

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021121\
 Data File : VY004006.D
 Acq On : 11 Feb 2021 17:10
 Operator : SY/MD
 Sample : M1363-05
 Misc : 3.05g/5mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 11 17:18:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 01 00:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	200442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	349964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	327750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	161735	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	132711	60.21	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.42%
35) Dibromofluoromethane	7.722	113	108823	53.18	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.36%
50) Toluene-d8	10.179	98	429663	53.51	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.02%
62) 4-Bromofluorobenzene	12.477	95	159408	54.46	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.92%

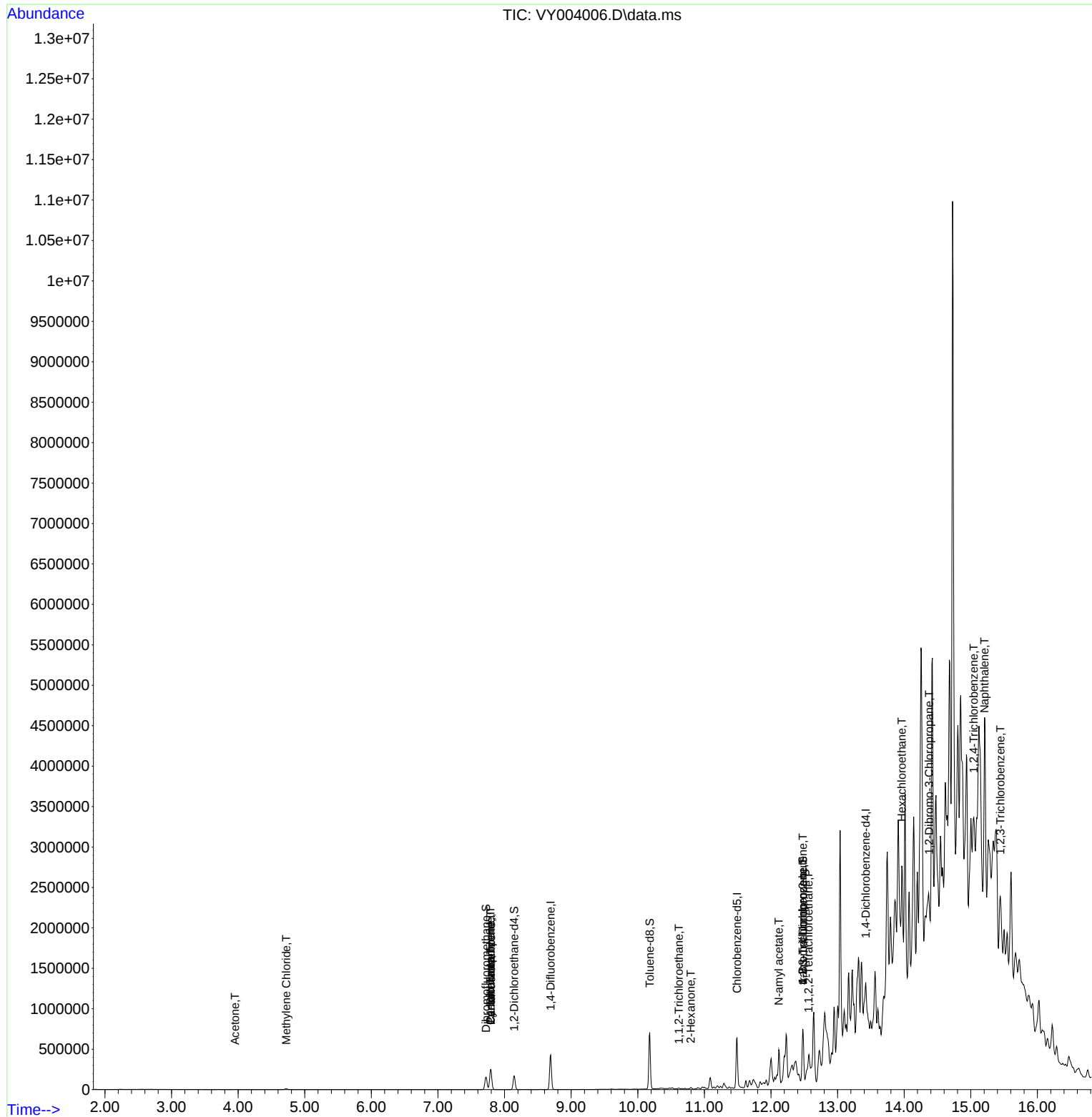
Target Compounds					Qvalue
11) Tert butyl alcohol	4.960	59	1040	Below Cal	# 77
16) Acetone	3.954	43	3543	6.55 ug/l	98
20) Methylene Chloride	4.723	84	6383	2.78 ug/l	96
31) Cyclohexane	7.789	56	4050	1.09 ug/l	# 2
36) 1,1-Dichloropropene	7.789	75	15391	4.35 ug/l	# 48
38) Carbon Tetrachloride	7.789	117	18732	4.90 ug/l	# 15
55) 1,1,2-Trichloroethane	10.618	97	4606	2.40 ug/l	# 19
59) 2-Hexanone	10.795	43	9317	6.68 ug/l	# 32
74) N-amyl acetate	12.118	43	107197	31.50 ug/l	# 61
75) 1,1,2,2-Tetrachloroethane	12.563	83	20802	9.91 ug/l	# 27
76) 1,2,3-Trichloropropane	12.477	75	80922	49.66 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	80922	94.92 ug/l	# 15
90) Hexachloroethane	13.965	117	2684	1.37 ug/l	# 4
92) 1,2-Dibromo-3-Chloropr...	14.373	75	845	1.95 ug/l	# 33
93) 1,2,4-Trichlorobenzene	15.044	180	18283	5.48 ug/l	# 1
95) Naphthalene	15.202	128	31578	5.05 ug/l	# 1
96) 1,2,3-Trichlorobenzene	15.446	180	31362	10.92 ug/l	# 12

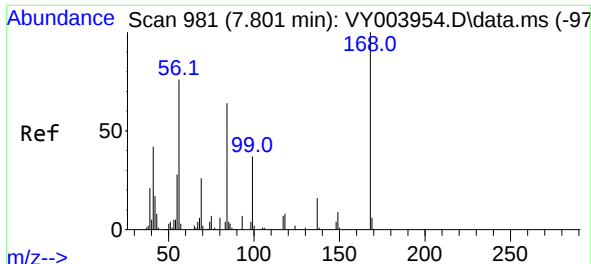
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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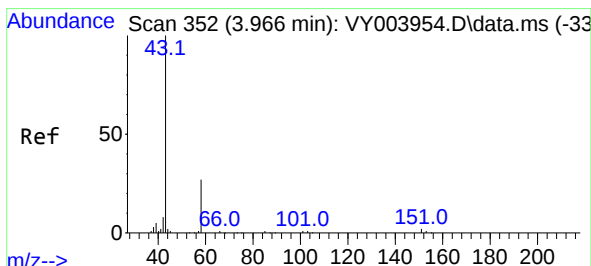
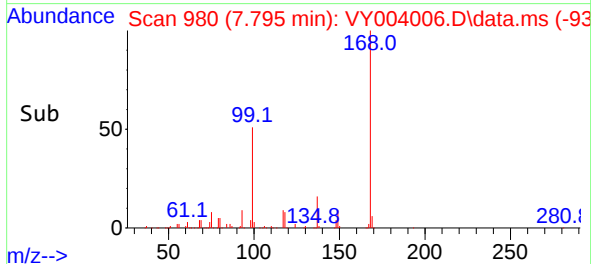
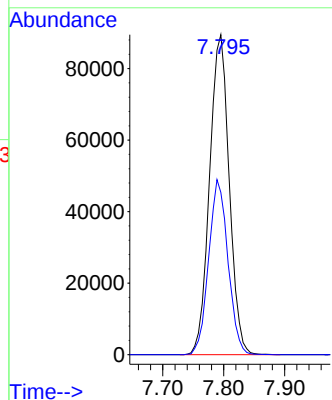
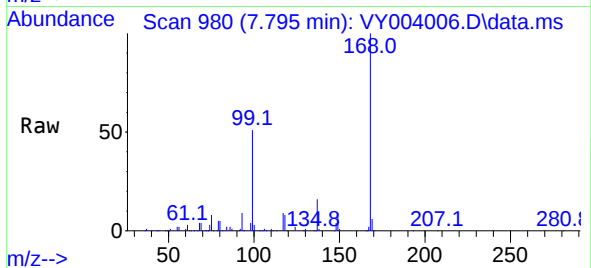




