

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011623\Not Reviewed Data\
 Data File : VY012200.D
 Acq On : 16 Jan 2023 14:58
 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: Jan 17 04:44:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

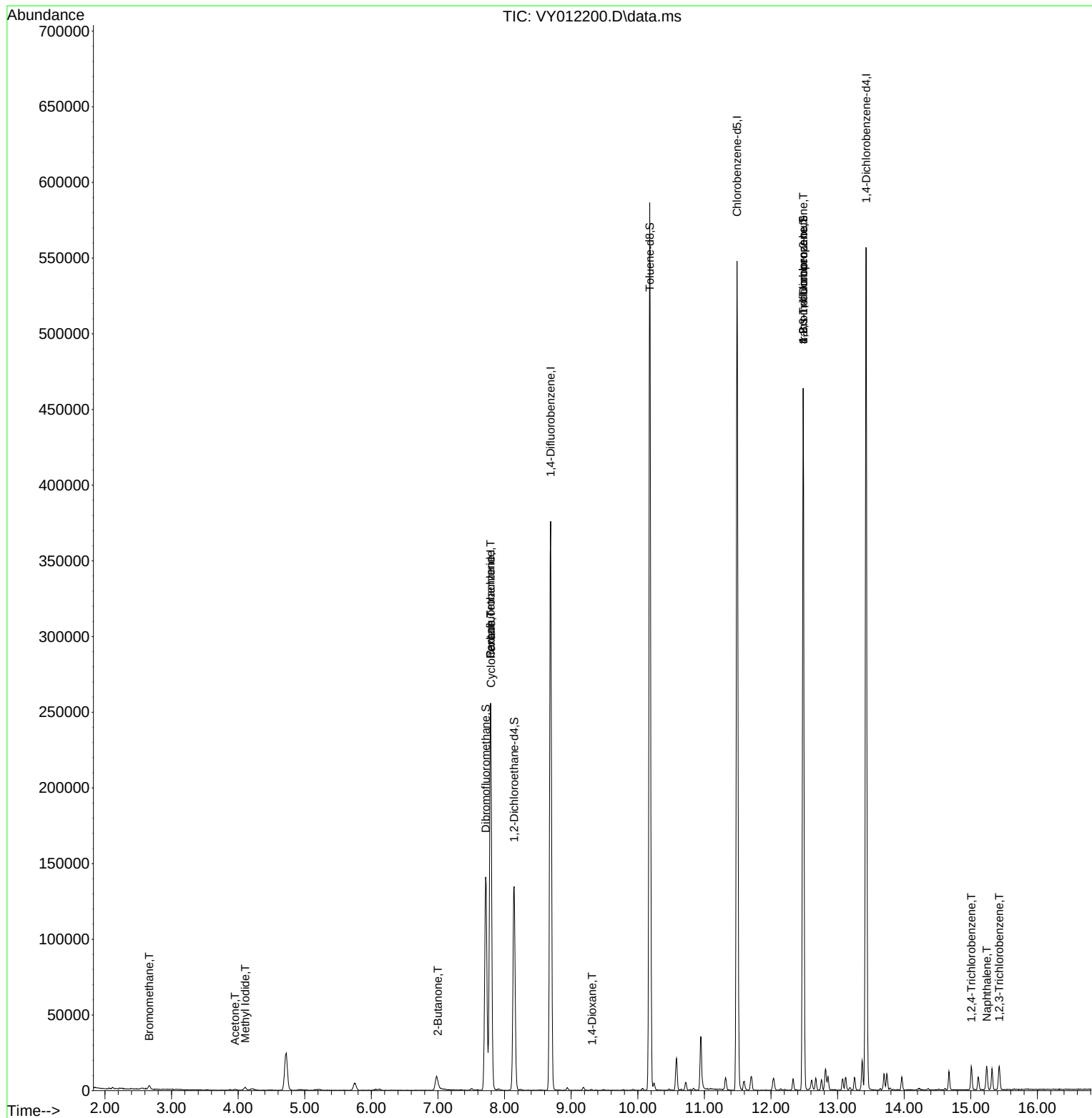
Internal Standards						
1) Pentafluorobenzene	7.789	168	200790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	329011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	312461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	110908	68.059	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 136.120%		
35) Dibromofluoromethane	7.716	113	98709	56.660	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 113.320%		
50) Toluene-d8	10.179	98	387593	65.561	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 131.120%		
62) 4-Bromofluorobenzene	12.483	95	132598	53.993	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 107.980%		
Target Compounds						
						Qvalue
5) Bromomethane	2.662	94	1620	1.108	ug/l	84
10) Methyl Iodide	4.107	142	3127	1.146	ug/l	97
11) Tert butyl alcohol	4.960	59	104	Below Cal	#	74
16) Acetone	3.954	43	1148	2.053	ug/l #	83
25) 2-Butanone	6.997	43	873	1.414	ug/l #	87
31) Cyclohexane	7.795	56	4243	1.449	ug/l #	36
38) Carbon Tetrachloride	7.789	117	19767	5.169	ug/l #	17
49) 1,4-Dioxane	9.313	88	20	1.230	ug/l #	24
76) 1,2,3-Trichloropropane	12.483	75	69255	51.480	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	69255	106.072	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.007	180	5007	1.735	ug/l	96
95) Naphthalene	15.239	128	13939	2.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	5550	2.234	ug/l	100

