

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033021\
 Data File : VY004231.D
 Acq On : 30 Mar 2021 14:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IBLK

Quant Time: Mar 31 01:45:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

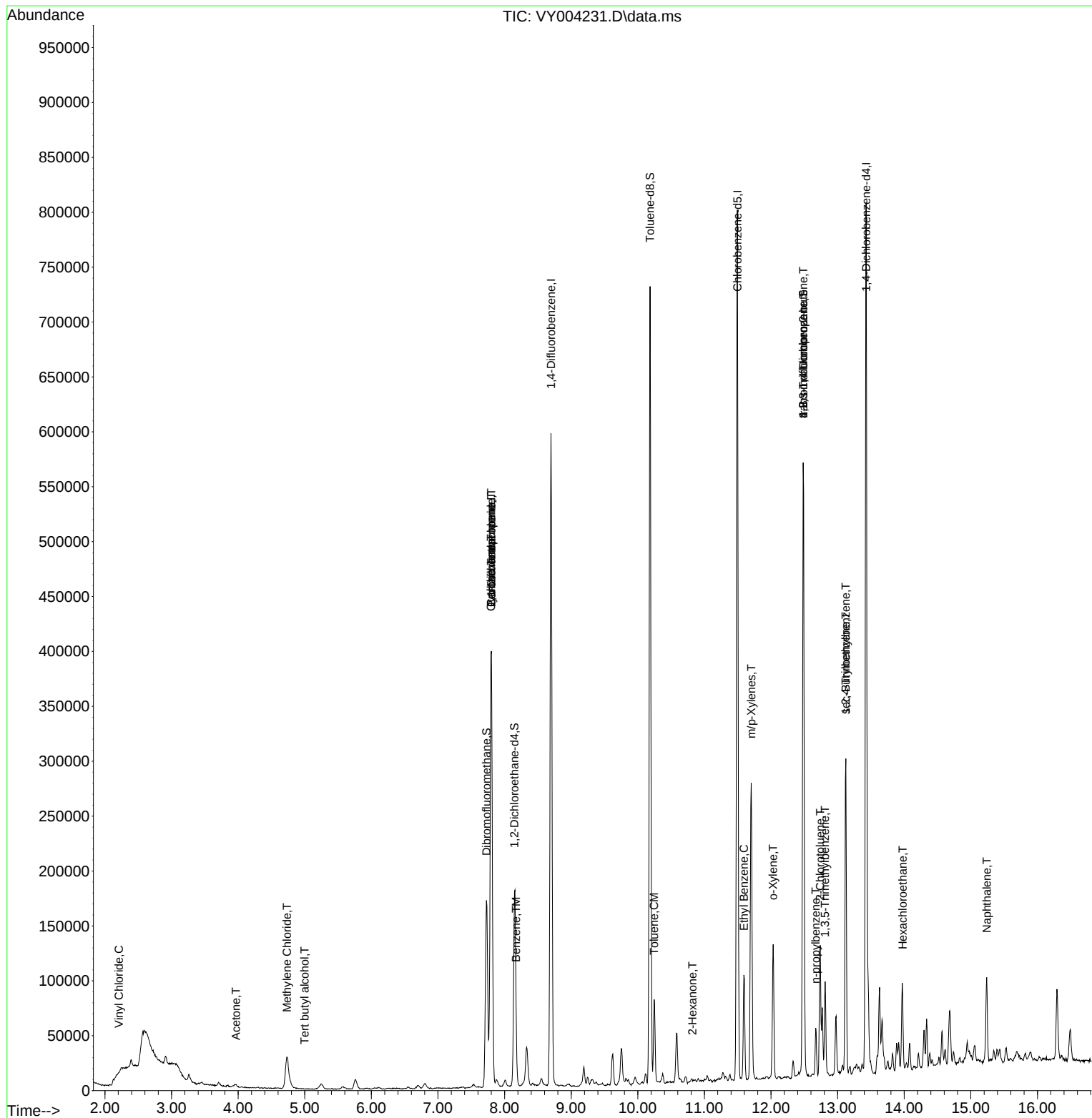
Internal Standards						
1) Pentafluorobenzene	7.801	168	316233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	497655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	428787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	195307	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	135716	44.64	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.28%		
35) Dibromofluoromethane	7.728	113	122613	44.22	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.44%		
50) Toluene-d8	10.185	98	460938	44.20	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.40%		
62) 4-Bromofluorobenzene	12.483	95	159576	44.64	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.28%		
Target Compounds					Qvalue	
4) Vinyl Chloride	2.211	62	7203	1.75	ug/l #	42
11) Tert butyl alcohol	4.997	59	370	1.50	ug/l #	71
13) Acrolein	3.741	56	915	Below Cal	#	15
16) Acetone	3.967	43	4340	6.85	ug/l #	84
20) Methylene Chloride	4.735	84	21362	4.59	ug/l	93
31) Cyclohexane	7.795	56	9696	1.80	ug/l #	36
36) 1,1-Dichloropropene	7.801	75	23769	5.23	ug/l #	50
38) Carbon Tetrachloride	7.801	117	31476	7.97	ug/l #	16
40) Benzene	8.173	78	16071	1.25	ug/l	95
49) 1,4-Dioxane	9.307	88	4281	Below Cal	#	91
52) Toluene	10.246	92	31263	3.78	ug/l	99
59) 2-Hexanone	10.819	43	2463	1.39	ug/l #	40
67) Ethyl Benzene	11.593	91	64988	4.18	ug/l	99
68) m/p-Xylenes	11.703	106	81507	13.67	ug/l	99
69) o-Xylene	12.032	106	32002	5.74	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	83848	47.28	ug/l #	100
78) n-propylbenzene	12.672	91	32687	1.98	ug/l	99
79) 2-Chlorotoluene	12.739	91	9176	1.01	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.812	105	38668	3.32	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	83848	87.14	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.123	105	150292	12.87	ug/l	99
85) sec-Butylbenzene	13.123	105	150292	10.85	ug/l #	55
90) Hexachloroethane	13.977	117	2615	9.24	ug/l #	12
95) Naphthalene	15.239	128	59318	7.03	ug/l	98

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

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ClientSampled :
IBLK

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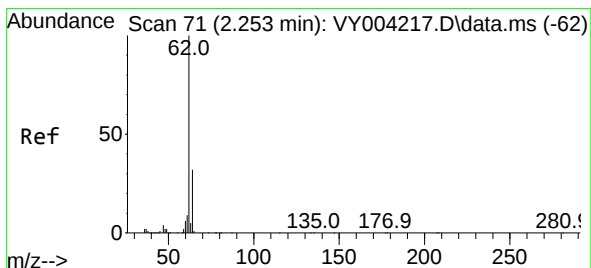
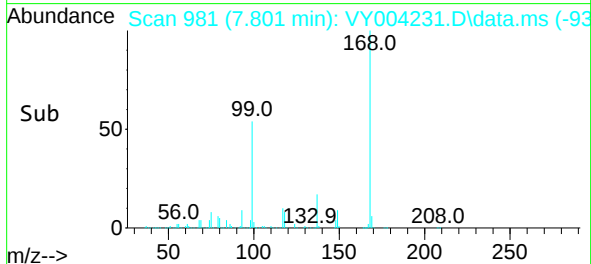
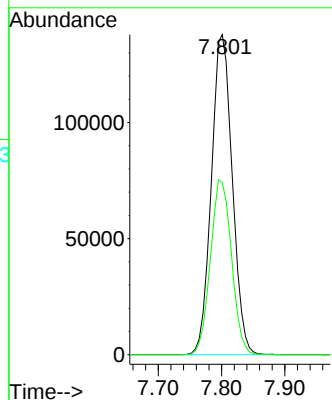
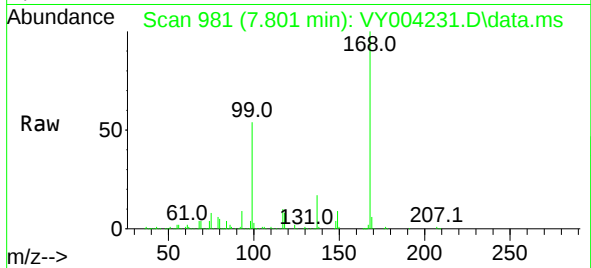




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

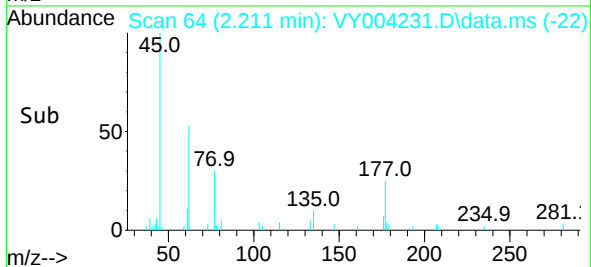
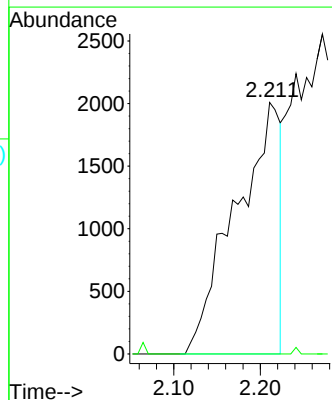
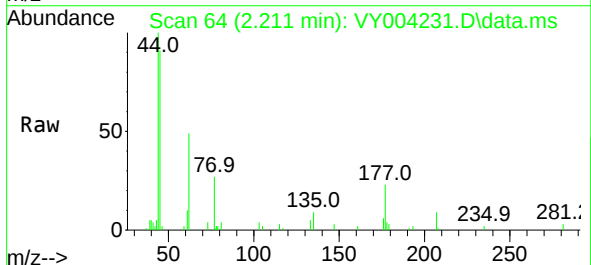
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

