

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008865.D
 Acq On : 19 May 2022 14:14
 Operator : KP/MD
 Sample : N2832-05RE
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB06

Quant Time: May 19 16:59:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

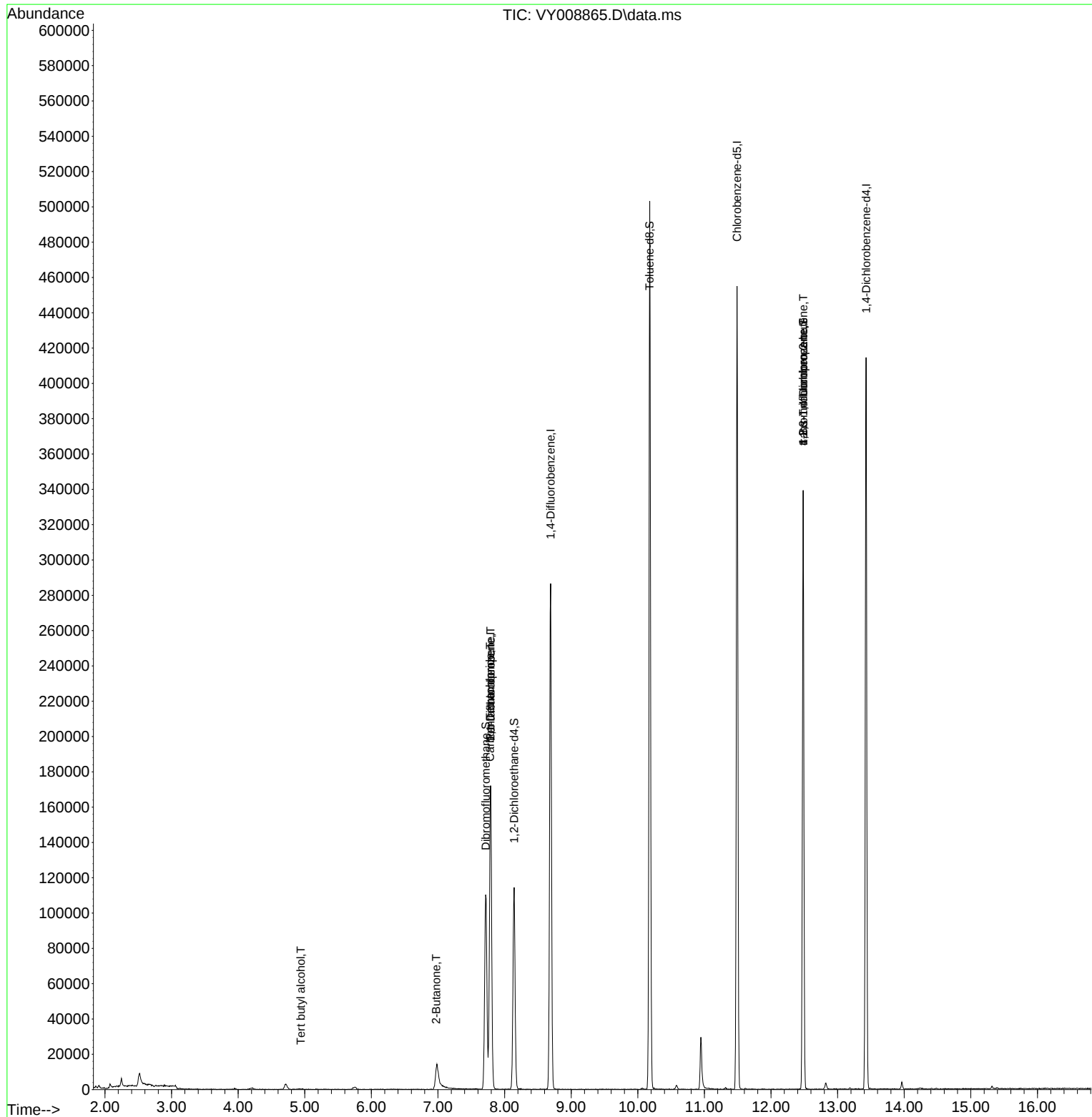
Internal Standards						
1) Pentafluorobenzene	7.789	168	132629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	241628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	232122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	100911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	84400	68.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.200%	
35) Dibromofluoromethane	7.716	113	75383	53.396	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.800%	
50) Toluene-d8	10.179	98	300125	47.964	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.920%	
62) 4-Bromofluorobenzene	12.483	95	88149	40.104	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	863	Below Cal		86
3) Chloromethane	2.113	50	212	Below Cal	#	44
4) Vinyl Chloride	2.186	62	21	Below Cal	#	43
5) Bromomethane	2.662	94	73	Below Cal	#	25
6) Chloroethane	2.845	64	23	Below Cal	#	43
7) Trichlorofluoromethane	3.119	101	142	Below Cal	#	21
11) Tert butyl alcohol	4.942	59	463	3.405 ug/l	#	77
16) Acetone	3.954	43	592	Below Cal		94
18) Methyl Acetate	4.247	43	57	Below Cal	#	56
20) Methylene Chloride	4.704	84	2141	Below Cal	#	79
25) 2-Butanone	6.972	43	912	1.766 ug/l	#	54
31) Cyclohexane	7.783	56	3196	Below Cal	#	38
36) 1,1-Dichloropropene	7.789	75	11114	4.915 ug/l	#	52
38) Carbon Tetrachloride	7.783	117	13405	5.532 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	50962	43.719 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50962	95.626 ug/l	#	7

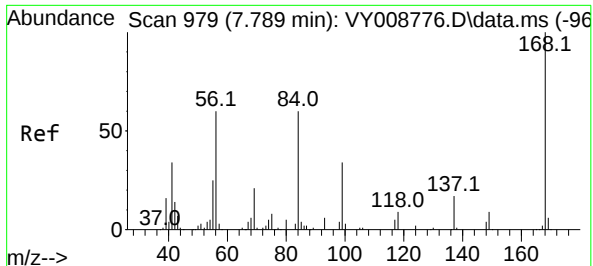
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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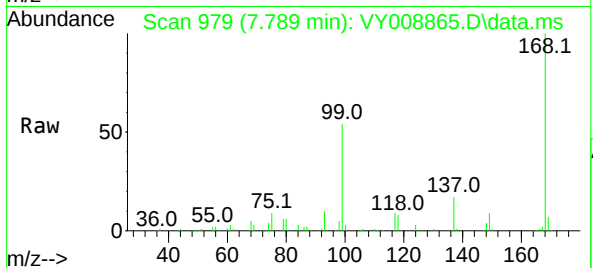
Quant Time: May 19 16:59:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
Response via : Initial Calibration



