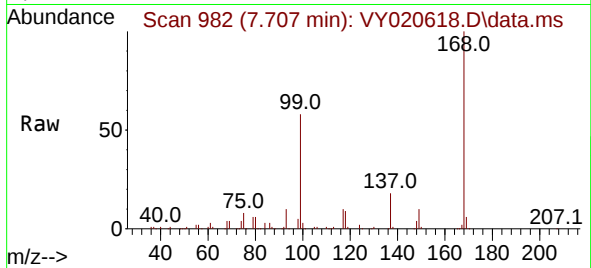




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020618.D
Acq: 17 Dec 2024 12:24

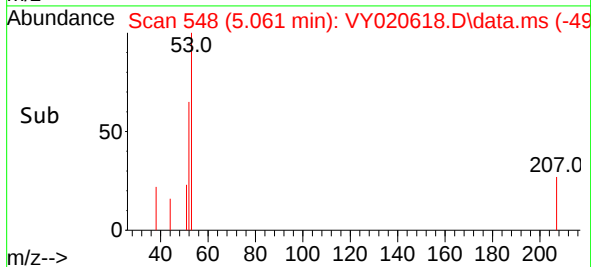
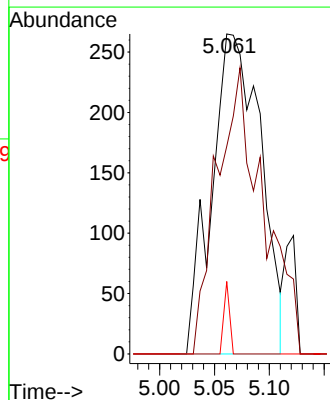
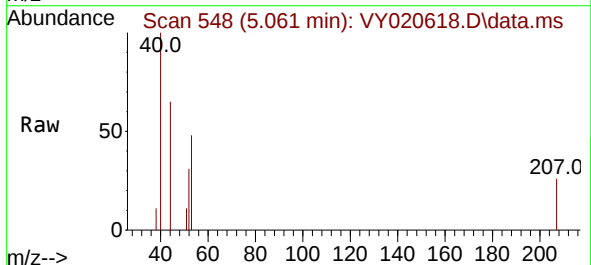
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

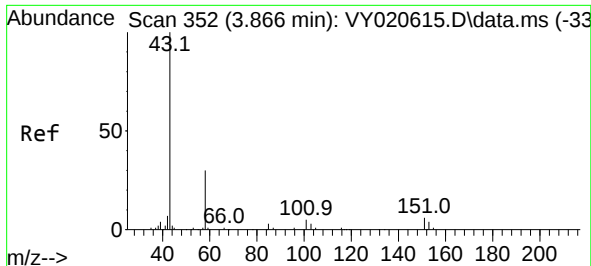
Tgt Ion:168 Resp: 203757
Ion Ratio Lower Upper
168 100
99 57.9 47.0 70.6



#15
Acrylonitrile
Concen: 1.341 ug/l
RT: 5.061 min Scan# 548
Delta R.T. 0.006 min
Lab File: VY020618.D
Acq: 17 Dec 2024 12:24

Tgt Ion: 53 Resp: 826
Ion Ratio Lower Upper
53 100
52 83.9 64.5 96.7
51 2.7 29.4 44.0#





#16

Acetone

Concen: Below Cal

RT: 3.866 min Scan# 316

Delta R.T. 0.000 min

Lab File: VY020618.D

Acq: 17 Dec 2024 12:24

Instrument :

MSVOA_Y

ClientSampleId :

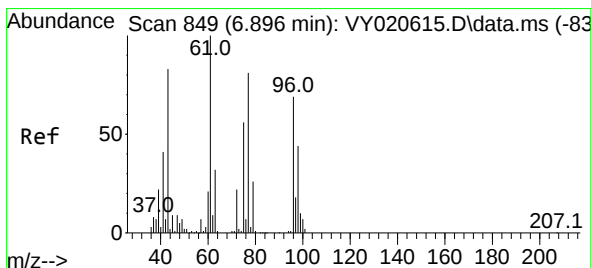
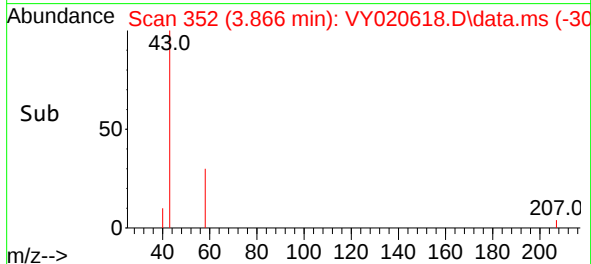
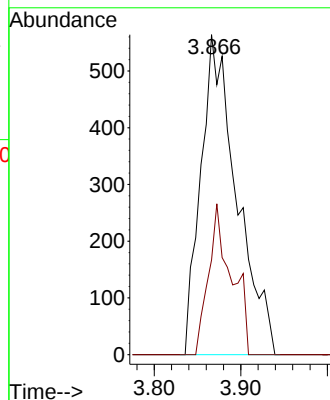
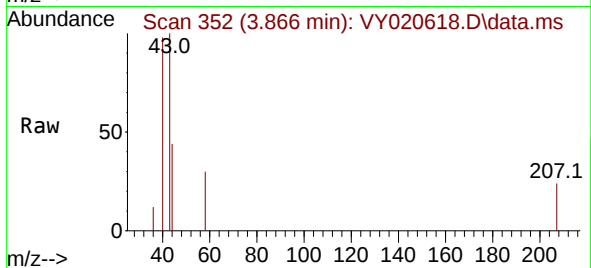
VIBLK

