

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062322\
 Data File : VY009303.D
 Acq On : 23 Jun 2022 18:41
 Operator : KP/MD
 Sample : N3462-08
 Misc : 2.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-3-5-20220622

Quant Time: Jun 24 09:24:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 14:08:27 2022
 Response via : Initial Calibration

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

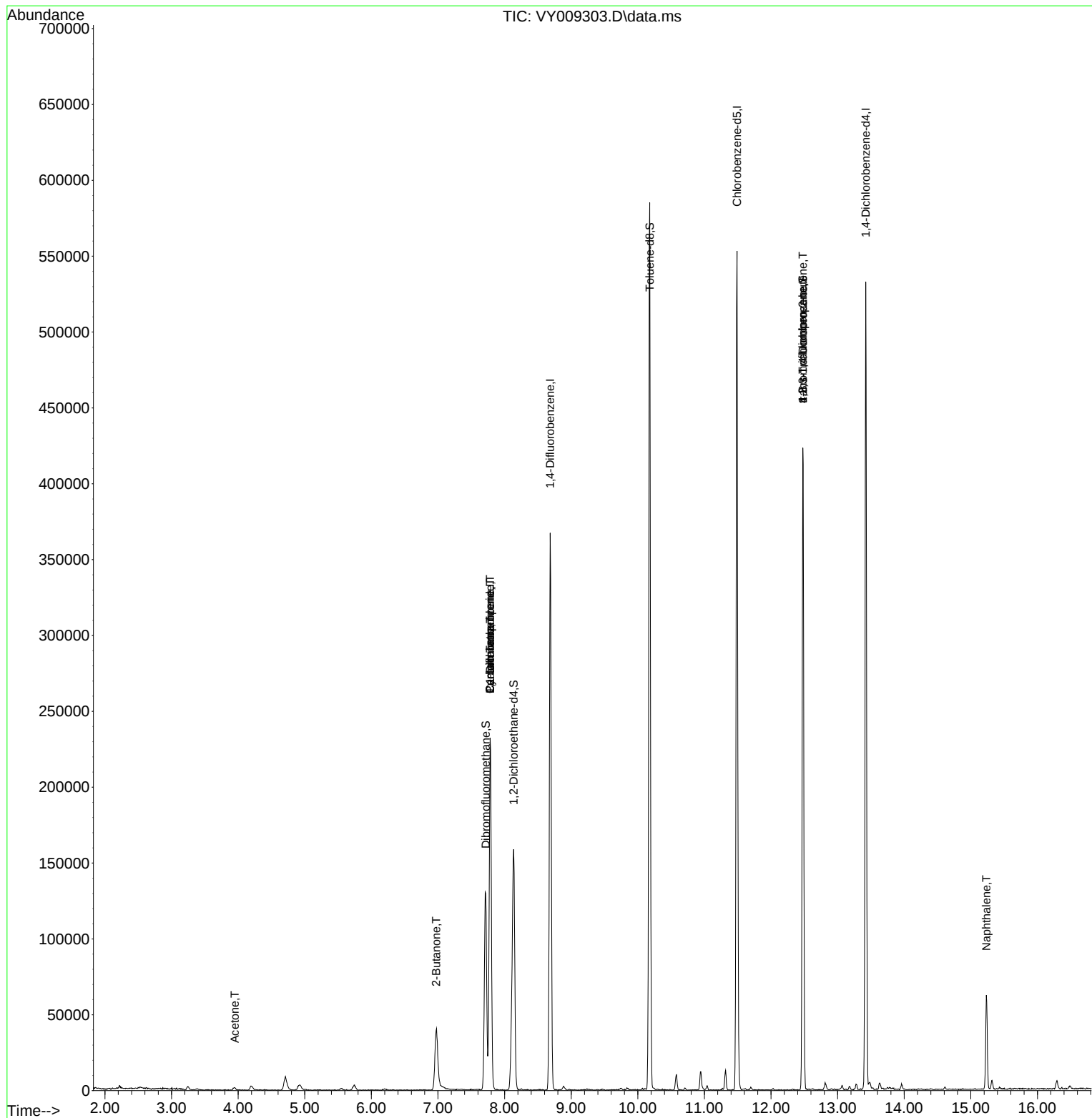
Internal Standards						
1) Pentafluorobenzene	7.783	168	180479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	309775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	295888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104288	52.614	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.220%	
35) Dibromofluoromethane	7.716	113	92326	46.021	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.040%	
50) Toluene-d8	10.179	98	375049	48.666	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.340%	
62) 4-Bromofluorobenzene	12.477	95	124897	46.121	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	3691	Below Cal	#	81
16) Acetone	3.948	43	2785	5.687	ug/l	91
18) Methyl Acetate	4.491	43	95	Below Cal	#	56
20) Methylene Chloride	4.704	84	5942	Below Cal		93
25) 2-Butanone	6.972	43	2693	3.405	ug/l #	80
31) Cyclohexane	7.783	56	4144	1.204	ug/l #	8
36) 1,1-Dichloropropene	7.783	75	14274	4.675	ug/l #	50
38) Carbon Tetrachloride	7.783	117	17549	5.528	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	64013	41.178	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64013	87.311	ug/l #	7
95) Naphthalene	15.233	128	50497	9.376	ug/l	99