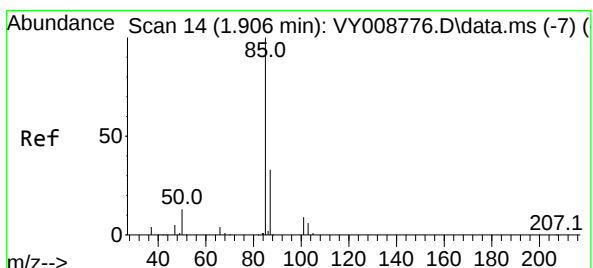
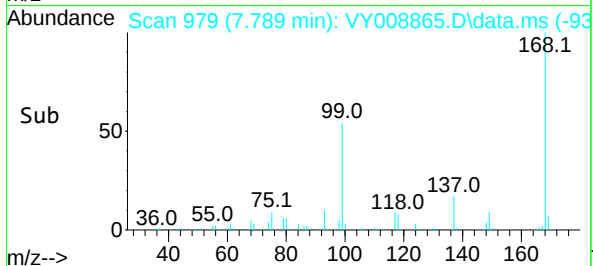
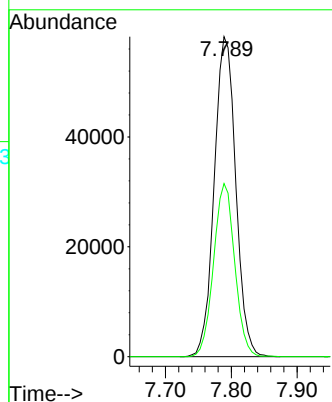


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

Instrument :
MSVOA_Y
ClientSampleId :
SB06

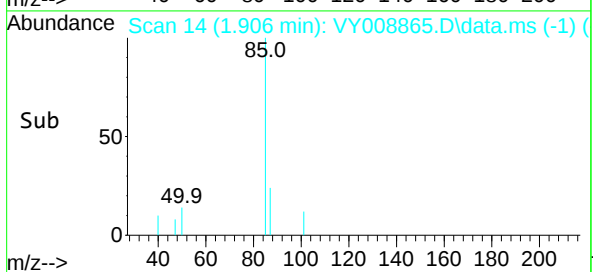
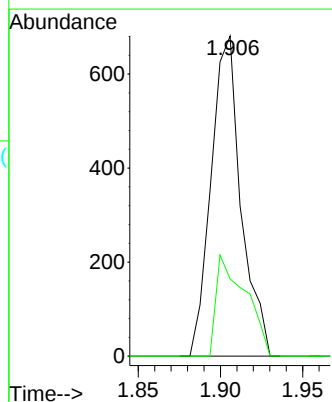
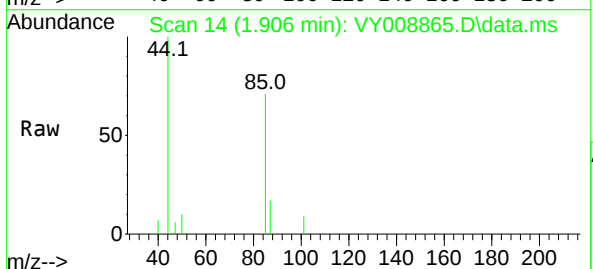


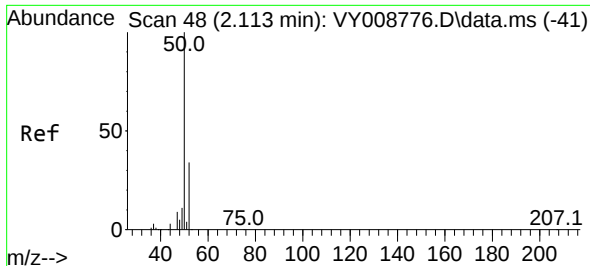
Tgt Ion:168 Resp: 132629
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

Tgt Ion: 85 Resp: 863
Ion Ratio Lower Upper
85 100
87 24.1 16.1 48.2

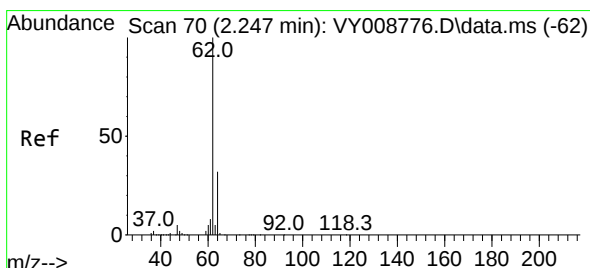
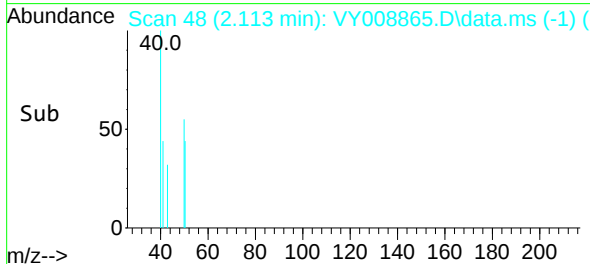
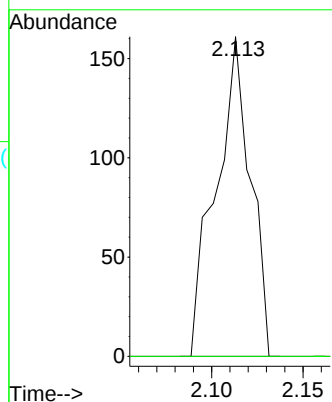
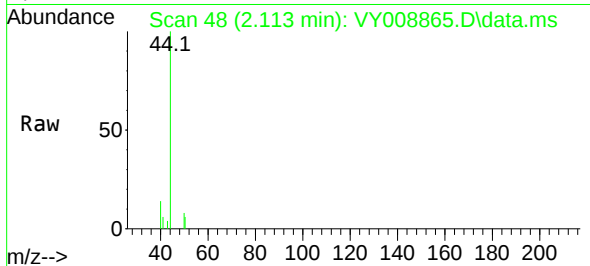




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

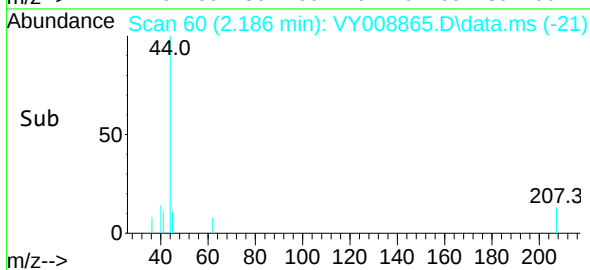
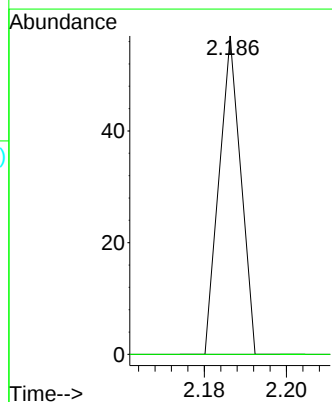
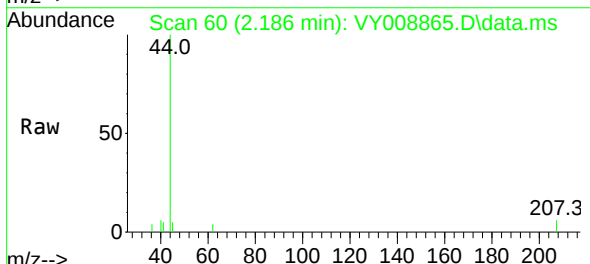
Instrument :
MSVOA_Y
ClientSampleId :
SB06

