

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010099.D
 Acq On : 19 Aug 2022 12:52
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 22 02:37:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

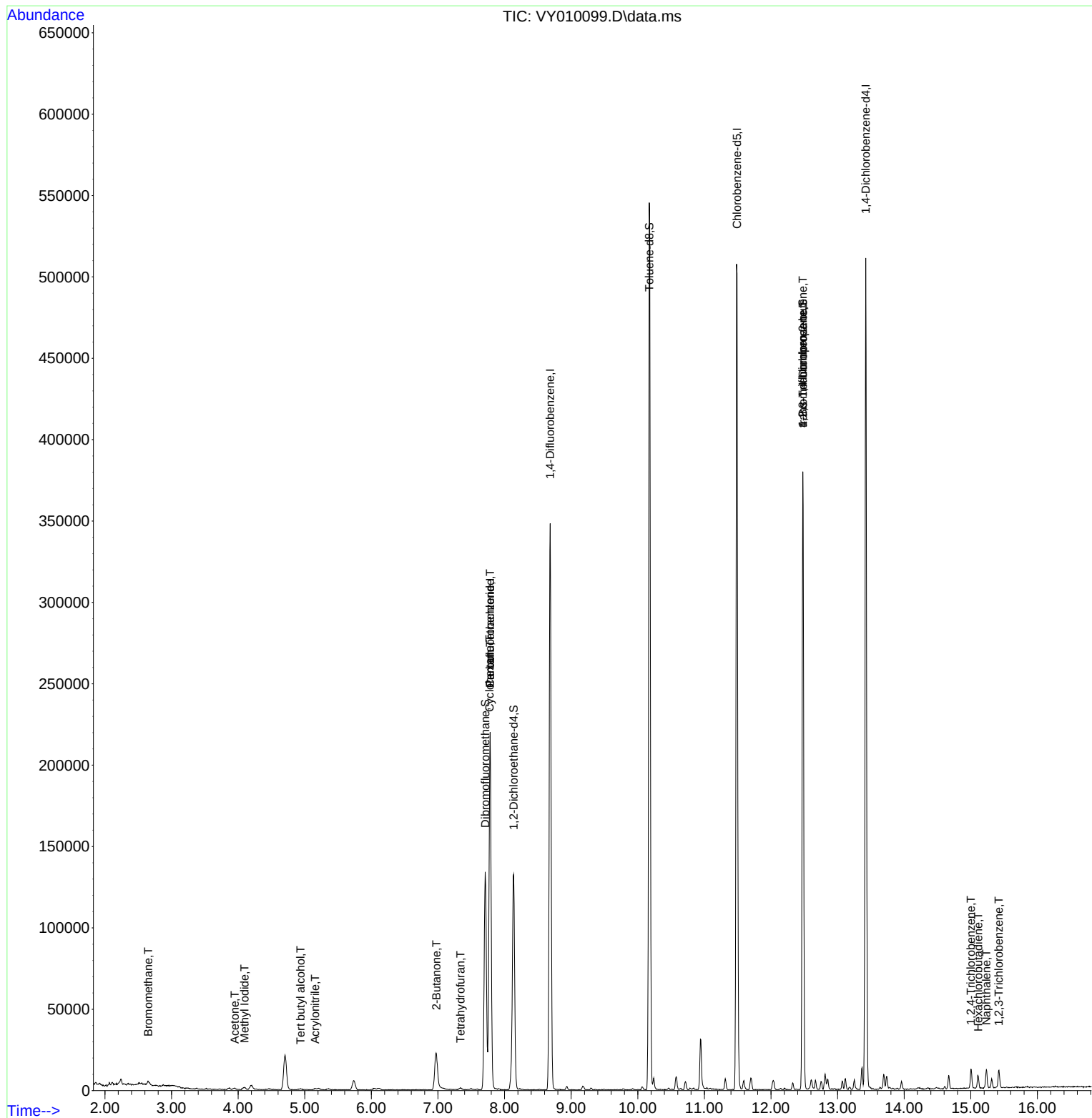
Internal Standards						
1) Pentafluorobenzene	7.783	168	177627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	316259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	297118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	97295	66.873	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.740%			
35) Dibromofluoromethane	7.710	113	98869	55.480	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.960%			
50) Toluene-d8	10.173	98	374511	56.085	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.180%			
62) 4-Bromofluorobenzene	12.477	95	121494	50.923	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.840%			
Target Compounds						Qvalue
5) Bromomethane	2.650	94	1567	1.276	ug/l	96
10) Methyl Iodide	4.095	142	2768	1.313	ug/l	96
11) Tert butyl alcohol	4.936	59	820	15.664	ug/l #	73
13) Acrolein	3.723	56	217	Below Cal	#	30
15) Acrylonitrile	5.155	53	962	2.132	ug/l #	95
16) Acetone	3.948	43	1584	4.350	ug/l #	88
25) 2-Butanone	6.978	43	1728	2.950	ug/l #	81
29) Tetrahydrofuran	7.338	42	670	1.789	ug/l #	73
31) Cyclohexane	7.777	56	3395	1.139	ug/l #	1
38) Carbon Tetrachloride	7.783	117	15954	5.348	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	57168	44.835	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57168	90.052	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.001	180	4285	1.815	ug/l	97
94) Hexachlorobutadiene	15.111	225	1682	1.200	ug/l	96
95) Naphthalene	15.233	128	9759	5.645	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	3989	1.939	ug/l	99

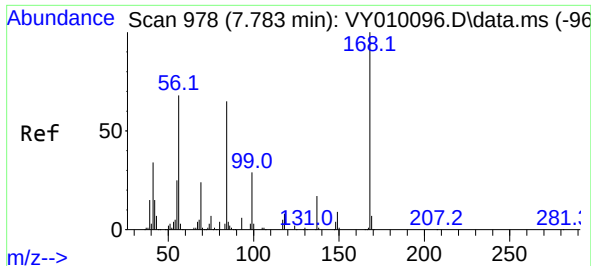
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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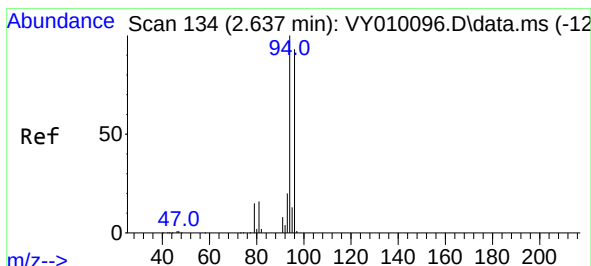
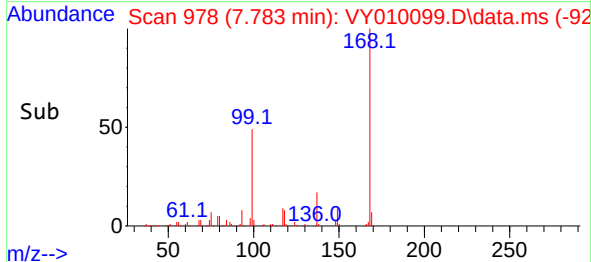
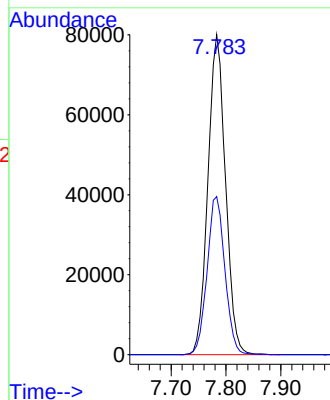
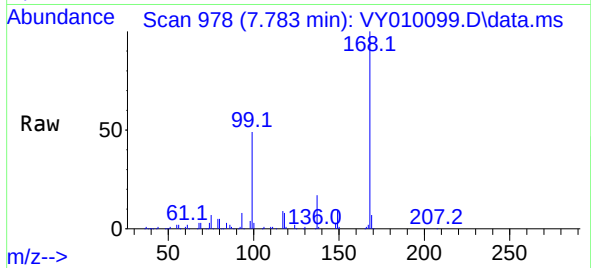