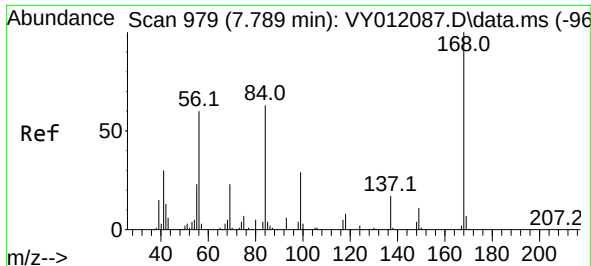
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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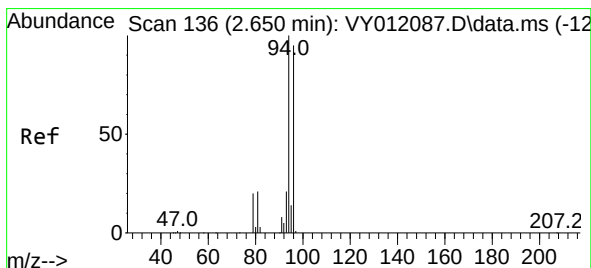
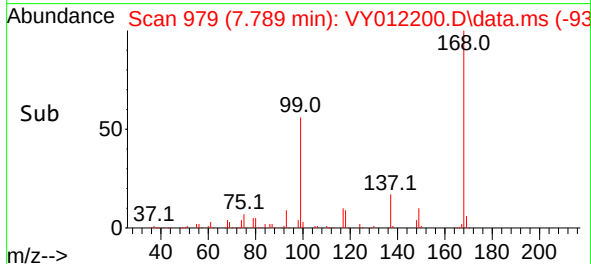
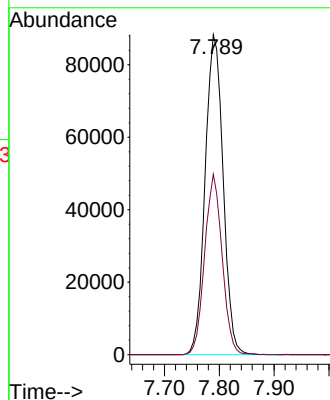
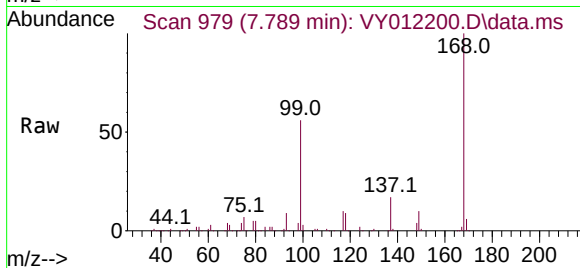




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

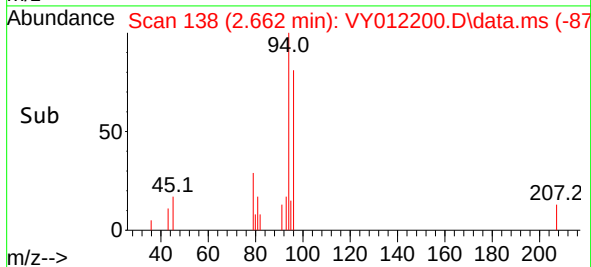
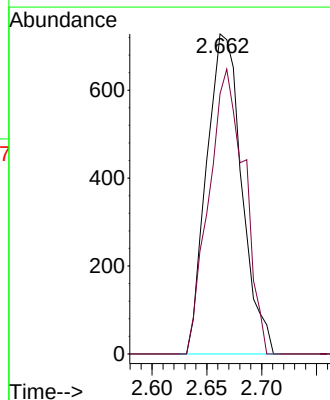
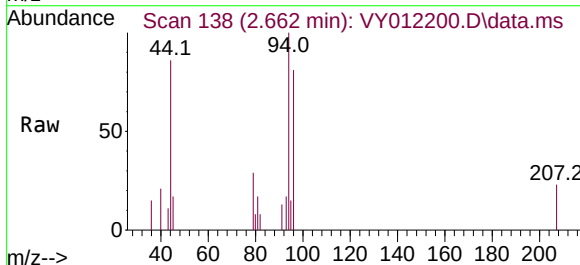
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

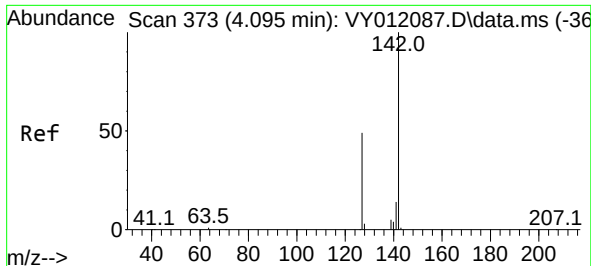
Tgt Ion:168 Resp: 200790
Ion Ratio Lower Upper
168 100
99 56.4 44.0 66.0



#5
Bromomethane
Concen: 1.108 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

Tgt Ion: 94 Resp: 1620
Ion Ratio Lower Upper
94 100
96 81.3 77.4 116.2

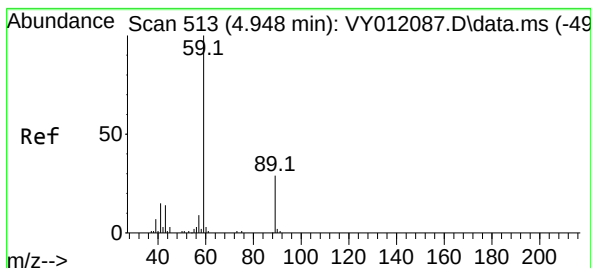
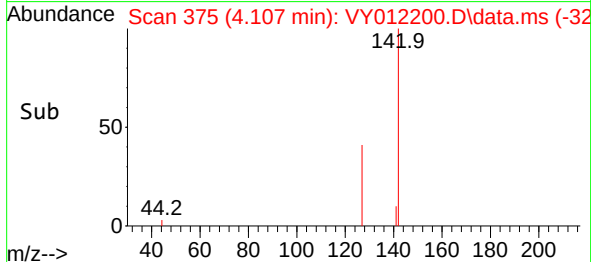
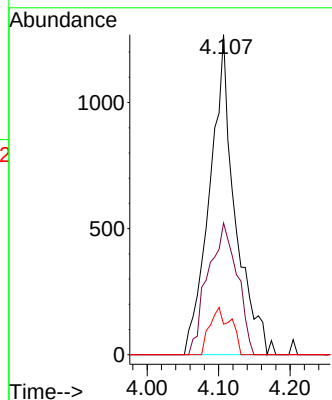
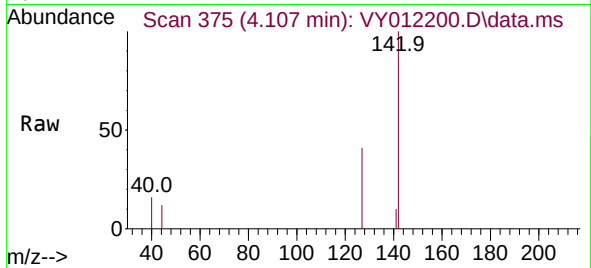




#10
Methyl Iodide
Concen: 1.146 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