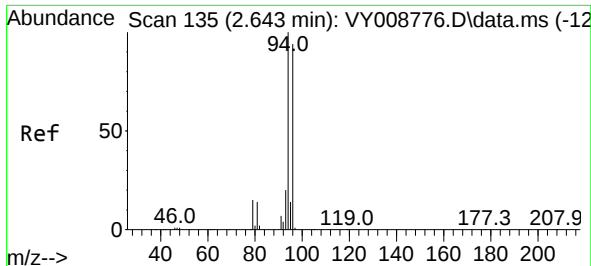
Tgt Ion: 50 Resp: 212
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.186 min Scan# 60
Delta R.T. -0.061 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

Tgt Ion: 62 Resp: 21
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

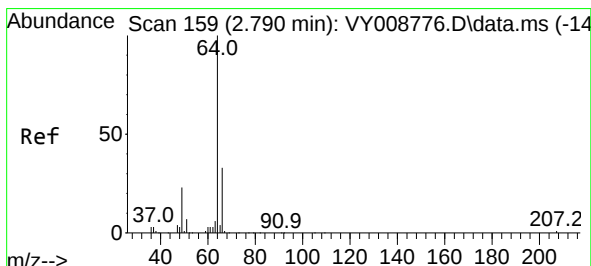
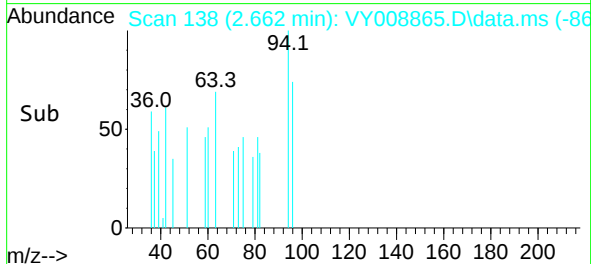
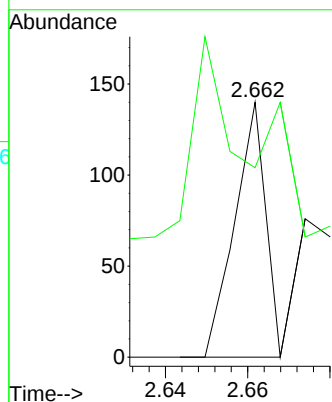
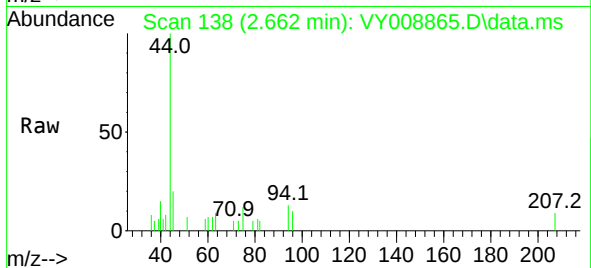




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

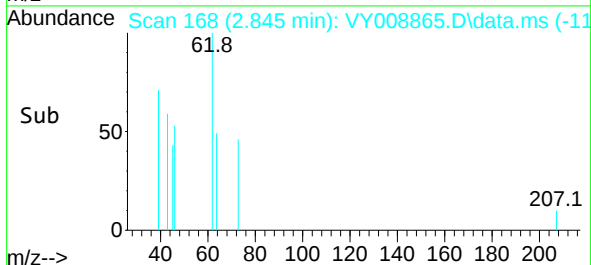
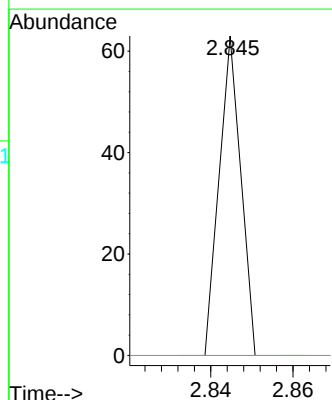
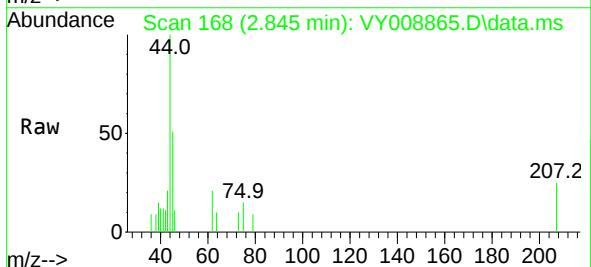
Instrument :
MSVOA_Y
ClientSampleId :
SB06

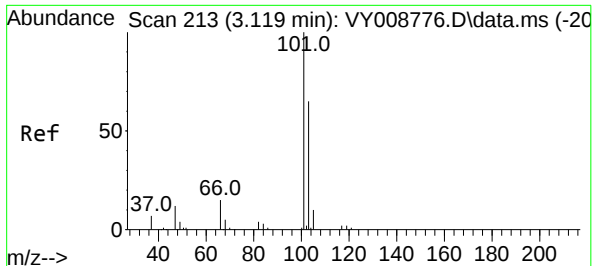
Tgt Ion: 94 Resp: 73
Ion Ratio Lower Upper
94 100
96 20.7 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.845 min Scan# 168
Delta R.T. 0.055 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

Tgt Ion: 64 Resp: 23
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

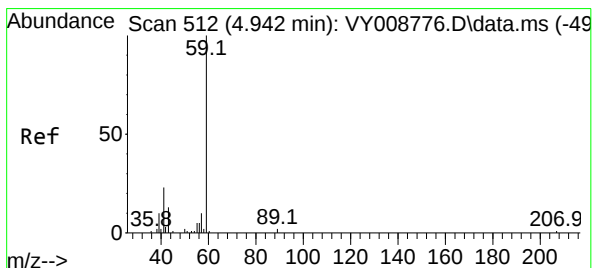
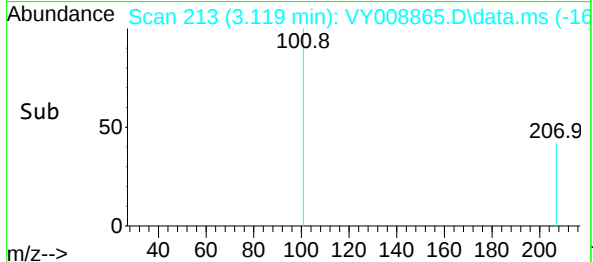
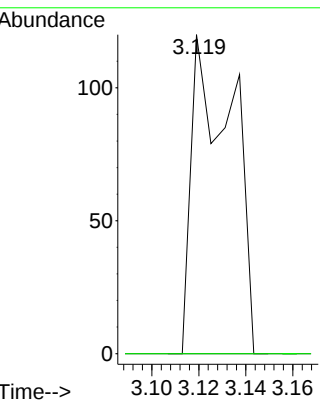
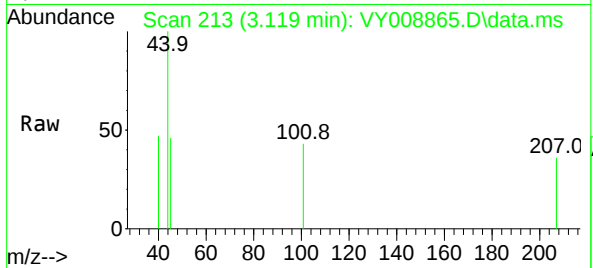




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.119 min Scan# 213
Delta R.T. 0.000 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