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

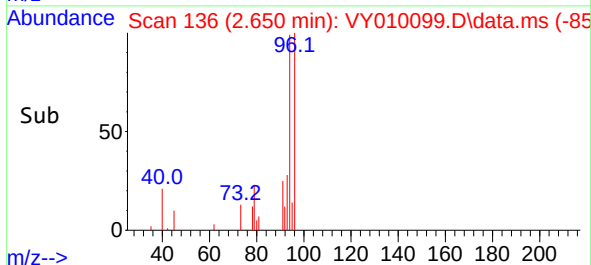
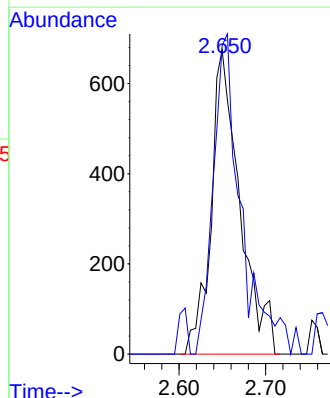
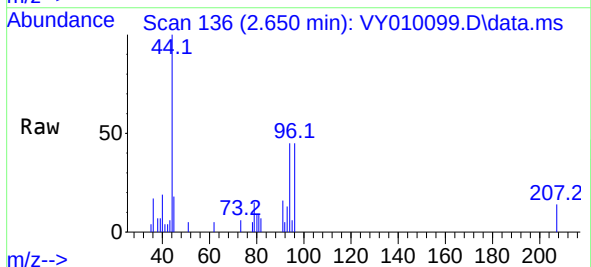
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

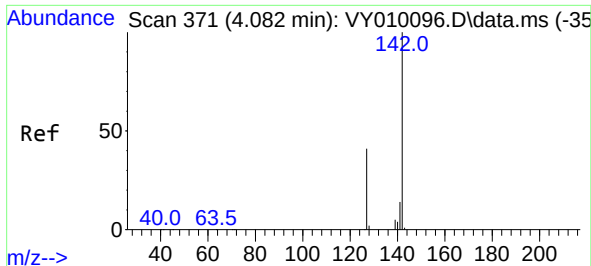
Tgt Ion:168 Resp: 177627
Ion Ratio Lower Upper
168 100
99 49.4 40.7 61.1



#5
Bromomethane
Concen: 1.276 ug/l
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

Tgt Ion: 94 Resp: 1567
Ion Ratio Lower Upper
94 100
96 89.3 74.3 111.5

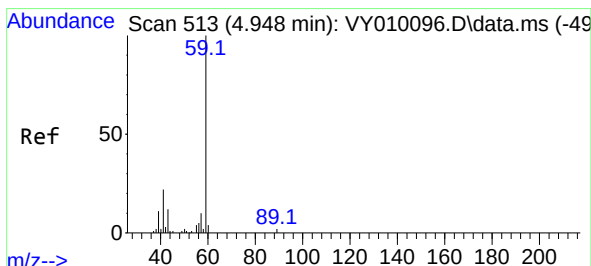
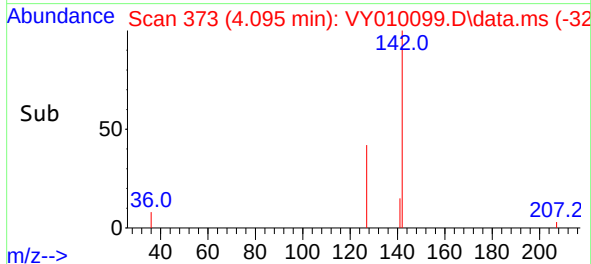
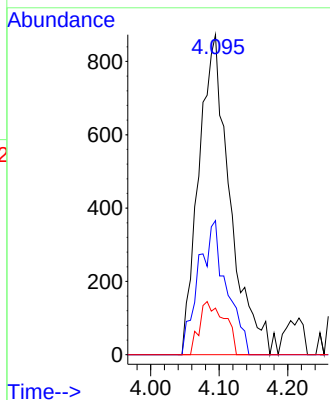
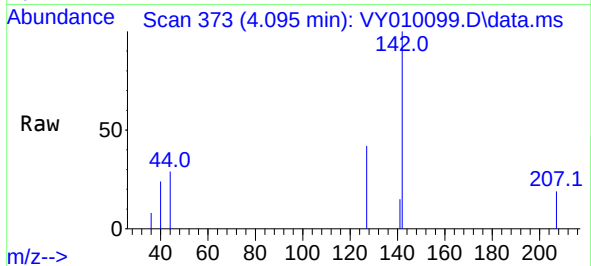




#10
Methyl Iodide
Concen: 1.313 ug/l
RT: 4.095 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

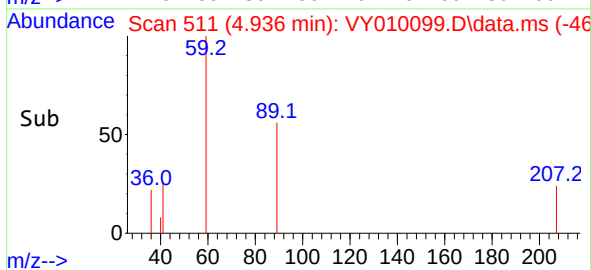
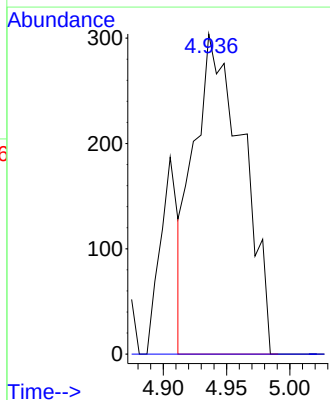
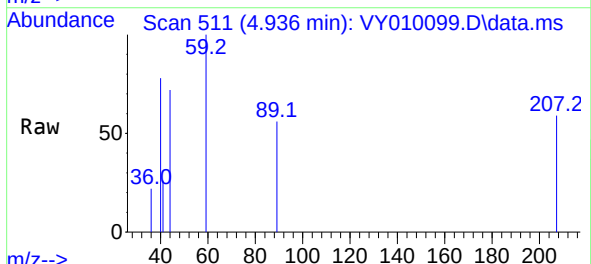
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

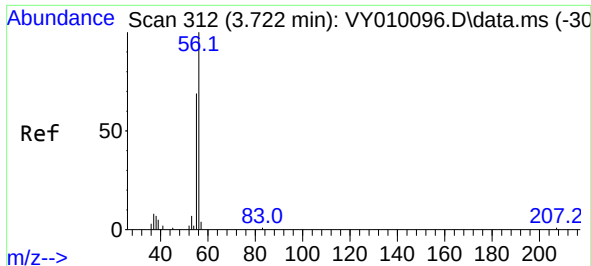
Tgt Ion:142 Resp: 2768
Ion Ratio Lower Upper
142 100
127 37.5 32.2 48.4
141 13.4 11.7 17.5