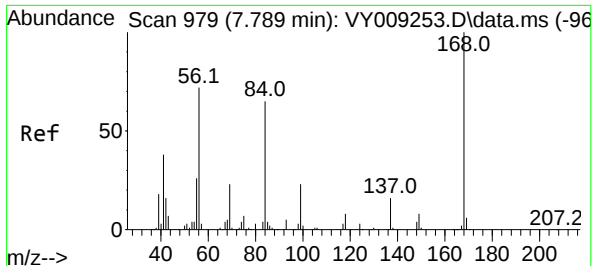
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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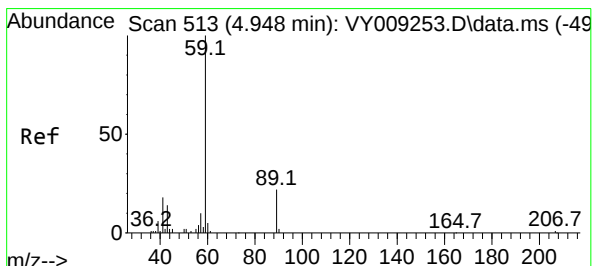
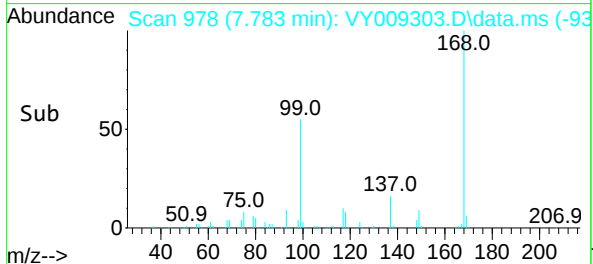
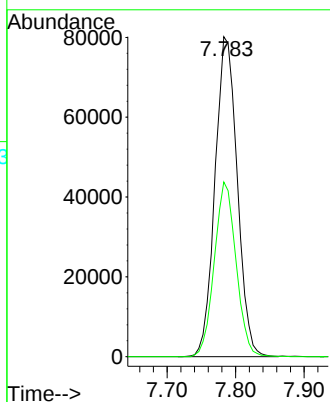
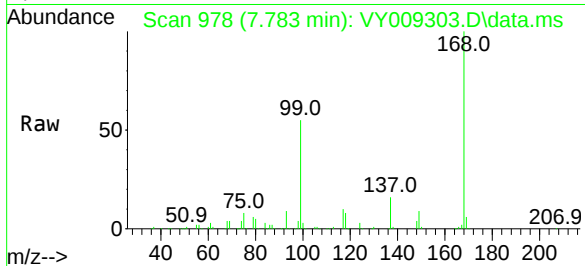




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

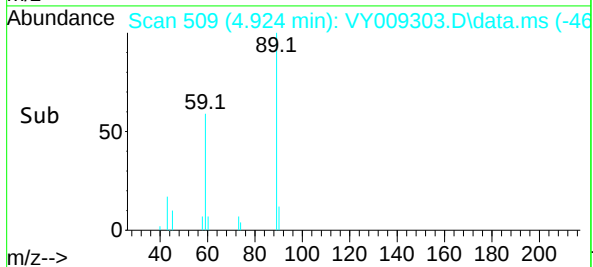
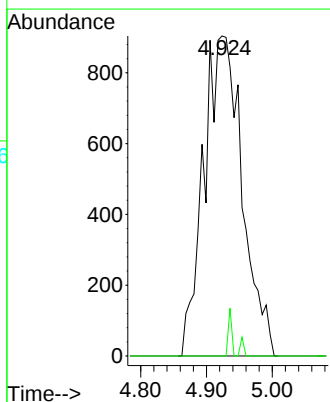
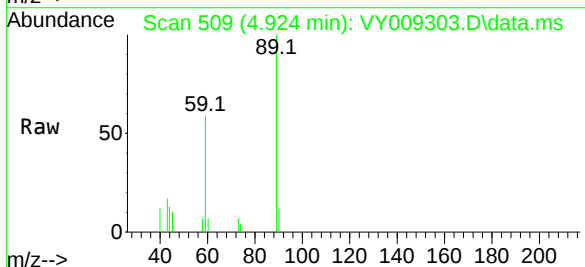
Instrument :
MSVOA_Y
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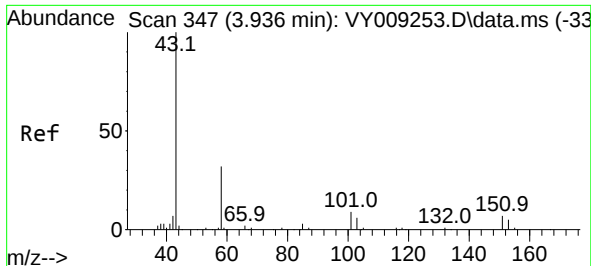
Tgt Ion:168 Resp: 180479
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

Tgt Ion: 59 Resp: 3691
Ion Ratio Lower Upper
59 100
57 1.3 6.4 9.6#

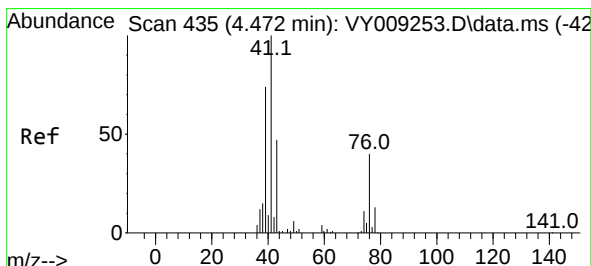
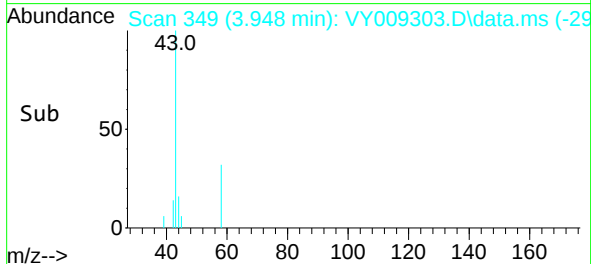
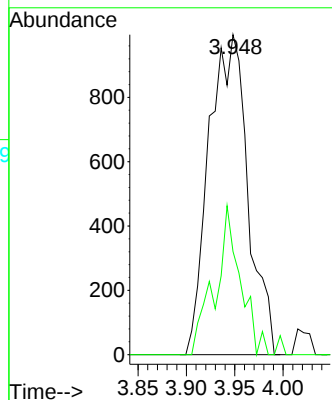
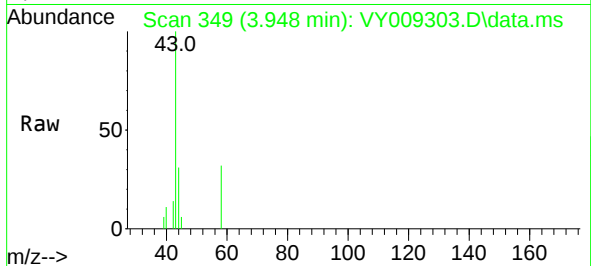