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

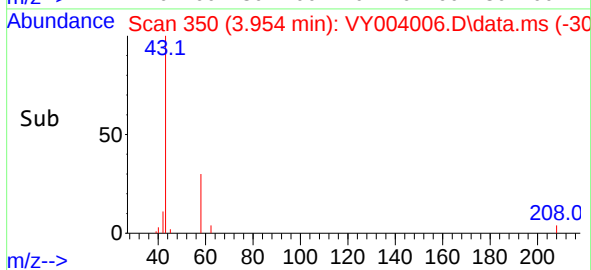
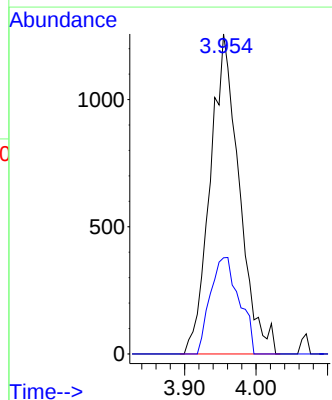
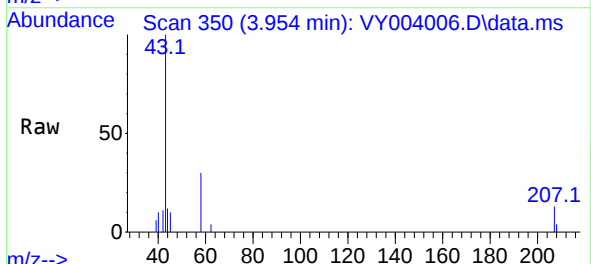
Instrument :
MSVOA_Y
ClientSampleId :

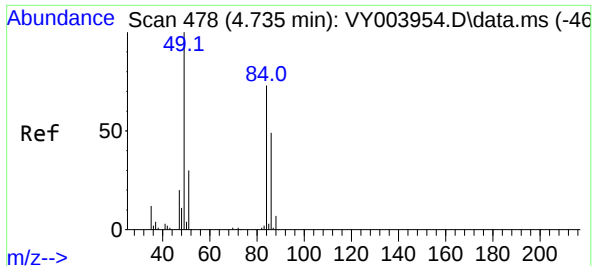
Tgt Ion:168 Resp: 200442
Ion Ratio Lower Upper
168 100
99 50.7 46.1 69.1



#16
Acetone
Concen: 6.55 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.012 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

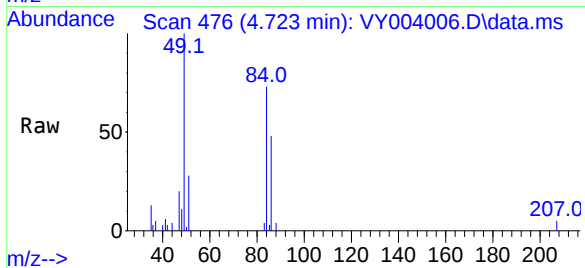
Tgt Ion: 43 Resp: 3543
Ion Ratio Lower Upper
43 100
58 30.0 23.4 35.0





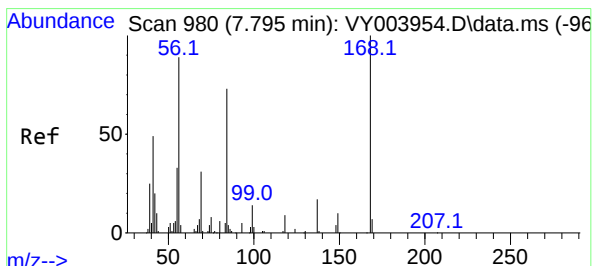
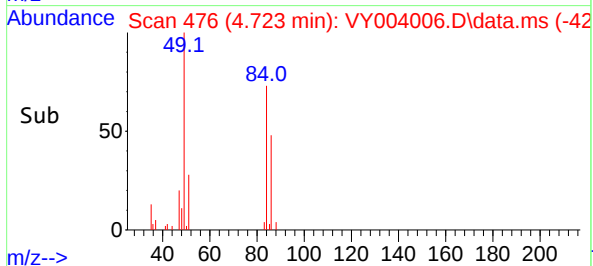
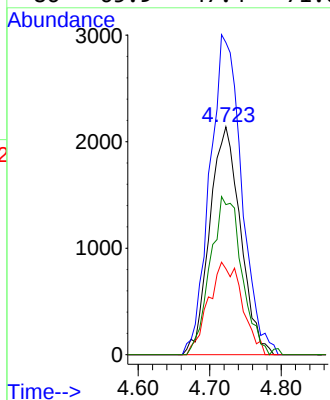
#20
Methylene Chloride
Concen: 2.78 ug/l
RT: 4.723 min Scan# 476
Delta R.T. -0.012 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

Instrument :
MSVOA_Y
ClientSampled :

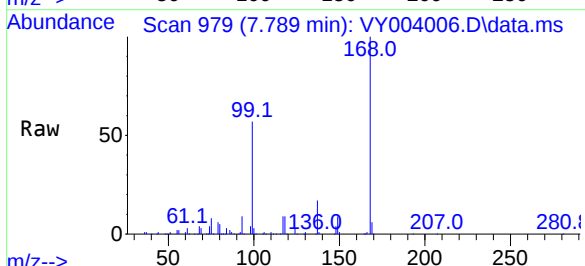


Tgt Ion: 84 Resp: 6383

Ion	Ratio	Lower	Upper
84	100		
49	137.0	107.0	160.4
51	37.7	31.9	47.9
86	65.9	47.4	71.0

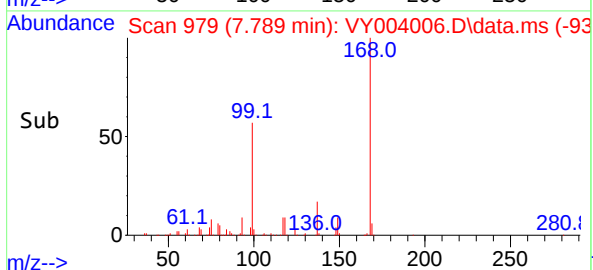
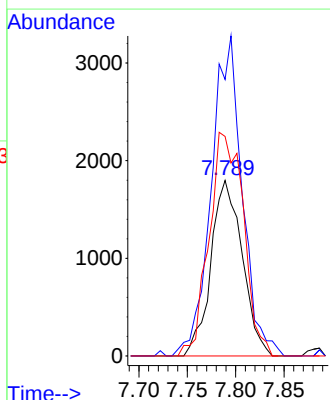