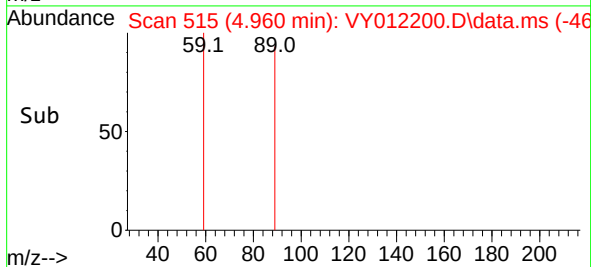
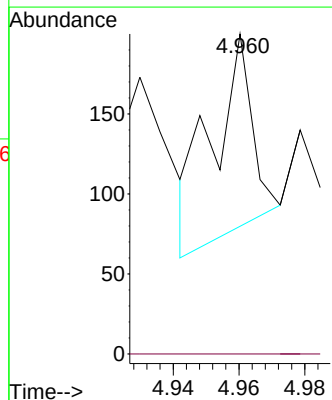
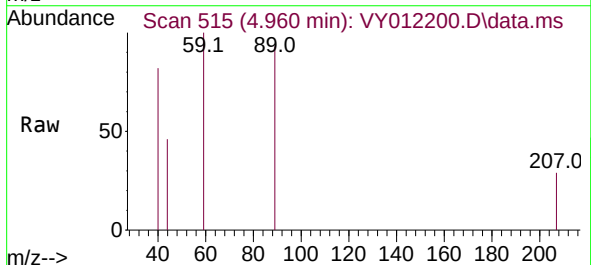
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

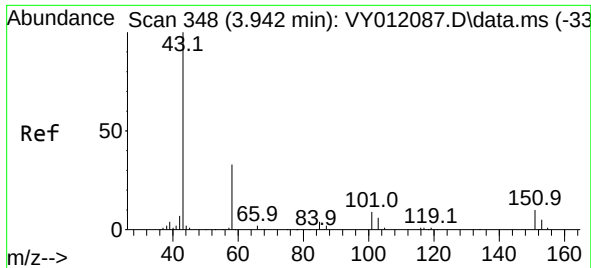
Tgt Ion:142 Resp: 3127
Ion Ratio Lower Upper
142 100
127 47.4 37.0 55.4
141 12.2 11.4 17.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

Tgt Ion: 59 Resp: 104
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 2.053 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY012200.D

Acq: 16 Jan 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

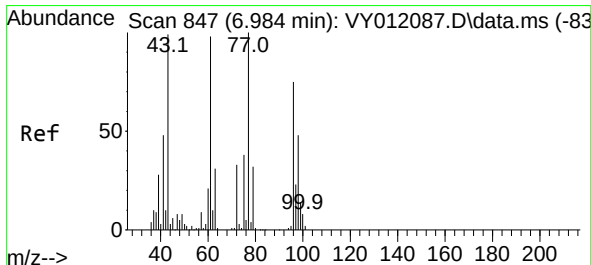
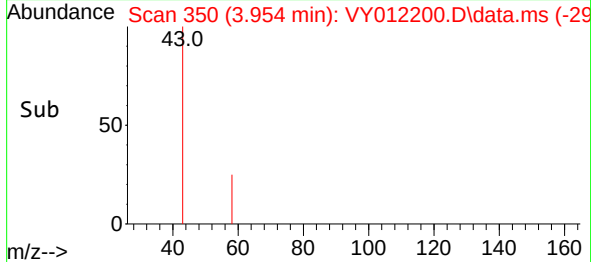
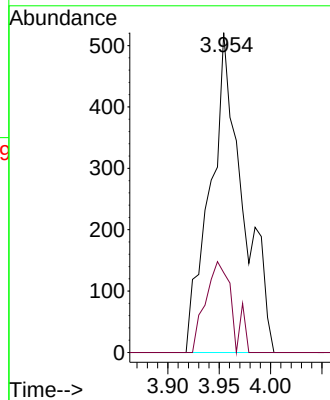
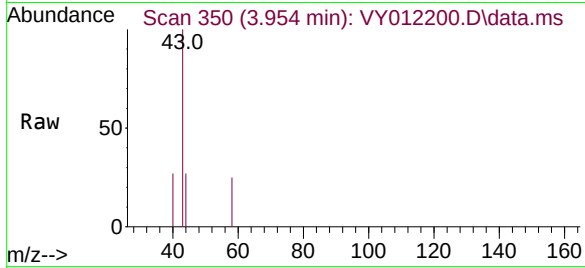
VIBLK

Tgt Ion: 43 Resp: 1148

Ion Ratio Lower Upper

43 100

58 25.0 27.9 41.9#



#25

2-Butanone

Concen: 1.414 ug/l

RT: 6.997 min Scan# 849

Delta R.T. 0.013 min

Lab File: VY012200.D

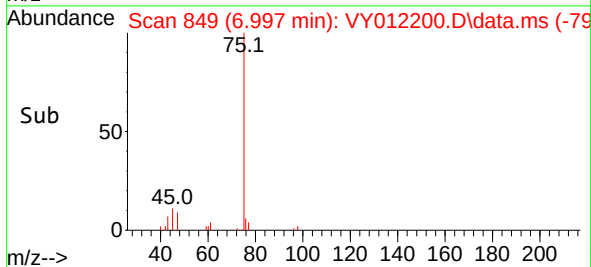
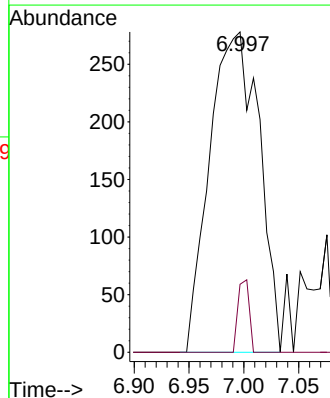
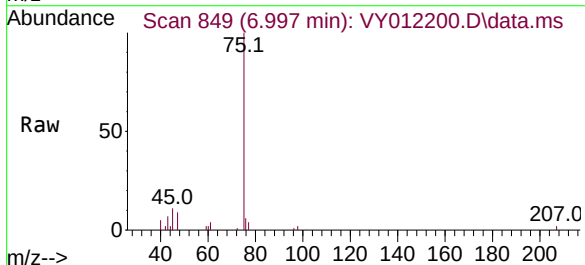
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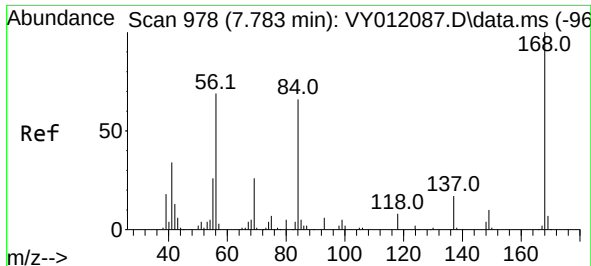
Tgt Ion: 43 Resp: 873

