

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081622\
 Data File : VY010050.D
 Acq On : 16 Aug 2022 17:57
 Operator : KP/MD
 Sample : N4197-05RE
 Misc : 6.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-203-IDWSO-20220811-4

Quant Time: Aug 16 18:09:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 07:01:08 2022
 Response via : Initial Calibration

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

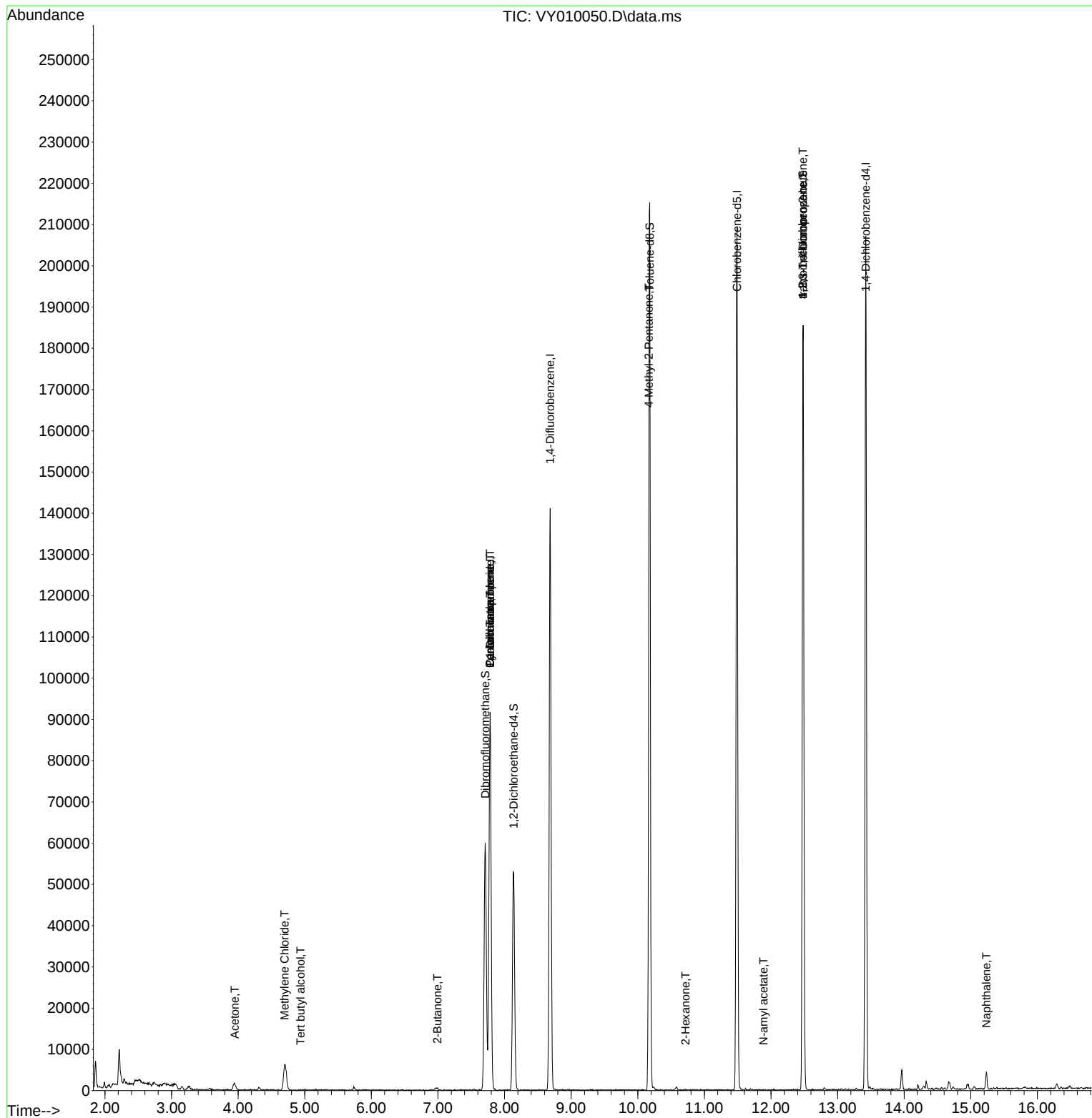
Internal Standards						
1) Pentafluorobenzene	7.783	168	74233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	121260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	116224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	53718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	43788	58.995	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.000%			
35) Dibromofluoromethane	7.710	113	40475	51.471	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.940%			
50) Toluene-d8	10.179	98	140561	48.313	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.620%			
62) 4-Bromofluorobenzene	12.477	95	45067	44.102	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.200%			
Target Compounds						Qvalue
5) Bromomethane	2.662	94	191	Below Cal		83
11) Tert butyl alcohol	4.936	59	20	5.760 ug/l #		74
16) Acetone	3.948	43	2897	18.223 ug/l #		77
20) Methylene Chloride	4.698	84	4938	3.585 ug/l		95
25) 2-Butanone	6.990	43	263	1.209 ug/l #		48
31) Cyclohexane	7.783	56	1500	1.430 ug/l #		50
36) 1,1-Dichloropropene	7.783	75	5146	4.698 ug/l #		50
38) Carbon Tetrachloride	7.783	117	7015	5.207 ug/l #		16
51) 4-Methyl-2-Pentanone	10.167	43	587	1.016 ug/l #		1
59) 2-Hexanone	10.715	43	81	24.320 ug/l #		26
74) N-amyl acetate	11.886	43	19	4.701 ug/l #		44
76) 1,2,3-Trichloropropane	12.477	75	24520	48.155 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.477	75	24520	108.825 ug/l #		12
95) Naphthalene	15.233	128	3630	6.021 ug/l #		94

