

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021822\
 Data File : VY007548.D
 Acq On : 18 Feb 2022 16:28
 Operator : SY/MD
 Sample : N1600-01
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AA0

Quant Time: Feb 19 04:34:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

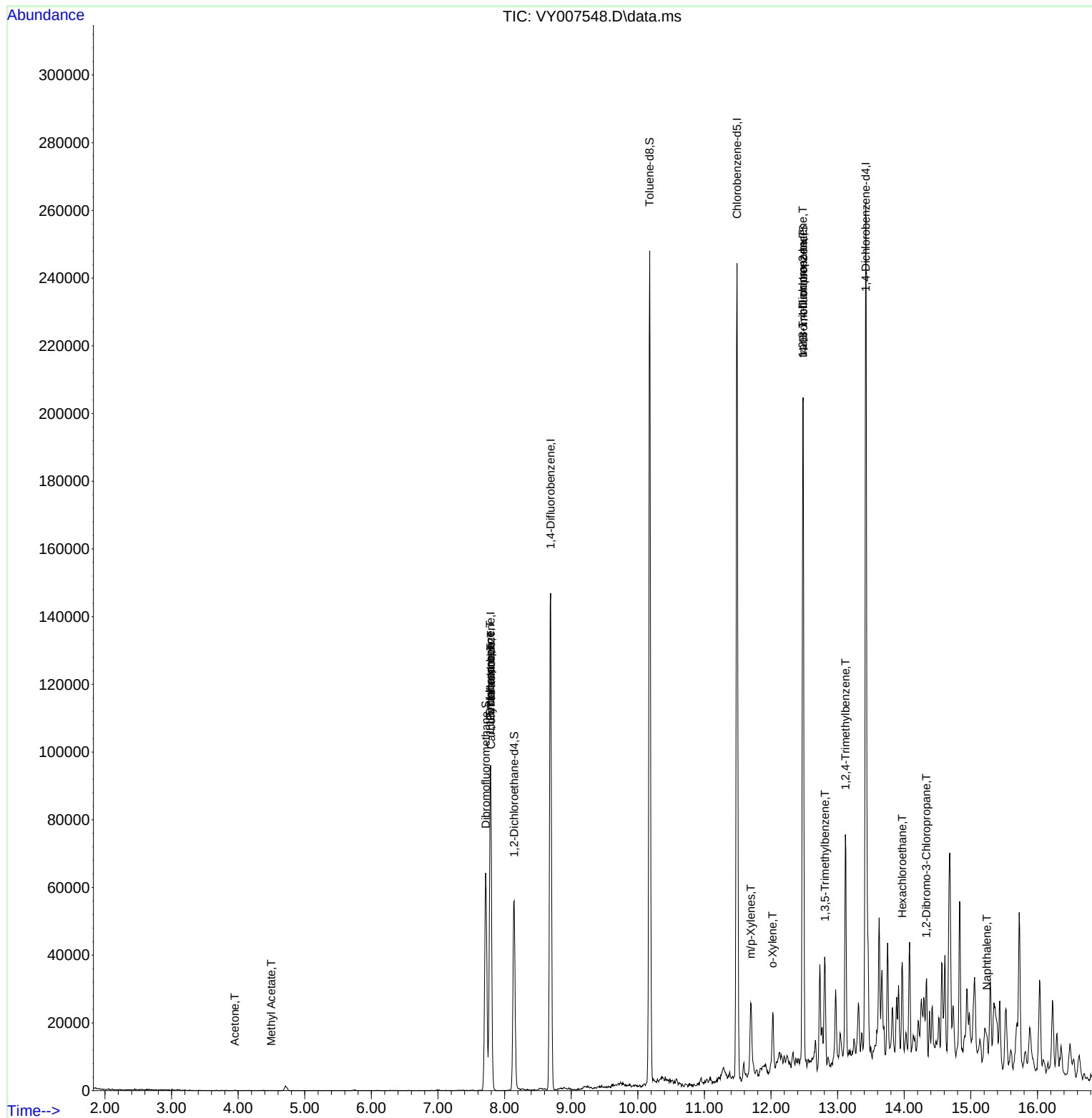
Internal Standards						
1) Pentafluorobenzene	7.789	168	72567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	128866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	134473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	61393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	45108	56.302	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.600%	
35) Dibromofluoromethane	7.716	113	43966	54.101	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.200%	
50) Toluene-d8	10.179	98	159749	51.756	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.520%	
62) 4-Bromofluorobenzene	12.483	95	60954	58.240	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	124	Below Cal	#	44
5) Bromomethane	2.668	94	25	Below Cal	#	4
16) Acetone	3.948	43	278	1.308	ug/l #	47
18) Methyl Acetate	4.497	43	20	1.423	ug/l #	56
31) Cyclohexane	7.789	56	1526	1.077	ug/l #	2
36) 1,1-Dichloropropene	7.783	75	5422	4.118	ug/l #	54
38) Carbon Tetrachloride	7.795	117	7601	5.081	ug/l #	16
68) m/p-Xylenes	11.697	106	6183	2.964	ug/l	95
69) o-Xylene	12.026	106	4875	2.470	ug/l	81
76) 1,2,3-Trichloropropane	12.477	75	33122	46.693	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	9304	2.065	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.477	75	33122	97.048	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	35777	8.190	ug/l	99
90) Hexachloroethane	13.970	117	1131	1.238	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.330	75	205	1.296	ug/l #	6
95) Naphthalene	15.239	128	3064	1.173	ug/l #	82