Tgt Ion: 43 Resp: 1627

Ion Ratio Lower Upper

43 100

58 29.6 25.0 37.6



#25

2-Butanone

Concen: 2.521 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY020618.D

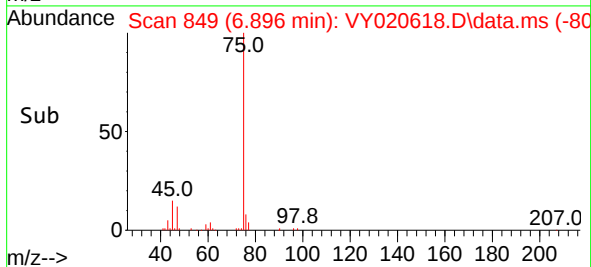
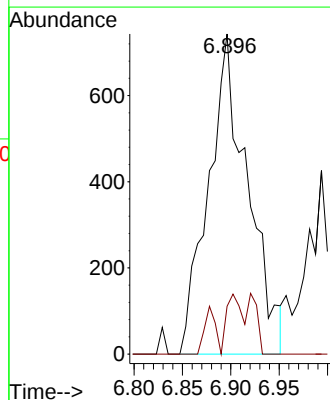
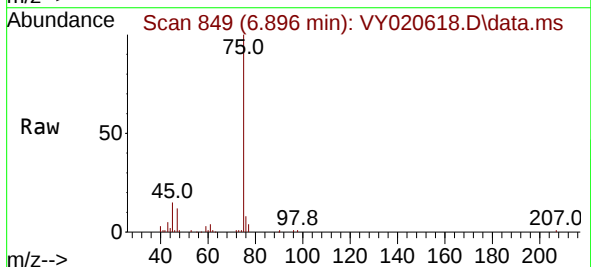
Acq: 17 Dec 2024 12:24

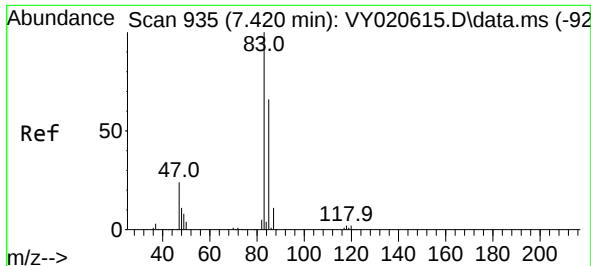
Tgt Ion: 43 Resp: 2091

Ion Ratio Lower Upper

43 100

72 14.9 20.6 31.0#





#30

Chloroform

Concen: Below Cal

RT: 7.433 min Scan# 91

Delta R.T. 0.013 min

Lab File: VY020618.D

Acq: 17 Dec 2024 12:24

Instrument :

MSVOA_Y

ClientSampleId :

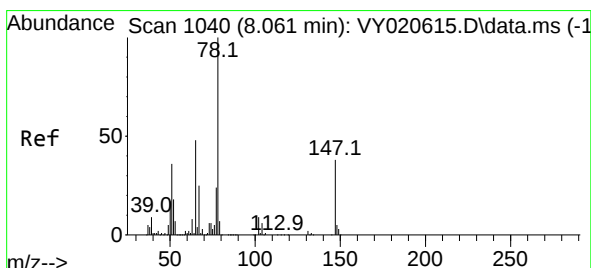
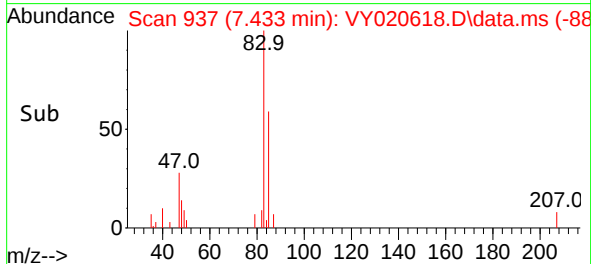
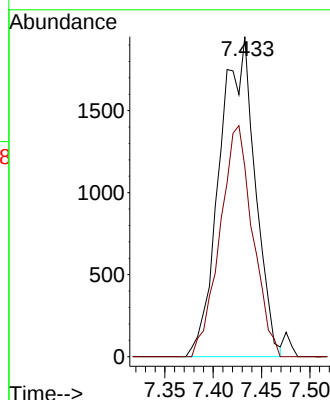
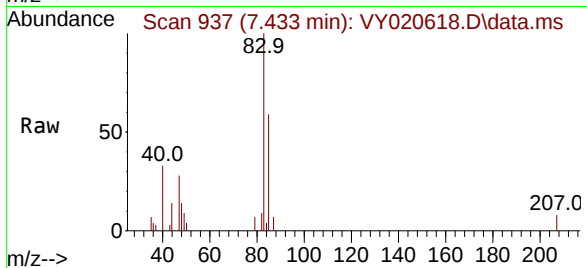
VIBLK