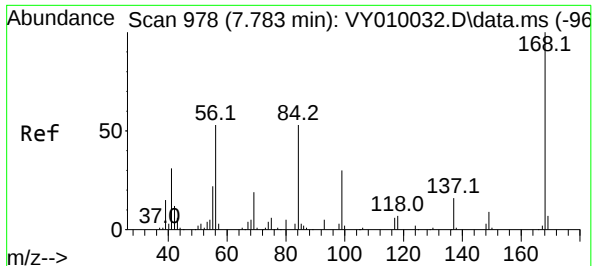
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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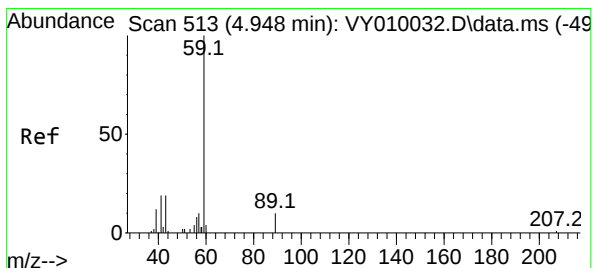
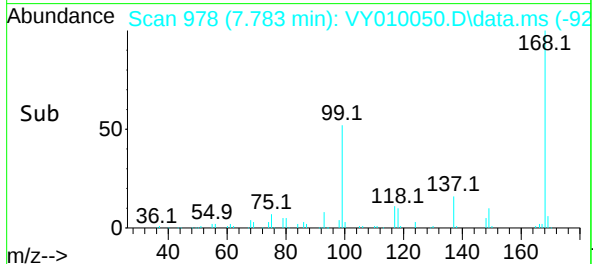
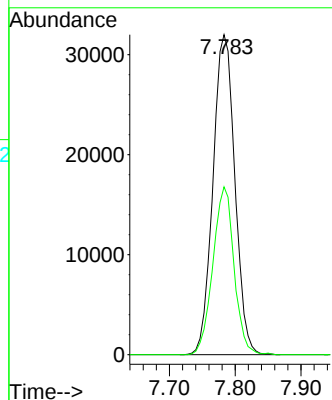
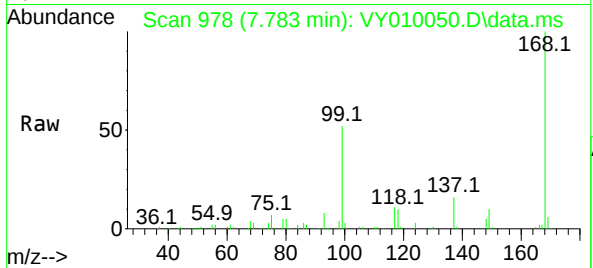




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010050.D
Acq: 16 Aug 2022 17:57

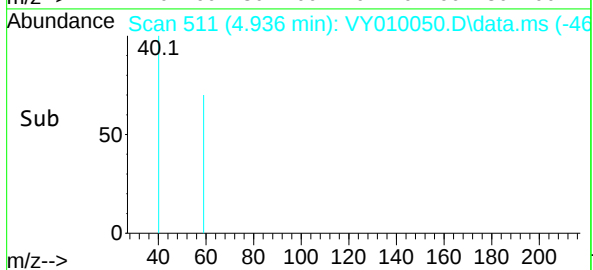
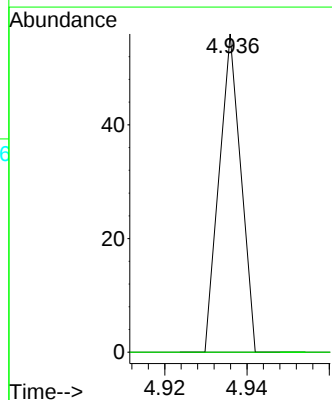
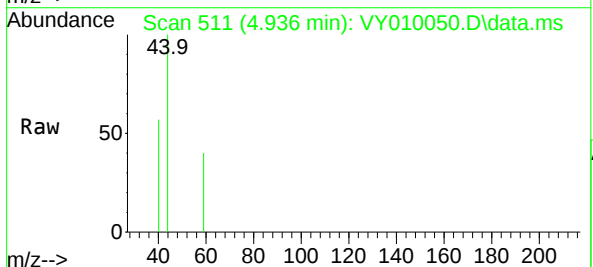
Instrument :
MSVOA_Y
ClientSampleId :
TT-203-IDWSO-20220811-4

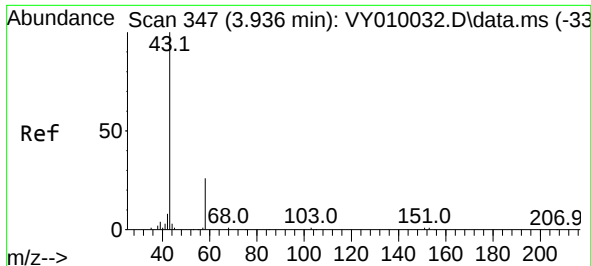
Tgt Ion:168 Resp: 74233
Ion Ratio Lower Upper
168 100
99 52.4 37.7 56.5



#11
Tert butyl alcohol
Concen: 5.760 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010050.D
Acq: 16 Aug 2022 17:57

Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 18.223 ug/l

RT: 3.948 min Scan# 347

Delta R.T. 0.012 min

Lab File: VY010050.D

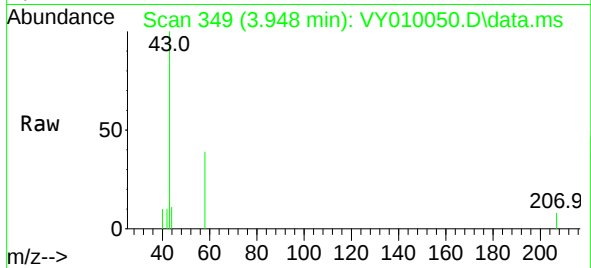
Acq: 16 Aug 2022 17:57

Instrument :

MSVOA_Y

ClientSampleId :

TT-203-IDWSO-20220811-4

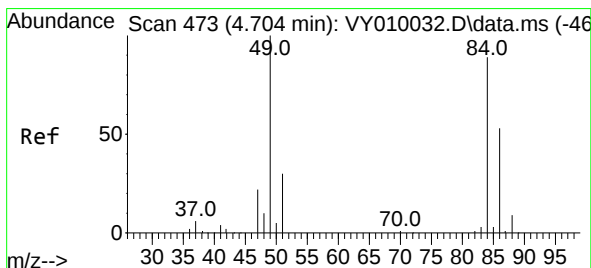
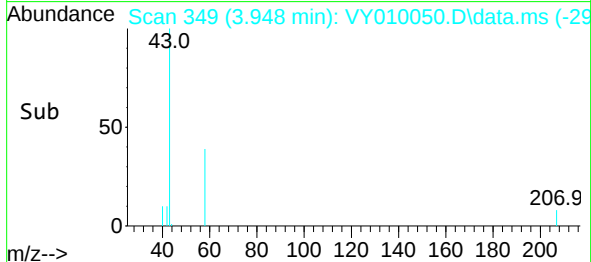
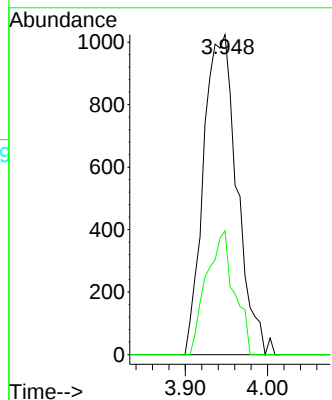