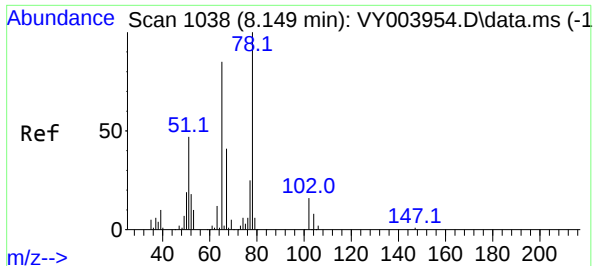
#31
Cyclohexane
Concen: 1.09 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10



Tgt Ion: 56 Resp: 4050

Ion	Ratio	Lower	Upper
56	100		
69	153.7	25.0	37.4#
84	125.0	64.5	96.7#

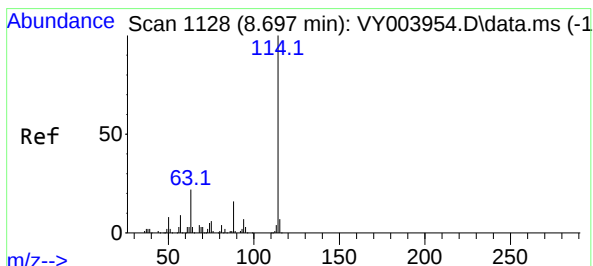
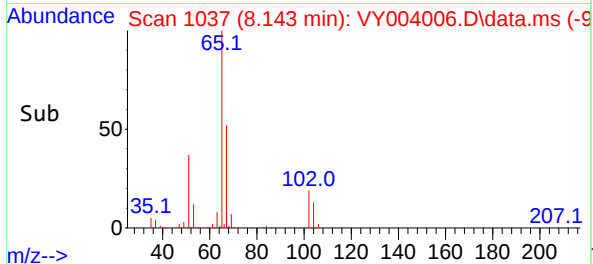
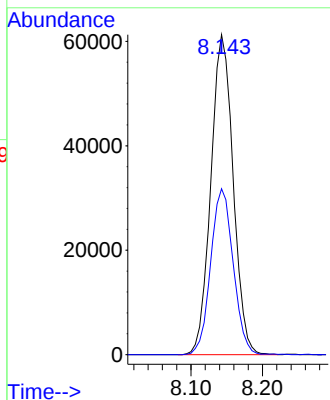
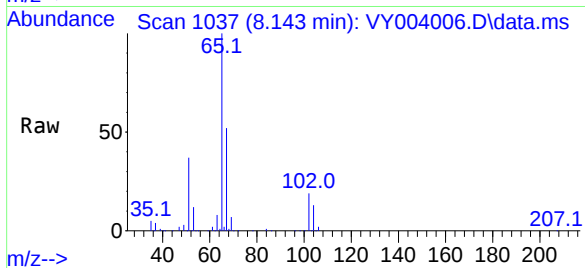




#33
1,2-Dichloroethane-d4
Concen: 60.21 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

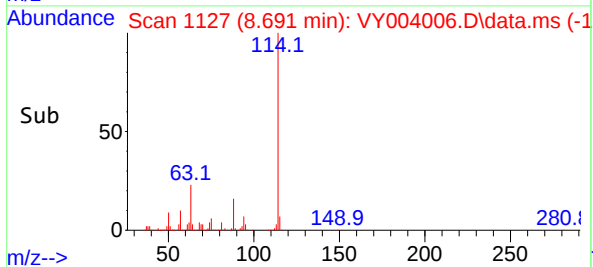
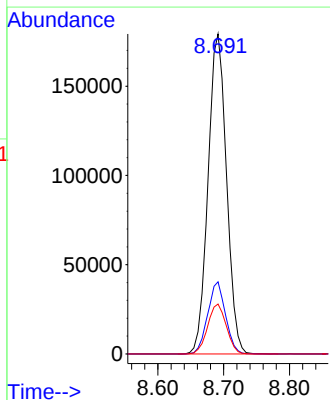
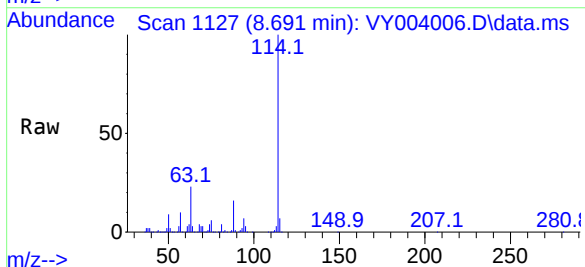
Instrument :
MSVOA_Y
ClientSampled :

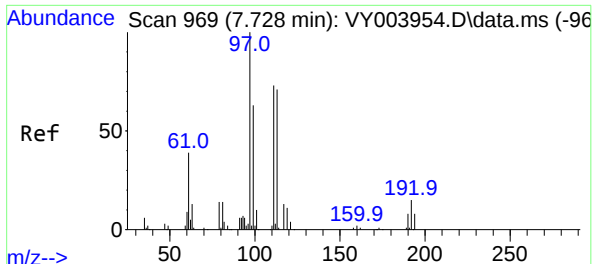
Tgt Ion: 65 Resp: 132711
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

Tgt Ion:114 Resp: 349964
Ion Ratio Lower Upper
114 100
63 22.6 0.0 47.2
88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 53.18 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY004006.D

Acq: 11 Feb 2021 17:10

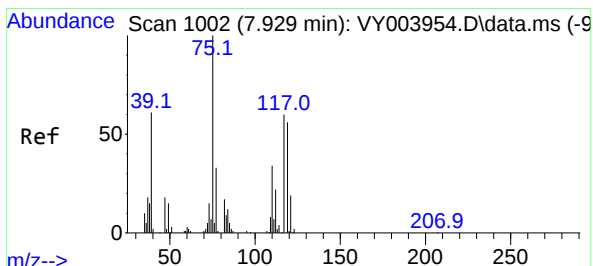
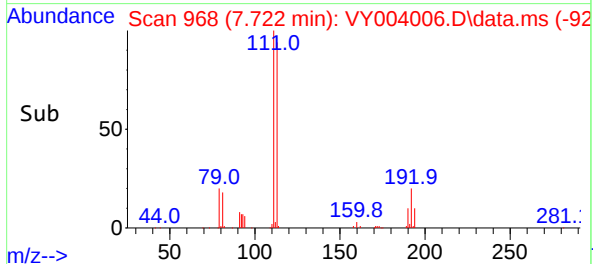
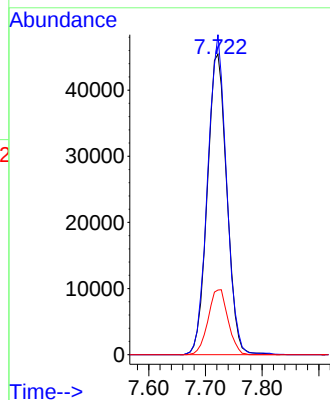
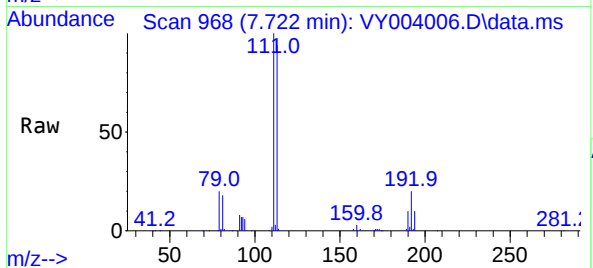
Tgt Ion:113 Resp: 108823