Tgt Ion: 83 Resp: 4971

Ion Ratio Lower Upper

83 100

85 59.3 52.7 79.1



#33

1,2-Dichloroethane-d4

Concen: 46.677 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY020618.D

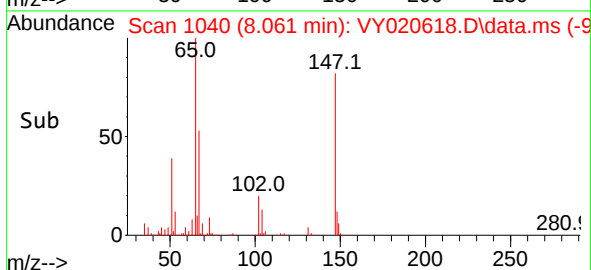
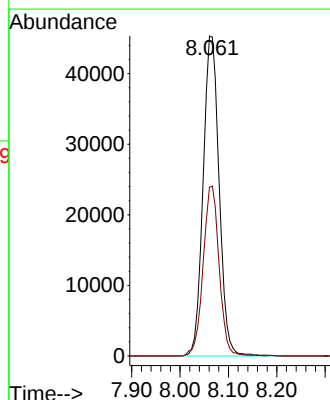
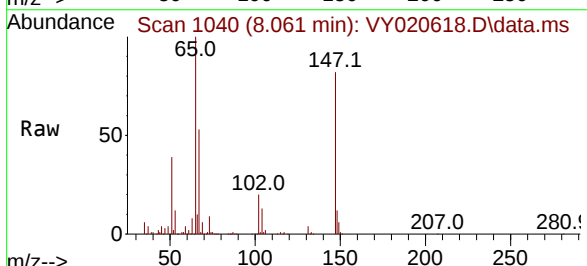
Acq: 17 Dec 2024 12:24

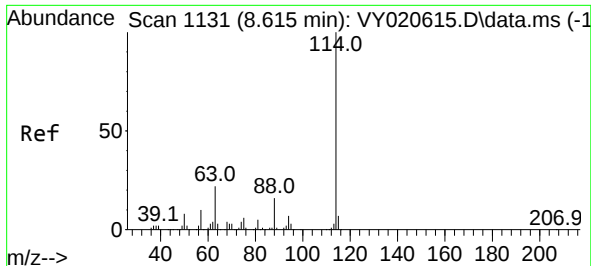
Tgt Ion: 65 Resp: 104163

Ion Ratio Lower Upper

65 100

67 53.2 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY020618.D

Acq: 17 Dec 2024 12:24

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

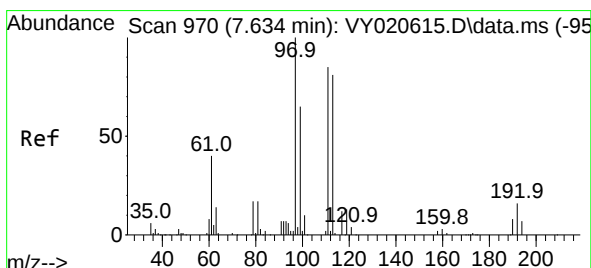
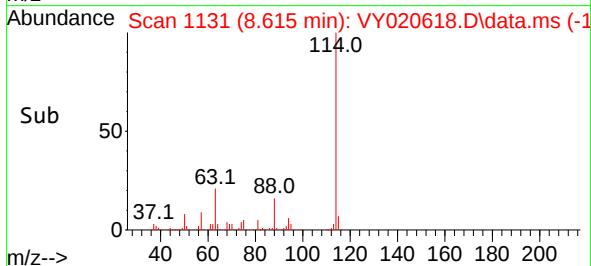
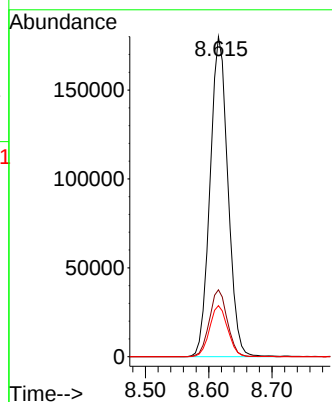
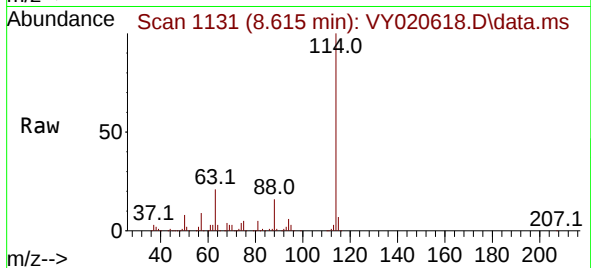
Tgt Ion:114 Resp: 352571

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.0

88 15.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 43.839 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY020618.D

Acq: 17 Dec 2024 12:24

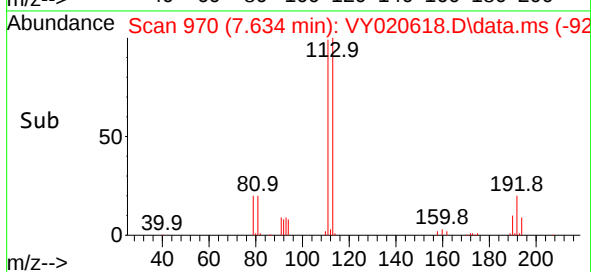
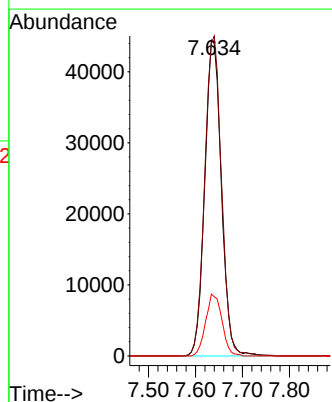
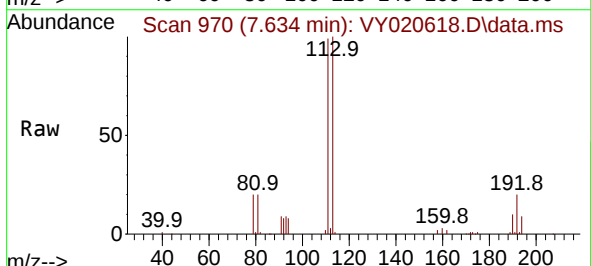
Tgt Ion:113 Resp: 108933