#11
Tert butyl alcohol
Concen: 15.664 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

Tgt Ion: 59 Resp: 820
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

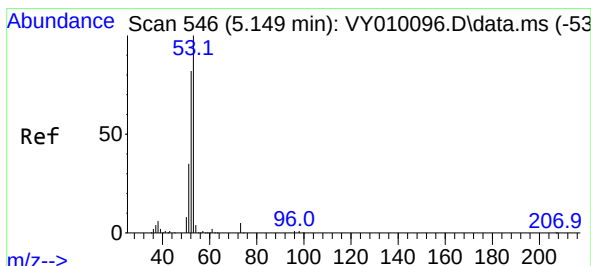
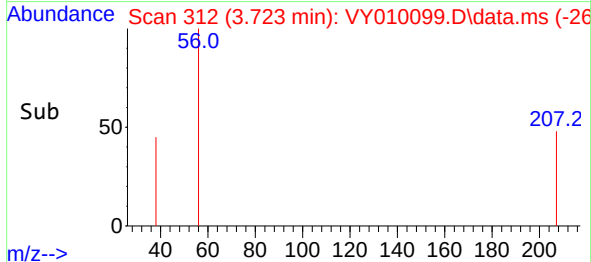
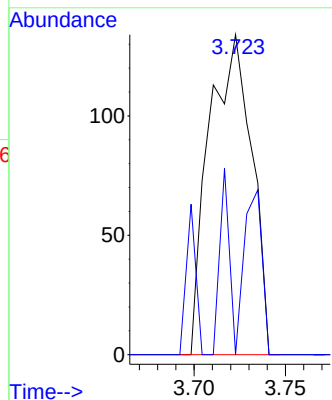
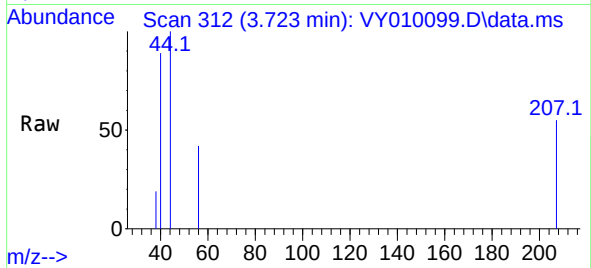




#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 312
Delta R.T. 0.001 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

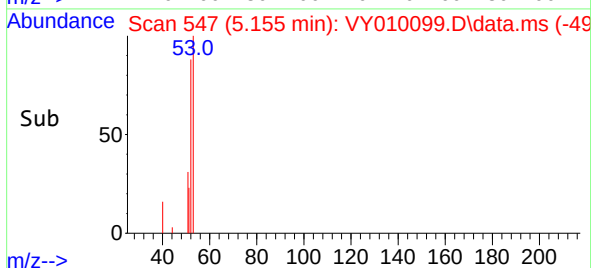
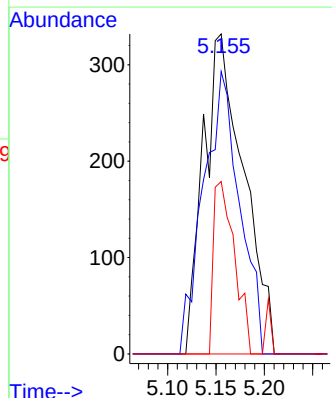
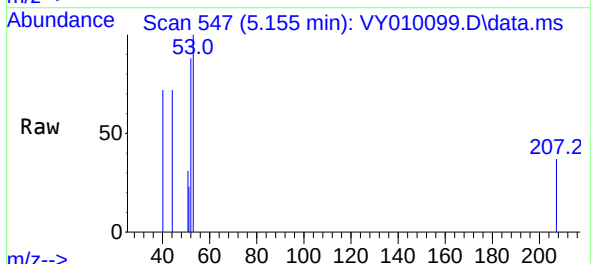
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

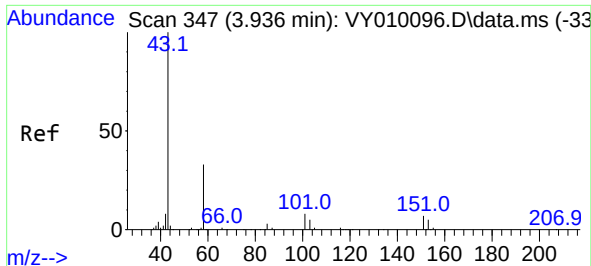
Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 13.4 57.5 86.3#



#15
Acrylonitrile
Concen: 2.132 ug/l
RT: 5.155 min Scan# 547
Delta R.T. 0.006 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

Tgt Ion: 53 Resp: 962
Ion Ratio Lower Upper
53 100
52 79.1 64.6 96.8
51 28.1 28.3 42.5#

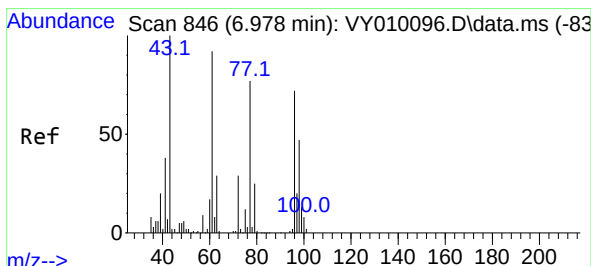
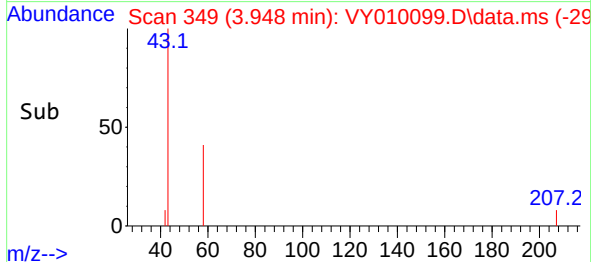
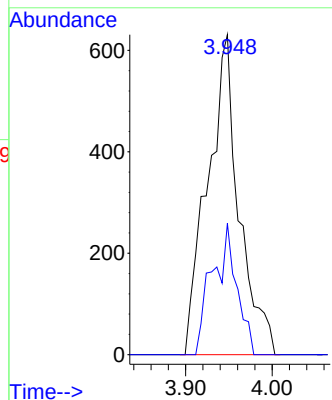
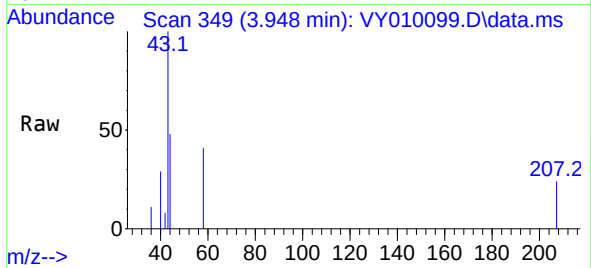