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 22.0 18.3 27.5



#36

1,1-Dichloropropene

Concen: 4.35 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.140 min

Lab File: VY004006.D

Acq: 11 Feb 2021 17:10

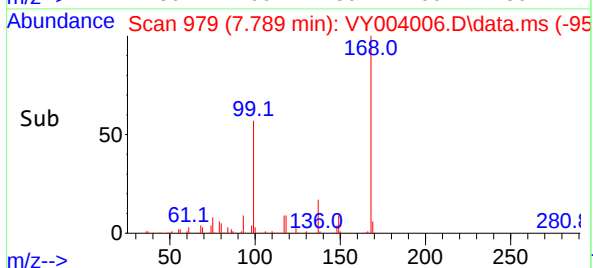
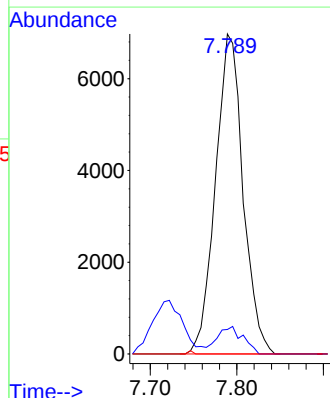
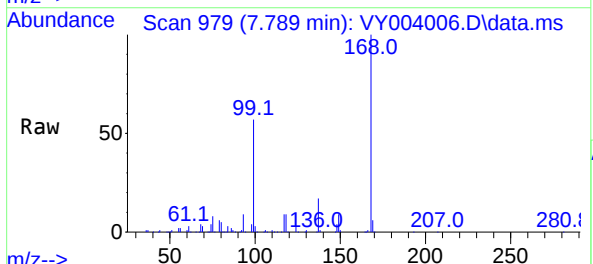
Tgt Ion: 75 Resp: 15391

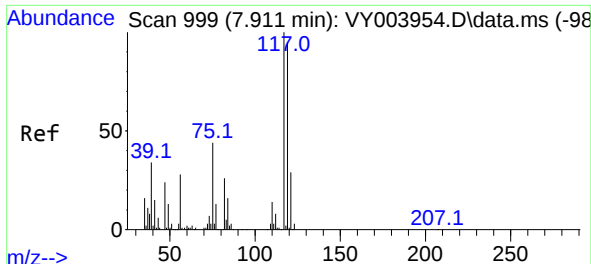
Ion Ratio Lower Upper

75 100

110 7.9 17.9 53.8#

77 0.0 24.8 37.2#

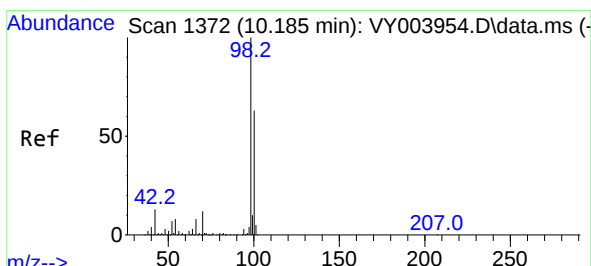
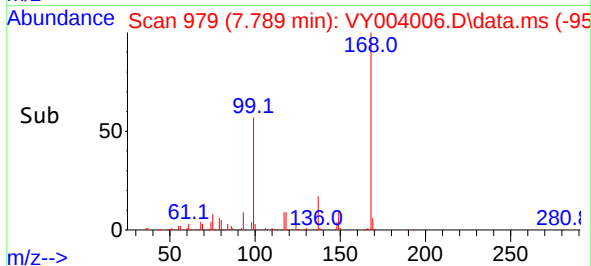
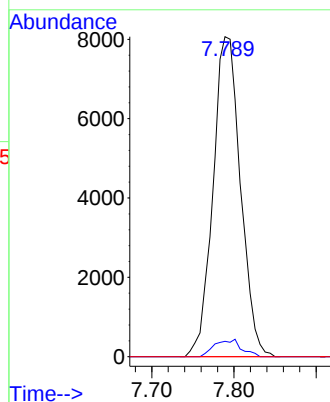
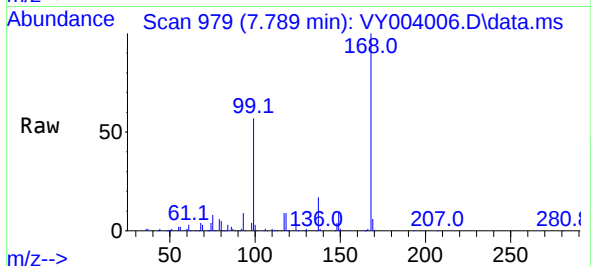




#38
Carbon Tetrachloride
Concen: 4.90 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

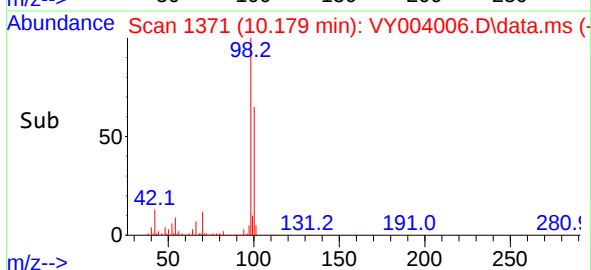
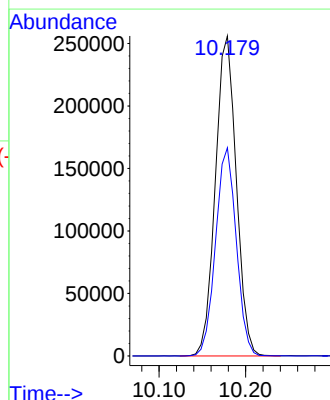
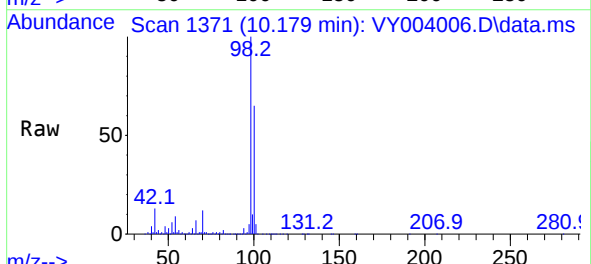
Instrument :
MSVOA_Y
ClientSampled :

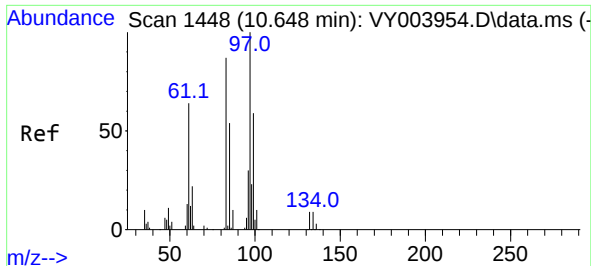
Tgt Ion:117 Resp: 18732
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 53.51 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