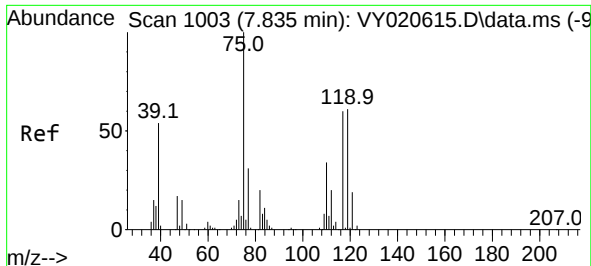
Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

192 19.2 15.7 23.5





#36

1,1-Dichloropropene

Concen: 3.646 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY020618.D

Acq: 17 Dec 2024 12:24

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

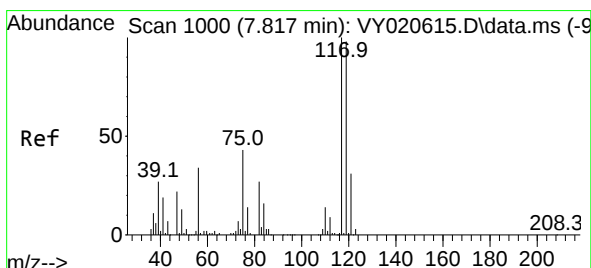
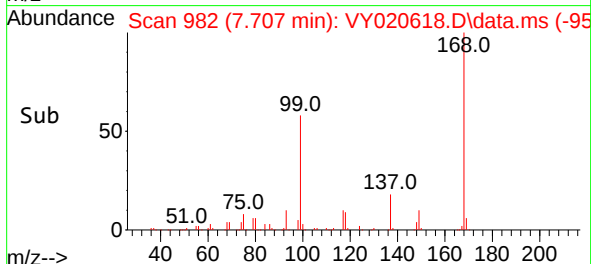
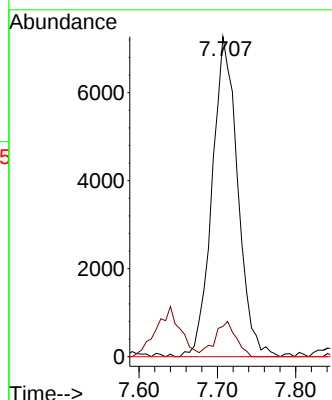
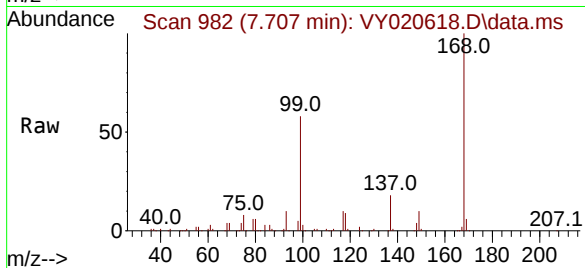
Tgt Ion: 75 Resp: 16521

Ion Ratio Lower Upper

75 100

110 9.1 16.8 50.4#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.064 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY020618.D

Acq: 17 Dec 2024 12:24

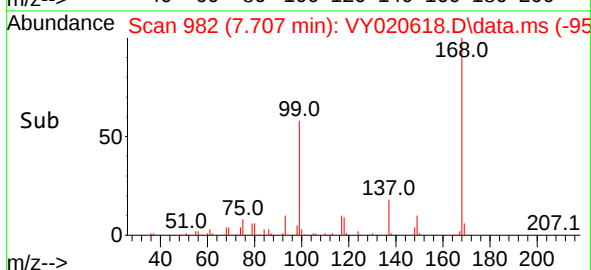
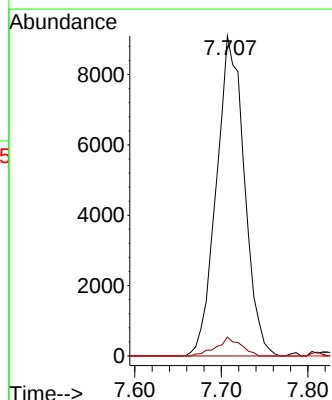
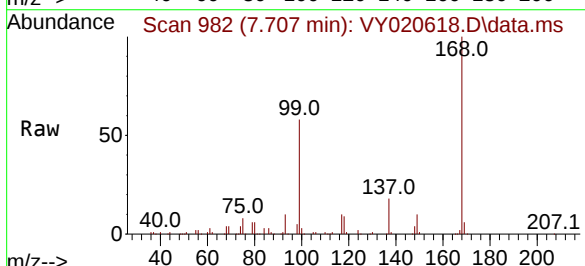
Tgt Ion: 117 Resp: 20375