#16
Acetone
Concen: 4.350 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

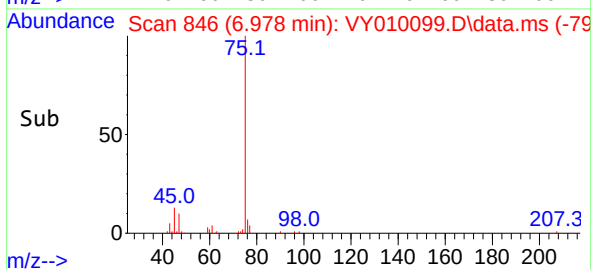
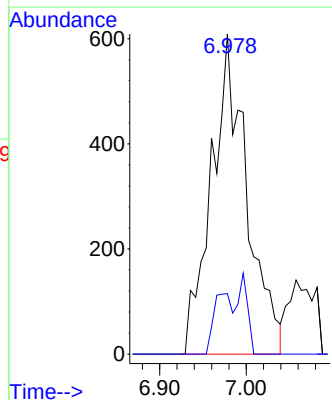
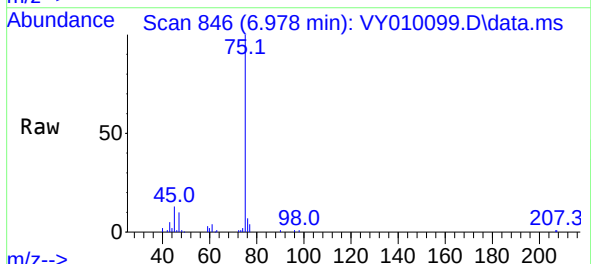
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

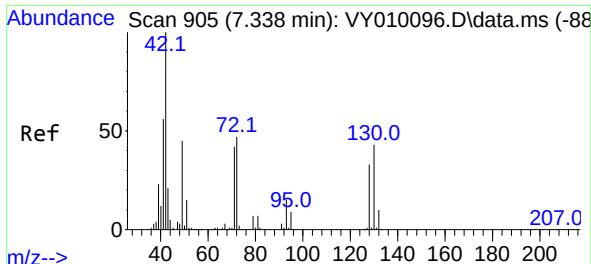
Tgt Ion: 43 Resp: 1584
Ion Ratio Lower Upper
43 100
58 41.0 27.4 41.0#



#25
2-Butanone
Concen: 2.950 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

Tgt Ion: 43 Resp: 1728
Ion Ratio Lower Upper
43 100
72 18.9 23.2 34.8#

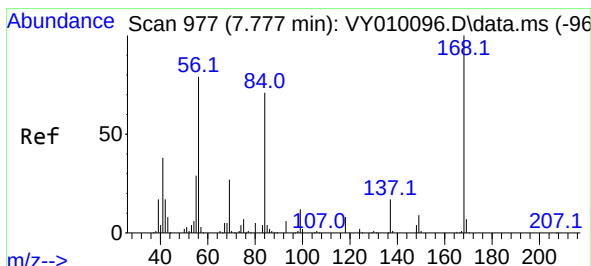
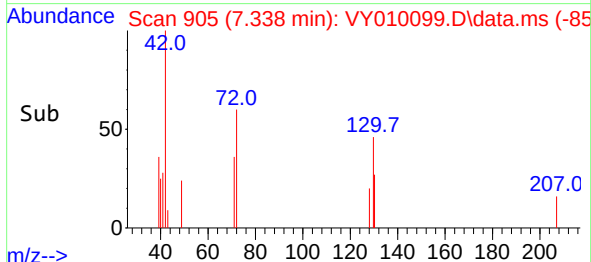
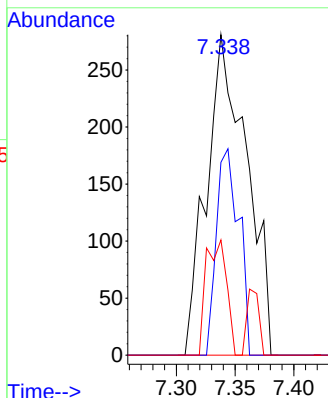
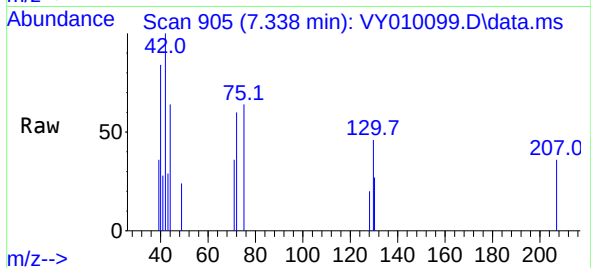




#29
Tetrahydrofuran
Concen: 1.789 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.000 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

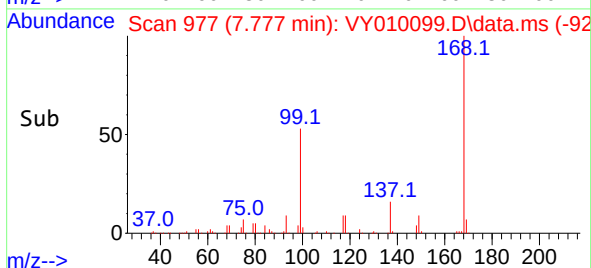
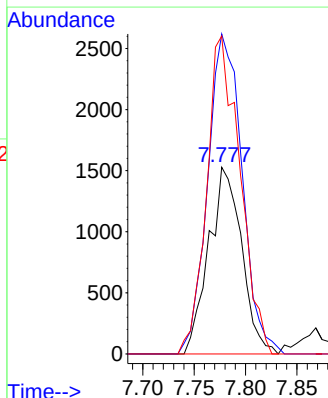
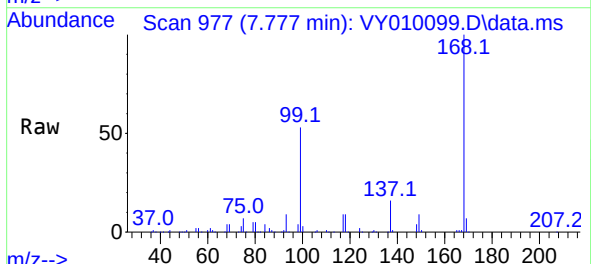
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

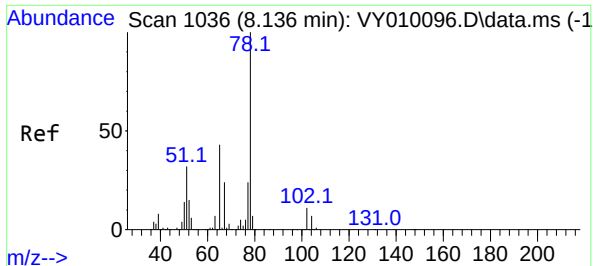
Tgt Ion: 42 Resp: 670
Ion Ratio Lower Upper
42 100
72 36.0 37.4 56.0#
71 18.4 34.9 52.3#



#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

Tgt Ion: 56 Resp: 3395
Ion Ratio Lower Upper
56 100
69 171.4 27.3 40.9#
84 170.3 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 66.873 ug/l

RT: 8.137 min Scan# 11036

Delta R.T. 0.001 min

Lab File: VY010099.D

Acq: 19 Aug 2022 12:52

Instrument :

MSVOA_Y

ClientSampleId :