#16
Acetone
Concen: 5.687 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

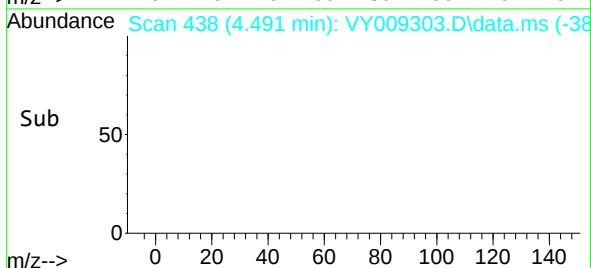
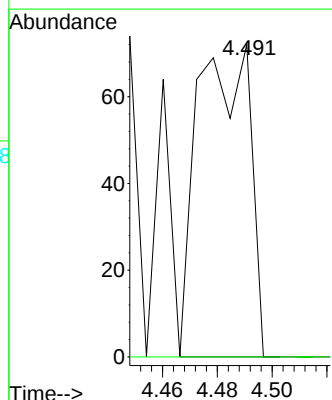
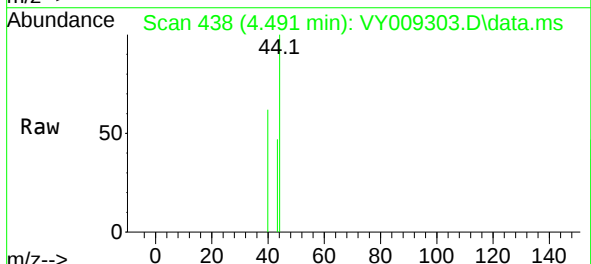
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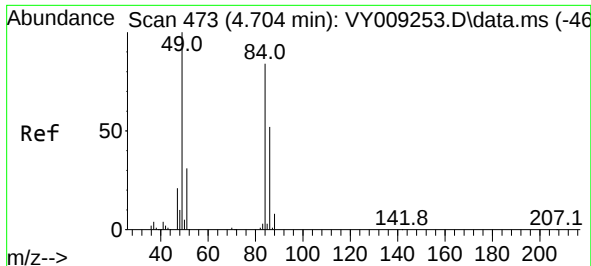
Tgt Ion: 43 Resp: 2785
Ion Ratio Lower Upper
43 100
58 32.3 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 438
Delta R.T. 0.019 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

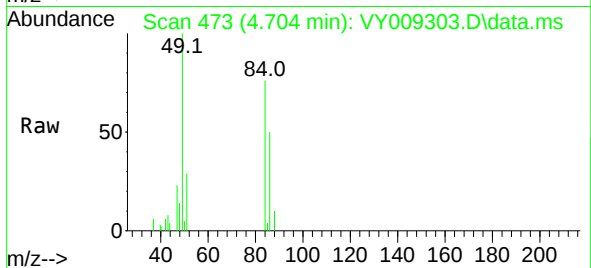
Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





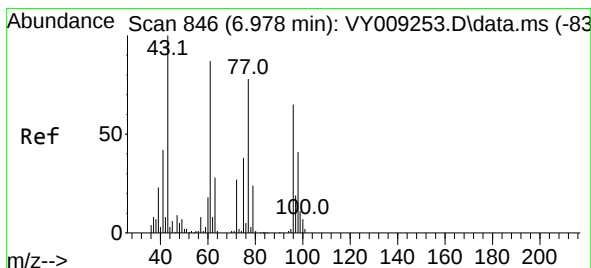
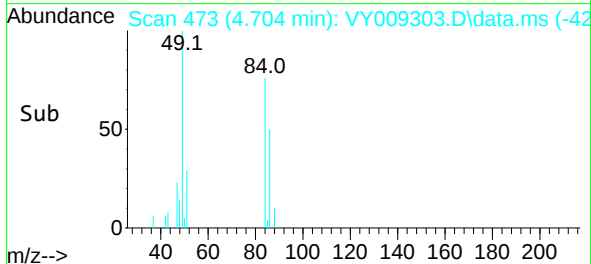
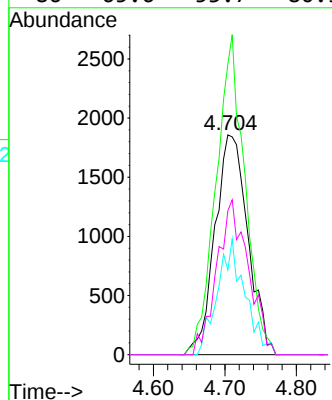
#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-3-5-20220622



Tgt Ion: 84 Resp: 5942

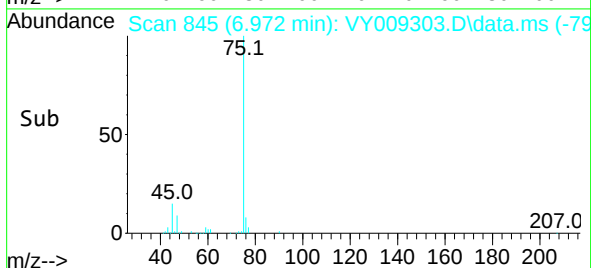
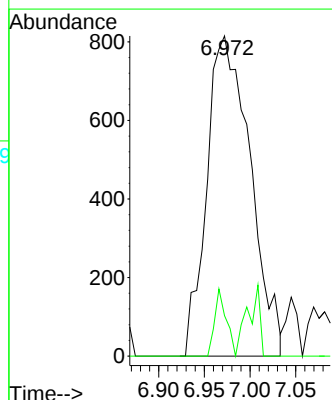
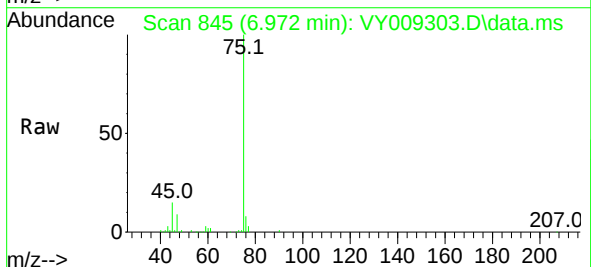
Ion	Ratio	Lower	Upper
84	100		
49	132.3	114.4	171.6
51	38.6	35.3	52.9
86	65.6	53.7	80.5