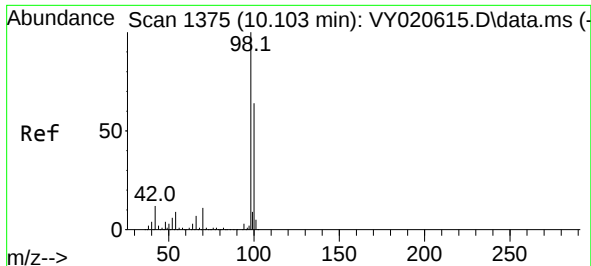
Ion Ratio Lower Upper

117 100

119 5.9 78.3 117.5#

121 0.0 25.1 37.7#

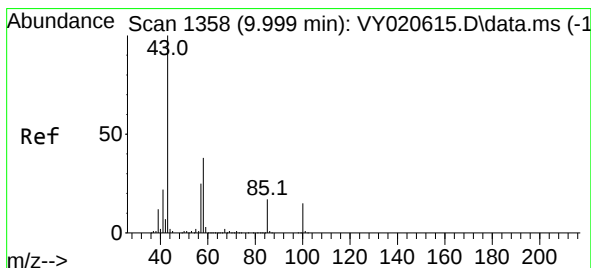
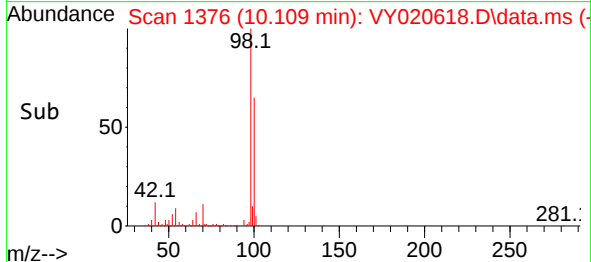
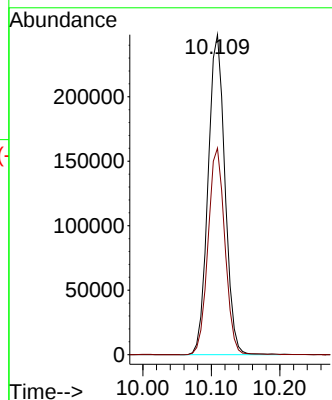
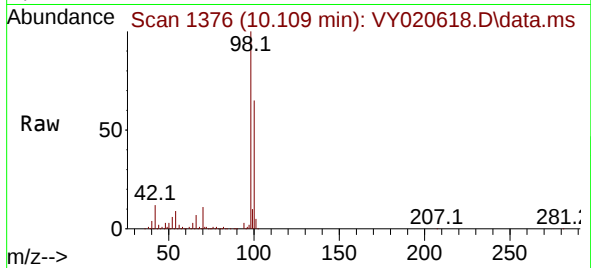




#50
Toluene-d8
Concen: 48.758 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY020618.D
Acq: 17 Dec 2024 12:24

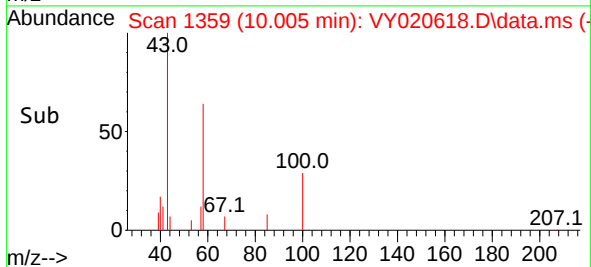
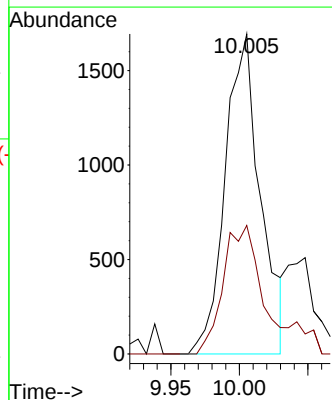
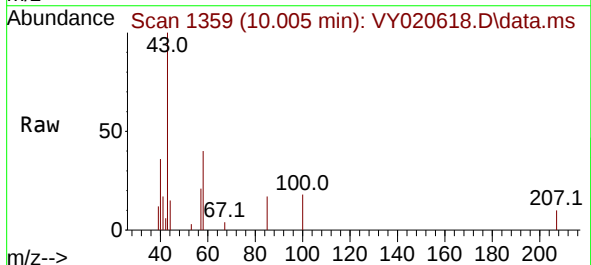
Instrument :
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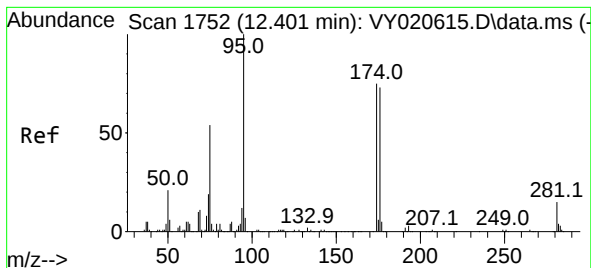
Tgt Ion: 98 Resp: 424063
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.418 ug/l
RT: 10.005 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY020618.D
Acq: 17 Dec 2024 12:24