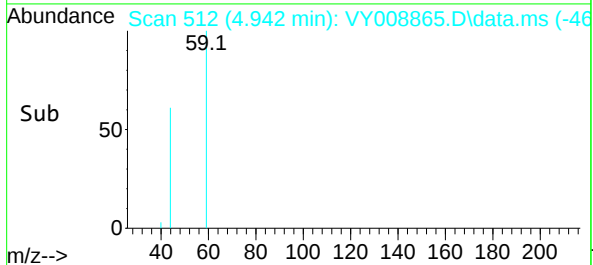
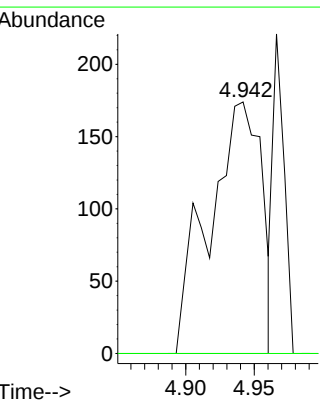
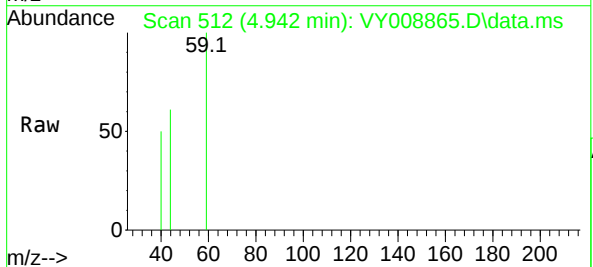
Instrument :
MSVOA_Y
ClientSampleId :
SB06

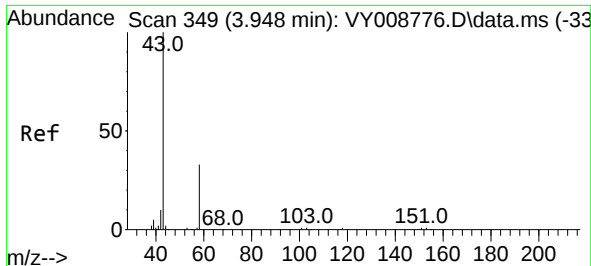
Tgt Ion:101 Resp: 142
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 3.405 ug/l
RT: 4.942 min Scan# 512
Delta R.T. 0.000 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

Tgt Ion: 59 Resp: 463
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: Below Cal

RT: 3.954 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY008865.D

Acq: 19 May 2022 14:14

Instrument :

MSVOA_Y

ClientSampleId :

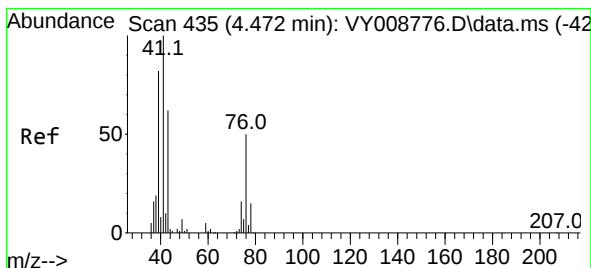
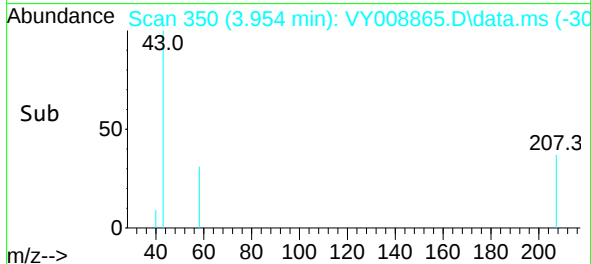
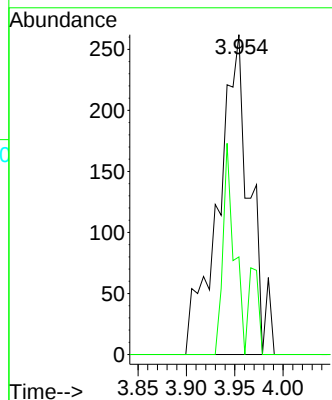
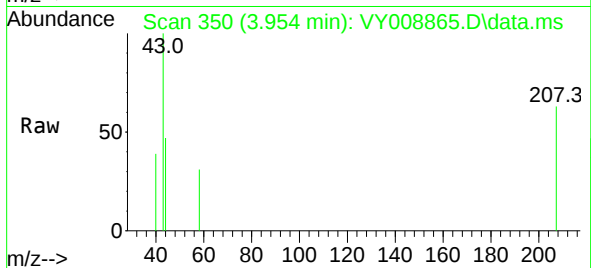
SB06

Tgt Ion: 43 Resp: 592

Ion Ratio Lower Upper

43 100

58 30.5 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.247 min Scan# 398

Delta R.T. -0.225 min

Lab File: VY008865.D

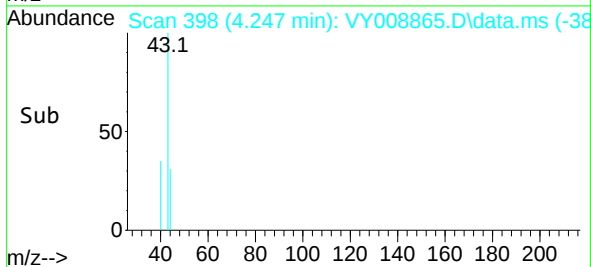
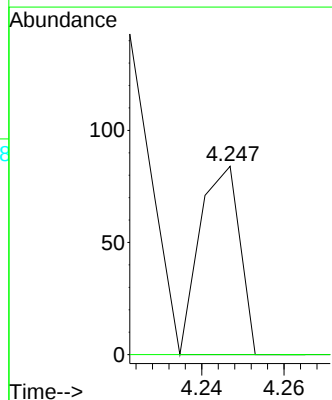
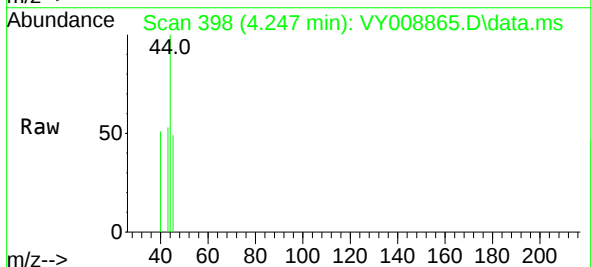
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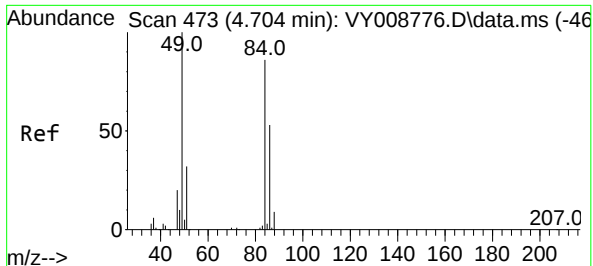
Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY008865.D

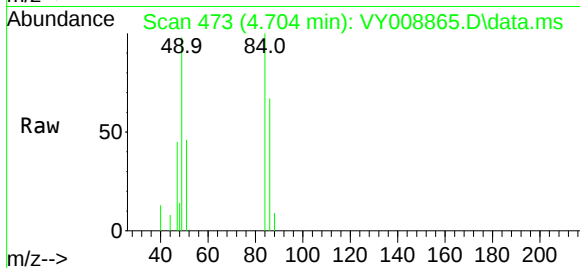
Acq: 19 May 2022 14:14

Instrument :