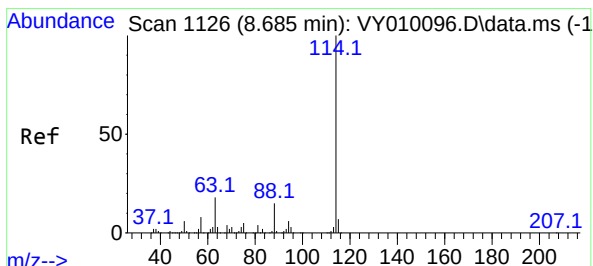
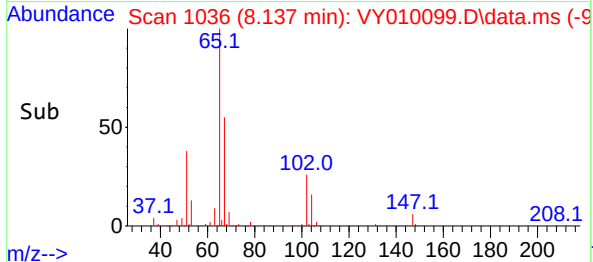
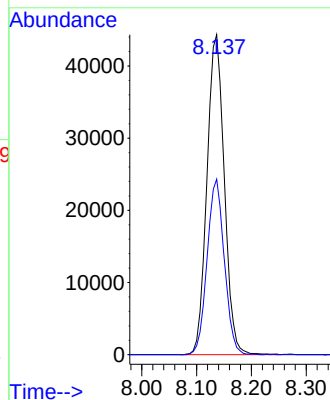
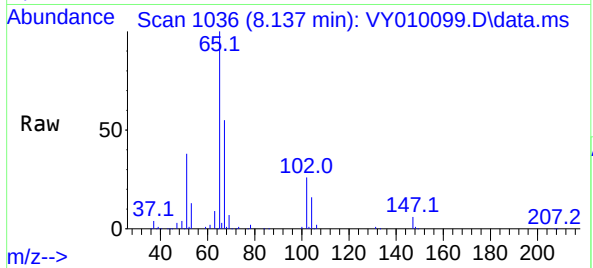
VIBLK

Tgt Ion: 65 Resp: 97295

Ion Ratio Lower Upper

65 100

67 54.3 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010099.D

Acq: 19 Aug 2022 12:52

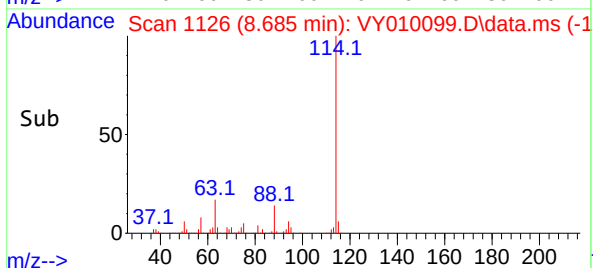
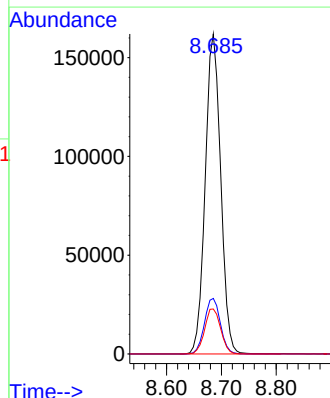
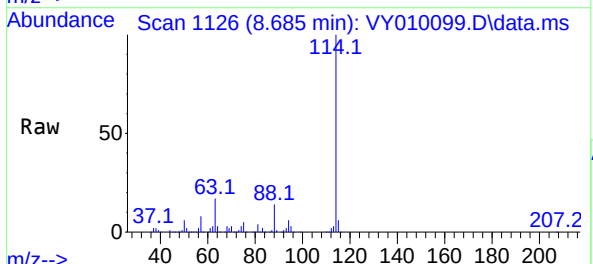
Tgt Ion:114 Resp: 316259

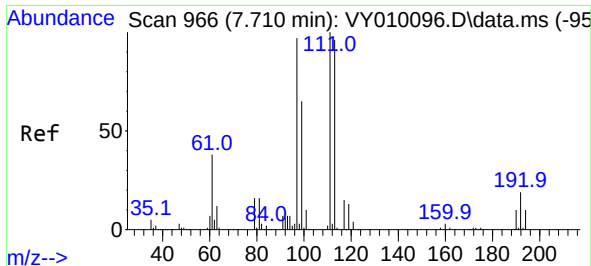
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.6

88 14.1 0.0 29.6

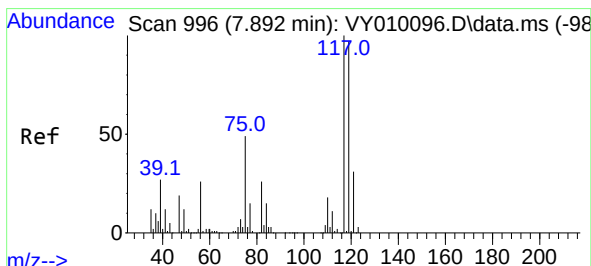
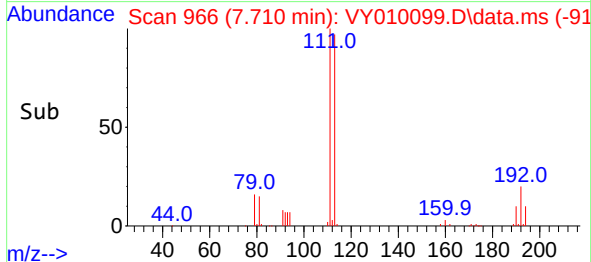
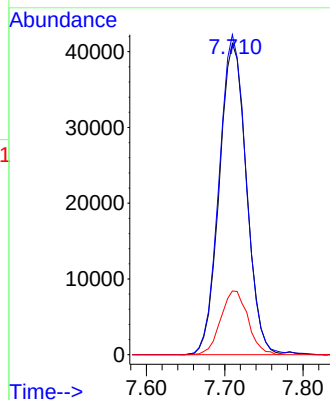
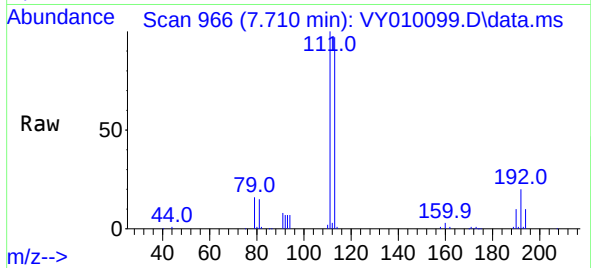




#35
Dibromofluoromethane
Concen: 55.480 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