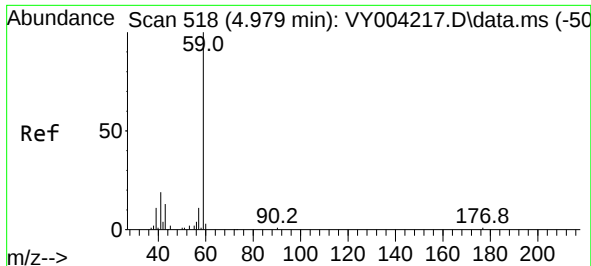
Tgt Ion:168 Resp: 316233
Ion Ratio Lower Upper
168 100
99 53.8 42.6 64.0



#4
Vinyl Chloride
Concen: 1.75 ug/l
RT: 2.211 min Scan# 64
Delta R.T. -0.043 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Tgt Ion: 62 Resp: 7203
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#



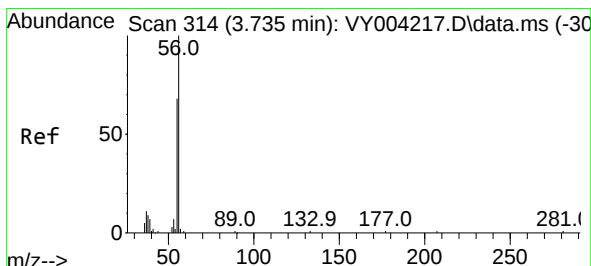
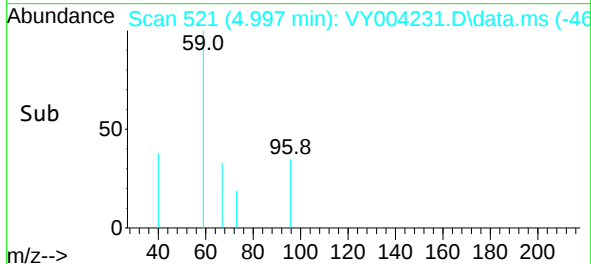
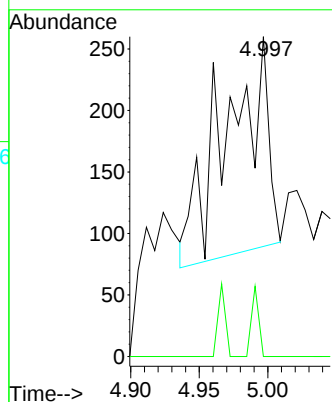
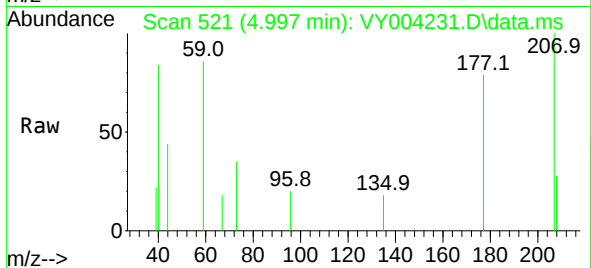


#11

Tert butyl alcohol
Concen: 1.50 ug/l
RT: 4.997 min Scan# 521
Delta R.T. 0.018 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Instrument :
MSVOA_Y
ClientSampled :
IBLK

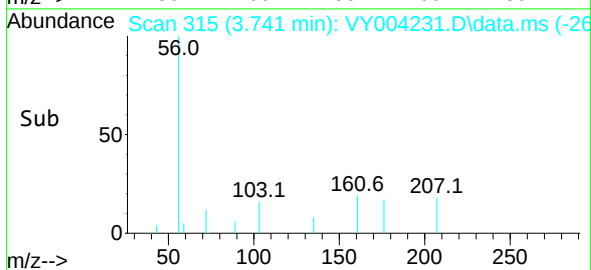
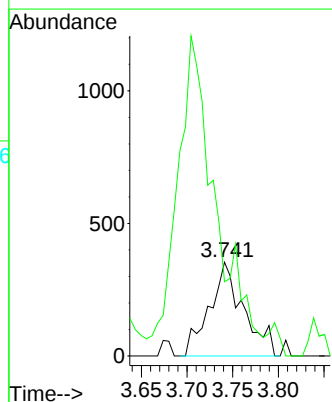
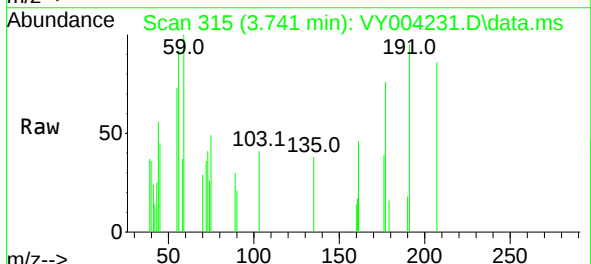
Tgt Ion: 59 Resp: 370
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

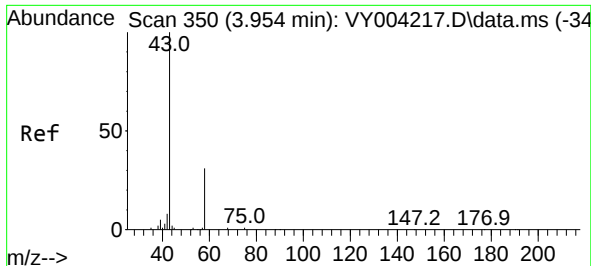


#13

Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Tgt Ion: 56 Resp: 915
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#

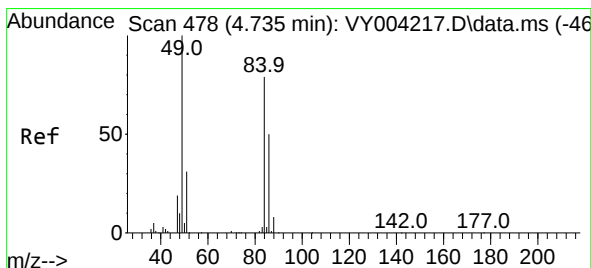
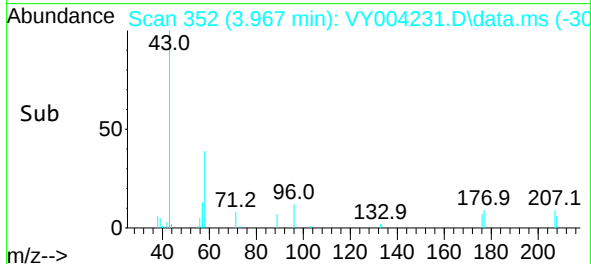
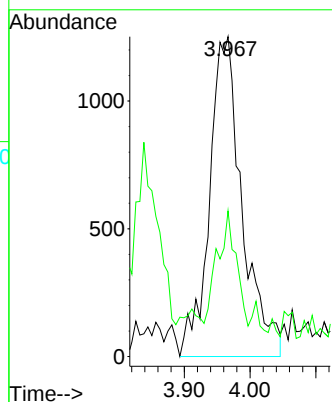
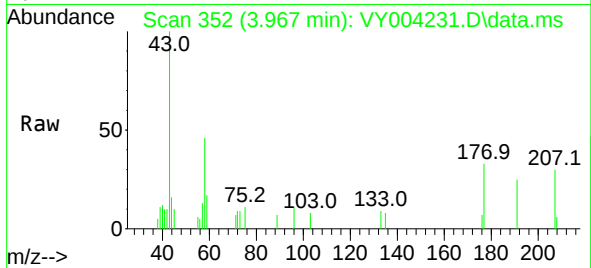




#16
Acetone
Concen: 6.85 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

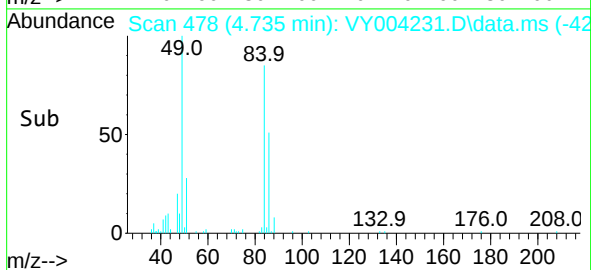
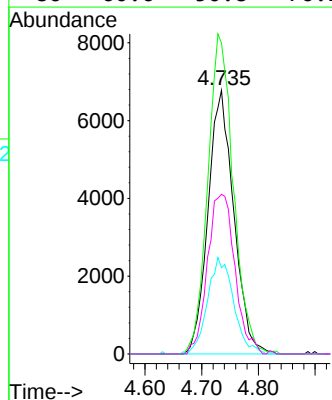
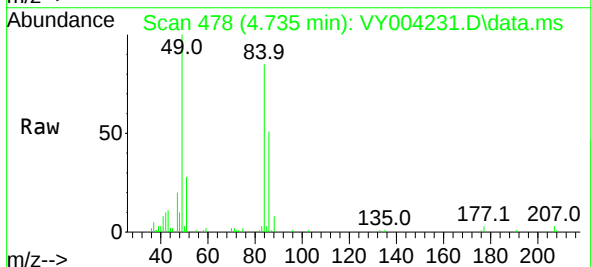
Instrument :
MSVOA_Y
ClientSampled :
IBLK