Tgt Ion: 43 Resp: 2897

Ion Ratio Lower Upper

43 100

58 38.7 21.4 32.0#



#20

Methylene Chloride

Concen: 3.585 ug/l

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY010050.D

Acq: 16 Aug 2022 17:57

Tgt Ion: 84 Resp: 4938

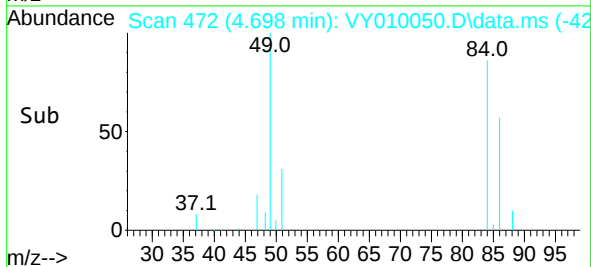
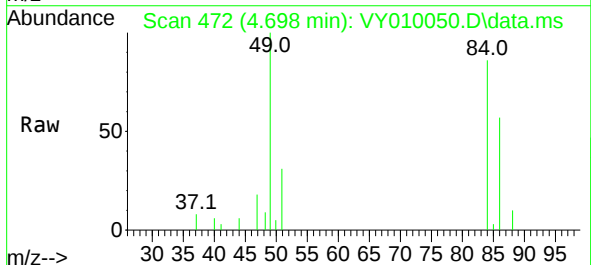
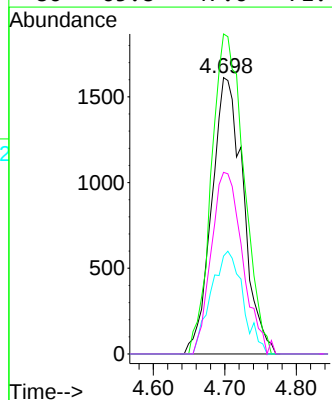
Ion Ratio Lower Upper

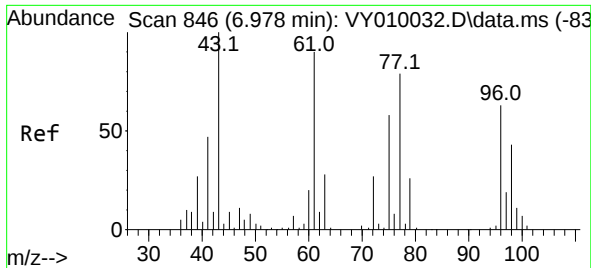
84 100

49 115.8 89.5 134.3

51 35.4 26.8 40.2

86 65.8 47.6 71.4

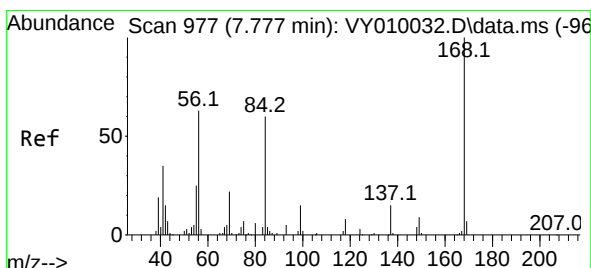
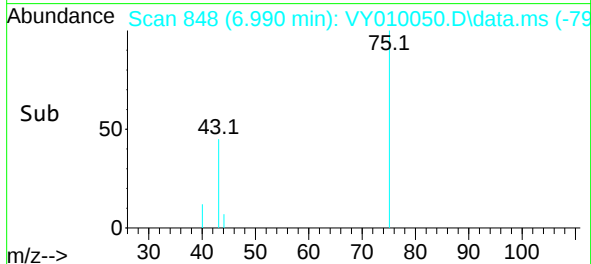
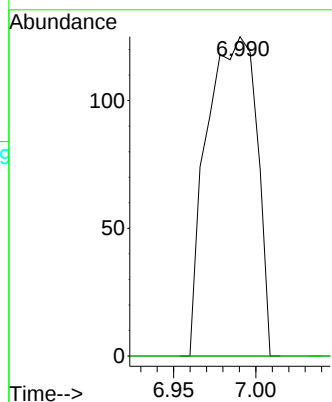
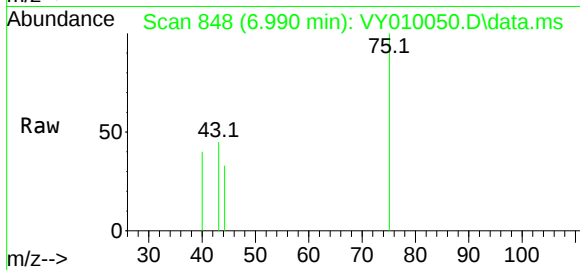




#25
2-Butanone
Concen: 1.209 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY010050.D
Acq: 16 Aug 2022 17:57

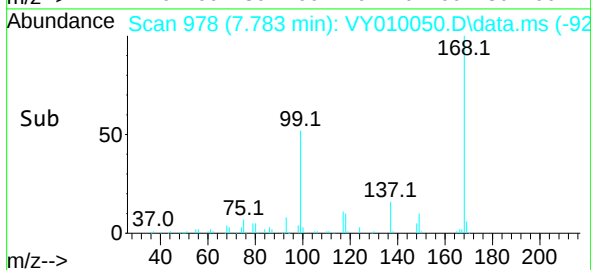
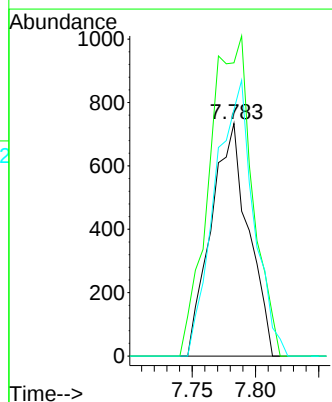
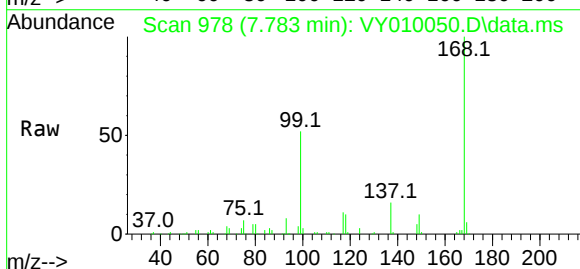
Instrument :
MSVOA_Y
ClientSampleId :
TT-203-IDWSO-20220811-4

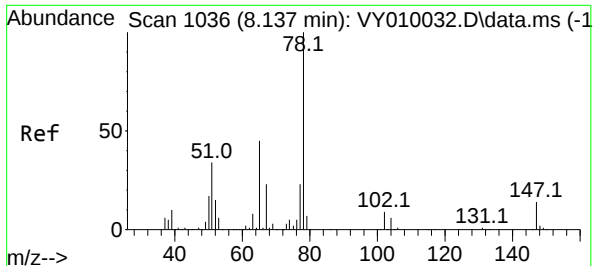
Tgt Ion: 43 Resp: 263
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.430 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010050.D
Acq: 16 Aug 2022 17:57

Tgt Ion: 56 Resp: 1500
Ion Ratio Lower Upper
56 100
69 126.0 28.6 43.0#
84 105.9 76.0 114.0