Tgt Ion: 98 Resp: 429663
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7

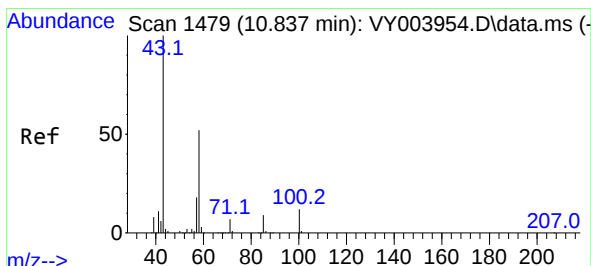
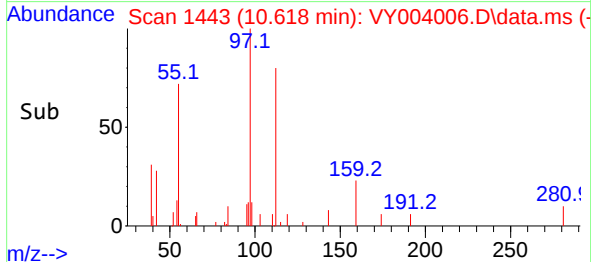
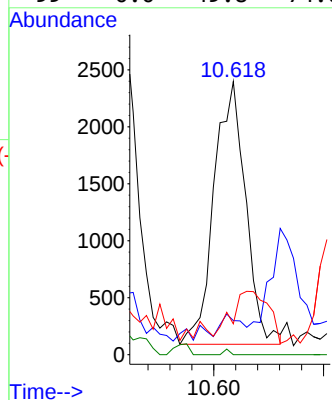
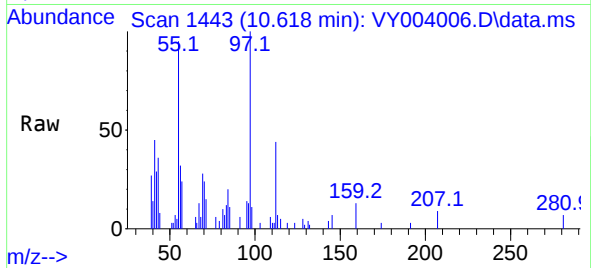




#55
1,1,2-Trichloroethane
Concen: 2.40 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

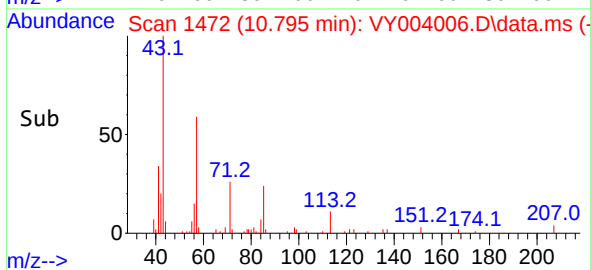
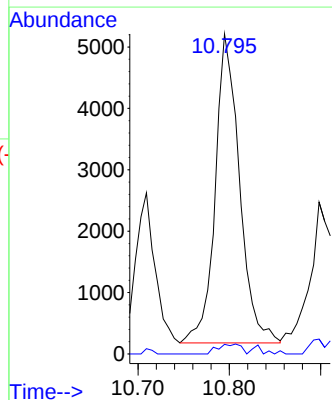
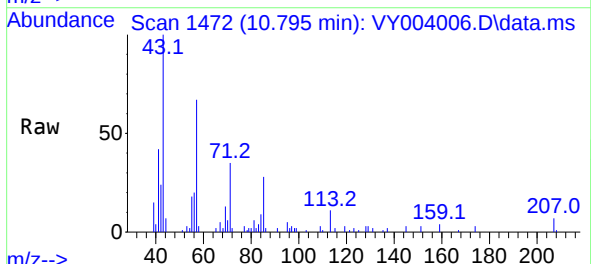
Instrument :
MSVOA_Y
ClientSampled :

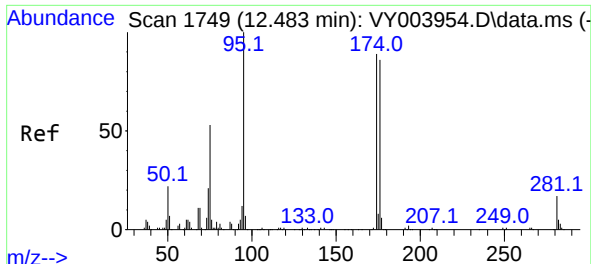
Tgt Ion: 97 Resp: 4606
Ion Ratio Lower Upper
97 100
83 4.9 70.6 106.0#
85 7.5 45.8 68.8#
99 0.0 49.8 74.6#



#59
2-Hexanone
Concen: 6.68 ug/l
RT: 10.795 min Scan# 1472
Delta R.T. -0.042 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

Tgt Ion: 43 Resp: 9317
Ion Ratio Lower Upper
43 100
58 3.0 24.8 74.4#

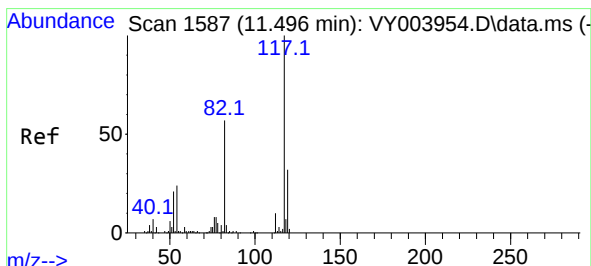
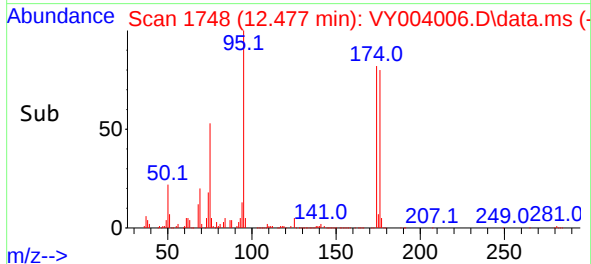
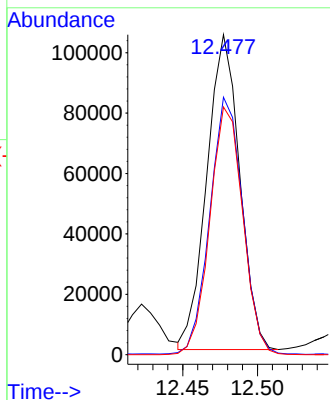
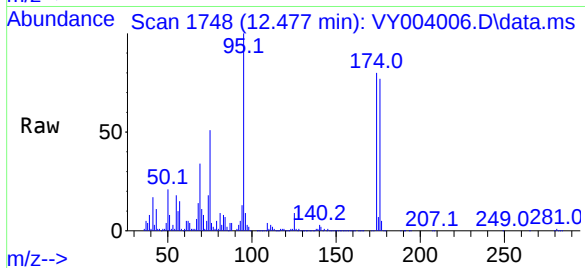




#62
4-Bromofluorobenzene
Concen: 54.46 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

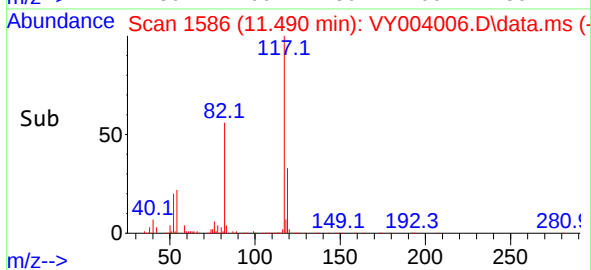
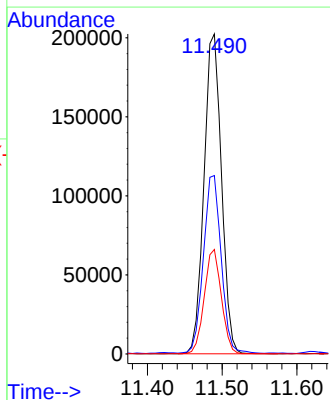
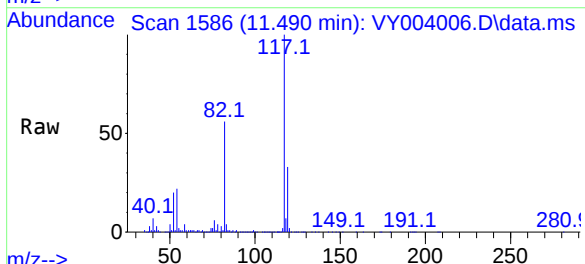
Instrument :
MSVOA_Y
ClientSampled :