Ion Ratio Lower Upper

43 100

72 21.2 22.6 34.0#

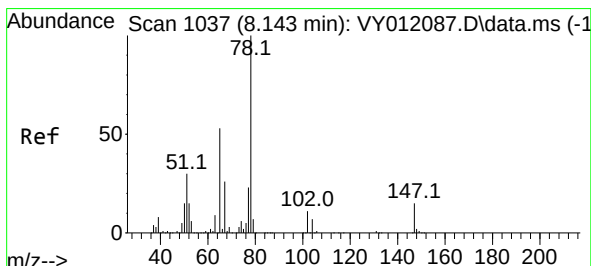
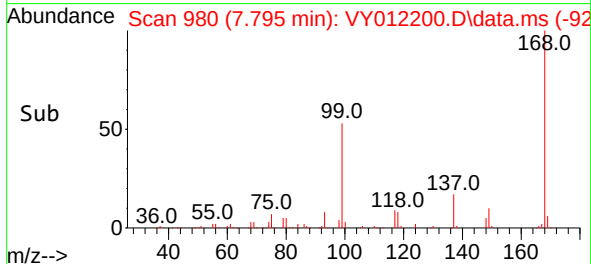
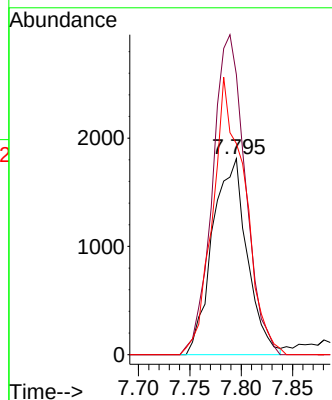
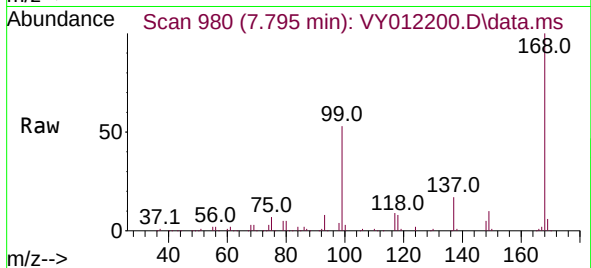




#31
Cyclohexane
Concen: 1.449 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

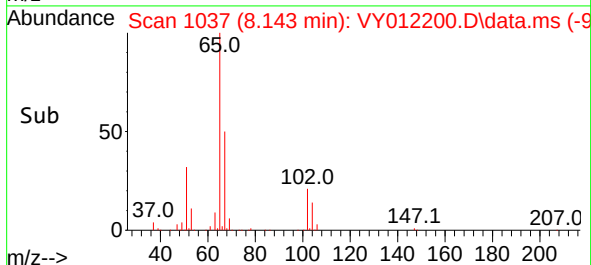
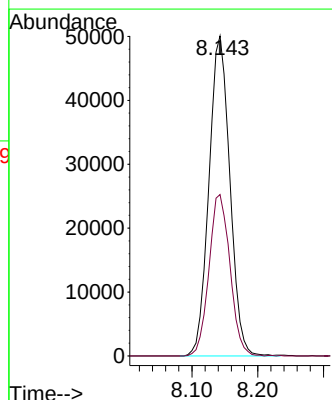
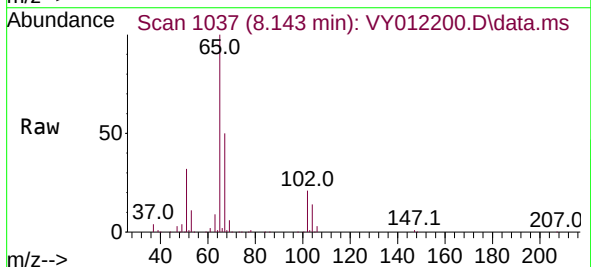
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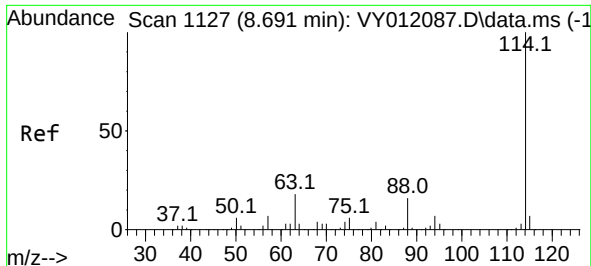
Tgt Ion: 56 Resp: 4243
Ion Ratio Lower Upper
56 100
69 142.9 29.2 43.8#
84 107.7 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 68.059 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

Tgt Ion: 65 Resp: 110908
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.2

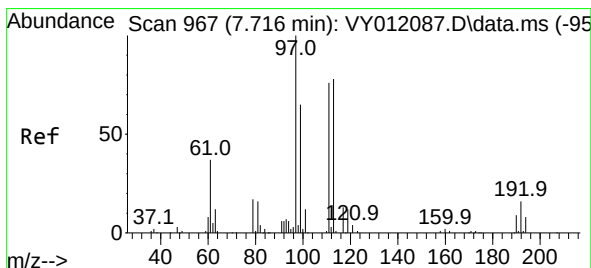
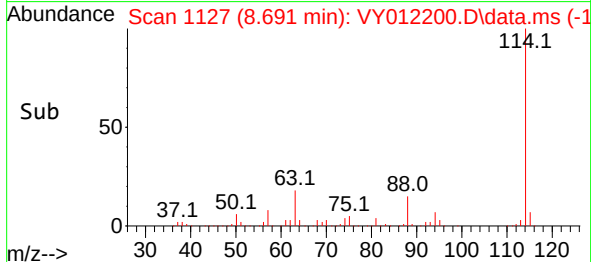
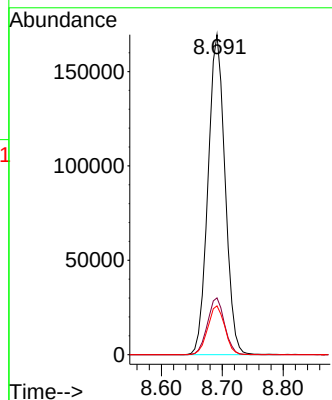
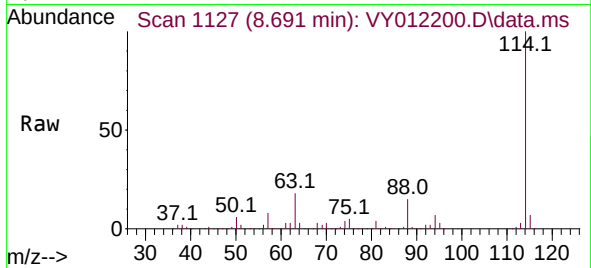