MSVOA_Y

ClientSampleId :

SB06



Tgt Ion: 84 Resp: 2141

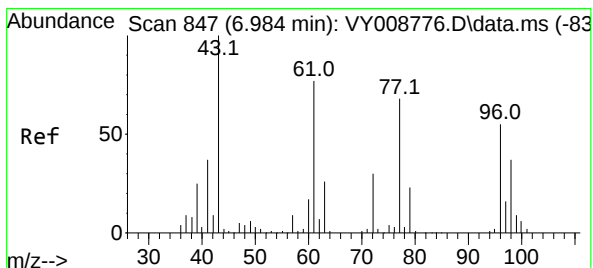
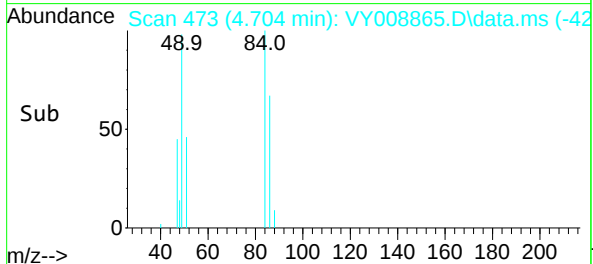
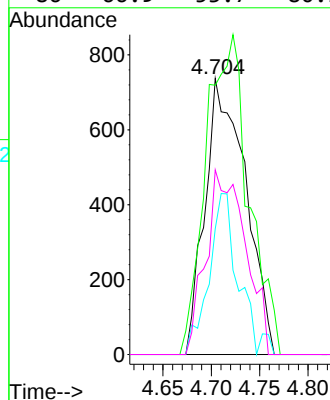
Ion Ratio Lower Upper

84 100

49 97.6 114.4 171.6#

51 45.6 35.3 52.9

86 66.9 53.7 80.5



#25

2-Butanone

Concen: 1.766 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY008865.D

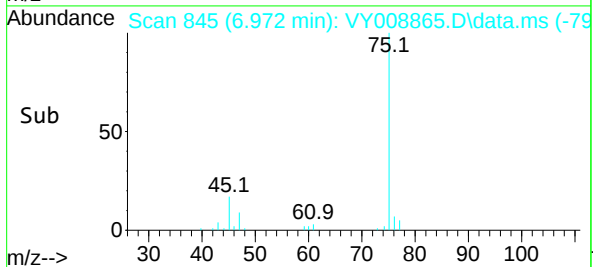
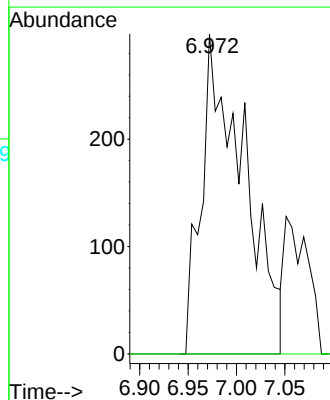
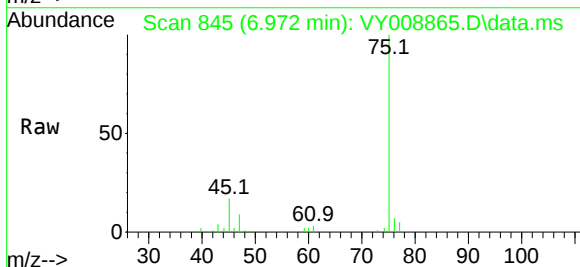
Acq: 19 May 2022 14:14

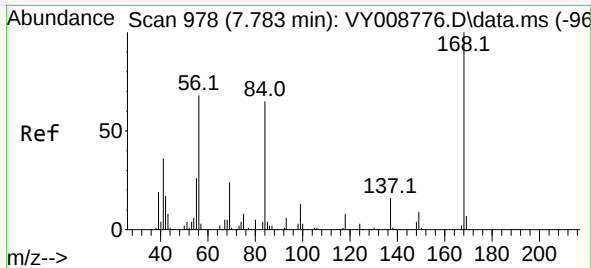
Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

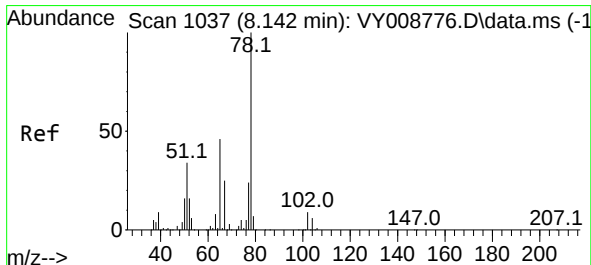
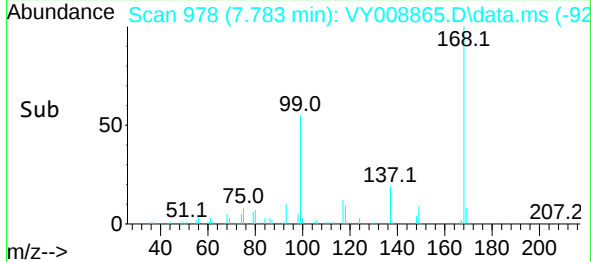
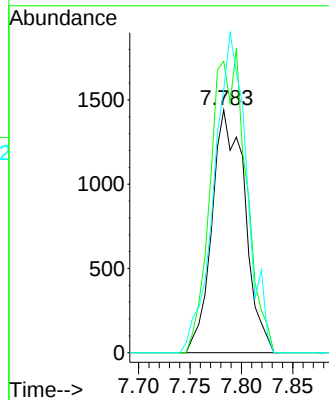
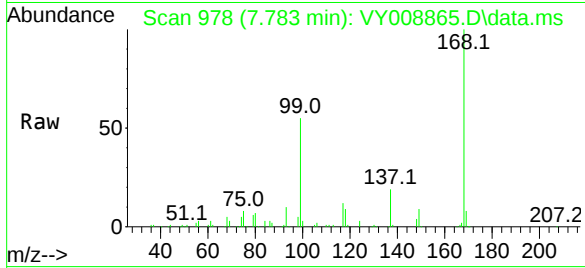




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

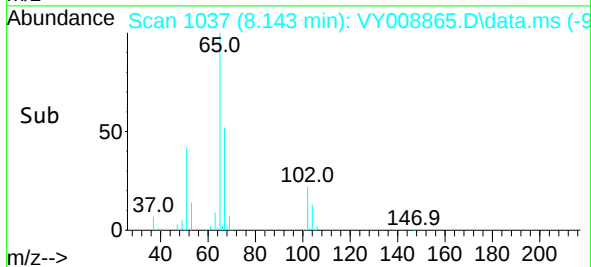
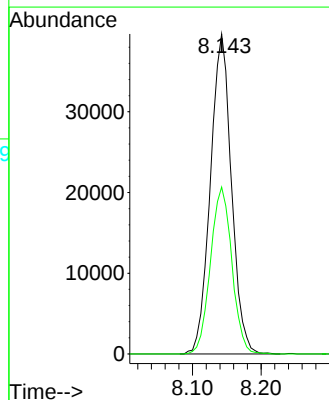
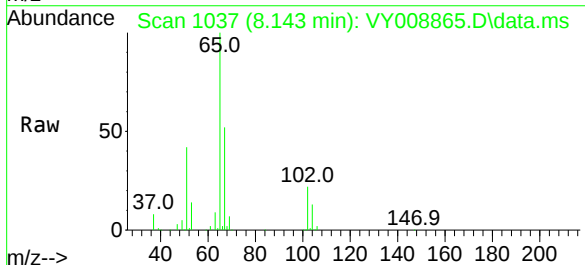
Instrument :
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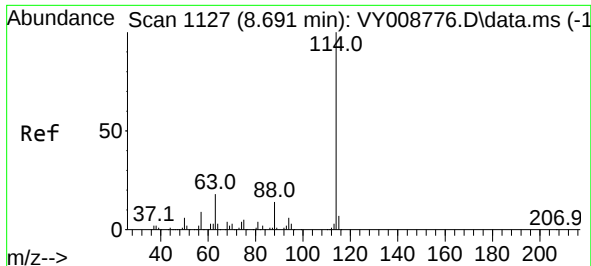
Tgt Ion: 56 Resp: 3196
Ion Ratio Lower Upper
56 100
69 120.1 26.7 40.1#
84 108.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.595 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