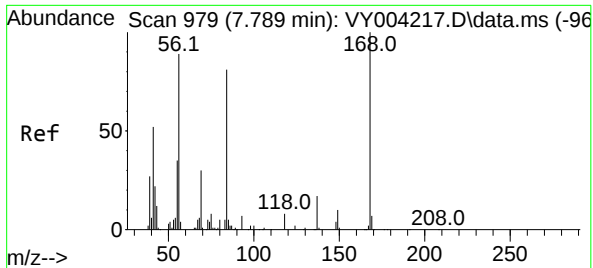
Tgt Ion: 43 Resp: 4340
Ion Ratio Lower Upper
43 100
58 39.4 24.5 36.7#



#20
Methylene Chloride
Concen: 4.59 ug/l
RT: 4.735 min Scan# 478
Delta R.T. -0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Tgt Ion: 84 Resp: 21362
Ion Ratio Lower Upper
84 100
49 117.9 101.5 152.3
51 32.7 31.5 47.3
86 60.6 50.8 76.2

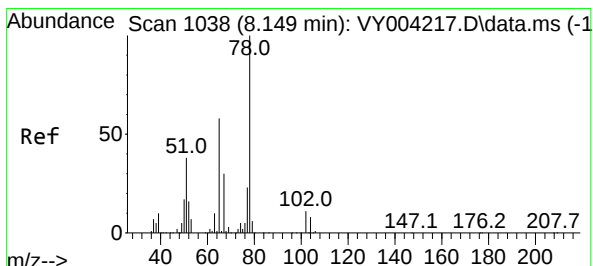
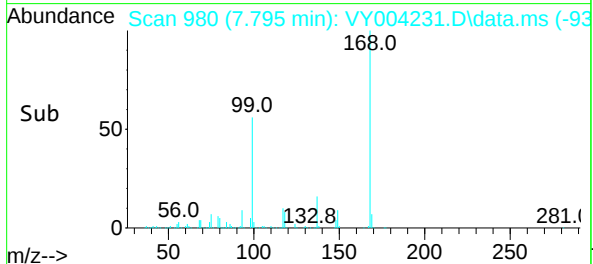
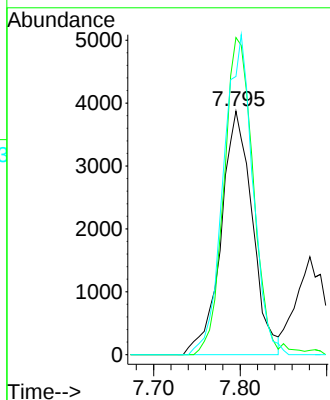
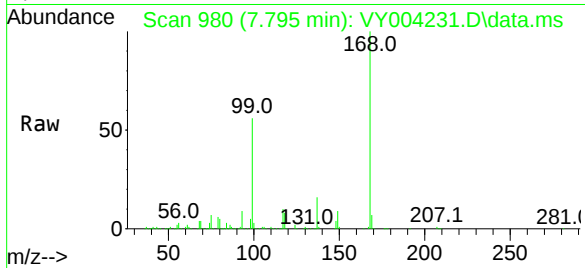




#31
Cyclohexane
Concen: 1.80 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

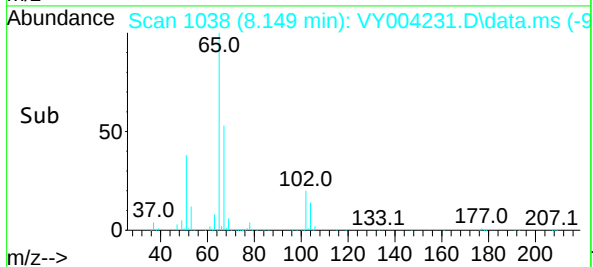
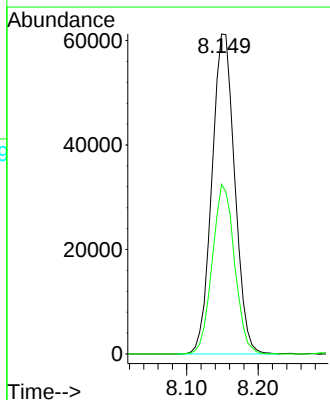
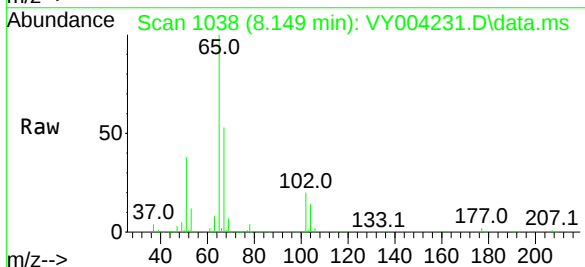
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

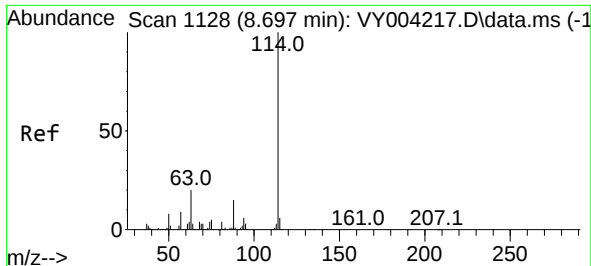
Tgt Ion: 56 Resp: 9696
Ion Ratio Lower Upper
56 100
69 130.2 26.6 40.0#
84 114.3 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 44.64 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Tgt Ion: 65 Resp: 135716
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY004231.D

Acq: 30 Mar 2021 14:03

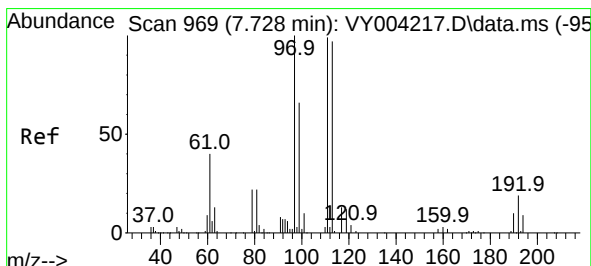
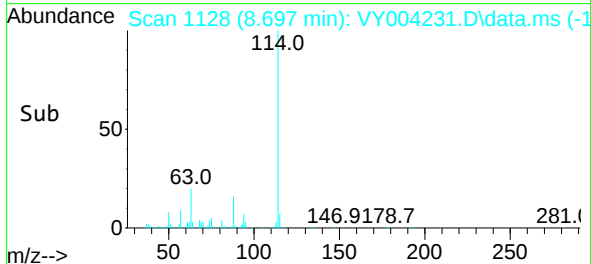
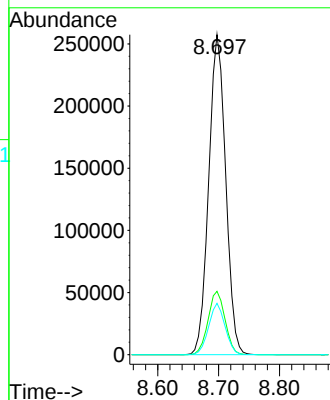
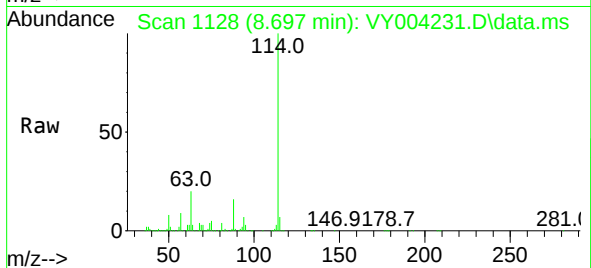
Tgt Ion:114 Resp: 497655

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.4

88 16.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 44.22 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY004231.D

Acq: 30 Mar 2021 14:03

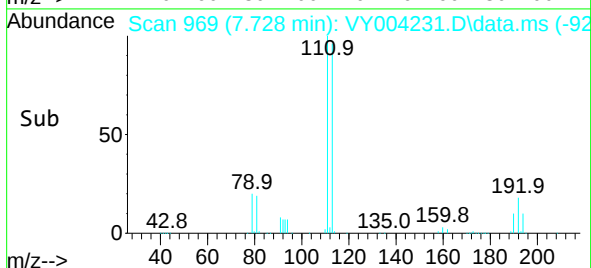
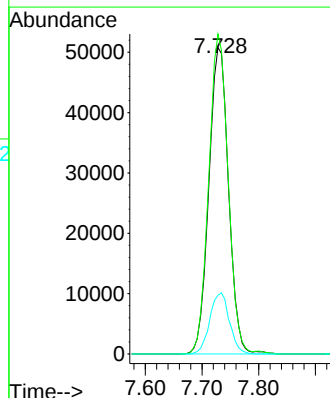
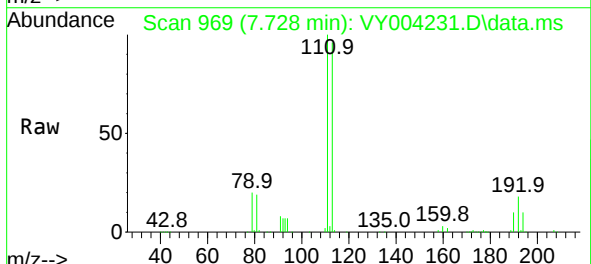
Tgt Ion:113 Resp: 122613