#33

1,2-Dichloroethane-d4

Concen: 58.995 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY010050.D

Acq: 16 Aug 2022 17:57

Instrument :

MSVOA_Y

ClientSampleId :

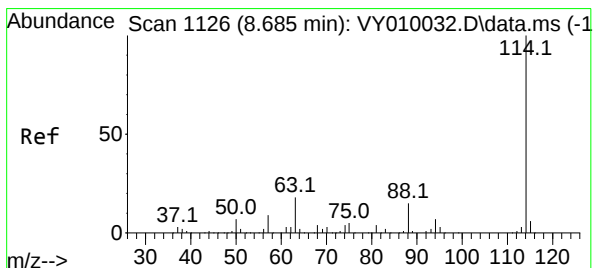
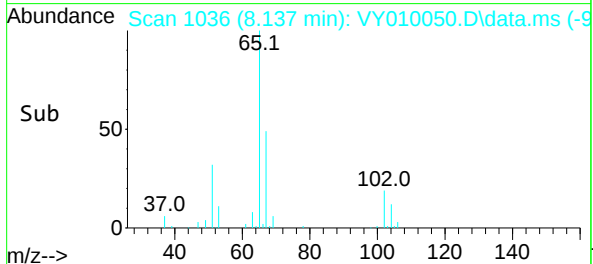
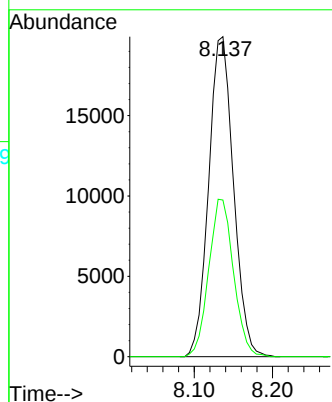
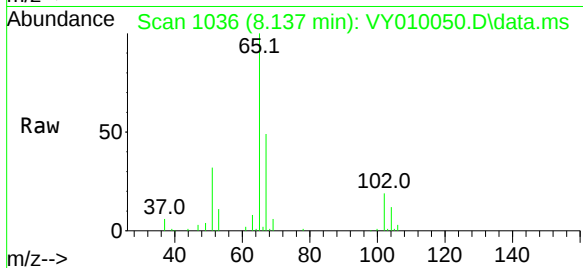
TT-203-IDWSO-20220811-4

Tgt Ion: 65 Resp: 43788

Ion Ratio Lower Upper

65 100

67 49.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010050.D

Acq: 16 Aug 2022 17:57

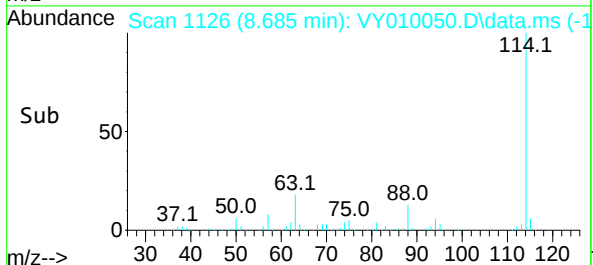
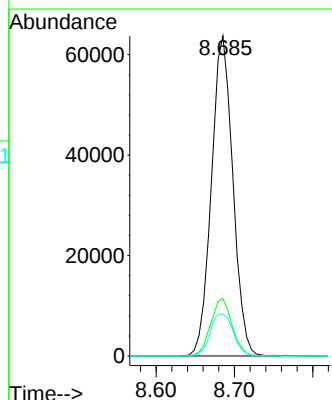
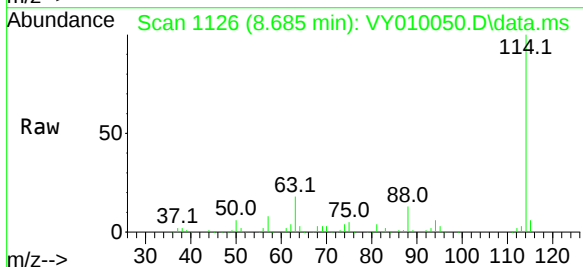
Tgt Ion:114 Resp: 121260

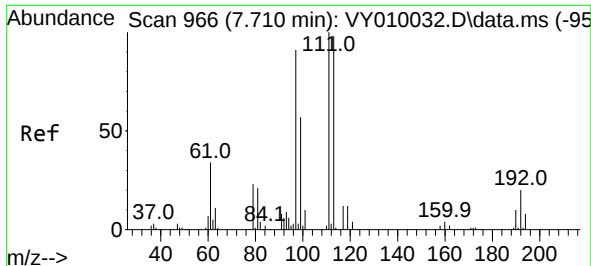
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

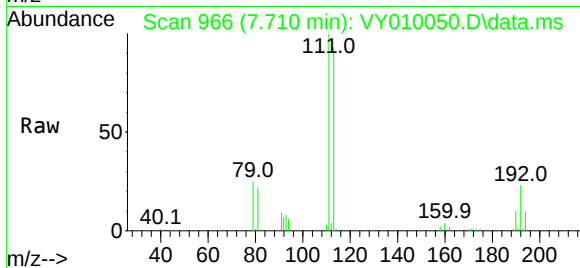
88 13.2 0.0 30.2



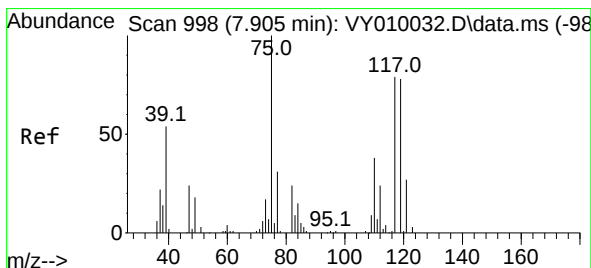
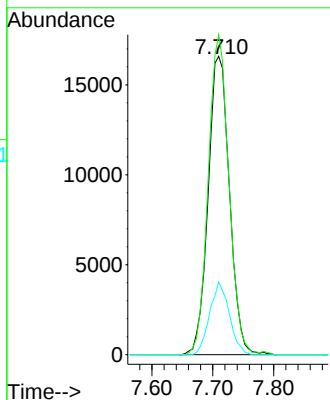
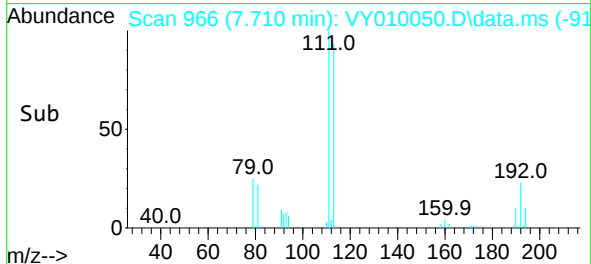