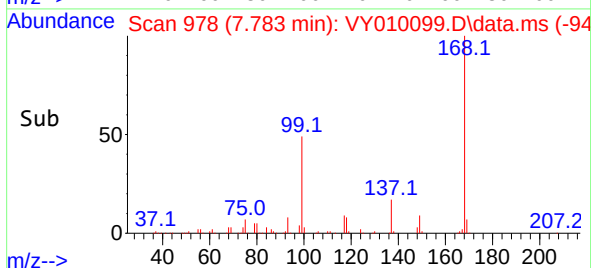
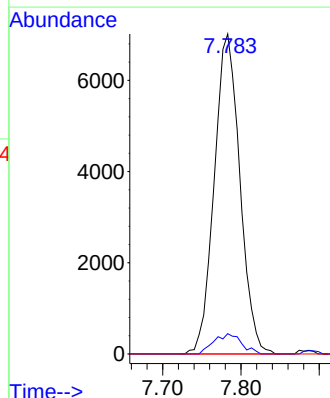
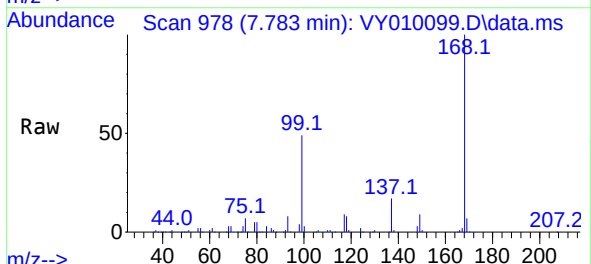
Instrument :
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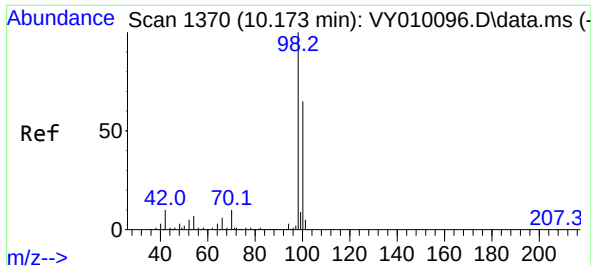
Tgt Ion:113 Resp: 98869
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 20.6 16.3 24.5



#38
Carbon Tetrachloride
Concen: 5.348 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

Tgt Ion:117 Resp: 15954
Ion Ratio Lower Upper
117 100
119 6.4 77.1 115.7#
121 0.0 24.7 37.1#

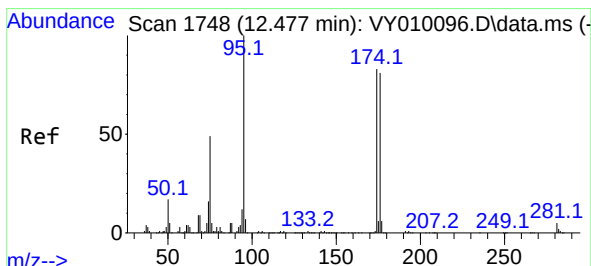
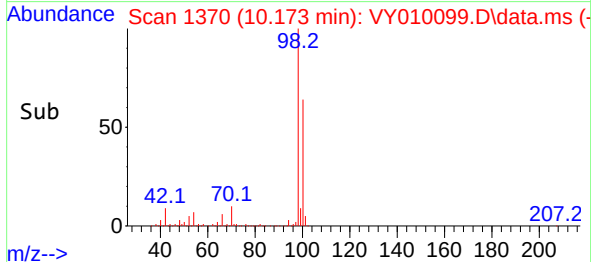
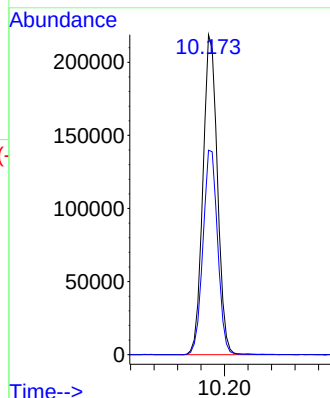
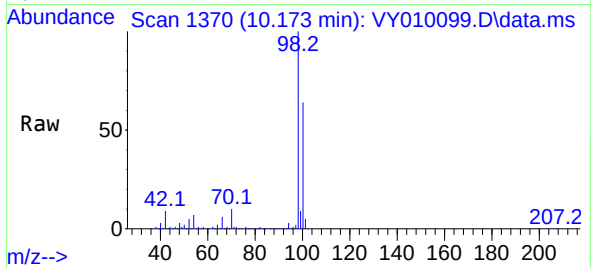




#50
Toluene-d8
Concen: 56.085 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

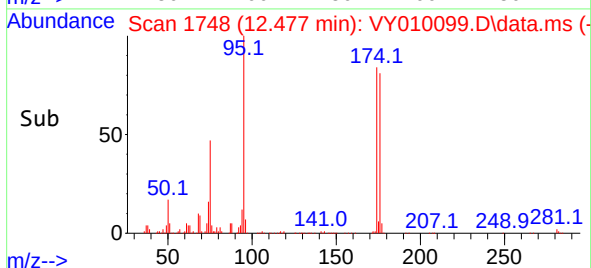
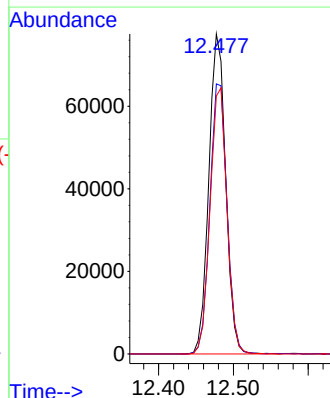
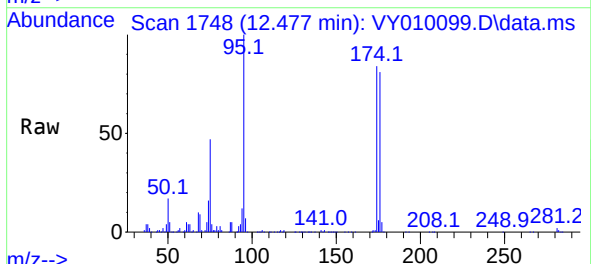
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

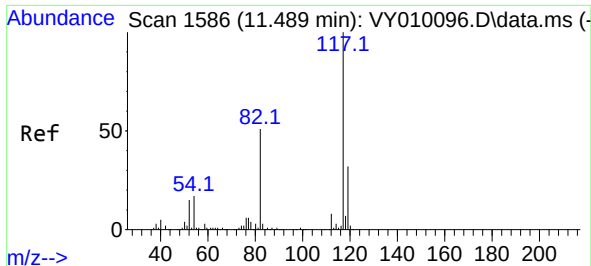
Tgt Ion: 98 Resp: 374511
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 50.923 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

Tgt Ion: 95 Resp: 121494
Ion Ratio Lower Upper
95 100
174 85.9 0.0 173.8
176 83.4 0.0 167.2

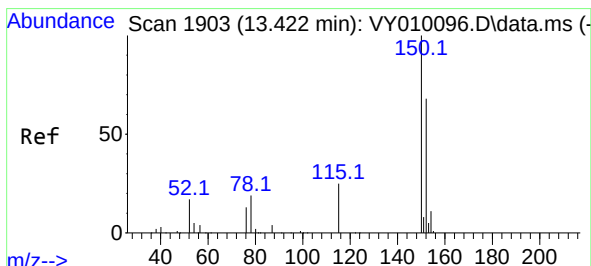
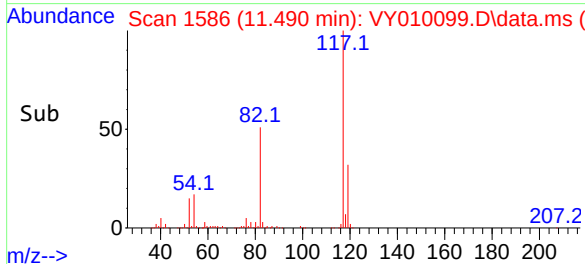
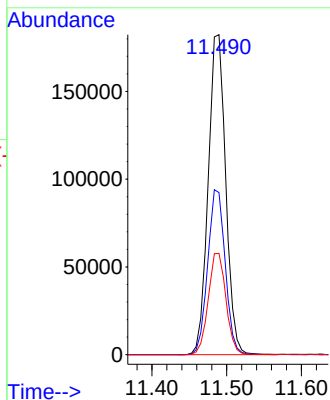
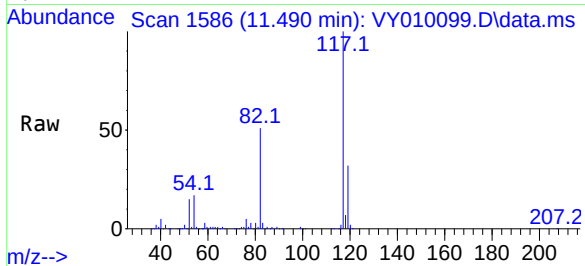