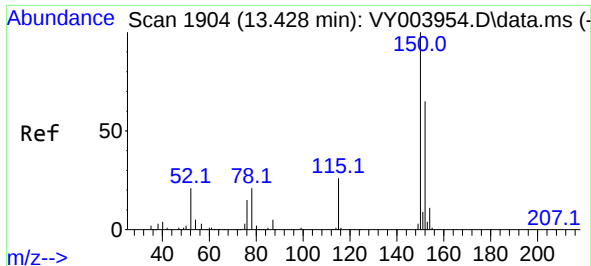
Tgt Ion: 95 Resp: 159408
Ion Ratio Lower Upper
95 100
174 81.4 0.0 184.4
176 78.7 0.0 177.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

Tgt Ion: 117 Resp: 327750
Ion Ratio Lower Upper
117 100
82 55.5 44.3 66.5
119 32.6 25.0 37.6

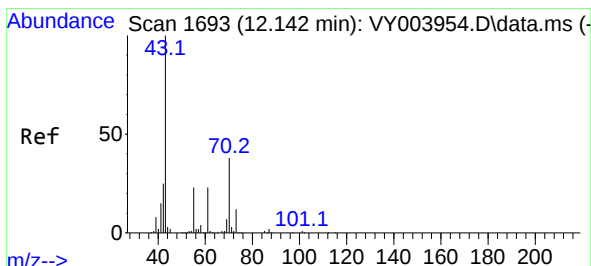
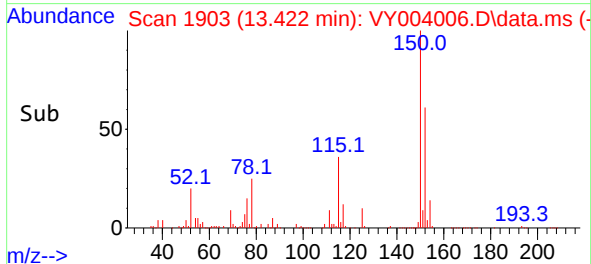
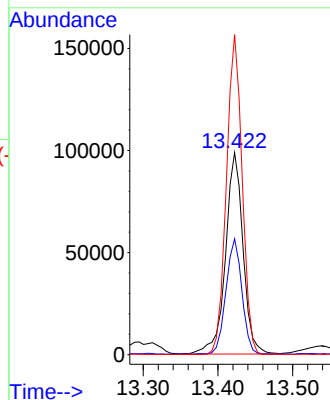
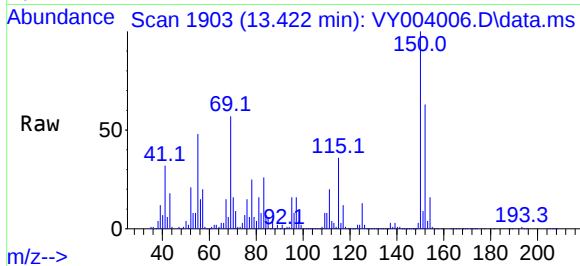




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

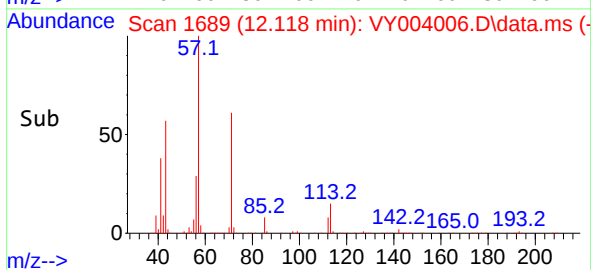
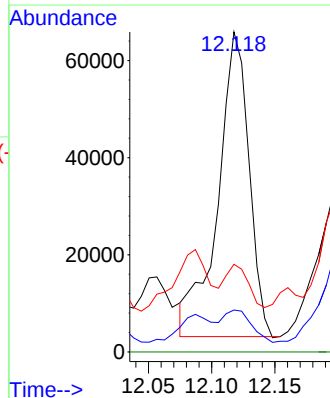
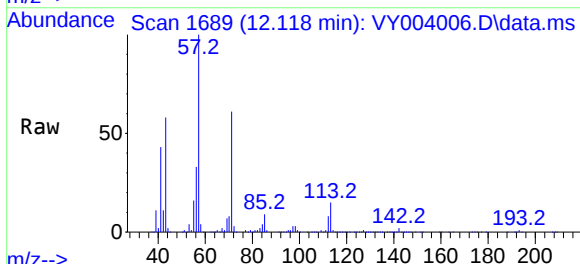
Instrument :
MSVOA_Y
ClientSampled :

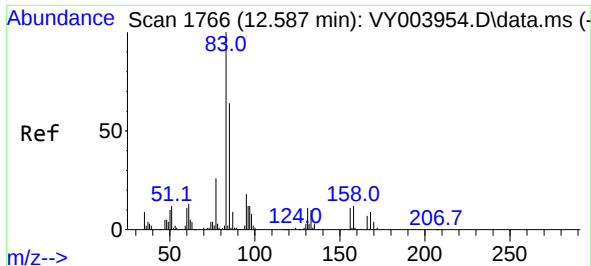
Tgt Ion:152 Resp: 161735
Ion Ratio Lower Upper
152 100
115 52.0 28.2 84.6
150 142.1 0.0 356.2



#74
N-ethyl acetate
Concen: 31.50 ug/l
RT: 12.118 min Scan# 1689
Delta R.T. -0.024 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

Tgt Ion: 43 Resp: 107197
Ion Ratio Lower Upper
43 100
70 8.5 29.6 44.4#
55 13.8 18.4 27.6#
61 0.0 17.4 26.2#

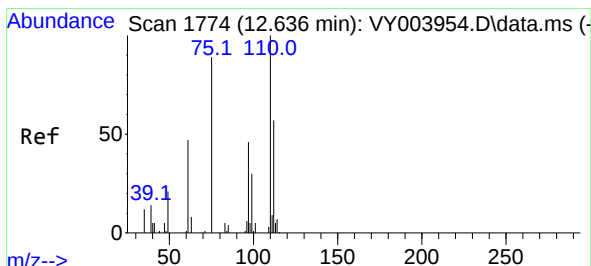
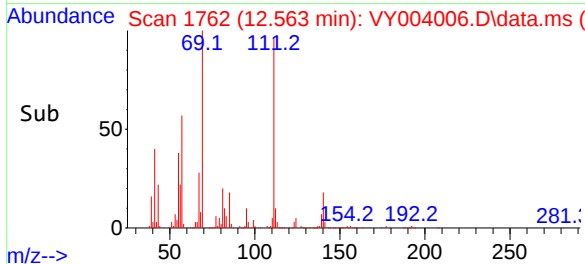
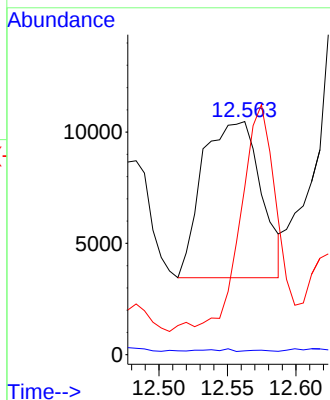
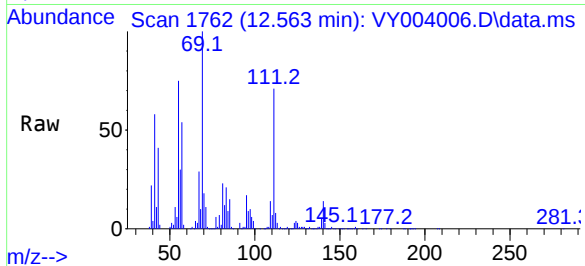