Tgt Ion: 43 Resp: 3021
Ion Ratio Lower Upper
43 100
58 49.3 31.4 47.2#

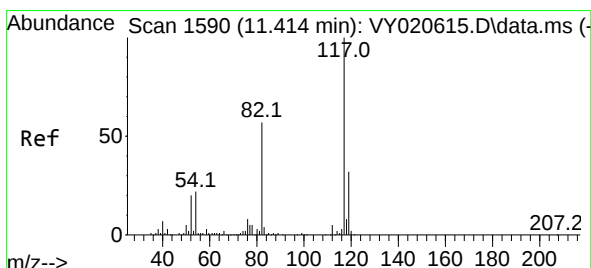
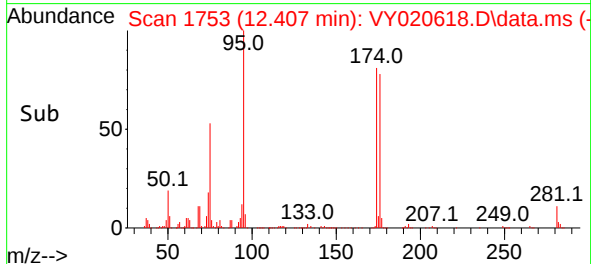
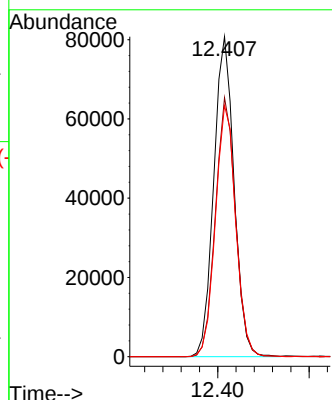
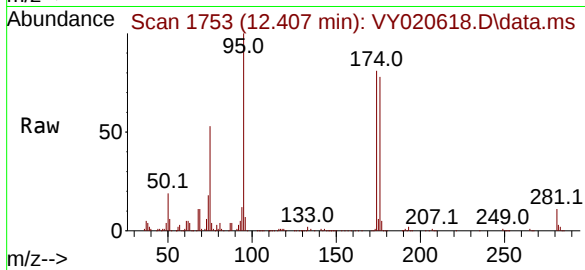




#62
4-Bromofluorobenzene
Concen: 36.584 ug/l
RT: 12.407 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY020618.D
Acq: 17 Dec 2024 12:24

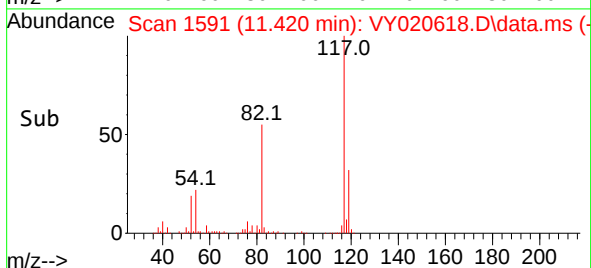
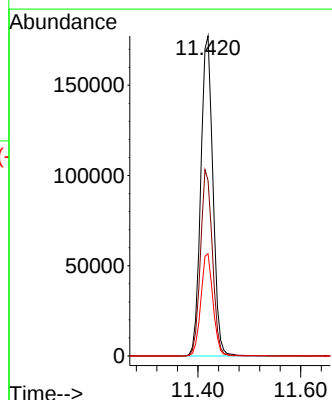
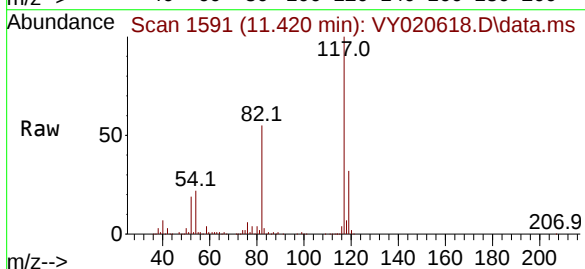
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

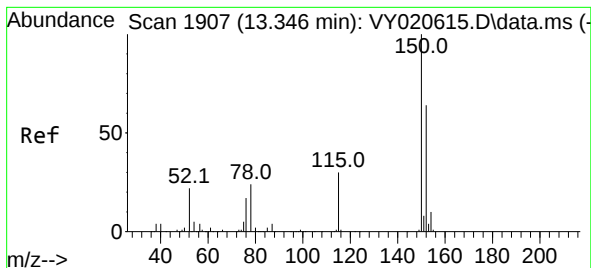
Tgt Ion: 95 Resp: 124463
Ion Ratio Lower Upper
95 100
174 80.4 0.0 161.8
176 78.5 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY020618.D
Acq: 17 Dec 2024 12:24

Tgt Ion: 117 Resp: 290532
Ion Ratio Lower Upper
117 100
82 54.8 45.8 68.6
119 32.0 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY020618.D