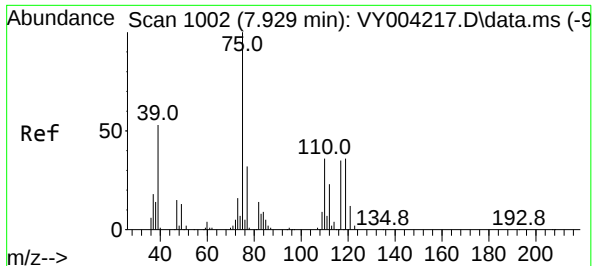
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.8 16.4 24.6

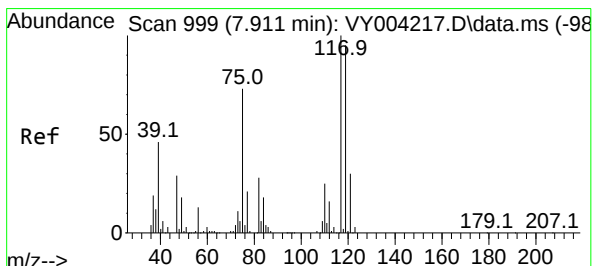
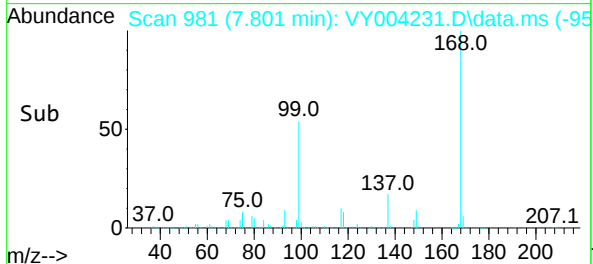
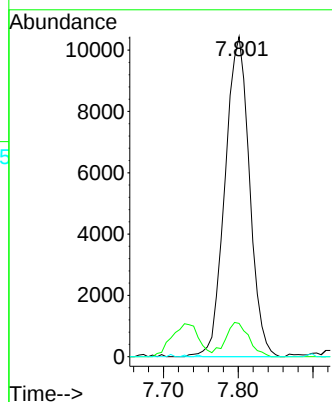
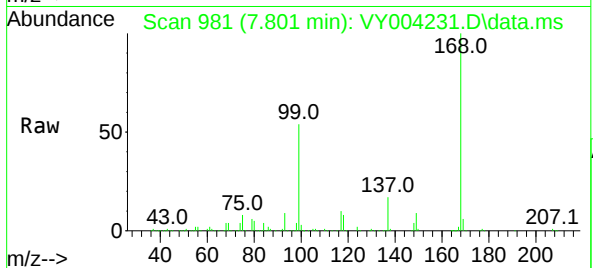




#36
1,1-Dichloropropene
Concen: 5.23 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

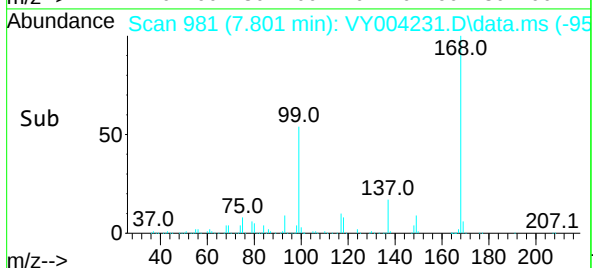
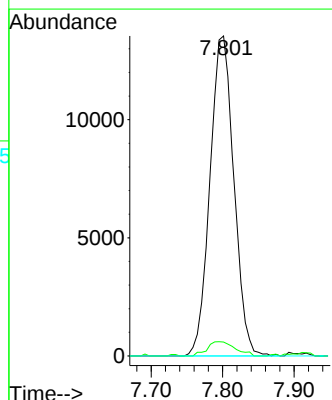
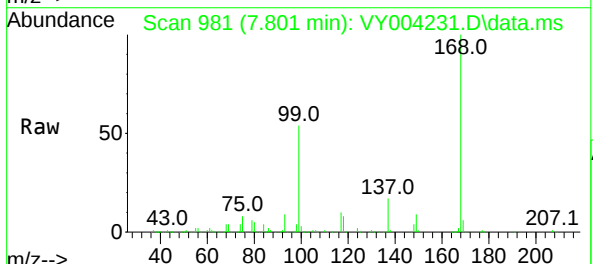
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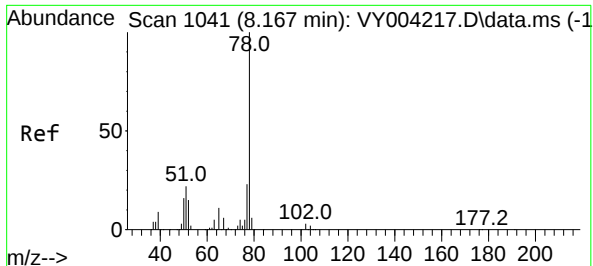
Tgt Ion: 75 Resp: 23769
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.3#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 7.97 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Tgt Ion: 117 Resp: 31476
Ion Ratio Lower Upper
117 100
119 4.4 75.6 113.4#
121 0.0 24.3 36.5#

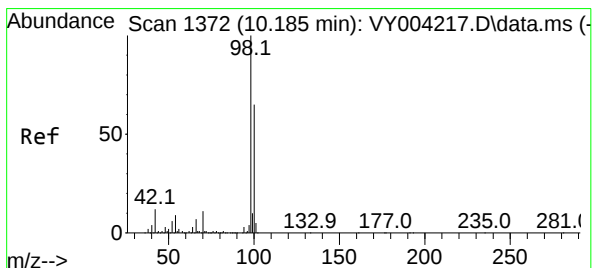
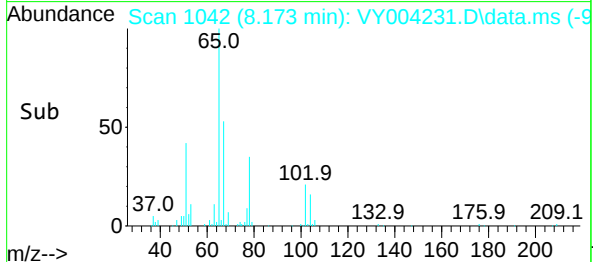
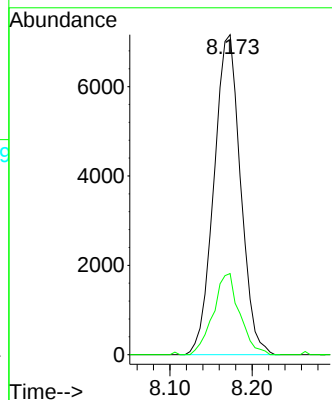
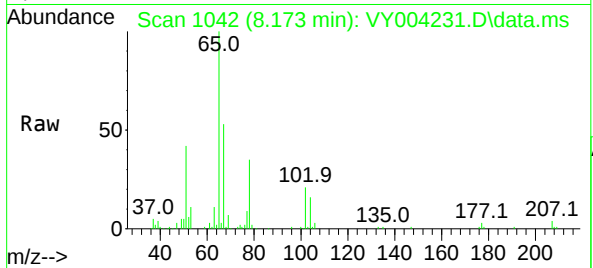




#40
Benzene
Concen: 1.25 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

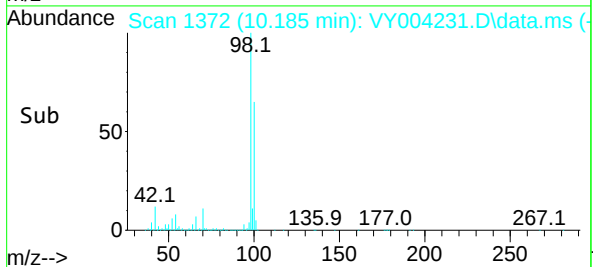
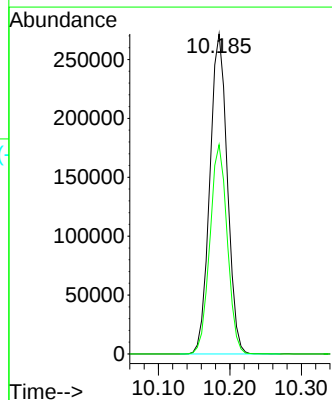
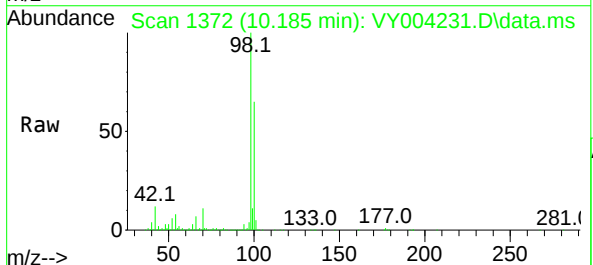
Instrument :
MSVOA_Y
ClientSampled :
IBLK

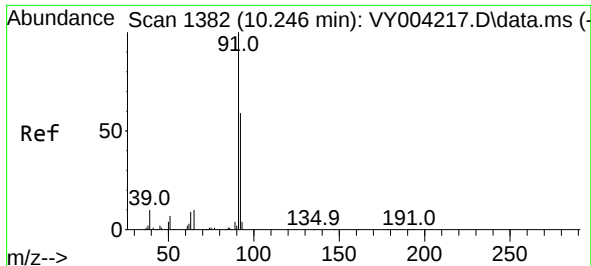
Tgt Ion: 78 Resp: 16071
Ion Ratio Lower Upper
78 100
77 25.3 18.3 27.5