#35
Dibromofluoromethane
Concen: 51.471 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010050.D
Acq: 16 Aug 2022 17:57

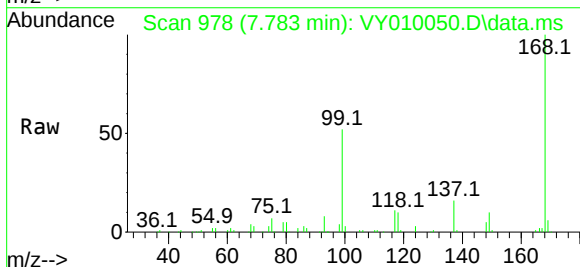
Instrument :
MSVOA_Y
ClientSampleId :
TT-203-IDWSO-20220811-4



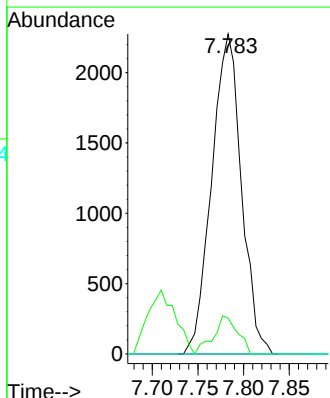
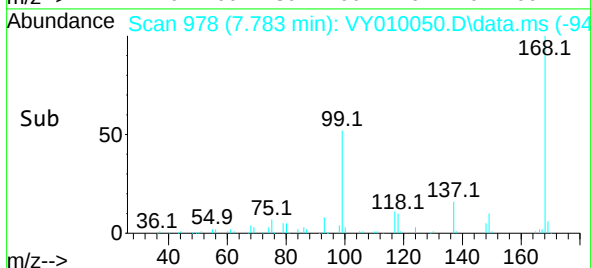
Tgt Ion:113 Resp: 40475
Ion Ratio Lower Upper
113 100
111 103.4 82.7 124.1
192 22.4 17.2 25.8

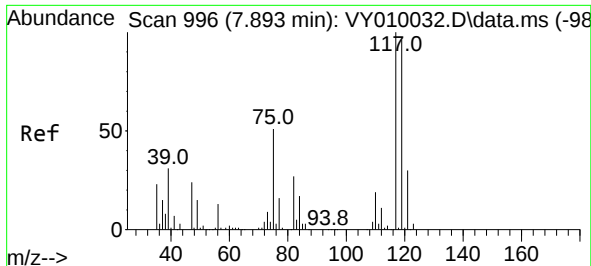


#36
1,1-Dichloropropene
Concen: 4.698 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY010050.D
Acq: 16 Aug 2022 17:57



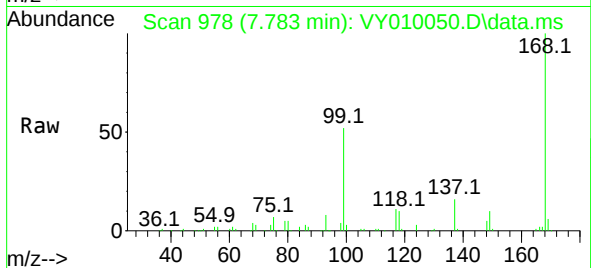
Tgt Ion: 75 Resp: 5146
Ion Ratio Lower Upper
75 100
110 9.7 18.4 55.4#
77 0.0 24.6 36.8#



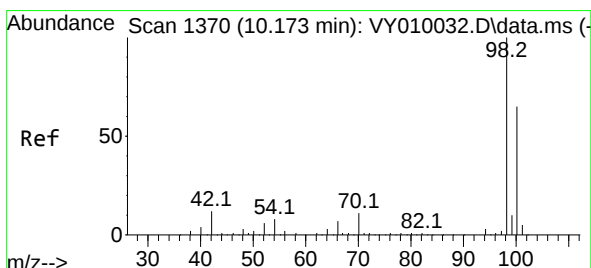
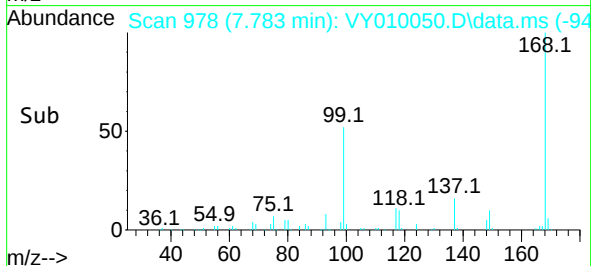
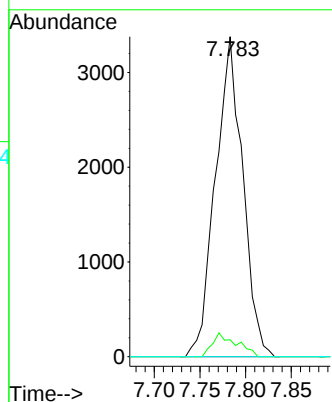


#38
Carbon Tetrachloride
Concen: 5.207 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010050.D
Acq: 16 Aug 2022 17:57

Instrument :
MSVOA_Y
ClientSampleId :
TT-203-IDWSO-20220811-4

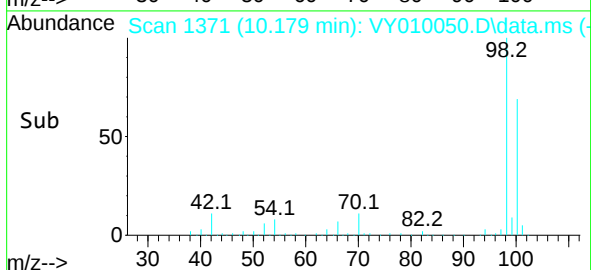
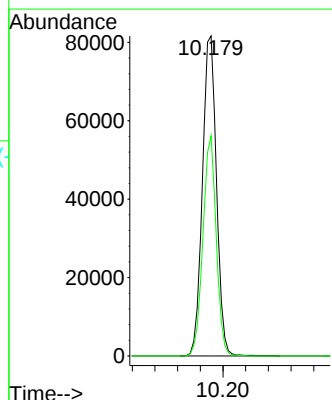
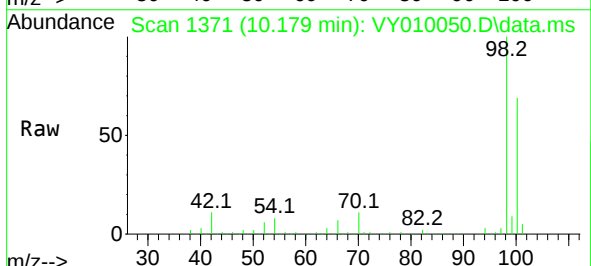