Acq: 17 Dec 2024 12:24

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

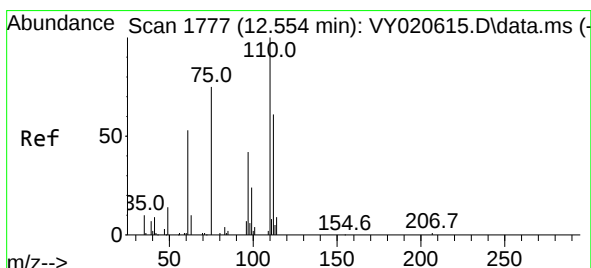
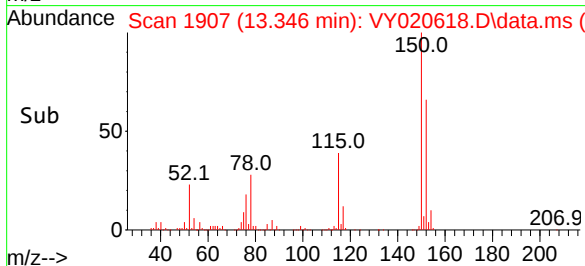
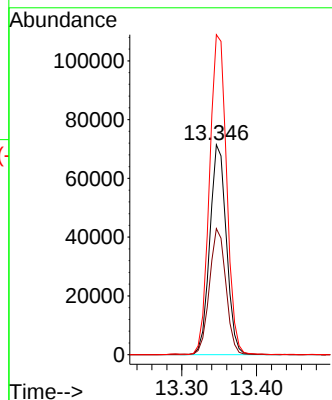
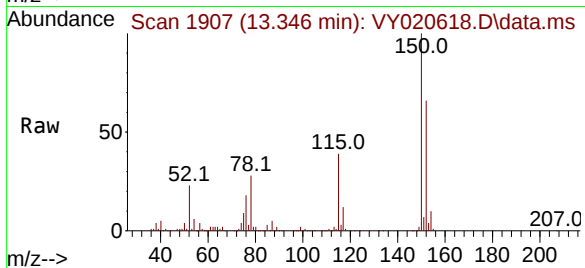
Tgt Ion:152 Resp: 110207

Ion Ratio Lower Upper

152 100

115 59.6 30.2 90.6

150 156.9 0.0 355.4



#76

1,2,3-Trichloropropane

Concen: 58.183 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY020618.D

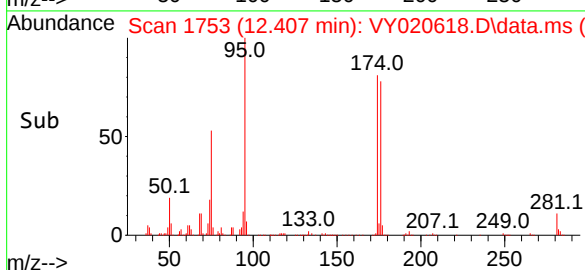
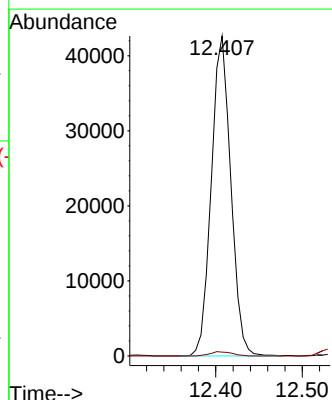
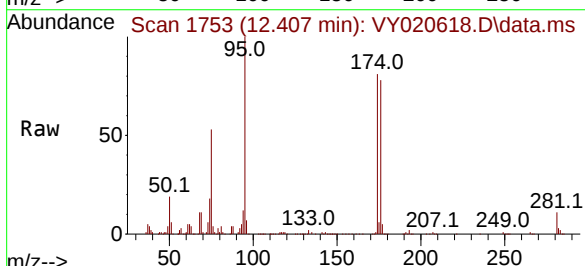
Acq: 17 Dec 2024 12:24

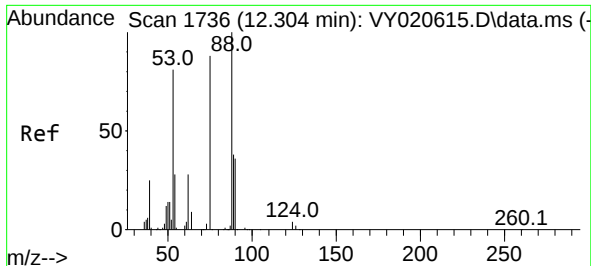
Tgt Ion: 75 Resp: 66610

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

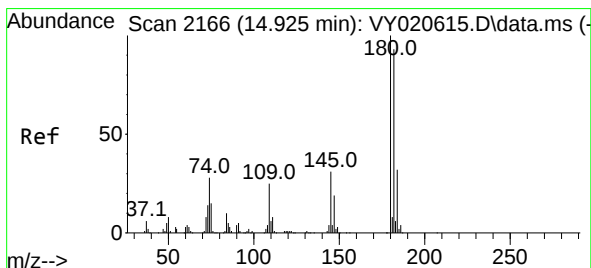
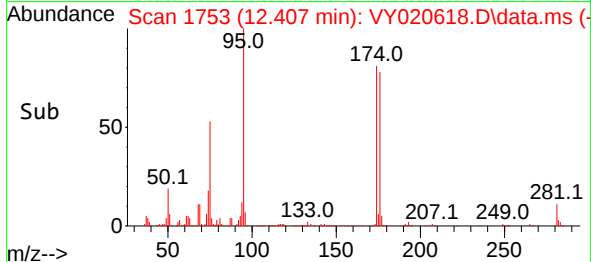
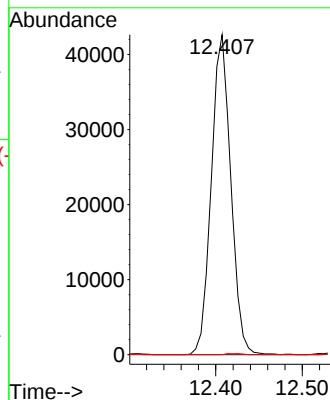
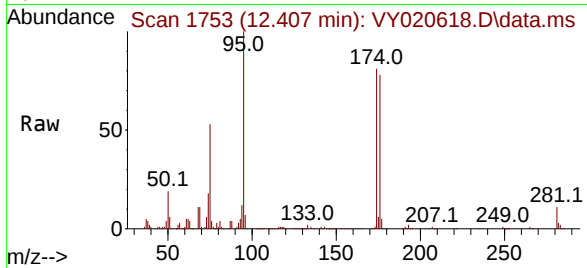