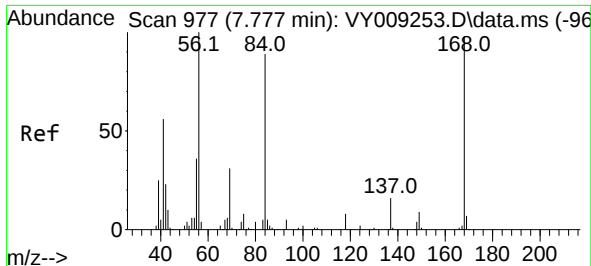


#25
2-Butanone
Concen: 3.405 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

Tgt Ion: 43 Resp: 2693

Ion	Ratio	Lower	Upper
43	100		
72	12.6	17.7	26.5

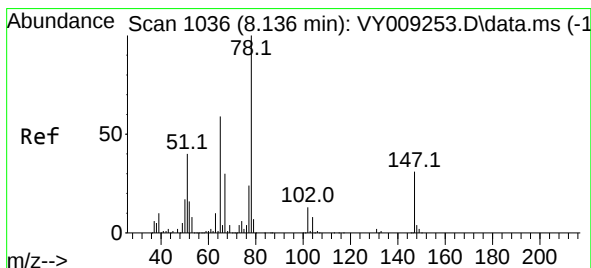
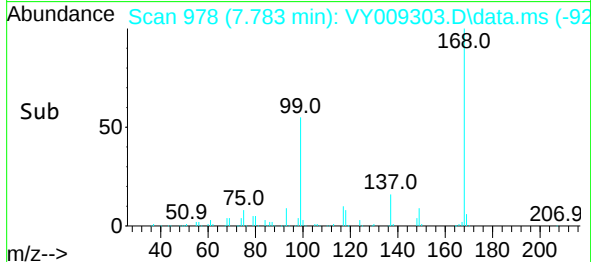
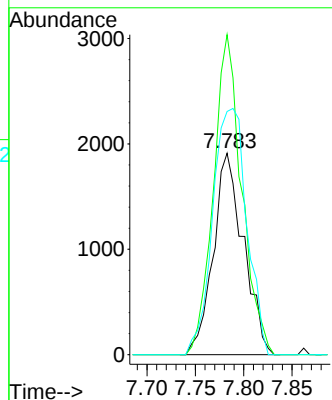
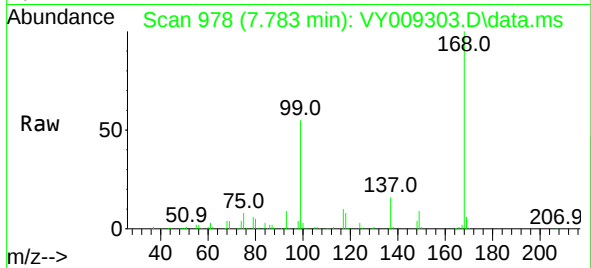




#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

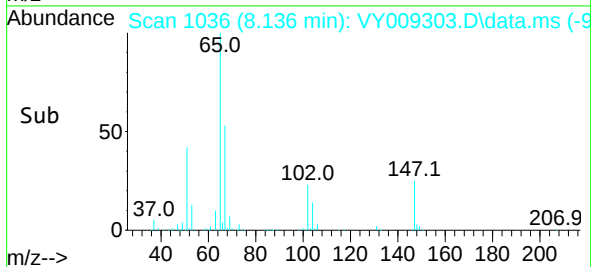
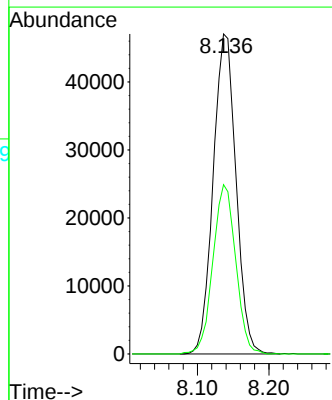
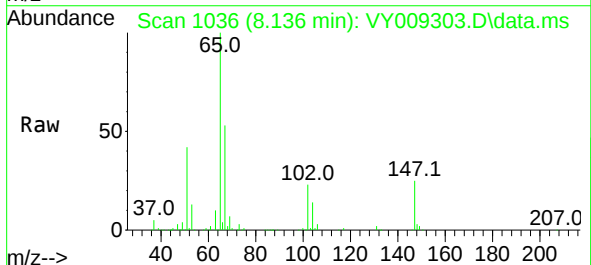
Instrument :
MSVOA_Y
ClientSampleId :
SB-2-3-5-20220622

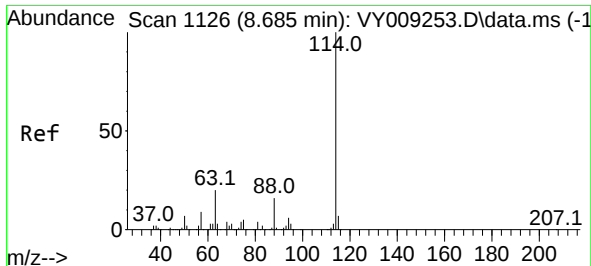
Tgt Ion: 56 Resp: 4144
Ion Ratio Lower Upper
56 100
69 158.9 26.7 40.1#
84 120.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.614 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