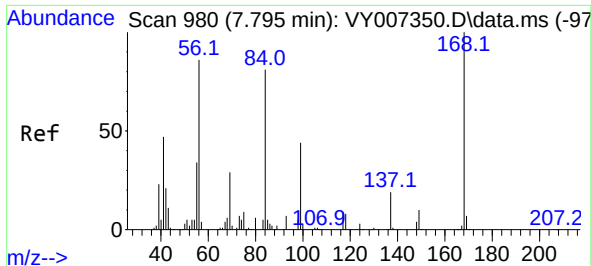
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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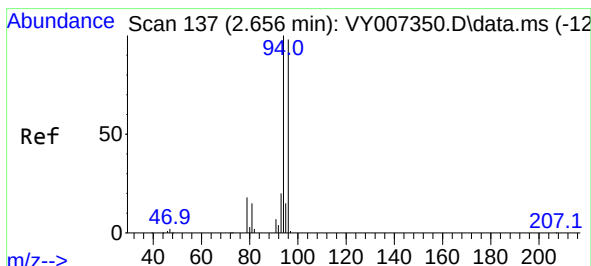
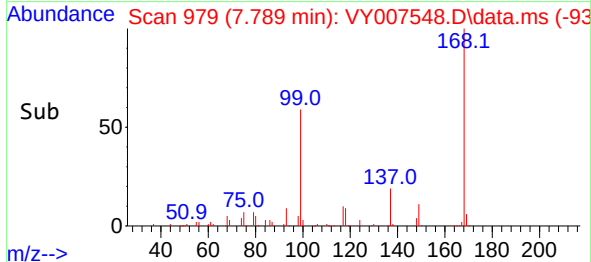
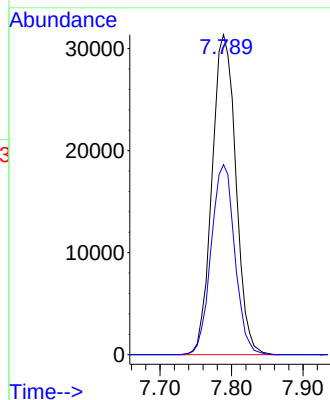
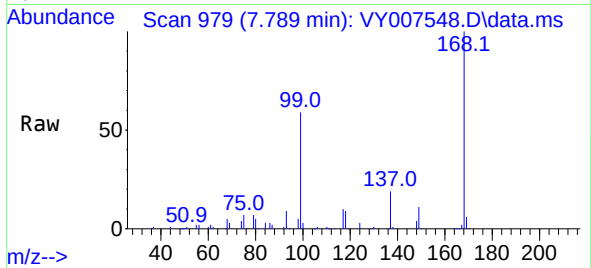




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

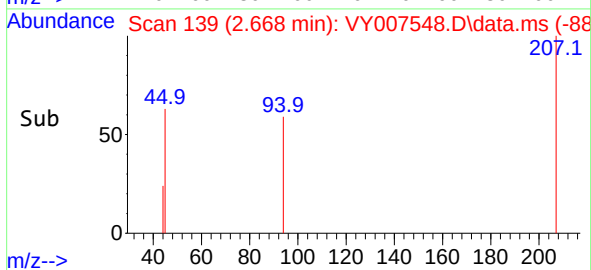
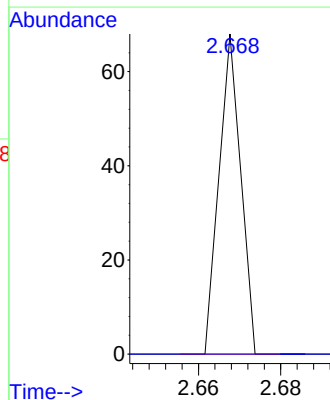
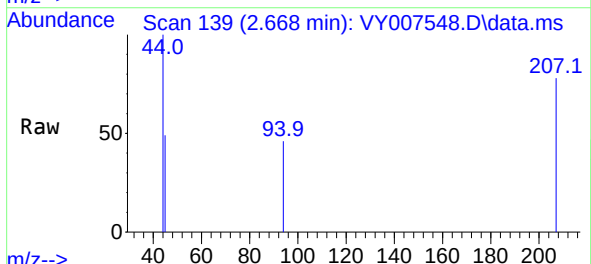
Instrument :
MSVOA_Y
ClientSampleId :
C0AA0