Tgt Ion: 65 Resp: 84400
Ion Ratio Lower Upper
65 100
67 53.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008865.D

Acq: 19 May 2022 14:14

Instrument :

MSVOA_Y

ClientSampleId :

SB06

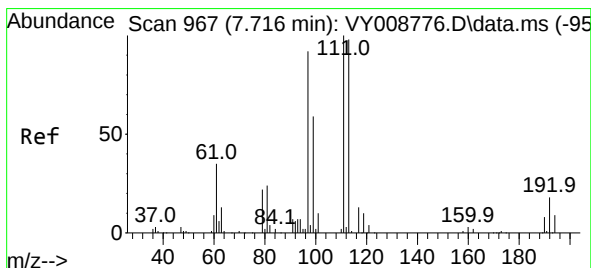
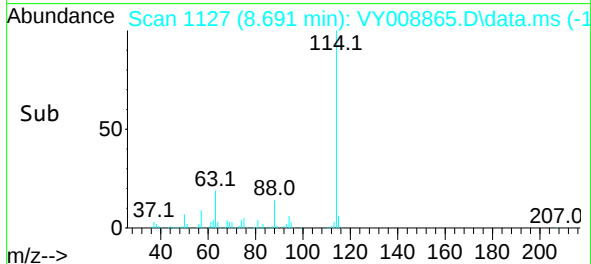
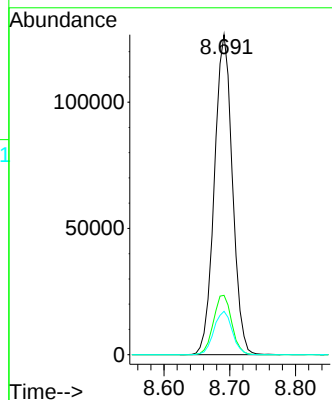
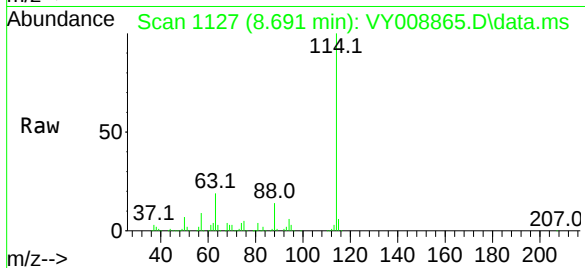
Tgt Ion:114 Resp: 241628

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 13.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.396 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008865.D

Acq: 19 May 2022 14:14

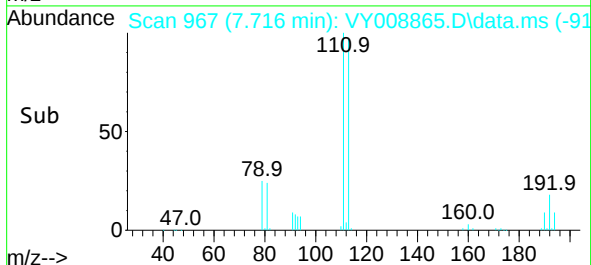
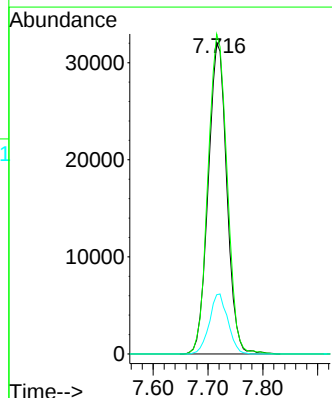
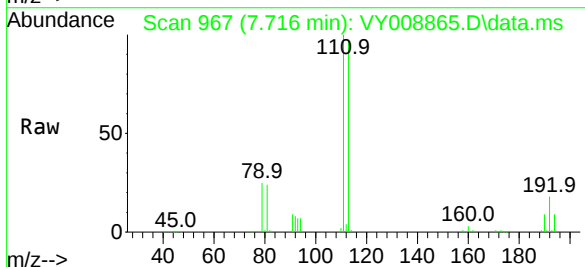
Tgt Ion:113 Resp: 75383

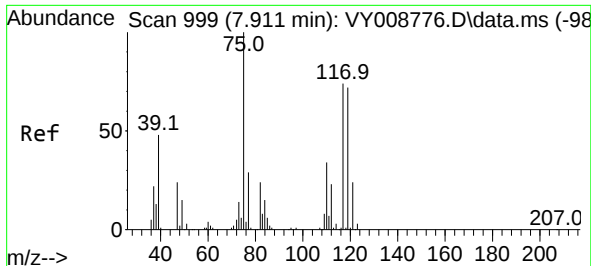
Ion Ratio Lower Upper

113 100

111 105.6 82.6 124.0

192 19.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.915 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY008865.D

Acq: 19 May 2022 14:14

Instrument :

MSVOA_Y

ClientSampleId :

SB06

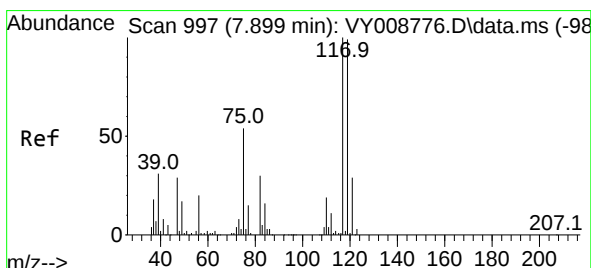
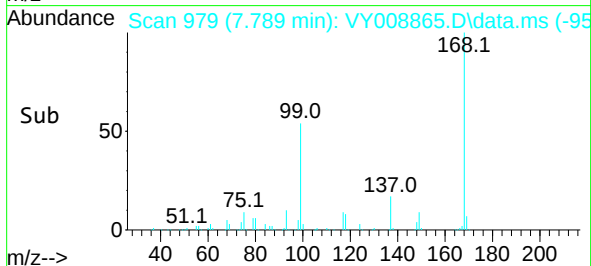
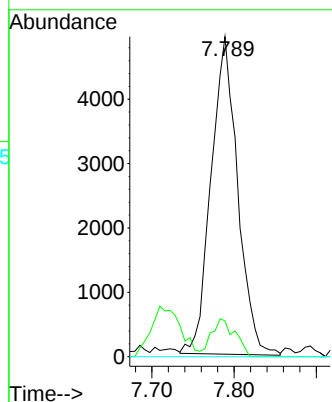
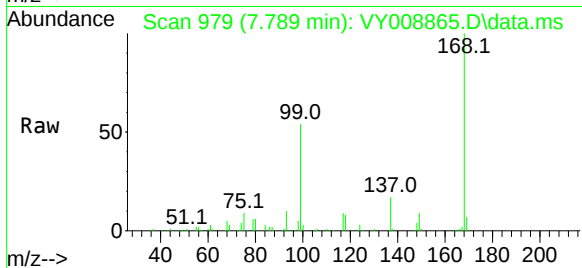
Tgt Ion: 75 Resp: 11114