Tgt Ion: 65 Resp: 104288
Ion Ratio Lower Upper
65 100
67 52.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009303.D

Acq: 23 Jun 2022 18:41

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-3-5-20220622

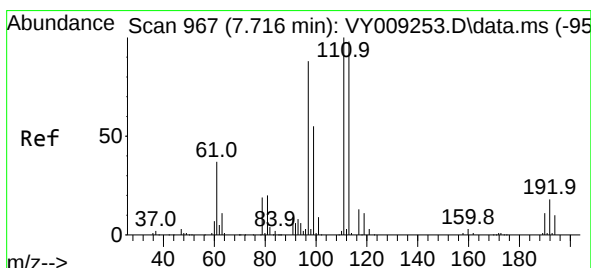
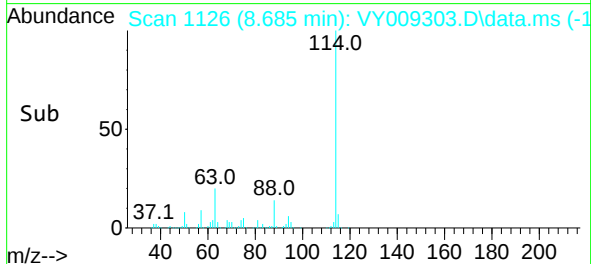
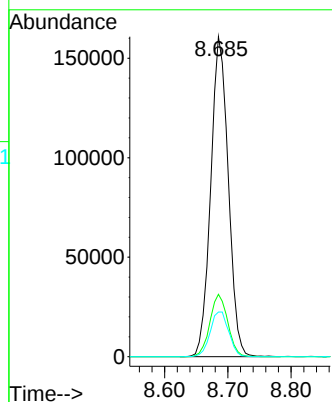
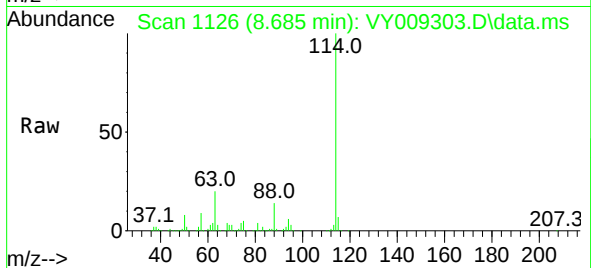
Tgt Ion:114 Resp: 309775

Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.021 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009303.D

Acq: 23 Jun 2022 18:41

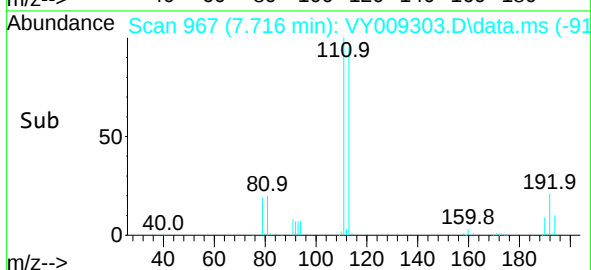
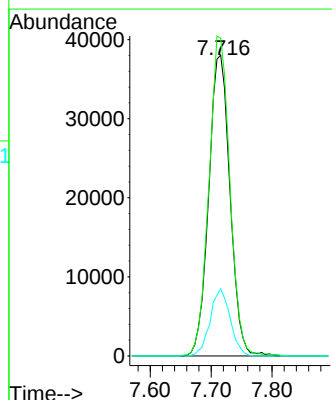
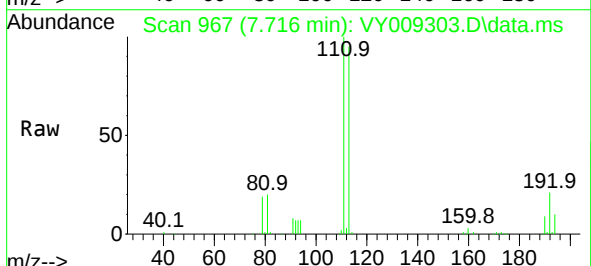
Tgt Ion:113 Resp: 92326

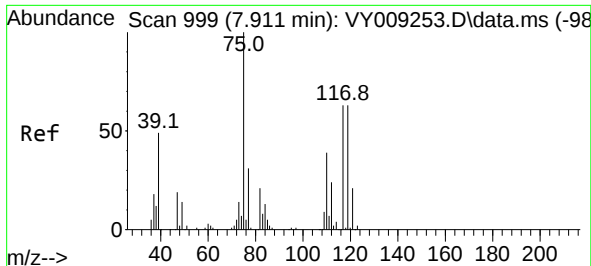
Ion Ratio Lower Upper

113 100

111 104.9 82.6 124.0

192 21.0 17.6 26.4

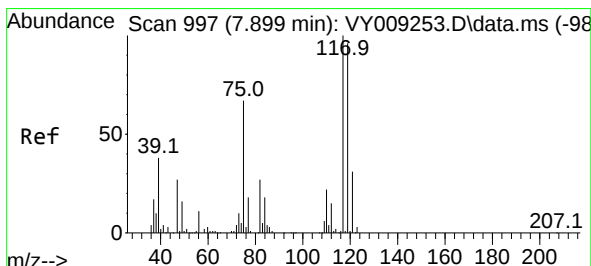
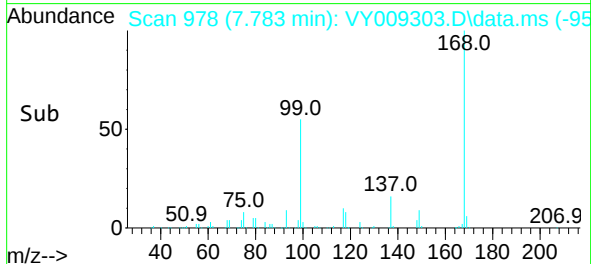
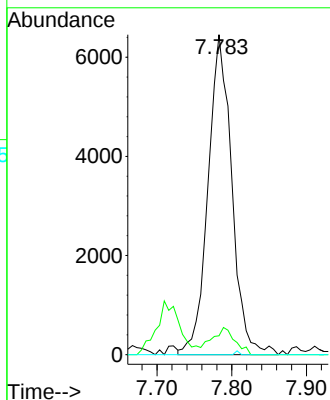
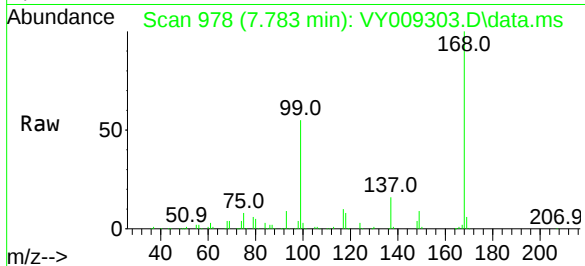