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

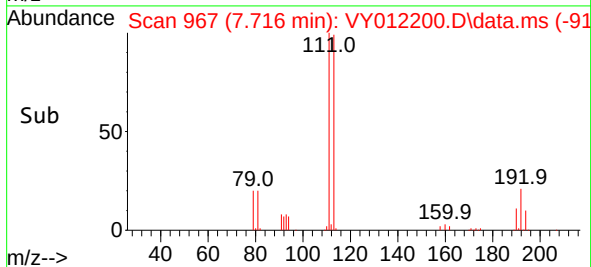
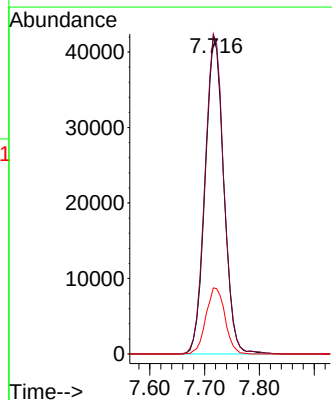
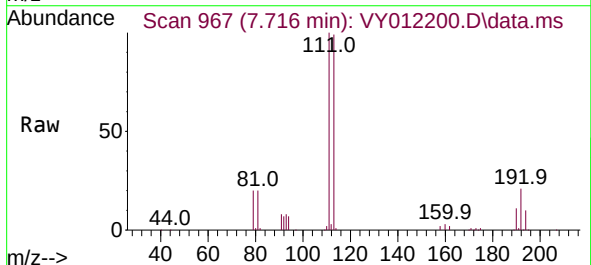
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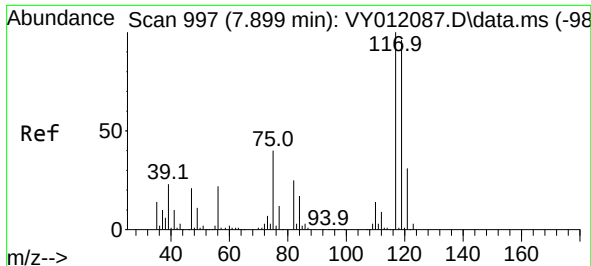
Tgt Ion:114 Resp: 329011
Ion Ratio Lower Upper
114 100
63 17.8 0.0 39.6
88 15.3 0.0 32.2



#35
Dibromofluoromethane
Concen: 56.660 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

Tgt Ion:113 Resp: 98709
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 21.3 16.0 24.0

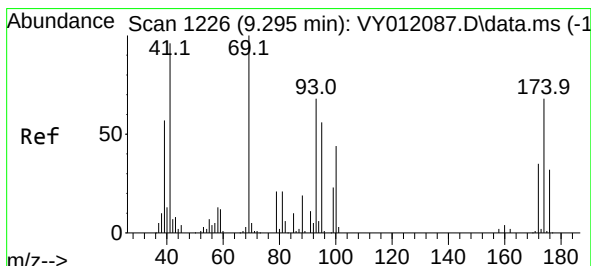
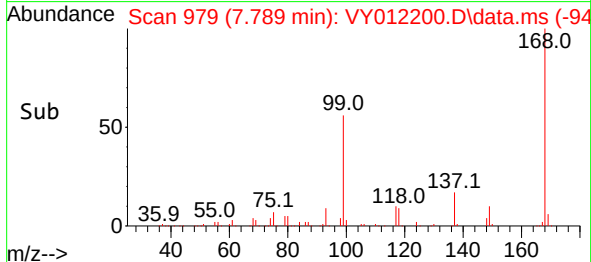
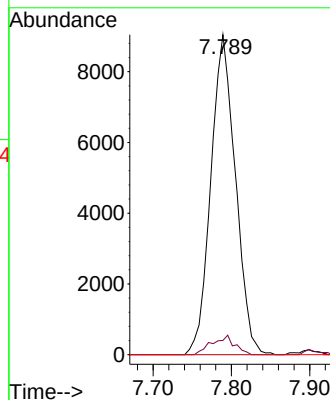
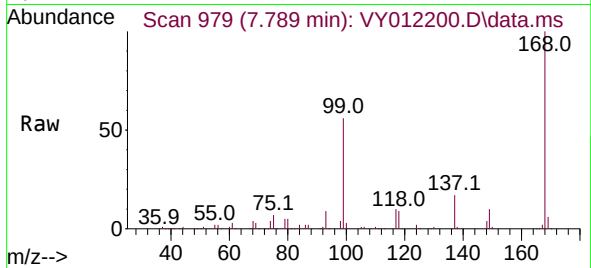




#38
Carbon Tetrachloride
Concen: 5.169 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

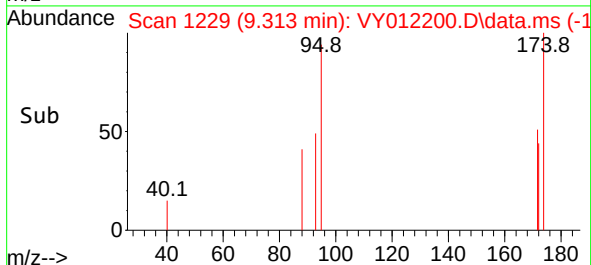
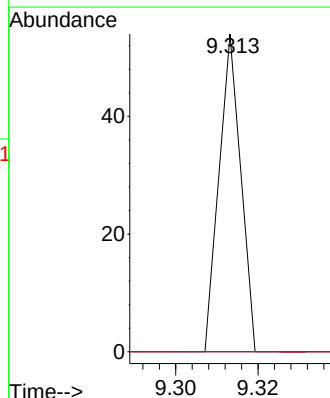
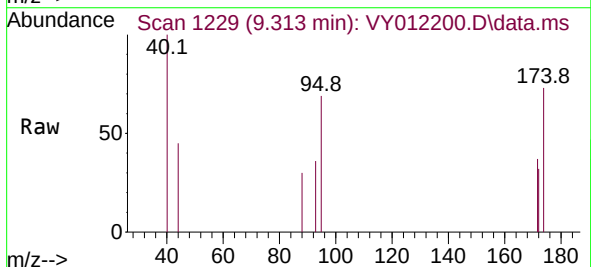
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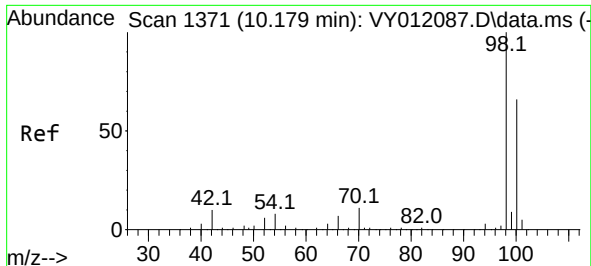
Tgt Ion:117 Resp: 19767
Ion Ratio Lower Upper
117 100
119 4.4 73.8 110.8#
121 0.0 25.2 37.8#