#81
trans-1,4-Dichloro-2-butene
Concen: 122.128 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY020618.D
Acq: 17 Dec 2024 12:24

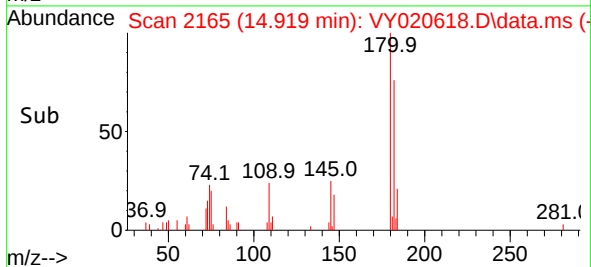
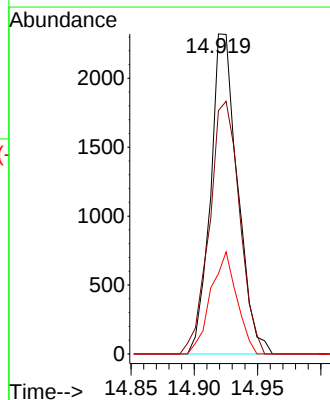
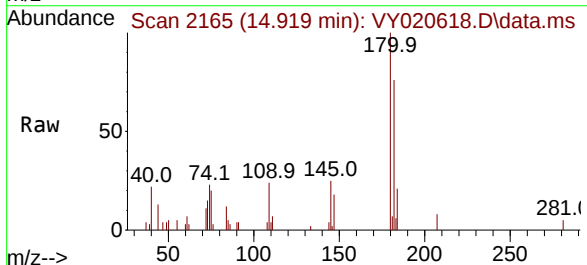
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

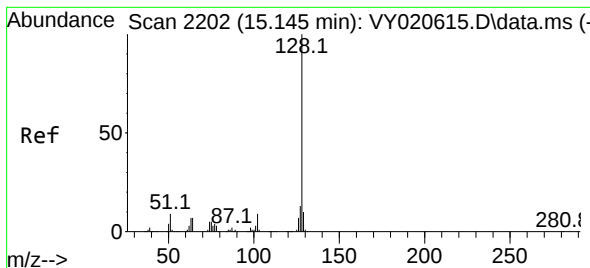
Tgt Ion: 75 Resp: 66610
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.3 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.597 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.006 min
Lab File: VY020618.D
Acq: 17 Dec 2024 12:24

Tgt Ion:180 Resp: 3462
Ion Ratio Lower Upper
180 100
182 87.8 47.9 143.6
145 30.7 15.6 46.7





#95

Naphthalene

Concen: 1.853 ug/l

RT: 15.151 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VY020618.D

Acq: 17 Dec 2024 12:24

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

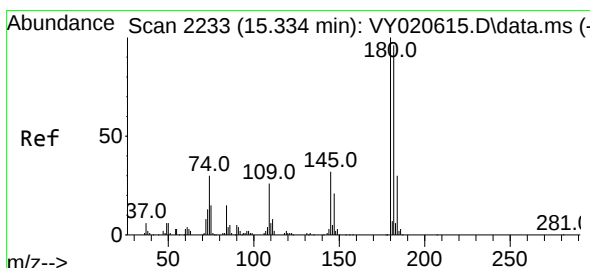
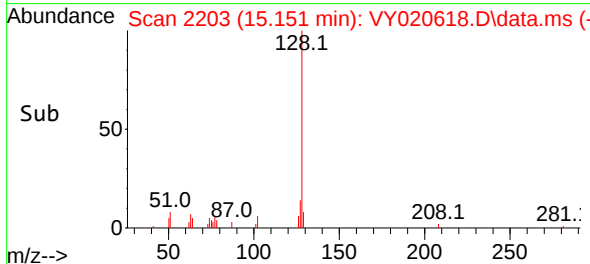
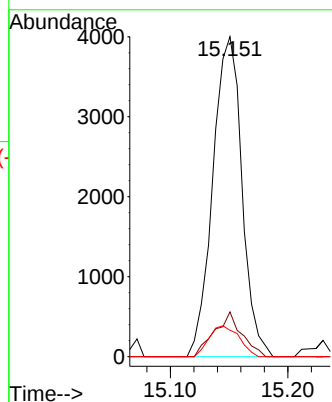
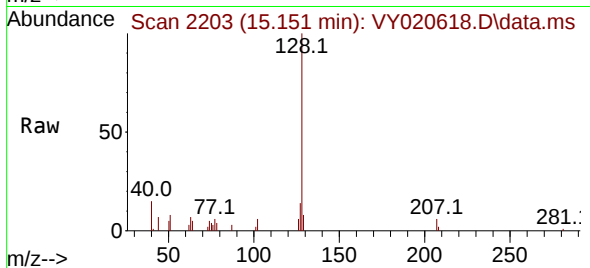
Tgt Ion:128 Resp: 6884

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 10.0 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 1.908 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.006 min

Lab File: VY020618.D

Acq: 17 Dec 2024 12:24

Tgt Ion:180 Resp: 3493

Ion Ratio Lower Upper

180 100

182 90.1 47.3 141.9

145 32.4 16.0 48.0