#36
1,1-Dichloropropene
Concen: 4.675 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

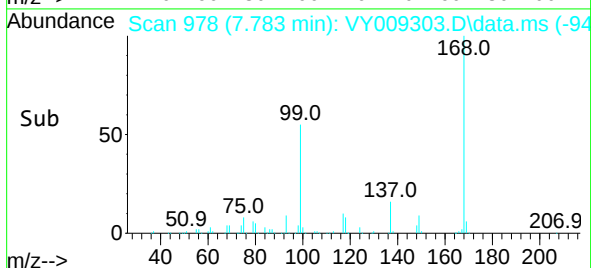
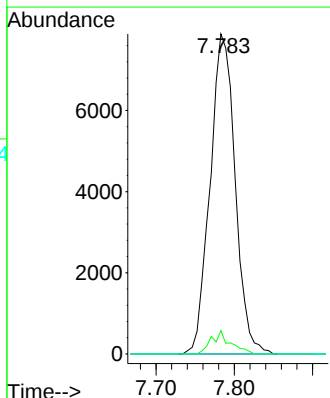
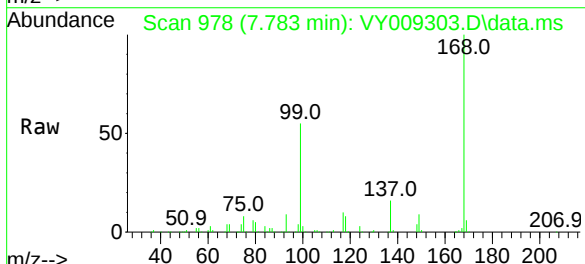
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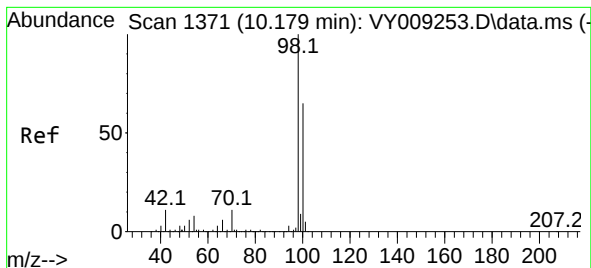
Tgt Ion: 75 Resp: 14274
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.528 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

Tgt Ion: 117 Resp: 17549
Ion Ratio Lower Upper
117 100
119 7.3 77.9 116.9#
121 0.0 24.8 37.2#

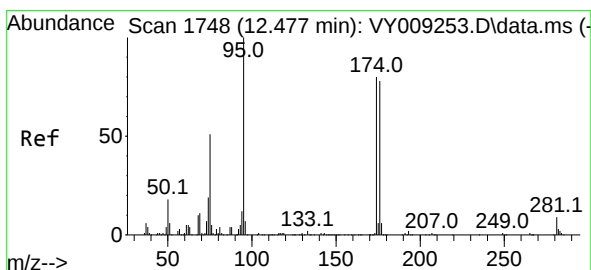
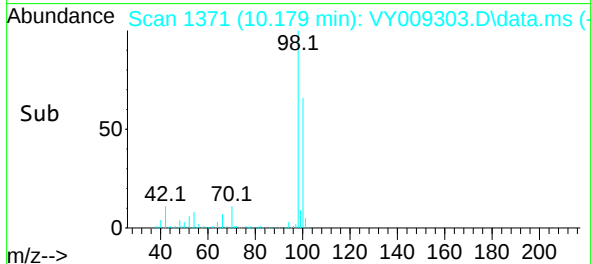
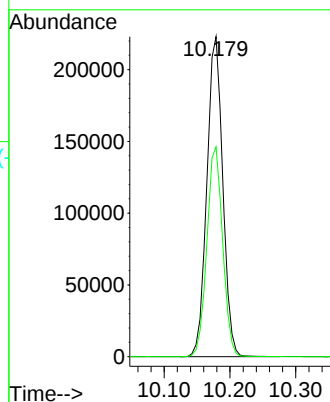
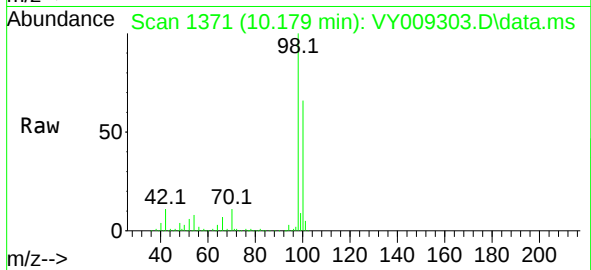




#50
Toluene-d8
Concen: 48.666 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