#50
Toluene-d8
Concen: 44.20 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Tgt Ion: 98 Resp: 460938
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7

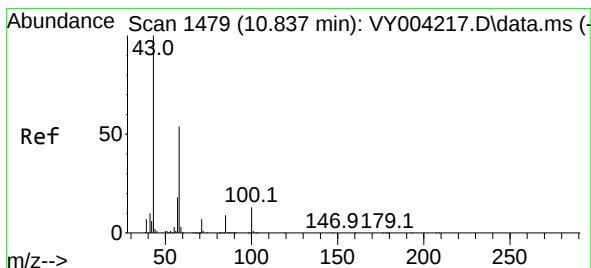
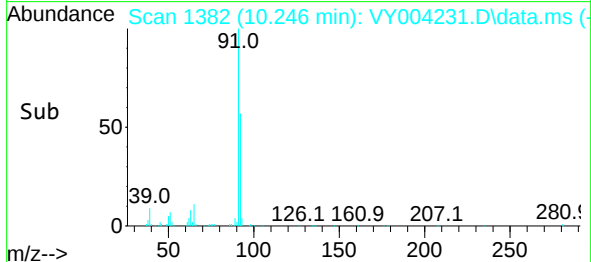
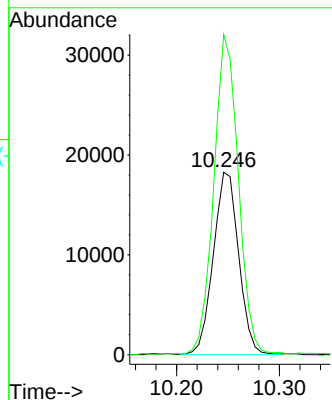
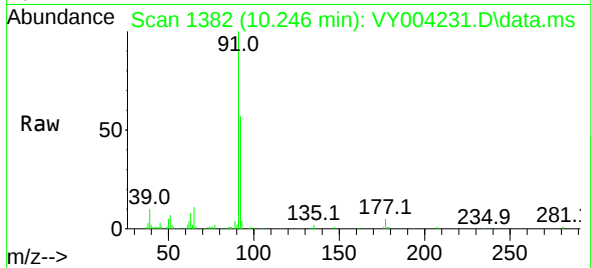




#52
Toluene
Concen: 3.78 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

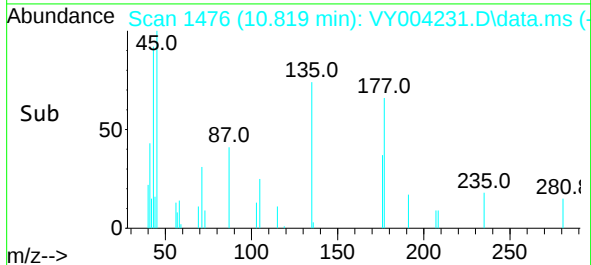
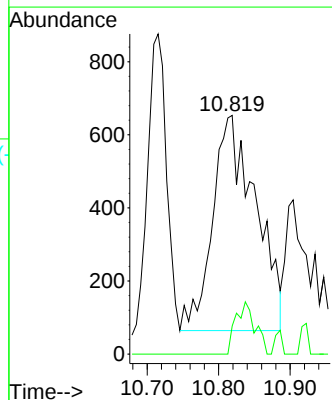
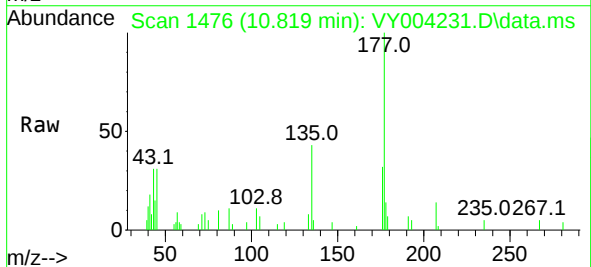
Instrument :
MSVOA_Y
ClientSampled :
IBLK

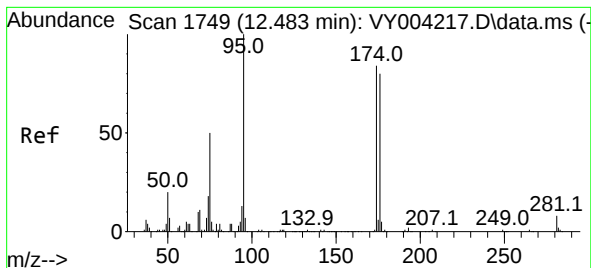
Tgt Ion: 92 Resp: 31263
Ion Ratio Lower Upper
92 100
91 171.3 136.0 204.0



#59
2-Hexanone
Concen: 1.39 ug/l
RT: 10.819 min Scan# 1476
Delta R.T. -0.018 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Tgt Ion: 43 Resp: 2463
Ion Ratio Lower Upper
43 100
58 11.0 26.7 80.1#

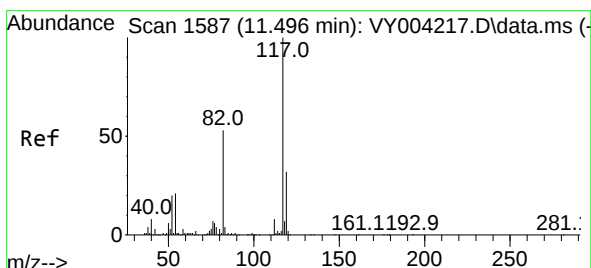
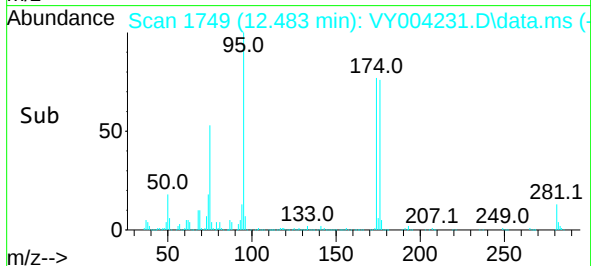
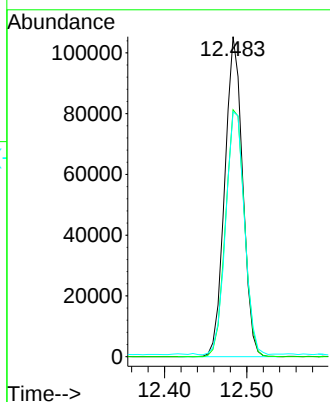
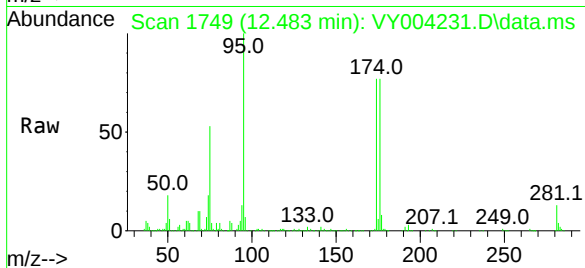




#62
4-Bromofluorobenzene
Concen: 44.64 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

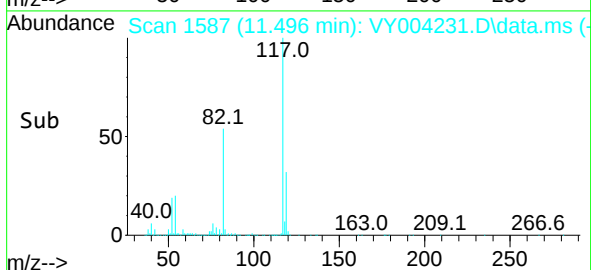
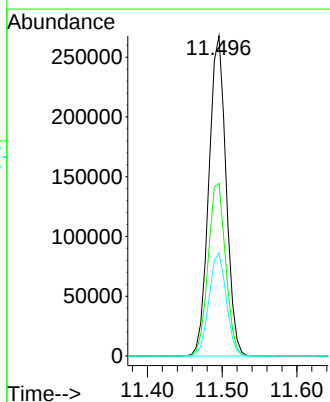
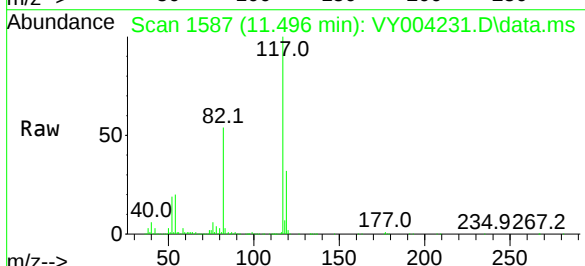
Instrument :
MSVOA_Y
ClientSampled :
IBLK

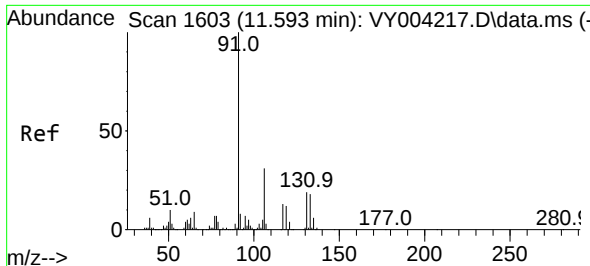
Tgt Ion: 95 Resp: 159576
Ion Ratio Lower Upper
95 100
174 81.1 0.0 171.4
176 79.6 0.0 165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Tgt Ion: 117 Resp: 428787
Ion Ratio Lower Upper
117 100
82 53.9 42.7 64.1
119 32.1 25.7 38.5