#49
1,4-Dioxane
Concen: 1.230 ug/l
RT: 9.313 min Scan# 1229
Delta R.T. 0.018 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 26.2 39.2#
58 0.0 54.3 81.5#

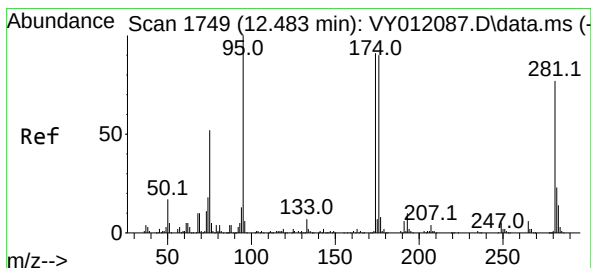
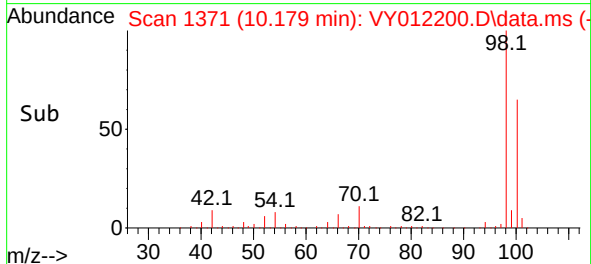
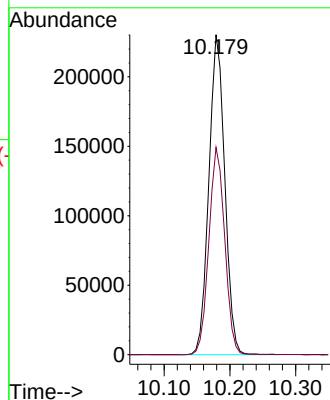
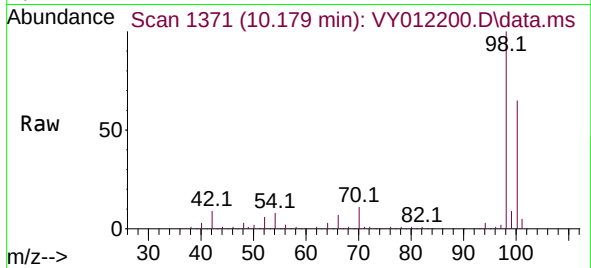




#50
Toluene-d8
Concen: 65.561 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

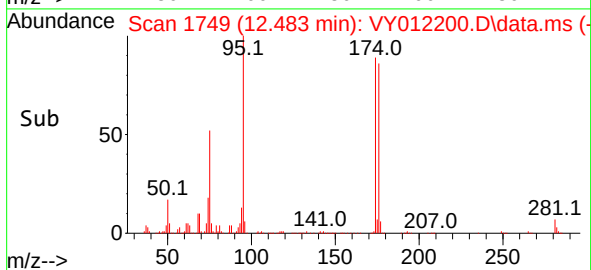
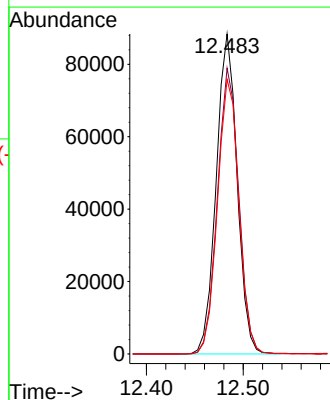
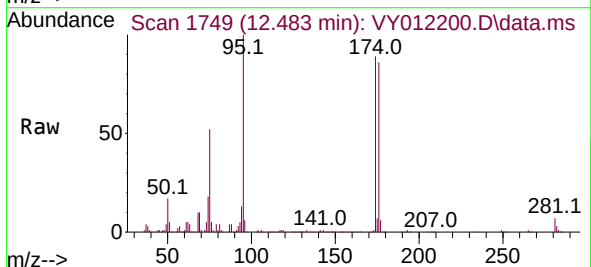
Instrument :
MSVOA_Y
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VIBLK

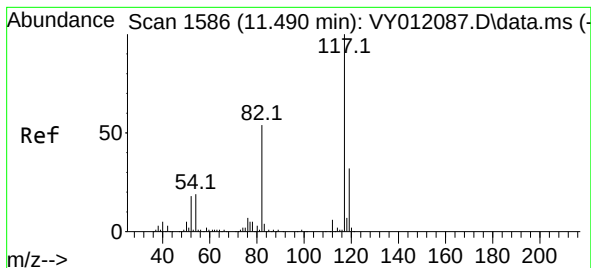
Tgt Ion: 98 Resp: 387593
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 53.993 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

Tgt Ion: 95 Resp: 132598
Ion Ratio Lower Upper
95 100
174 91.3 0.0 172.0
176 87.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012200.D