Ion Ratio Lower Upper

75 100

110 10.5 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.532 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY008865.D

Acq: 19 May 2022 14:14

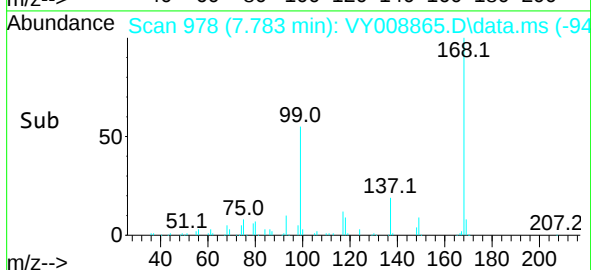
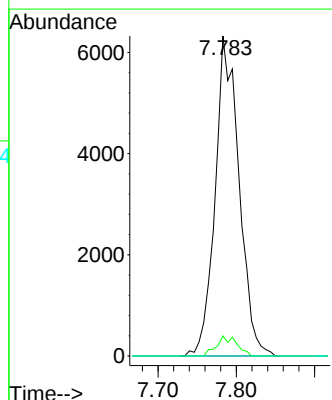
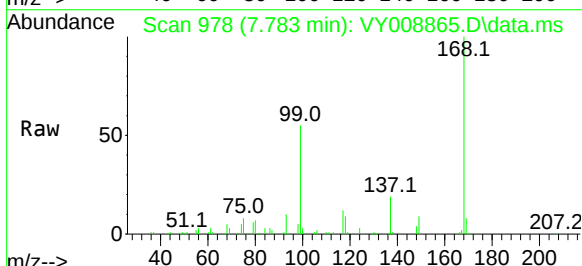
Tgt Ion: 117 Resp: 13405

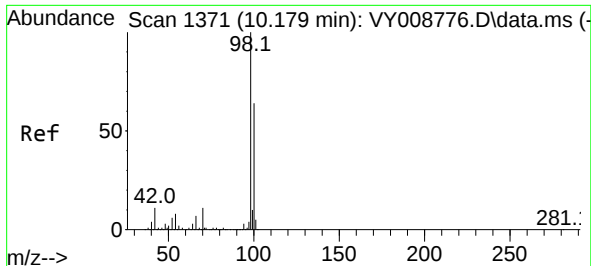
Ion Ratio Lower Upper

117 100

119 6.3 77.9 116.9#

121 0.0 24.8 37.2#

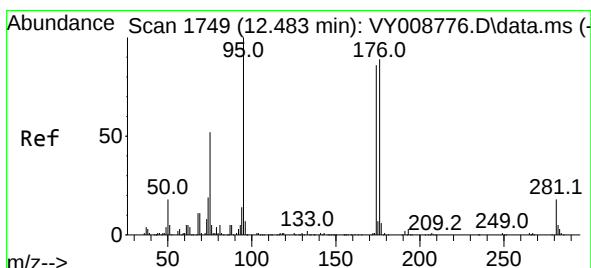
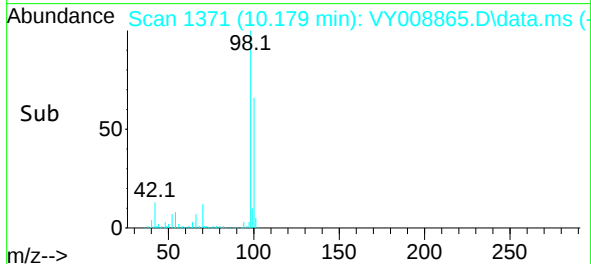
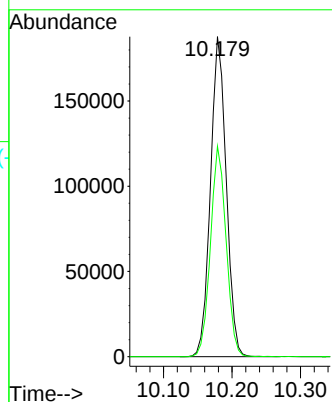
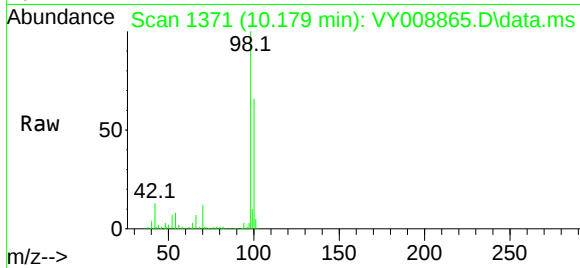




#50
Toluene-d8
Concen: 47.964 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

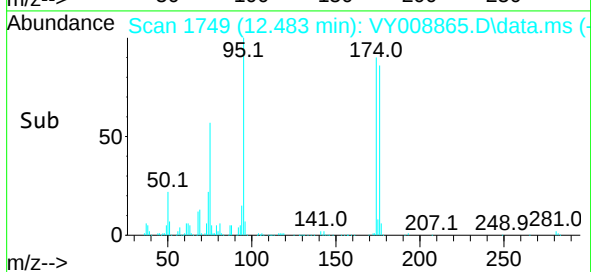
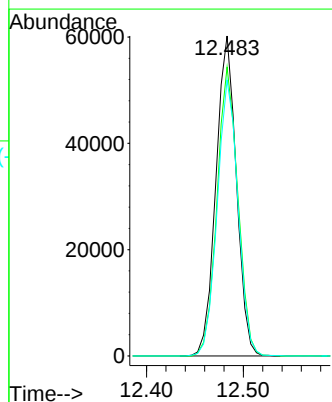
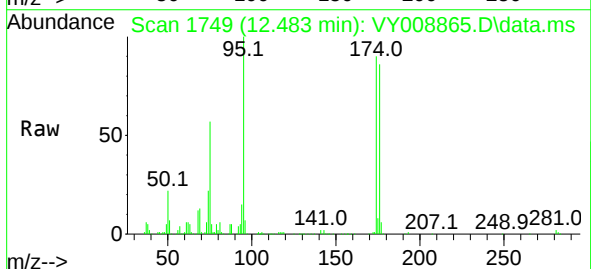
Instrument :
MSVOA_Y
ClientSampleId :
SB06

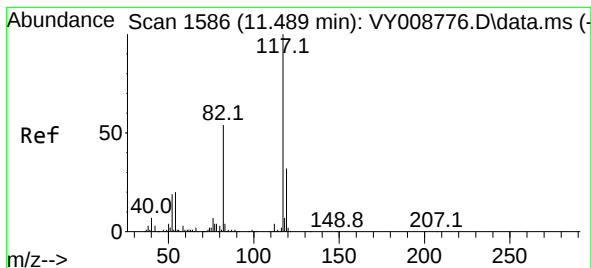
Tgt Ion: 98 Resp: 300125
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.104 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