#75
1,1,2,2-Tetrachloroethane
Concen: 9.91 ug/l
RT: 12.563 min Scan# 1762
Delta R.T. -0.024 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

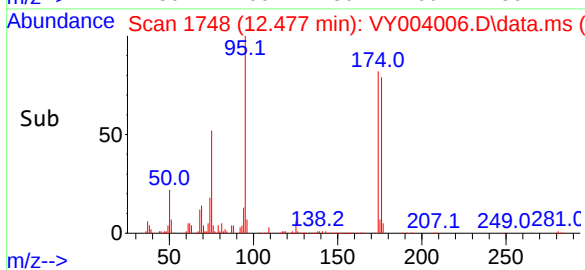
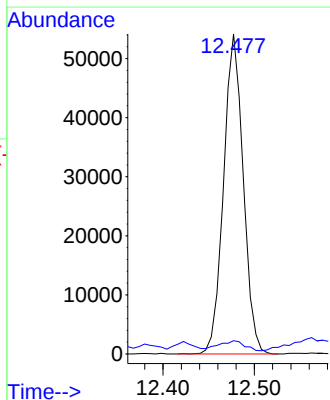
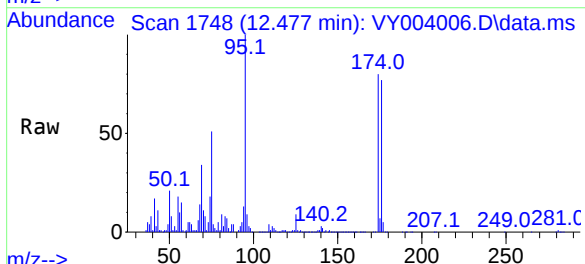
Instrument :
MSVOA_Y
ClientSampleId :

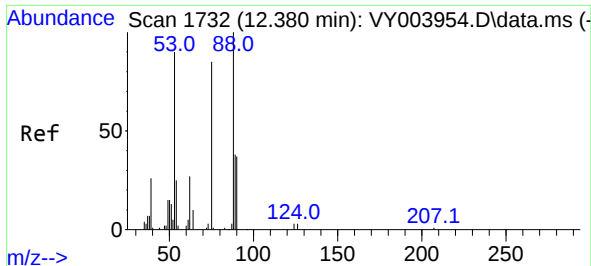
Tgt Ion: 83 Resp: 20802
Ion Ratio Lower Upper
83 100
131 0.6 5.3 16.1#
85 0.0 31.6 94.8#



#76
1,2,3-Trichloropropane
Concen: 49.66 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

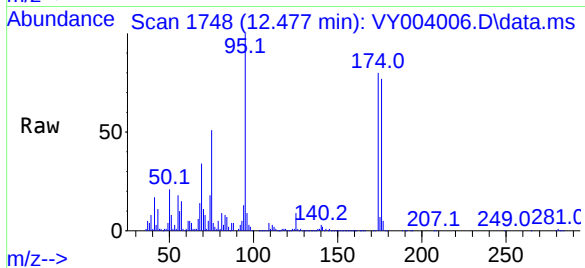
Tgt Ion: 75 Resp: 80922
Ion Ratio Lower Upper
75 100
77 3.9 0.0 0.0#



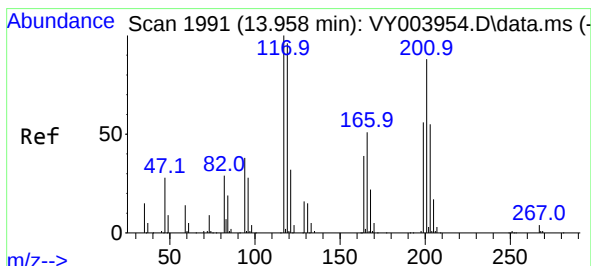
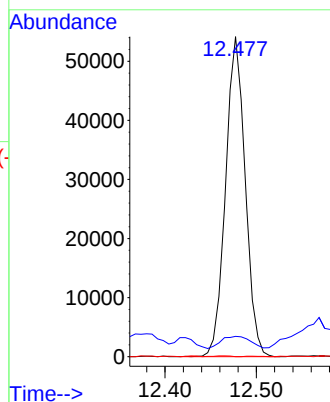
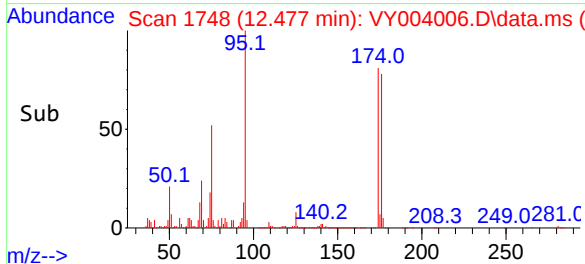


#81
trans-1,4-Dichloro-2-butene
Concen: 94.92 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

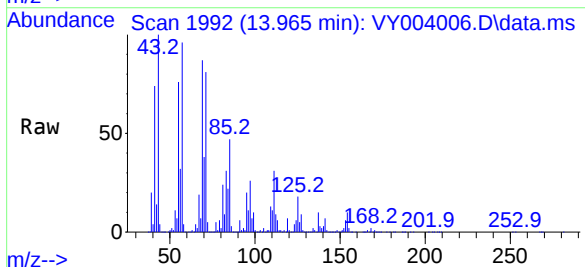
Instrument :
MSVOA_Y
ClientSampled :



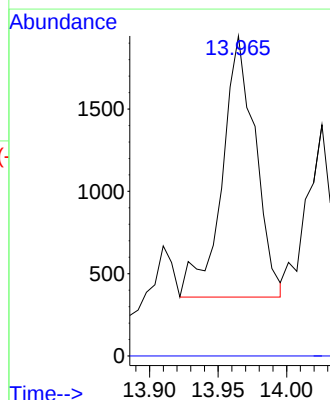
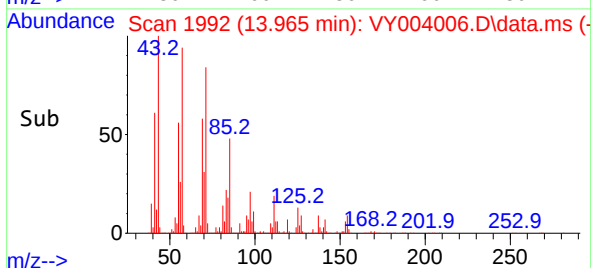
Tgt Ion: 75 Resp: 80922
Ion Ratio Lower Upper
75 100
53 5.6 78.2 117.2#
89 0.1 34.8 52.2#

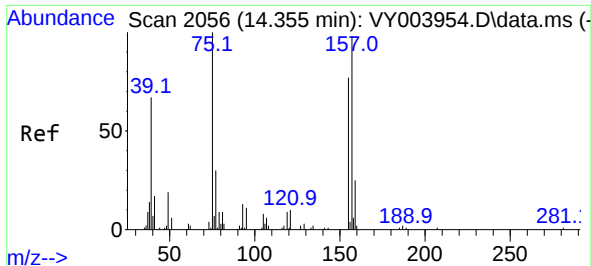


#90
Hexachloroethane
Concen: 1.37 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. 0.006 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10