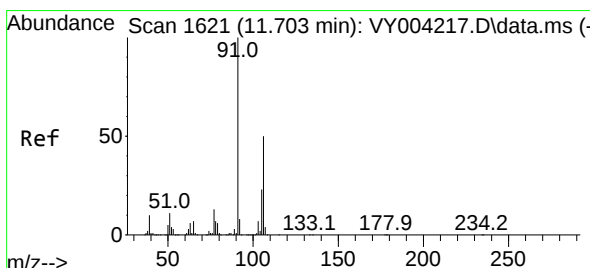
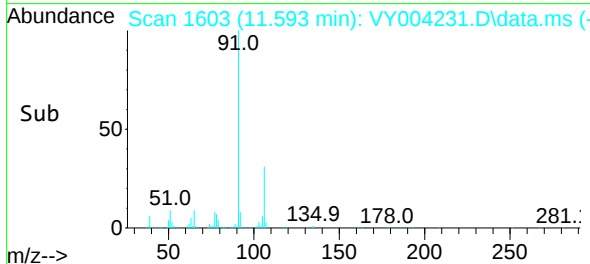
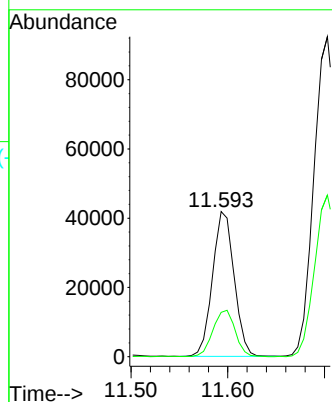
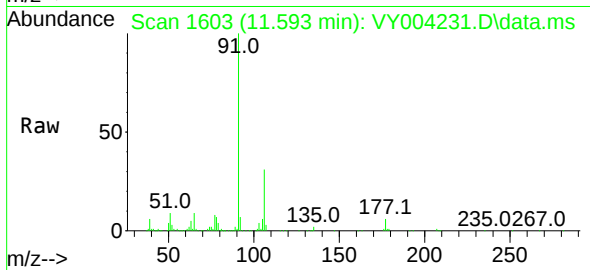




#67
Ethyl Benzene
Concen: 4.18 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

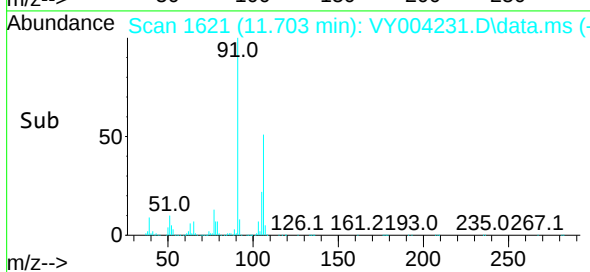
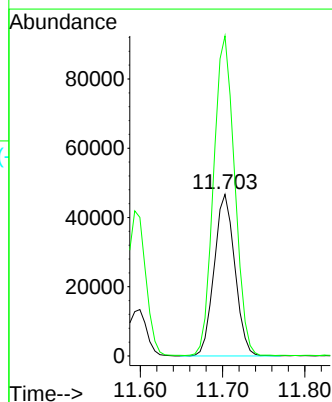
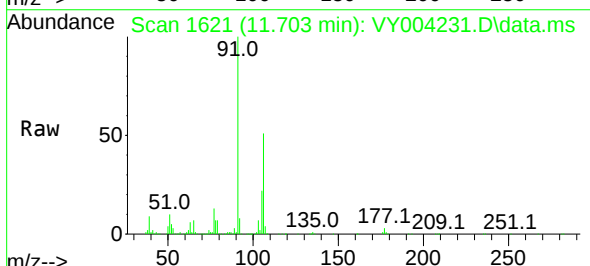
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

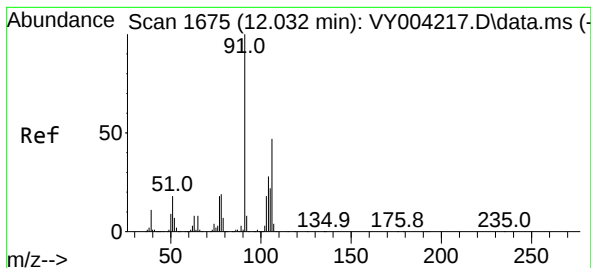
Tgt Ion: 91 Resp: 64988
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.6



#68
m/p-Xylenes
Concen: 13.67 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Tgt Ion: 106 Resp: 81507
Ion Ratio Lower Upper
106 100
91 201.5 159.8 239.6





#69

o-Xylene

Concen: 5.74 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VY004231.D

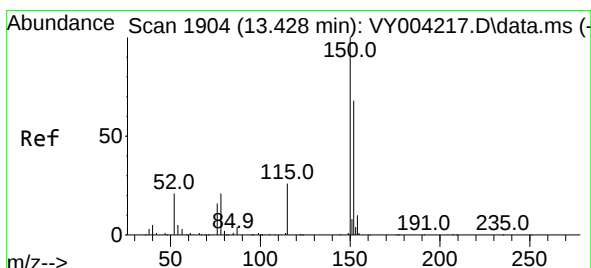
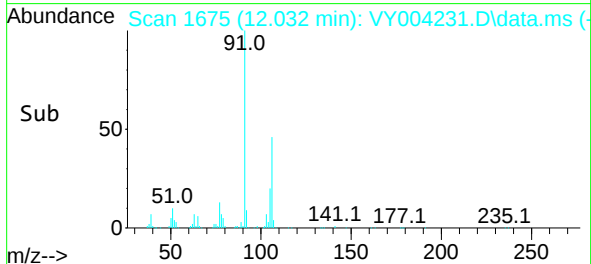
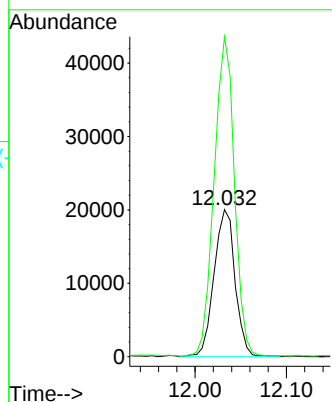
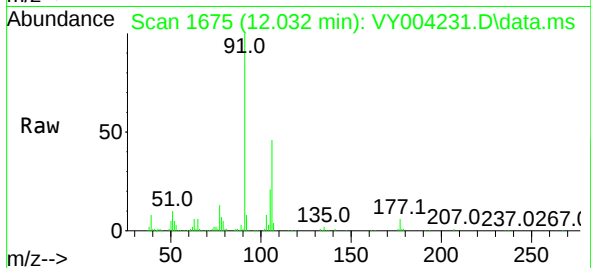
Acq: 30 Mar 2021 14:03

Tgt Ion:106 Resp: 32002

Ion Ratio Lower Upper

106 100

91 209.4 105.6 316.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY004231.D

Acq: 30 Mar 2021 14:03

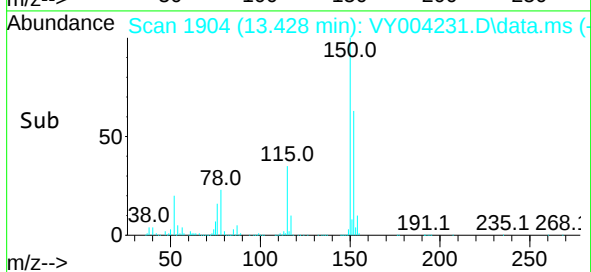
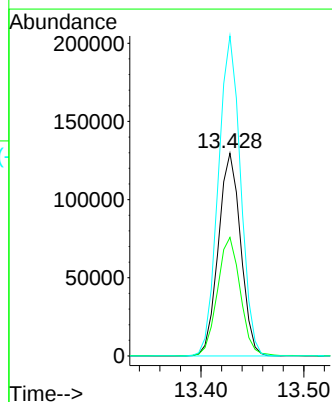
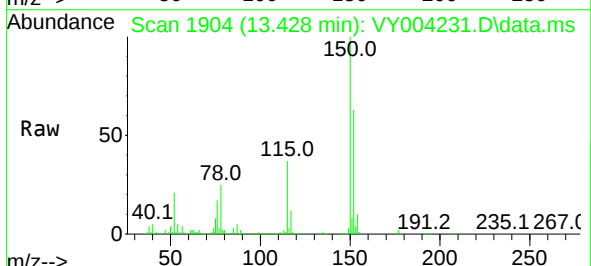
Tgt Ion:152 Resp: 195307