Acq: 16 Jan 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

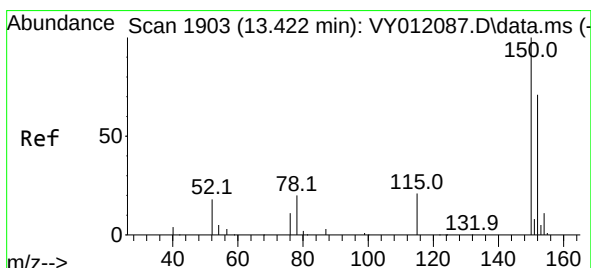
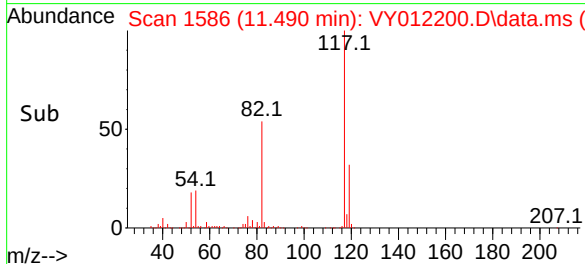
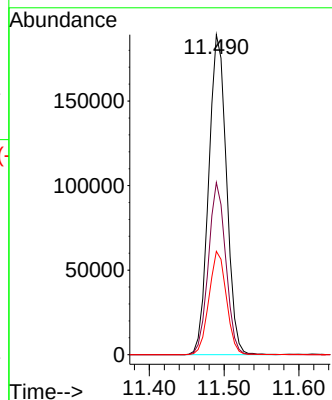
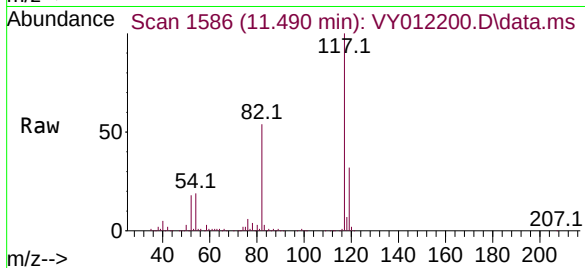
Tgt Ion:117 Resp: 312461

Ion Ratio Lower Upper

117 100

82 53.8 44.8 67.2

119 32.3 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012200.D

Acq: 16 Jan 2023 14:58

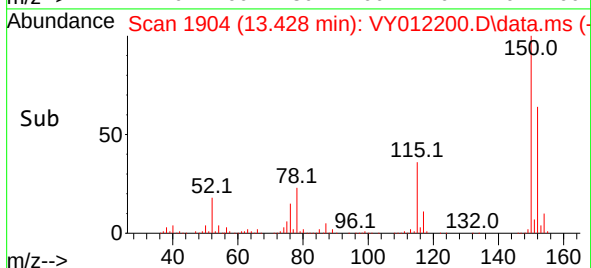
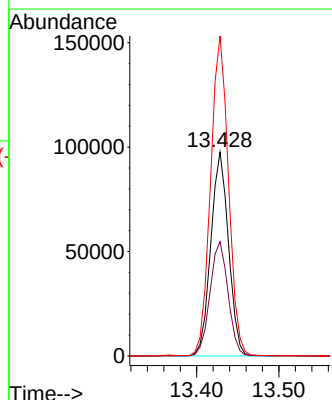
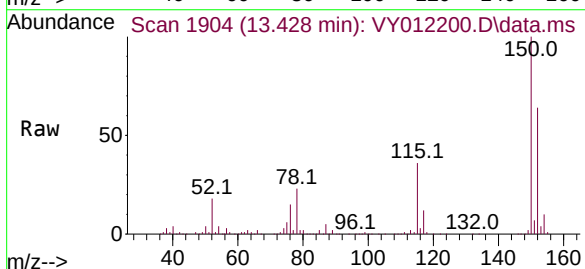
Tgt Ion:152 Resp: 146299

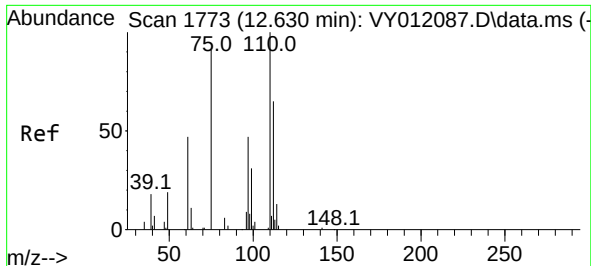
Ion Ratio Lower Upper

152 100

115 57.2 29.1 87.3

150 158.0 0.0 342.6

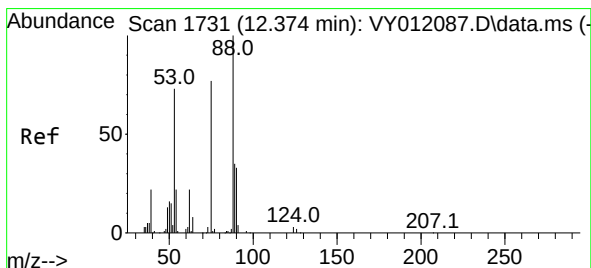
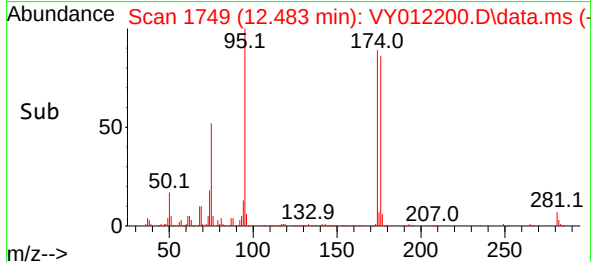
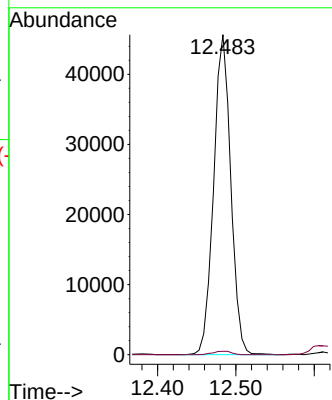
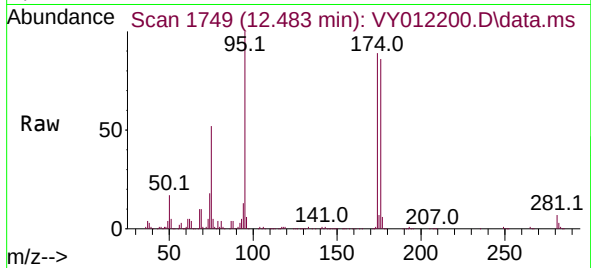




#76
1,2,3-Trichloropropane
Concen: 51.480 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