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

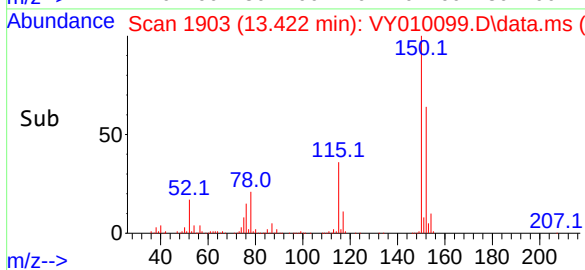
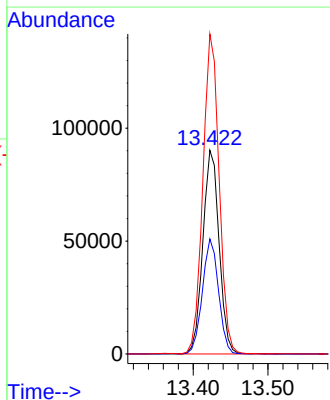
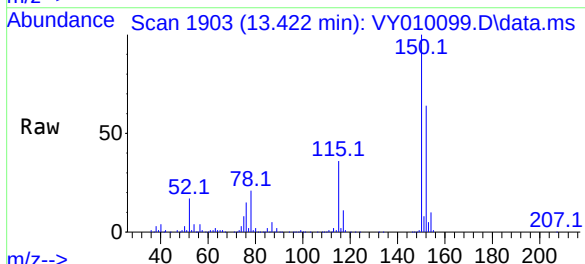
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

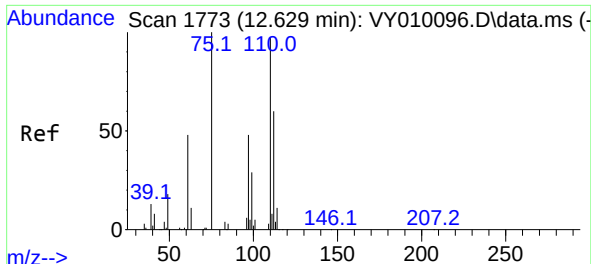
Tgt Ion:117 Resp: 297118
Ion Ratio Lower Upper
117 100
82 50.6 40.6 61.0
119 31.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

Tgt Ion:152 Resp: 136148
Ion Ratio Lower Upper
152 100
115 55.7 28.1 84.2
150 157.3 0.0 346.2

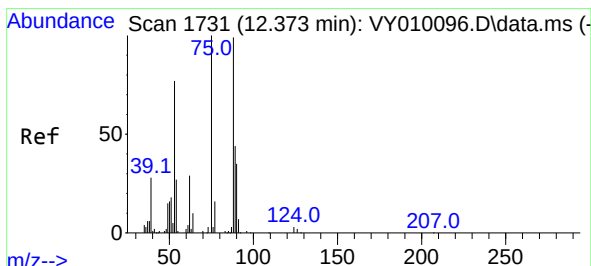
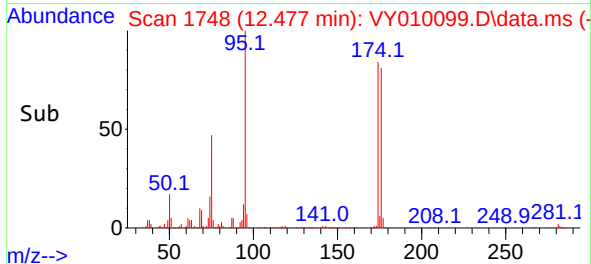
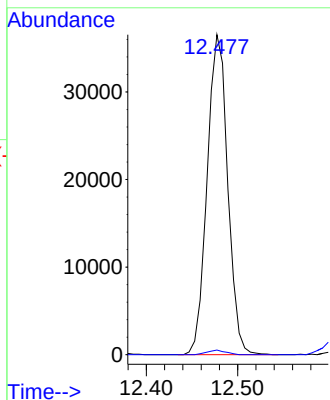
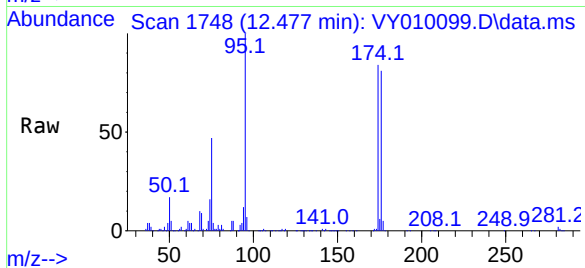




#76
1,2,3-Trichloropropane
Concen: 44.835 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

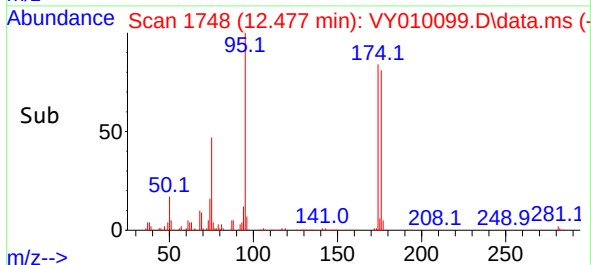
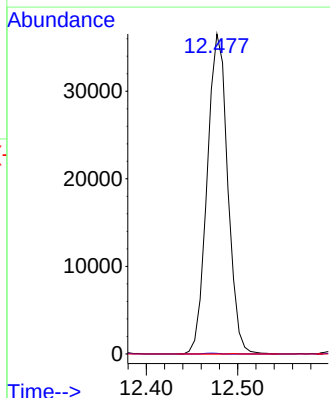
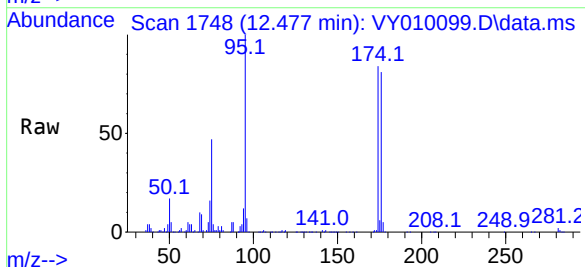
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

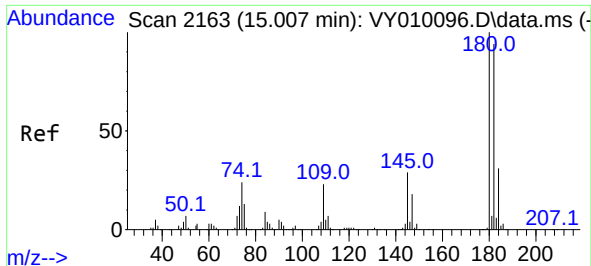
Tgt Ion: 75 Resp: 57168
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.052 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