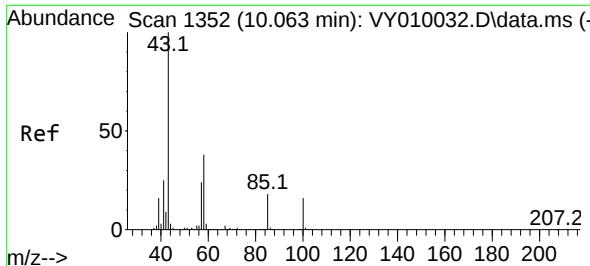
Tgt Ion:117 Resp: 7015
Ion Ratio Lower Upper
117 100
119 5.3 77.0 115.6#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.313 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010050.D
Acq: 16 Aug 2022 17:57

Tgt Ion: 98 Resp: 140561
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.016 ug/l

RT: 10.167 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY010050.D

Acq: 16 Aug 2022 17:57

Instrument :

MSVOA_Y

ClientSampleId :

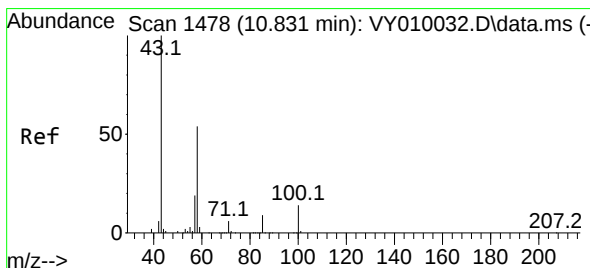
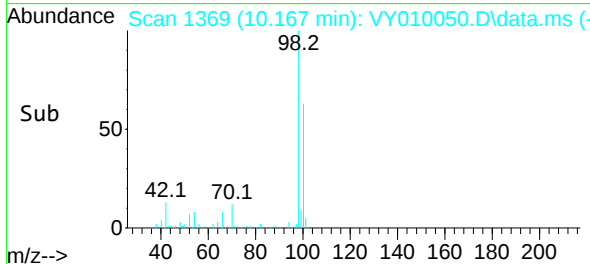
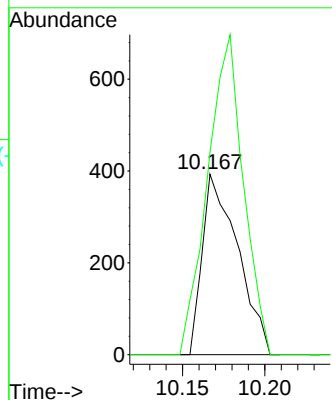
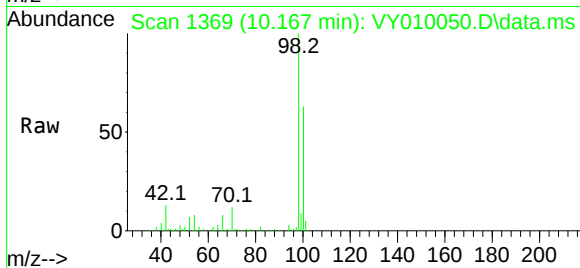
TT-203-IDWSO-20220811-4

Tgt Ion: 43 Resp: 587

Ion Ratio Lower Upper

43 100

58 179.7 29.8 44.8#



#59

2-Hexanone

Concen: 24.320 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. -0.116 min

Lab File: VY010050.D

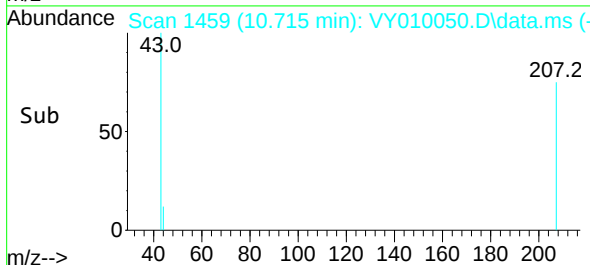
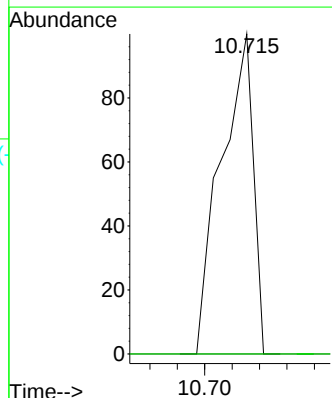
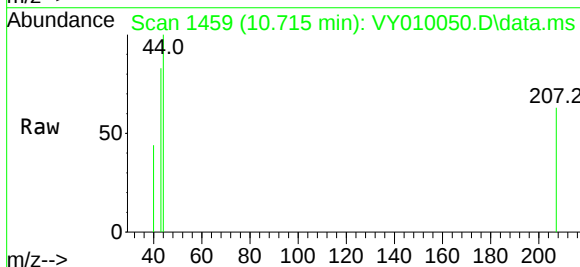
Acq: 16 Aug 2022 17:57

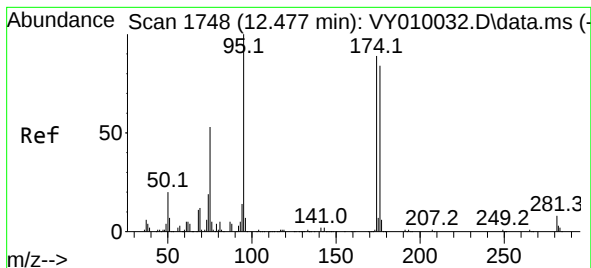
Tgt Ion: 43 Resp: 81

Ion Ratio Lower Upper

43 100

58 0.0 26.3 78.9#





#62

4-Bromofluorobenzene

Concen: 44.102 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010050.D

Acq: 16 Aug 2022 17:57

Instrument :

MSVOA_Y

ClientSampleId :

TT-203-IDWSO-20220811-4

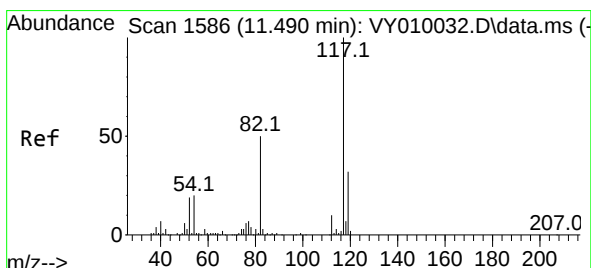
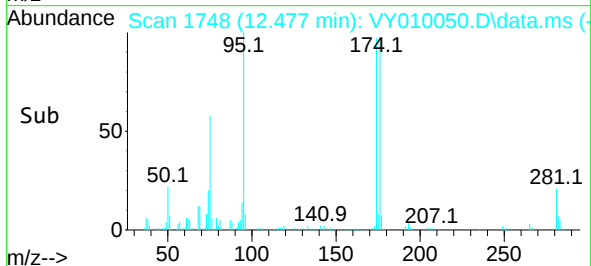
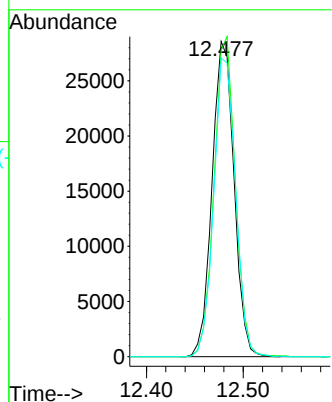
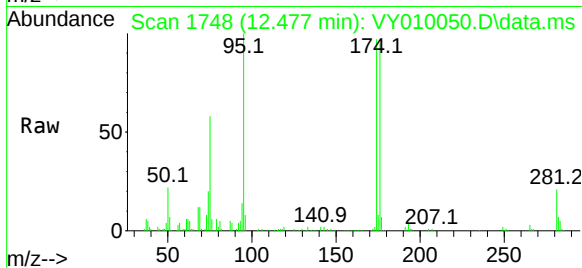
Tgt Ion: 95 Resp: 45067