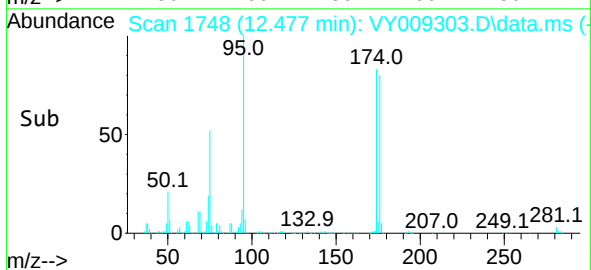
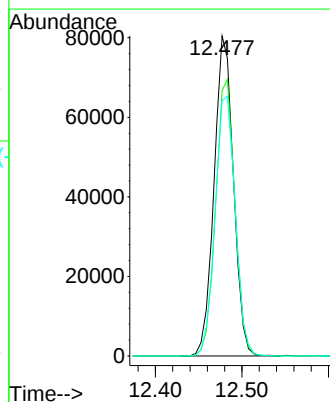
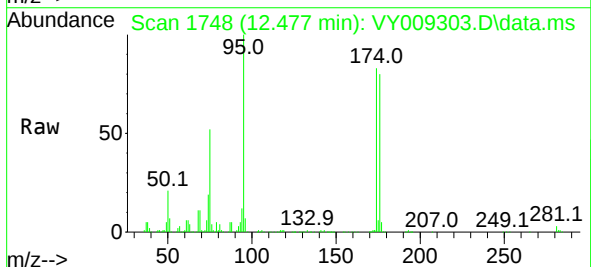
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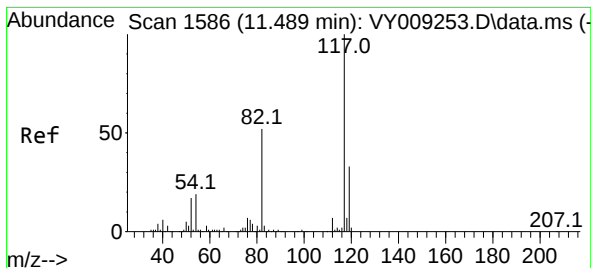
Tgt Ion: 98 Resp: 375049
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.121 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

Tgt Ion: 95 Resp: 124897
Ion Ratio Lower Upper
95 100
174 86.6 0.0 177.0
176 84.1 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: VY009303.D

Acq: 23 Jun 2022 18:41

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-3-5-20220622

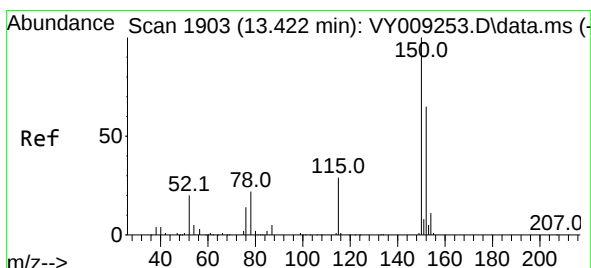
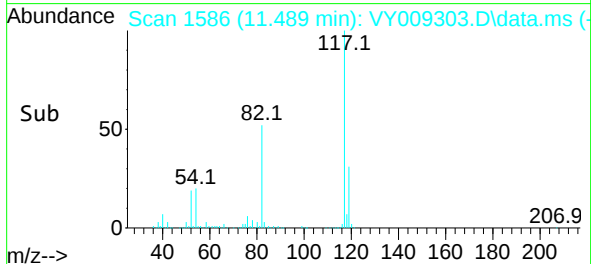
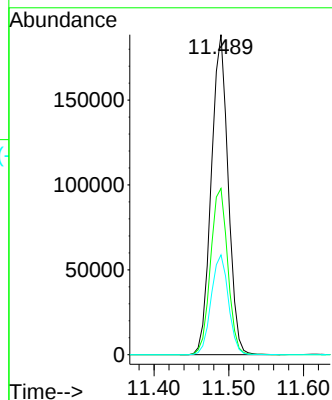
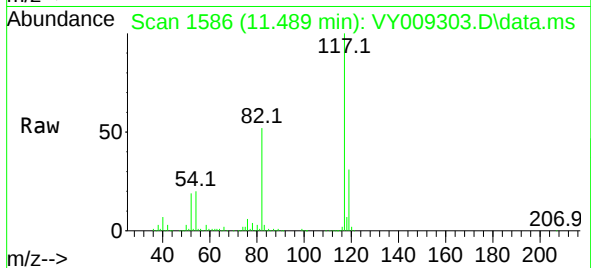
Tgt Ion:117 Resp: 295888

Ion Ratio Lower Upper

117 100

82 52.0 43.0 64.4

119 31.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009303.D

Acq: 23 Jun 2022 18:41

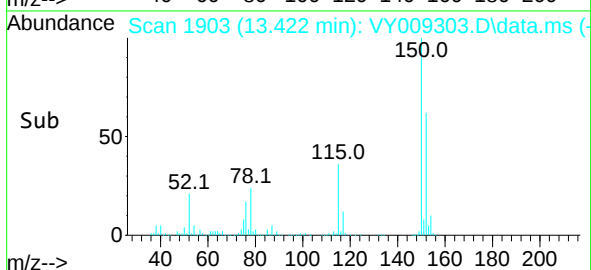
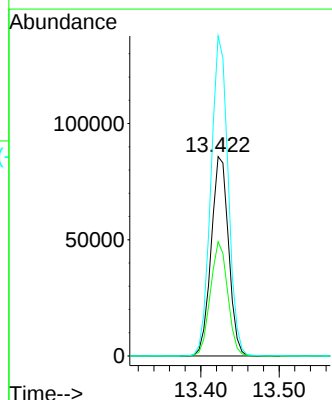
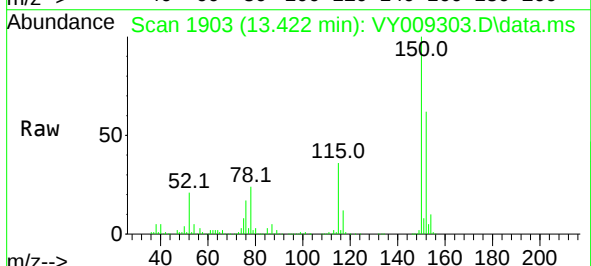
Tgt Ion:152 Resp: 132594