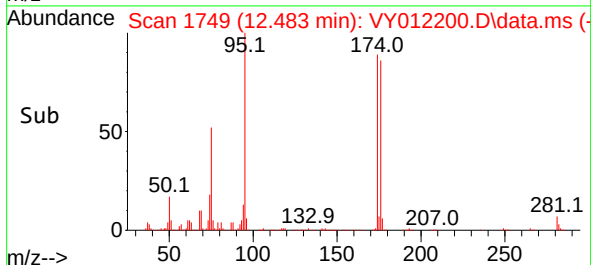
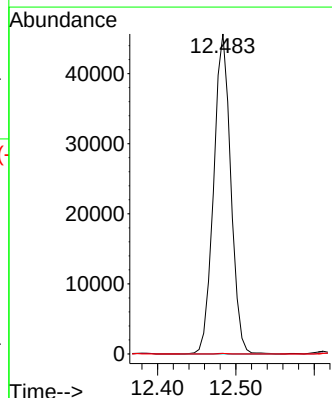
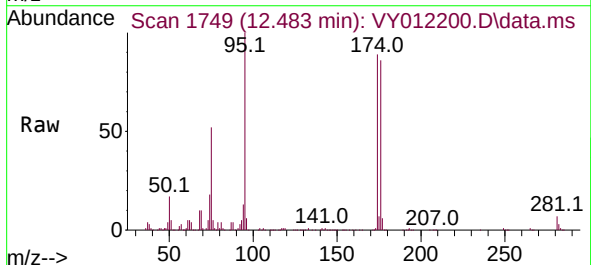
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

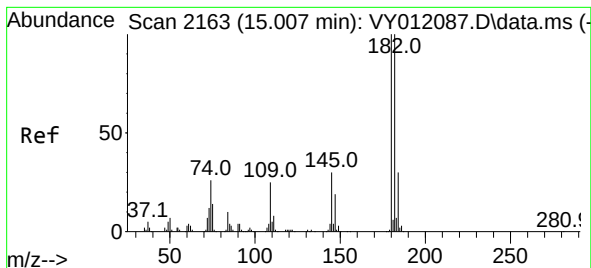
Tgt Ion: 75 Resp: 69255
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.072 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012200.D
Acq: 16 Jan 2023 14:58

Tgt Ion: 75 Resp: 69255
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.1 37.0 55.4#





#93

1,2,4-Trichlorobenzene

Concen: 1.735 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY012200.D

Acq: 16 Jan 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

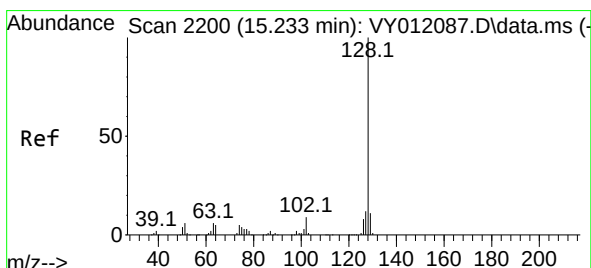
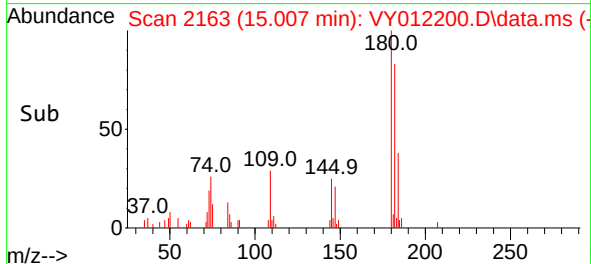
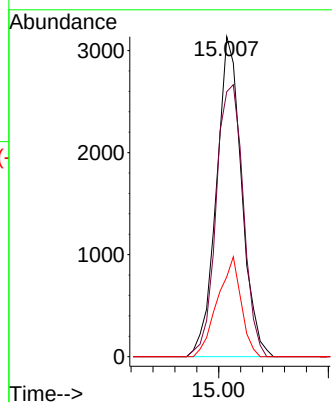
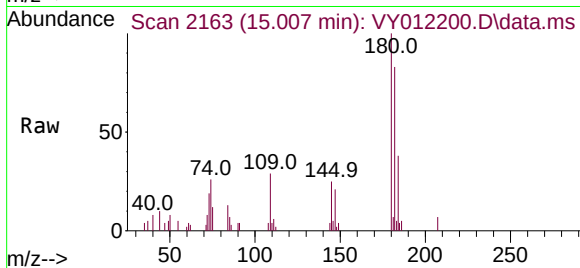
Tgt Ion:180 Resp: 5007

Ion Ratio Lower Upper

180 100

182 91.5 48.1 144.3

145 29.2 15.4 46.4



#95

Naphthalene

Concen: 2.447 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY012200.D

Acq: 16 Jan 2023 14:58

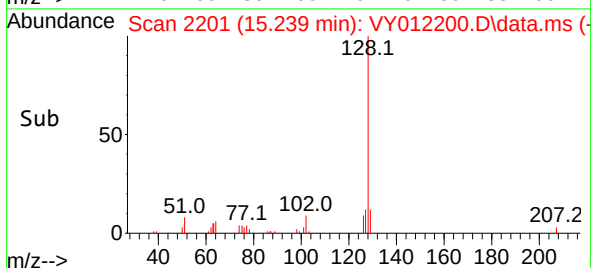
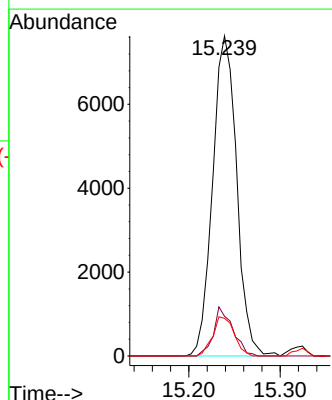
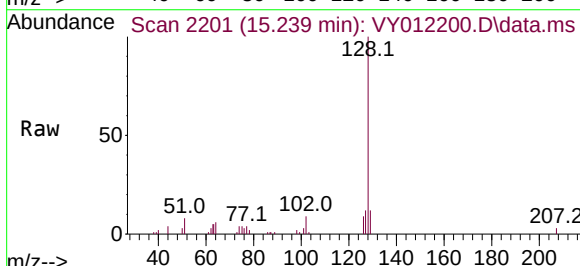
Tgt Ion:128 Resp: 13939

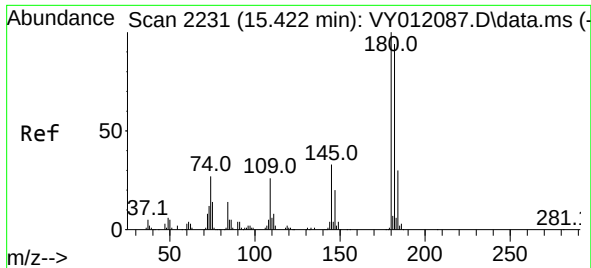
Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.2

129 10.9 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 2.234 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY012200.D
 Acq: 16 Jan 2023 14:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:	180	Resp:	5550
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	32.6	16.1	48.2