Ion Ratio Lower Upper

95 100

174 98.4 0.0 184.2

176 94.1 0.0 178.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY010050.D

Acq: 16 Aug 2022 17:57

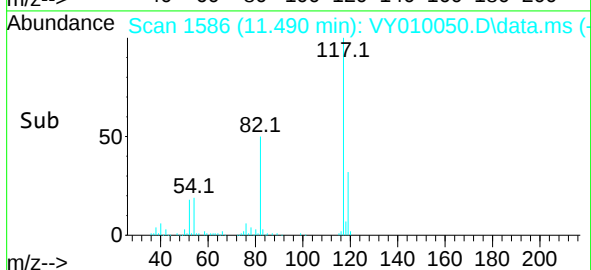
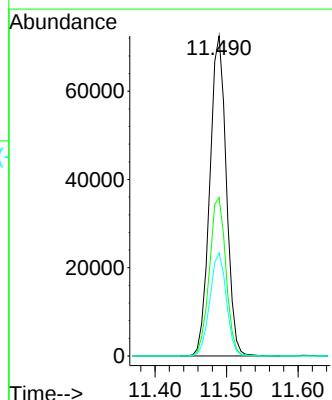
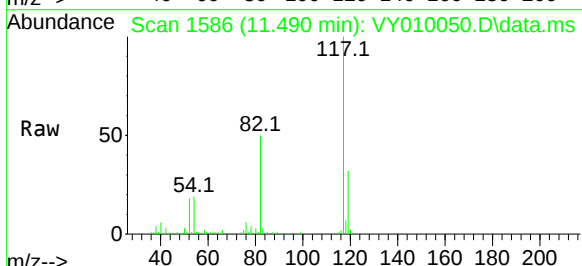
Tgt Ion: 117 Resp: 116224

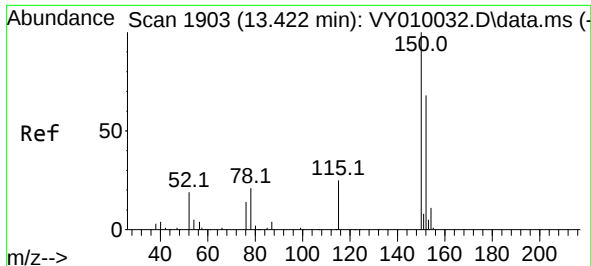
Ion Ratio Lower Upper

117 100

82 49.5 39.8 59.6

119 32.1 25.6 38.4

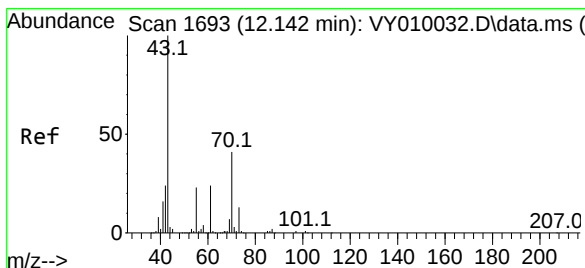
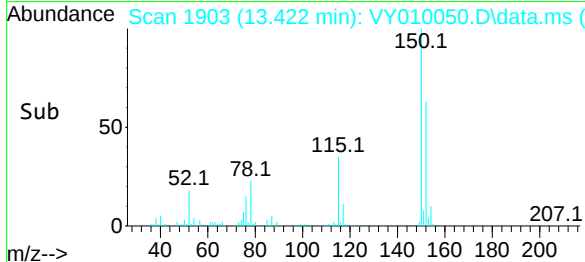
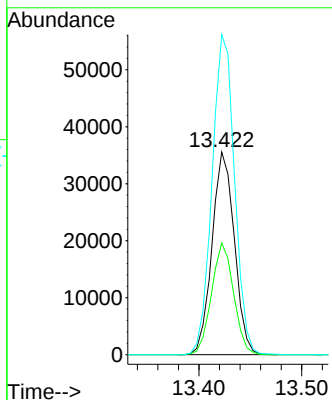
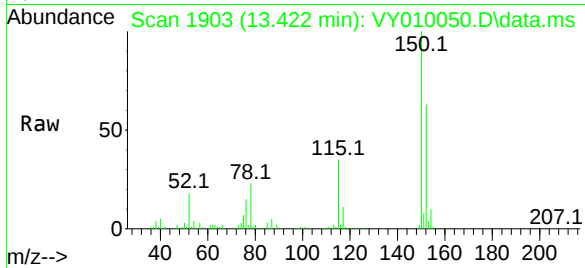




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010050.D
Acq: 16 Aug 2022 17:57

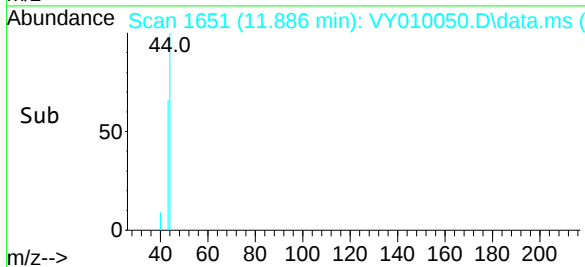
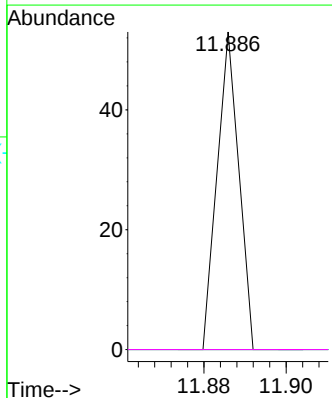
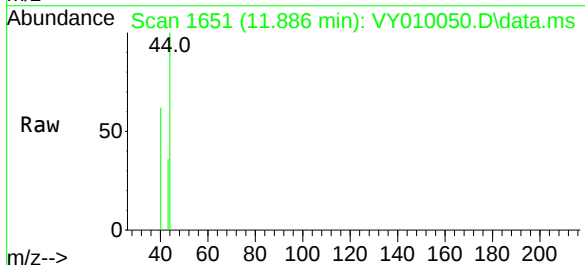
Instrument :
MSVOA_Y
ClientSampleId :
TT-203-IDWSO-20220811-4