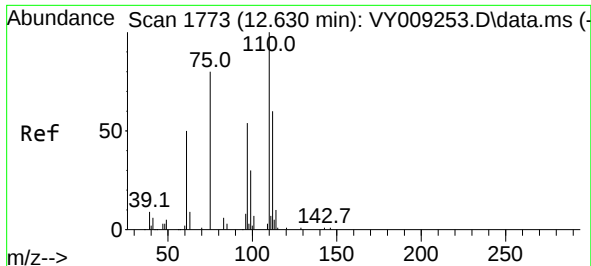
Ion Ratio Lower Upper

152 100

115 56.6 28.2 84.7

150 158.3 0.0 347.6

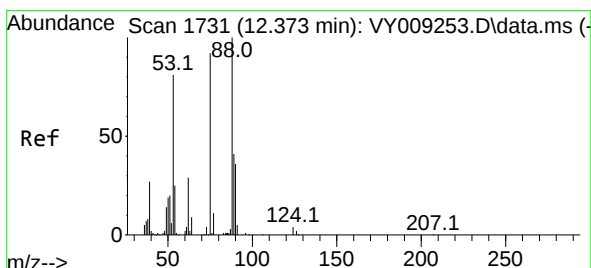
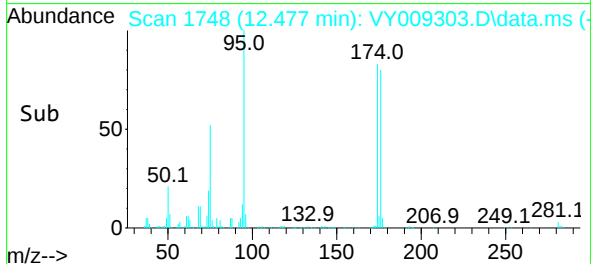
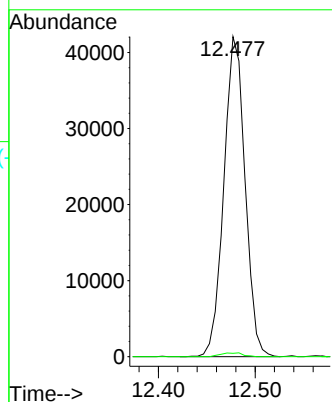
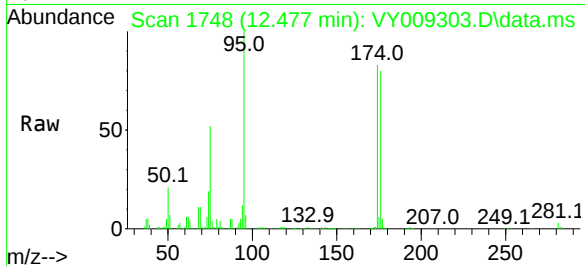




#76
1,2,3-Trichloropropane
Concen: 41.178 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

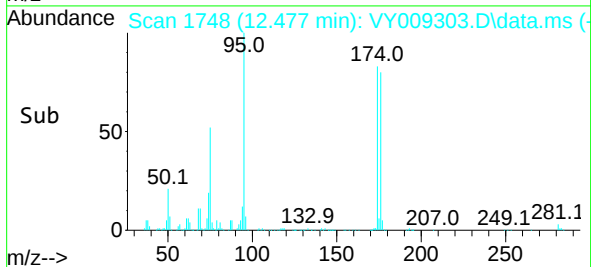
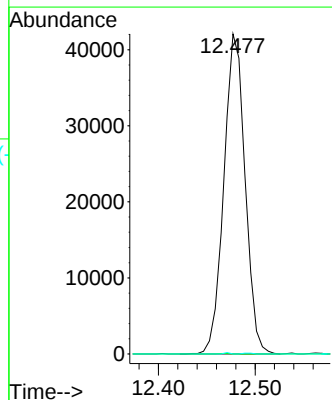
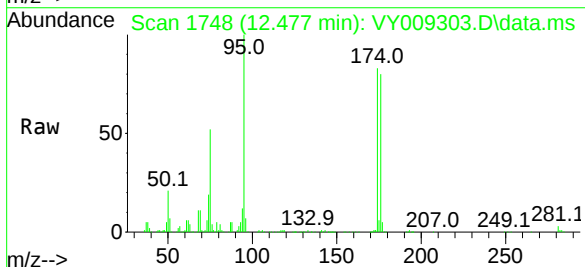
Instrument :
MSVOA_Y
ClientSampleId :
SB-2-3-5-20220622

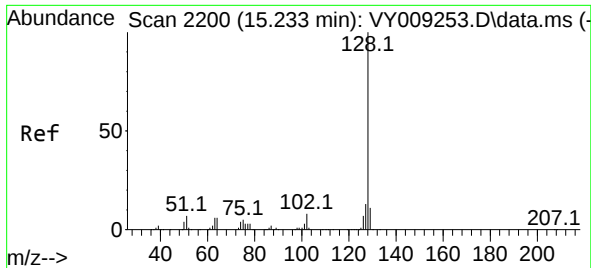
Tgt Ion: 75 Resp: 64013
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.311 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

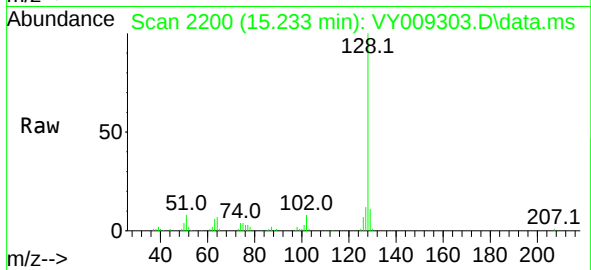
Tgt Ion: 75 Resp: 64013
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 9.376 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY009303.D
Acq: 23 Jun 2022 18:41

Instrument :
MSVOA_Y
ClientSampleId :
SB-2-3-5-20220622



Tgt Ion:128 Resp: 50497
Ion Ratio Lower Upper
128 100
127 13.4 11.0 16.4
129 10.9 8.4 12.6