Tgt Ion: 75 Resp: 57168
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 36.8 55.2#

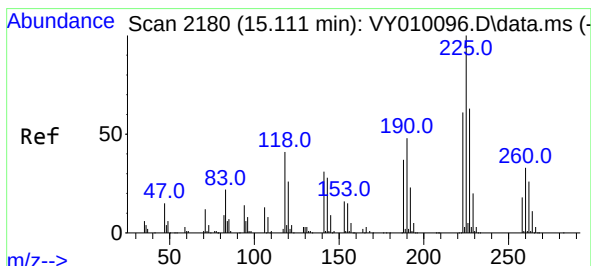
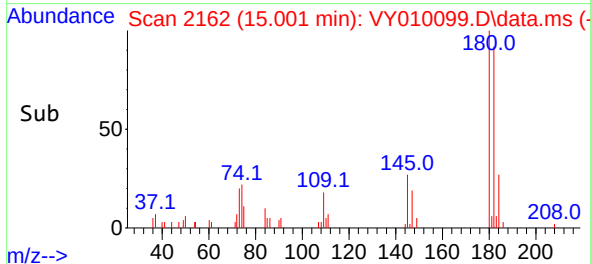
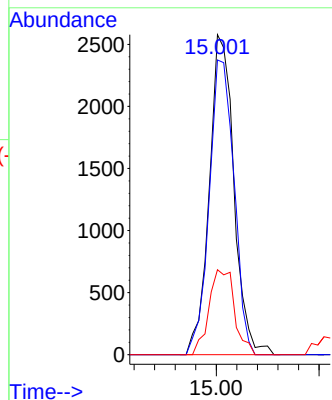
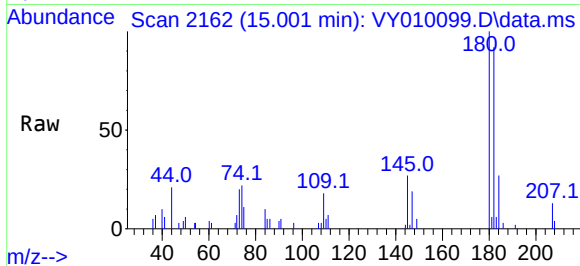




#93
1,2,4-Trichlorobenzene
Concen: 1.815 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

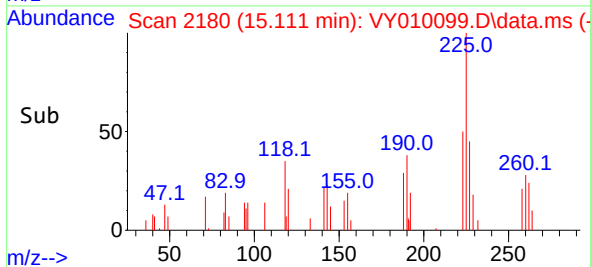
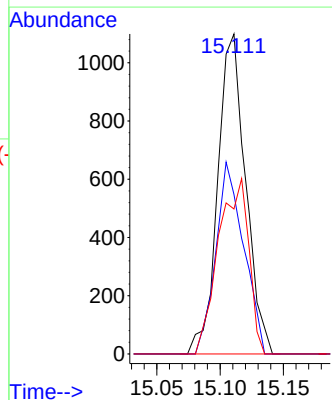
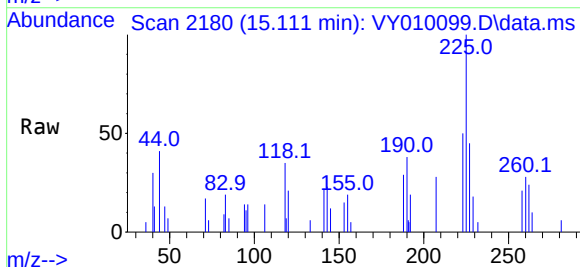
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

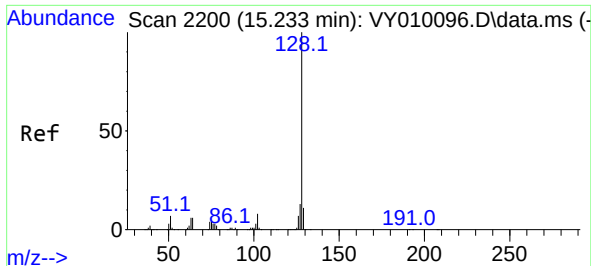
Tgt Ion:180 Resp: 4285
Ion Ratio Lower Upper
180 100
182 92.9 47.6 142.8
145 27.5 15.0 45.0



#94
Hexachlorobutadiene
Concen: 1.200 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. -0.000 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

Tgt Ion:225 Resp: 1682
Ion Ratio Lower Upper
225 100
223 59.9 31.1 93.5
227 59.7 32.0 96.2

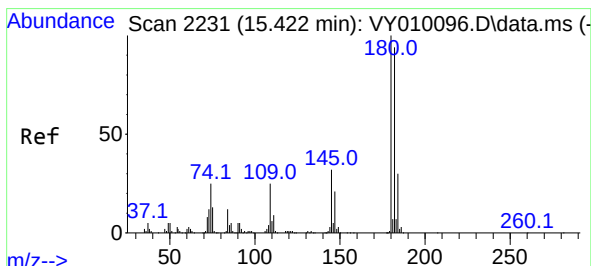
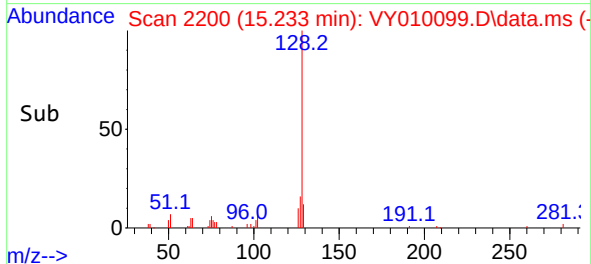
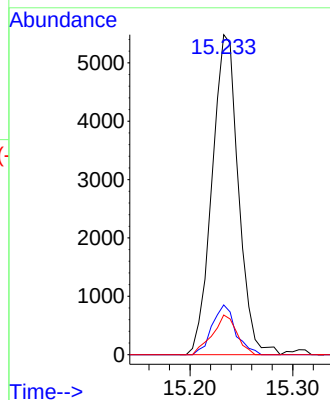
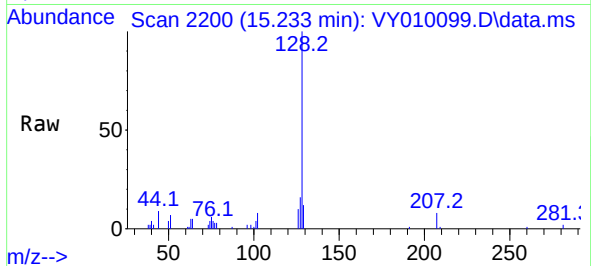




#95
Naphthalene
Concen: 5.645 ug/l
RT: 15.233 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:	128	Resp:	9759
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.2
129	11.5	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 1.939 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY010099.D
Acq: 19 Aug 2022 12:52

Tgt Ion:	180	Resp:	3989
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.0	141.2
145	30.4	16.0	47.9