Tgt Ion: 95 Resp: 88149
Ion Ratio Lower Upper
95 100
174 91.8 0.0 177.0
176 87.7 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008865.D

Acq: 19 May 2022 14:14

Instrument :

MSVOA_Y

ClientSampleId :

SB06

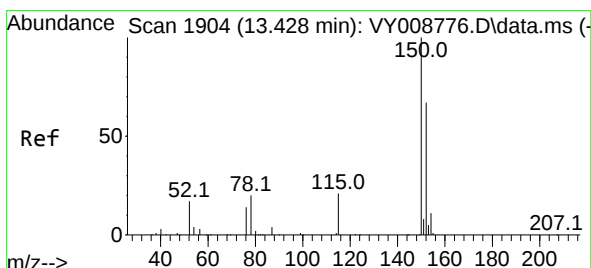
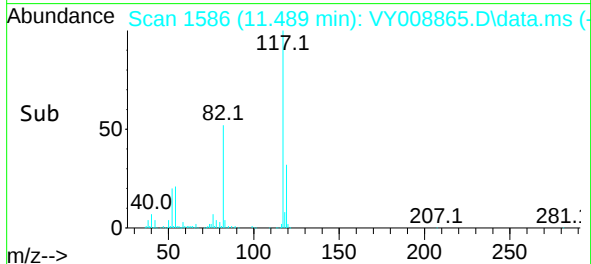
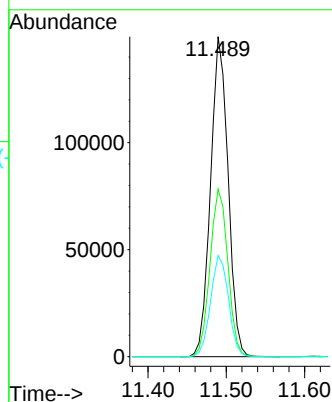
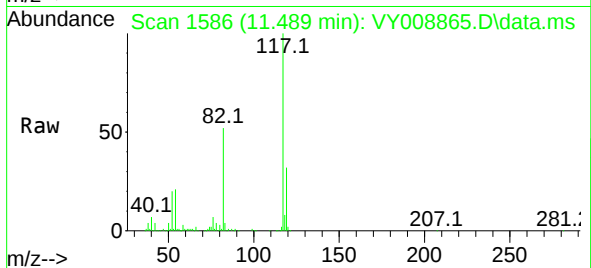
Tgt Ion:117 Resp: 232122

Ion Ratio Lower Upper

117 100

82 52.3 43.0 64.4

119 31.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008865.D

Acq: 19 May 2022 14:14

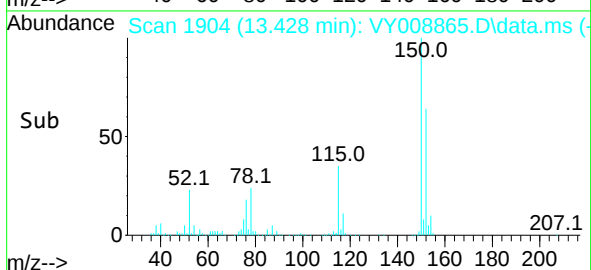
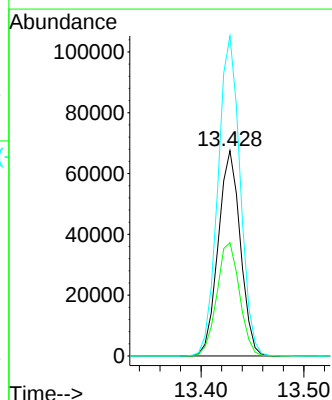
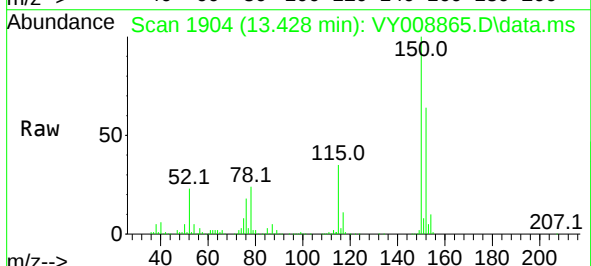
Tgt Ion:152 Resp: 100911

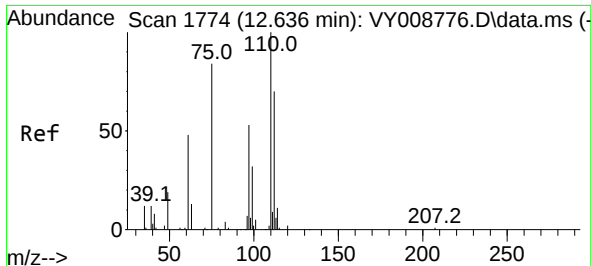
Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.7

150 156.1 0.0 347.6

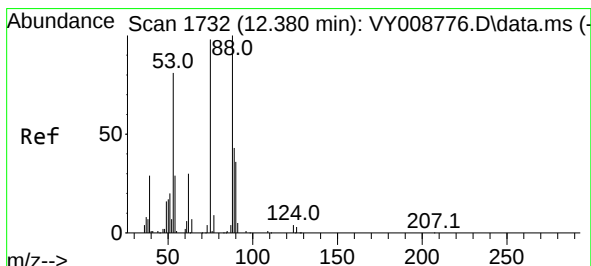
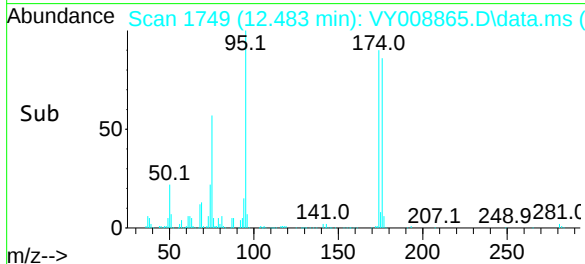
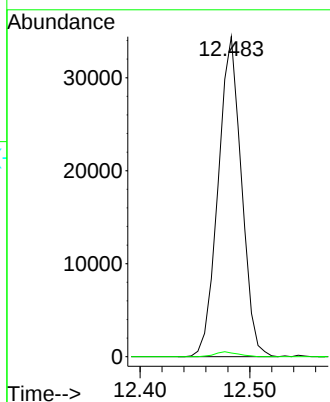
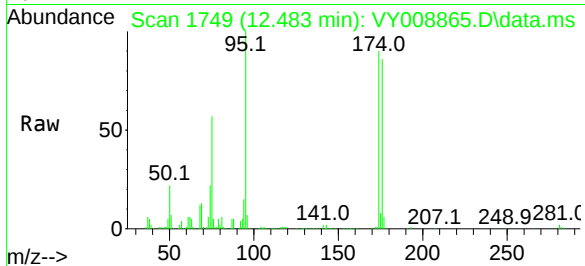




#76
1,2,3-Trichloropropane
Concen: 43.719 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

Instrument :
MSVOA_Y
ClientSampleId :
SB06

Tgt Ion: 75 Resp: 50962
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.626 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008865.D
Acq: 19 May 2022 14:14

Tgt Ion: 75 Resp: 50962
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