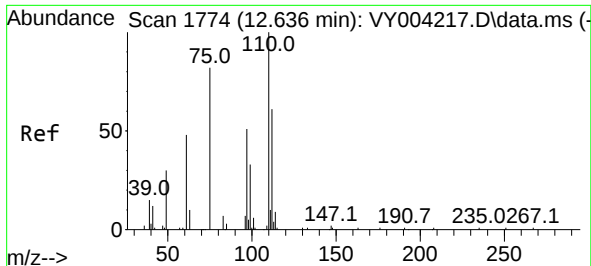
Ion Ratio Lower Upper

152 100

115 59.8 29.0 87.1

150 157.9 0.0 347.4

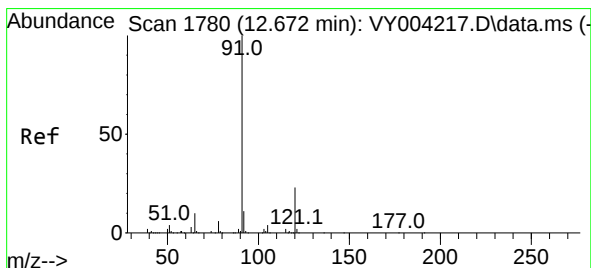
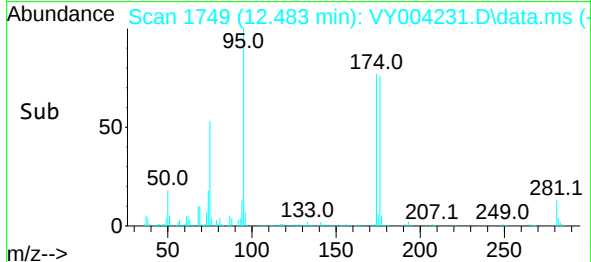
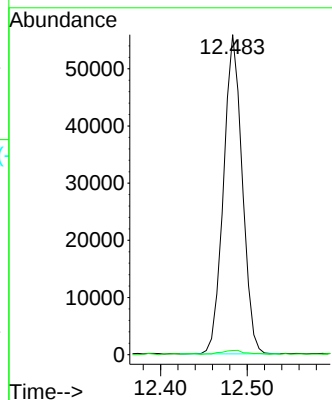
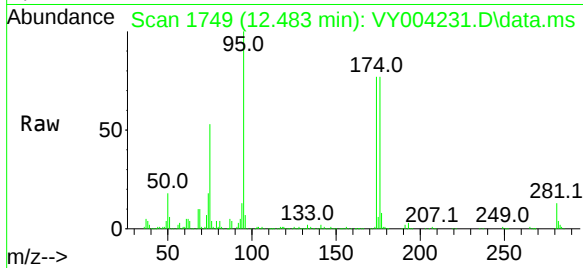




#76
1,2,3-Trichloropropane
Concen: 47.28 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

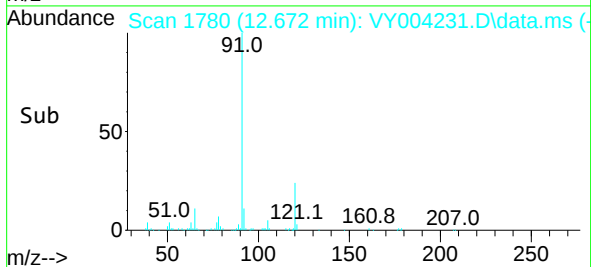
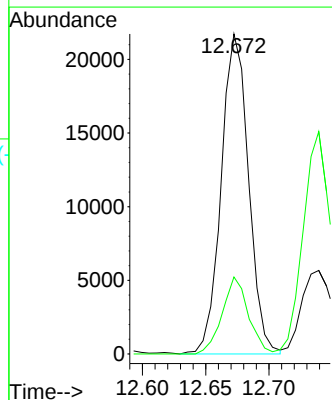
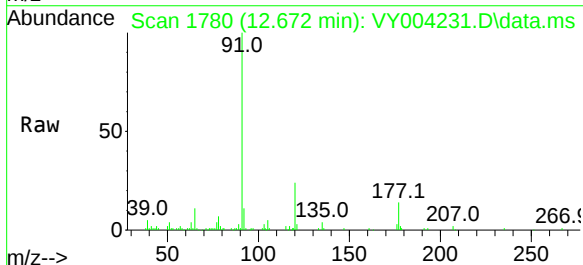
Instrument :
MSVOA_Y
ClientSampled :
IBLK

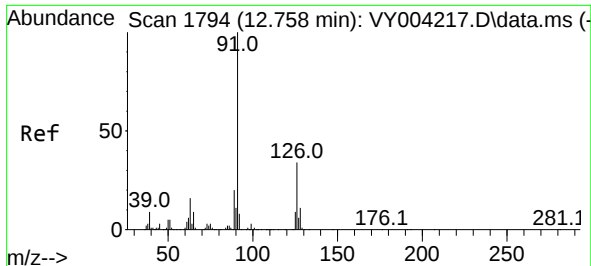
Tgt Ion: 75 Resp: 83848
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#78
n-propylbenzene
Concen: 1.98 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Tgt Ion: 91 Resp: 32687
Ion Ratio Lower Upper
91 100
120 23.0 11.9 35.5

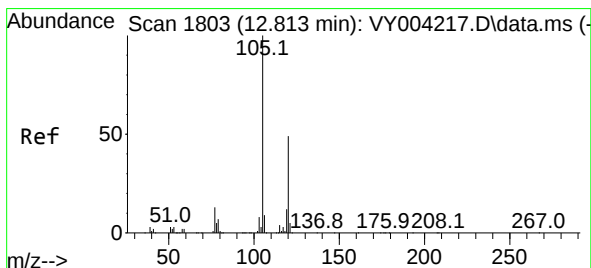
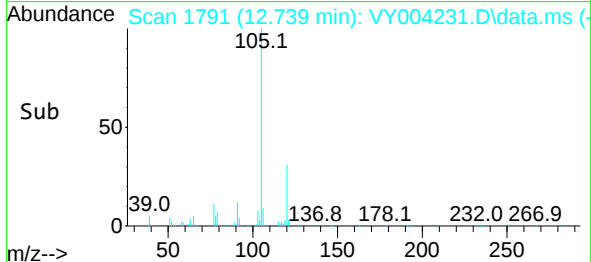
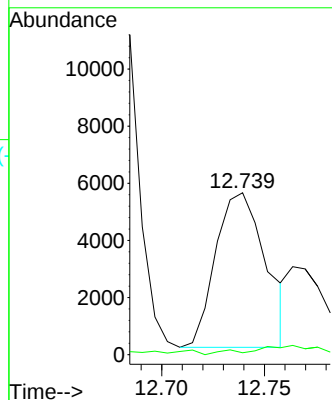
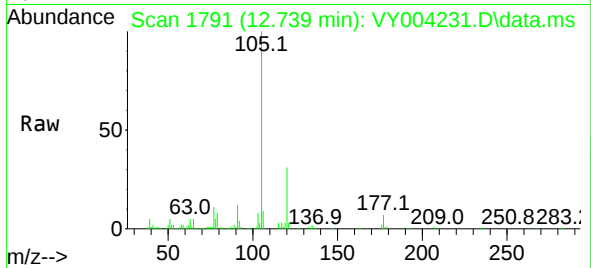




#79
2-Chlorotoluene
Concen: 1.01 ug/l
RT: 12.739 min Scan# 1791
Delta R.T. -0.018 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

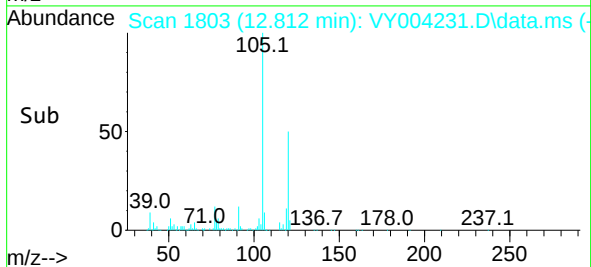
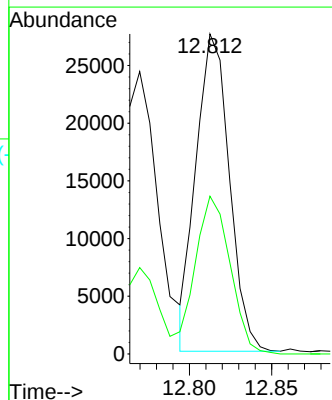
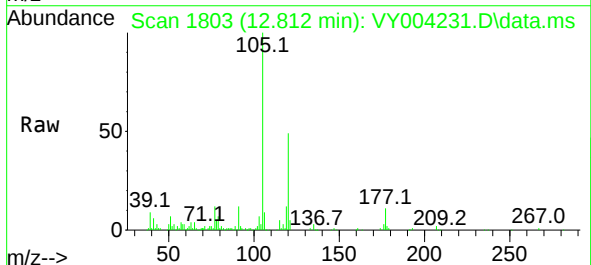
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

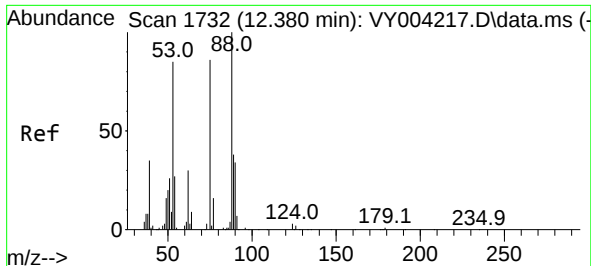
Tgt Ion: 91 Resp: 9176
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.6#



#80
1,3,5-Trimethylbenzene
Concen: 3.32 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Tgt Ion: 105 Resp: 38668
Ion Ratio Lower Upper
105 100
120 52.9 24.9 74.7