Tgt Ion: 117 Resp: 2684
Ion Ratio Lower Upper
117 100
201 0.0 45.5 136.5#

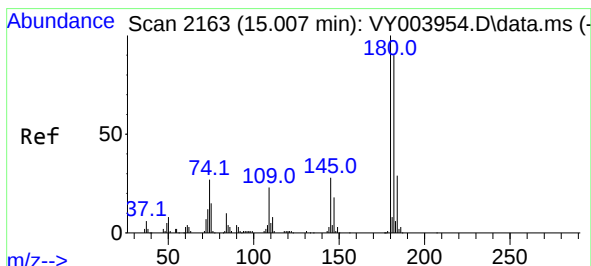
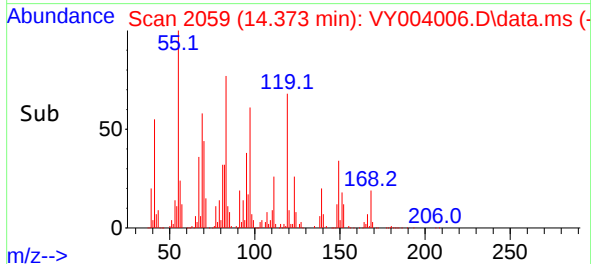
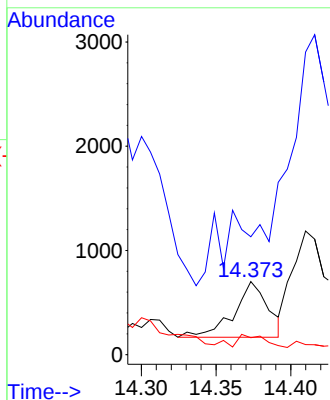
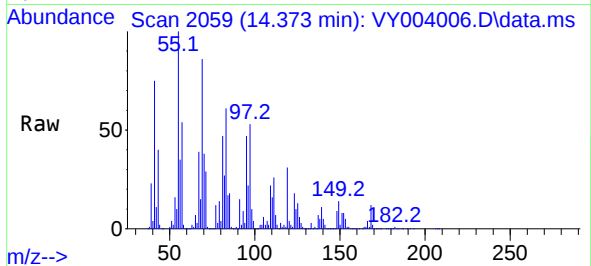




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.95 ug/l
RT: 14.373 min Scan# 2059
Delta R.T. 0.018 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

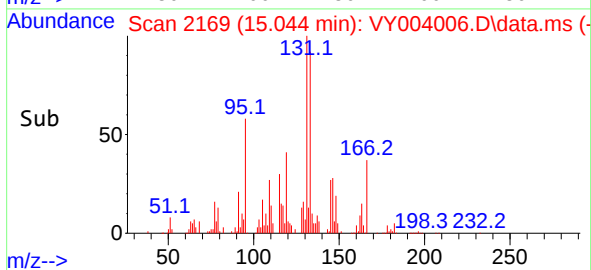
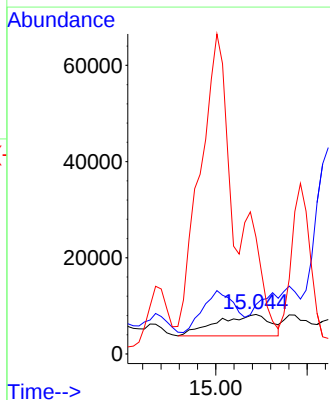
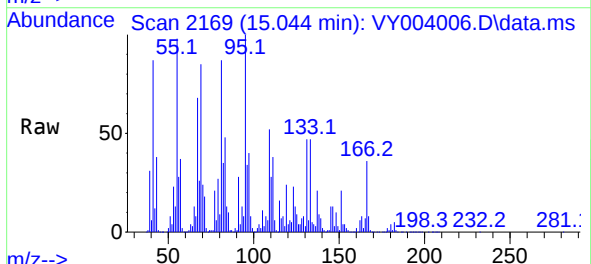
Instrument :
MSVOA_Y
ClientSampled :

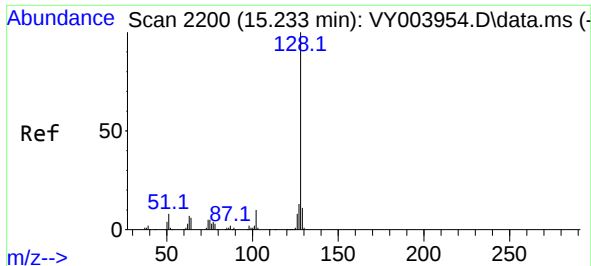
Tgt Ion: 75 Resp: 845
Ion Ratio Lower Upper
75 100
155 118.2 37.6 112.9#
157 20.2 50.4 151.2#



#93
1,2,4-Trichlorobenzene
Concen: 5.48 ug/l
RT: 15.044 min Scan# 2169
Delta R.T. 0.037 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

Tgt Ion:180 Resp: 18283
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.3#
145 217.4 14.8 44.3#

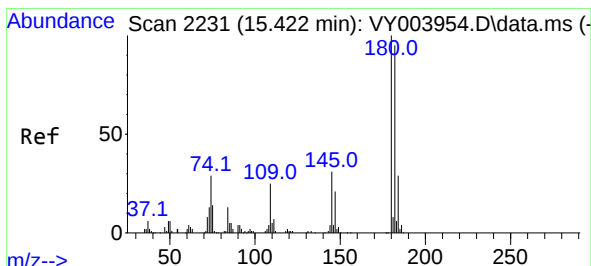
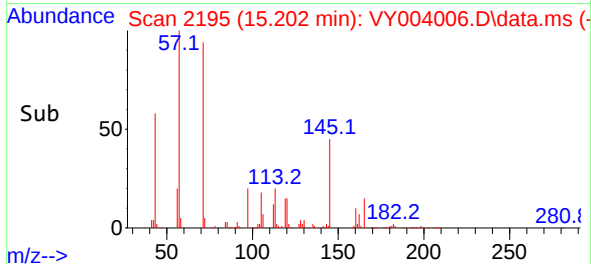
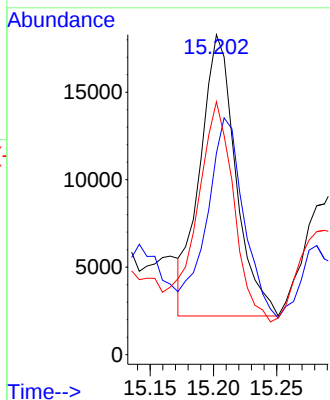
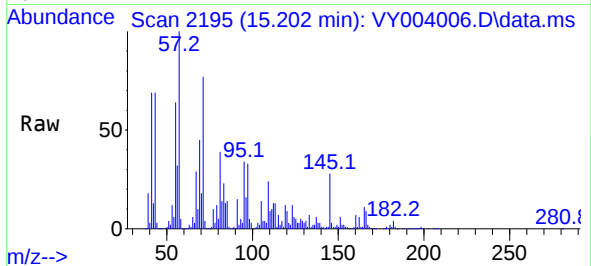




#95
Naphthalene
Concen: 5.05 ug/l
RT: 15.202 min Scan# 2195
Delta R.T. -0.030 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

Tgt Ion:128 Resp: 31578
Ion Ratio Lower Upper
128 100
127 73.2 11.4 17.0#
129 81.4 8.6 12.8#

Instrument :
MSVOA_Y
ClientSampleId :



#96
1,2,3-Trichlorobenzene
Concen: 10.92 ug/l
RT: 15.446 min Scan# 2235
Delta R.T. 0.025 min
Lab File: VY004006.D
Acq: 11 Feb 2021 17:10

Tgt Ion:180 Resp: 31362
Ion Ratio Lower Upper
180 100
182 0.0 47.7 143.1#
145 0.0 15.2 45.6#