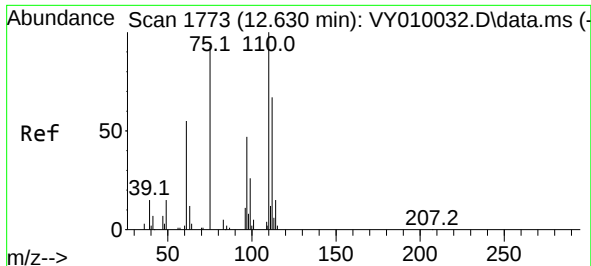
Tgt Ion:152 Resp: 53718
Ion Ratio Lower Upper
152 100
115 54.3 28.1 84.3
150 158.9 0.0 346.6



#74
N-ethyl acetate
Concen: 4.701 ug/l
RT: 11.886 min Scan# 1651
Delta R.T. -0.256 min
Lab File: VY010050.D
Acq: 16 Aug 2022 17:57

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 0.0 19.3 28.9#
61 0.0 19.0 28.4#

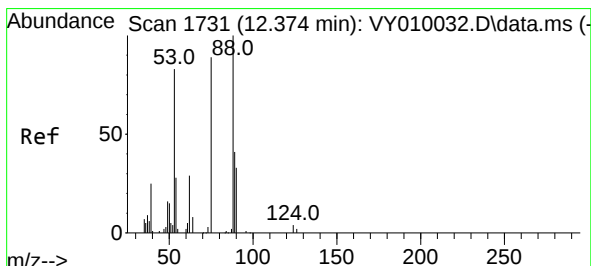
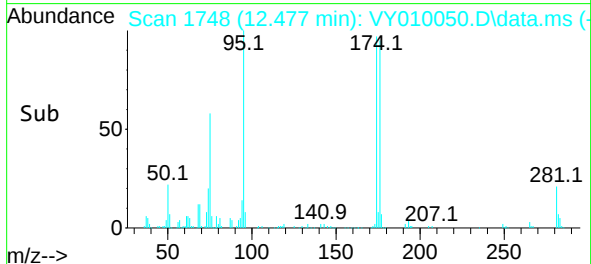
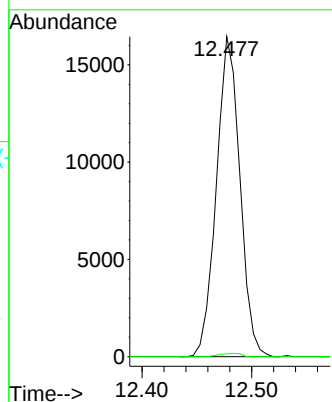
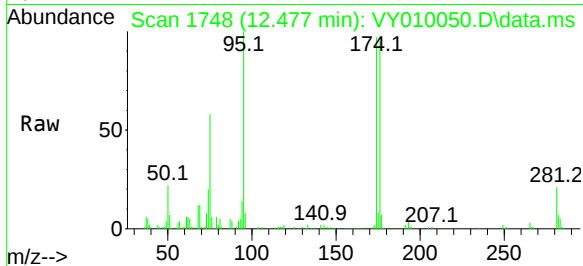




#76
1,2,3-Trichloropropane
Concen: 48.155 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010050.D
Acq: 16 Aug 2022 17:57

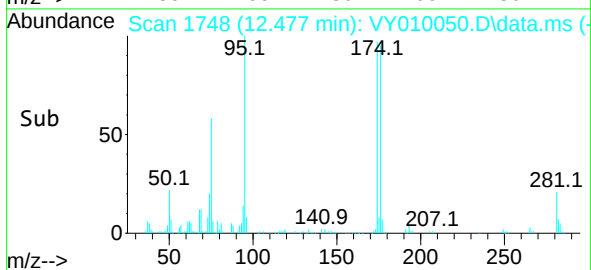
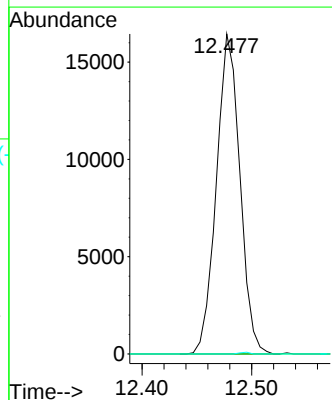
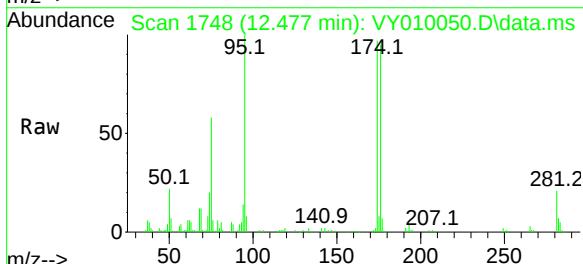
Instrument :
MSVOA_Y
ClientSampleId :
TT-203-IDWSO-20220811-4

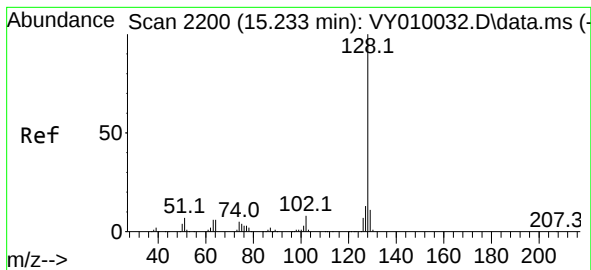
Tgt Ion: 75 Resp: 24520
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.825 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010050.D
Acq: 16 Aug 2022 17:57

Tgt Ion: 75 Resp: 24520
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.2 37.8 56.6#





#95

Naphthalene

Concen: 6.021 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY010050.D

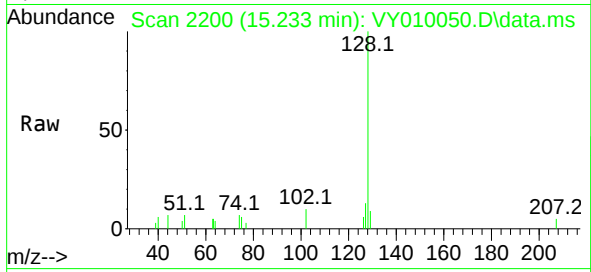
Acq: 16 Aug 2022 17:57

Instrument :

MSVOA_Y

ClientSampleId :

TT-203-IDWSO-20220811-4



Tgt Ion:	128	Resp:	3630
Ion	Ratio	Lower	Upper
128	100		
127	16.2	10.4	15.6#
129	12.3	8.6	13.0