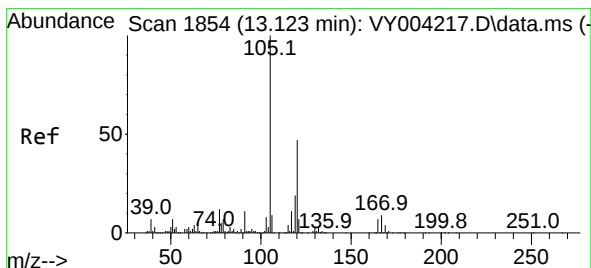
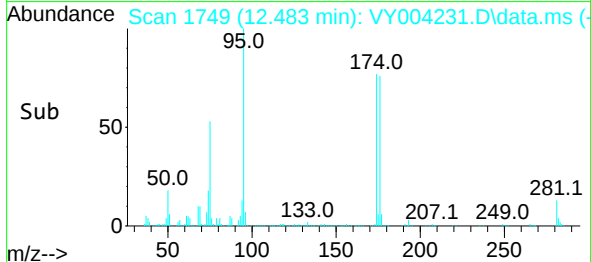
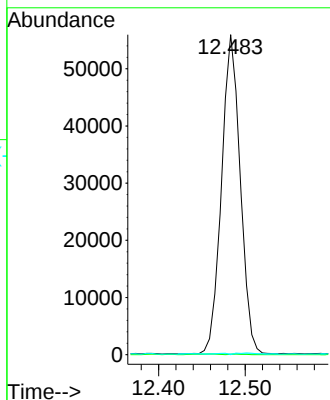
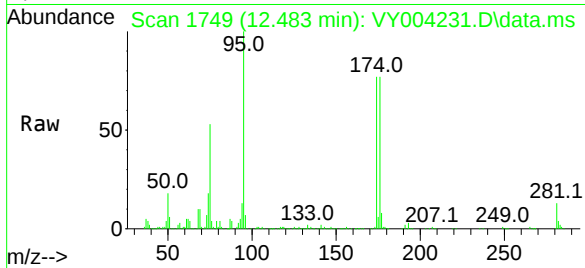




#81
trans-1,4-Dichloro-2-butene
Concen: 87.14 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

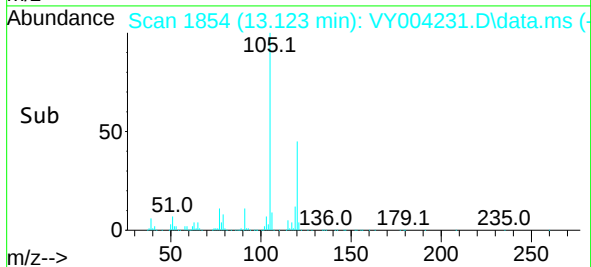
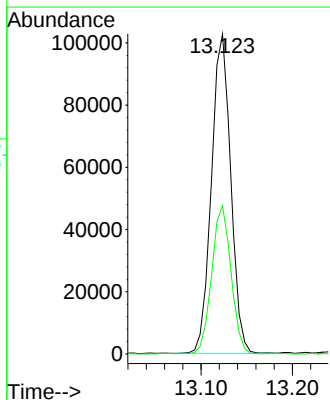
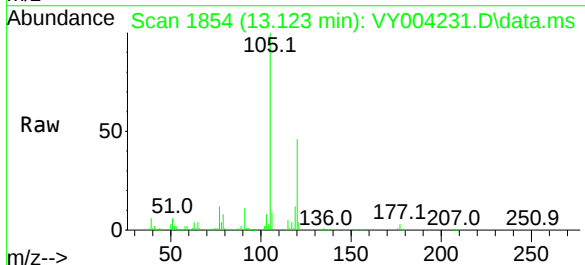
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

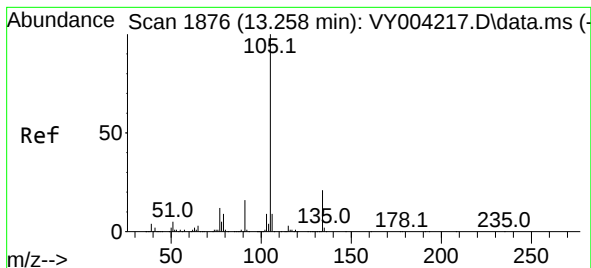
Tgt Ion: 75 Resp: 83848
Ion Ratio Lower Upper
75 100
53 0.1 79.3 118.9#
89 0.3 39.4 59.2#



#84
1,2,4-Trimethylbenzene
Concen: 12.87 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Tgt Ion: 105 Resp: 150292
Ion Ratio Lower Upper
105 100
120 46.2 22.9 68.7

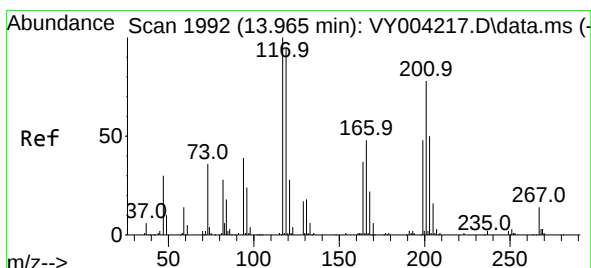
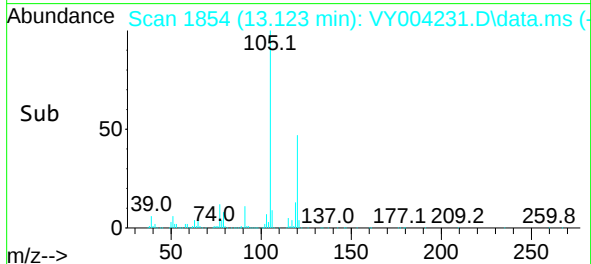
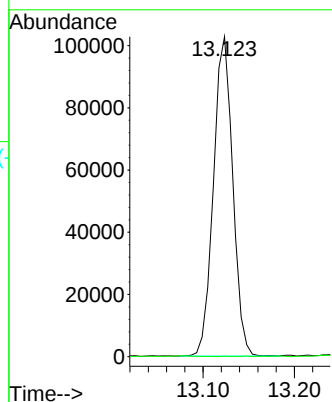
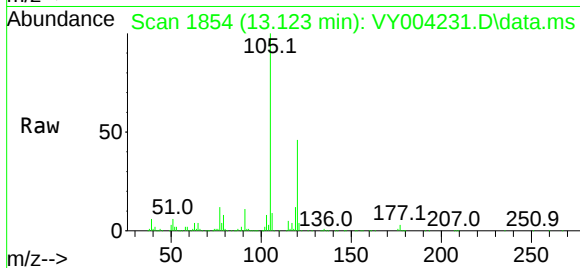




#85
 sec-Butylbenzene
 Concen: 10.85 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. -0.134 min
 Lab File: VY004231.D
 Acq: 30 Mar 2021 14:03

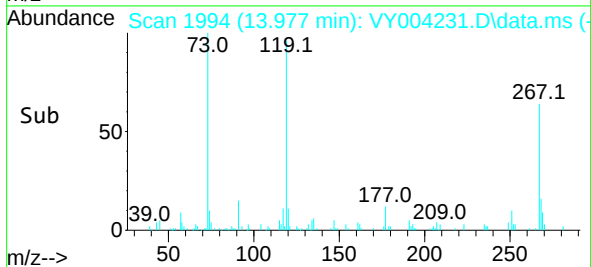
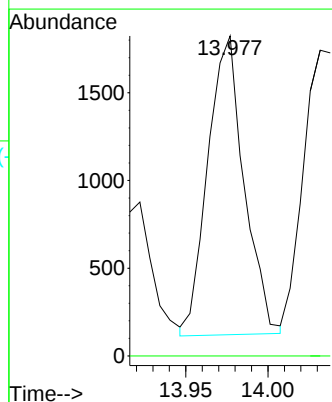
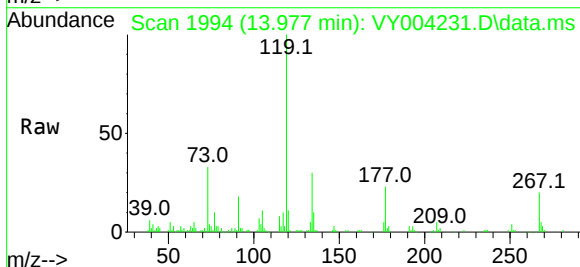
Instrument :
 MSVOA_Y
 ClientSampled :
 IBLK

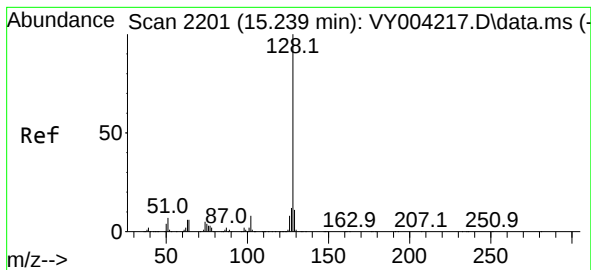
Tgt Ion:105 Resp: 150292
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.4#



#90
 Hexachloroethane
 Concen: 9.24 ug/l
 RT: 13.977 min Scan# 1994
 Delta R.T. 0.012 min
 Lab File: VY004231.D
 Acq: 30 Mar 2021 14:03

Tgt Ion:117 Resp: 2615
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.6 112.9#





#95
Naphthalene
Concen: 7.03 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004231.D
Acq: 30 Mar 2021 14:03

Instrument :
MSVOA_Y
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 59318
Ion Ratio Lower Upper
128 100
127 13.9 10.1 15.1
129 11.4 8.9 13.3