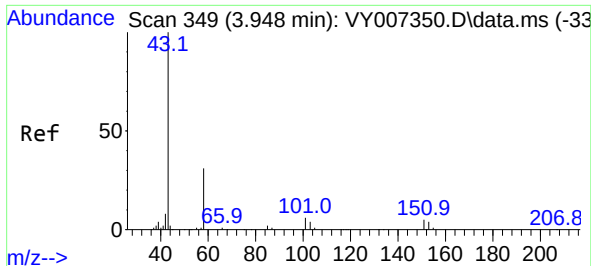
Tgt Ion:168 Resp: 72567
Ion Ratio Lower Upper
168 100
99 59.4 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

Tgt Ion: 94 Resp: 25
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#

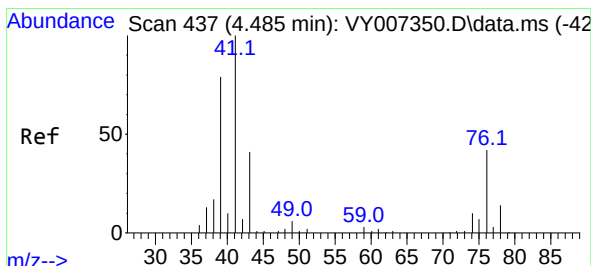
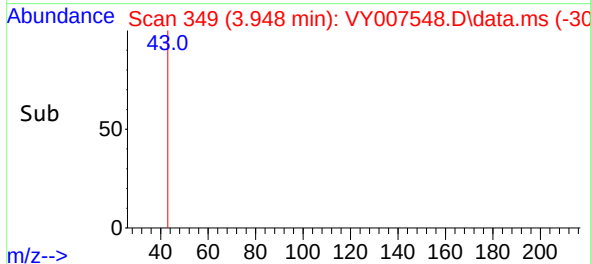
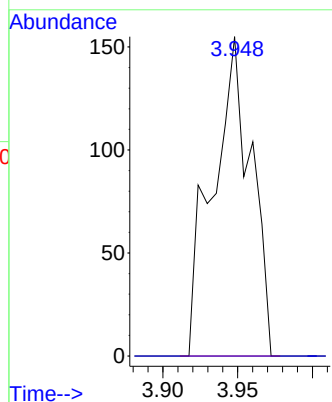
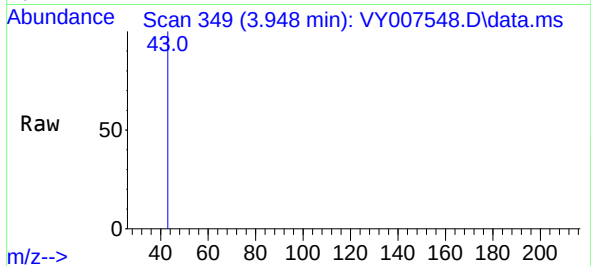




#16
Acetone
Concen: 1.308 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

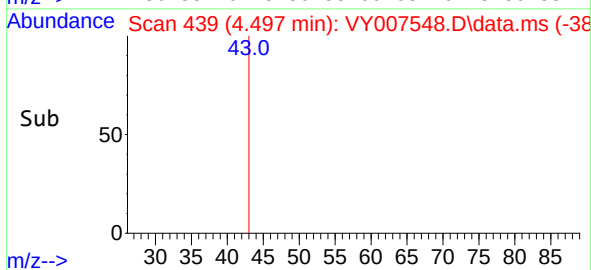
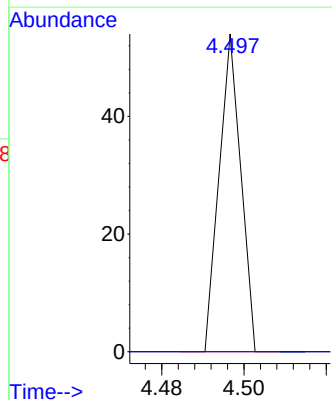
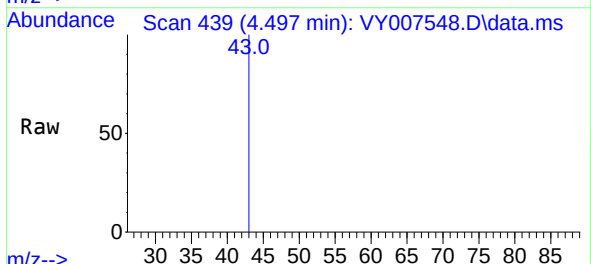
Instrument :
MSVOA_Y
ClientSampleId :
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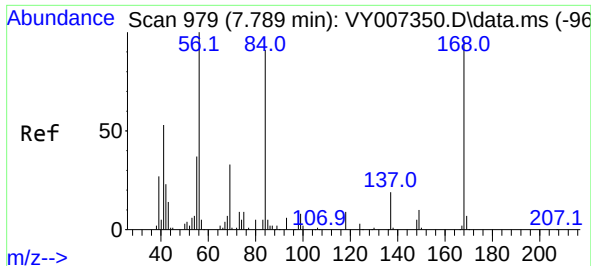
Tgt Ion: 43 Resp: 278
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: 1.423 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

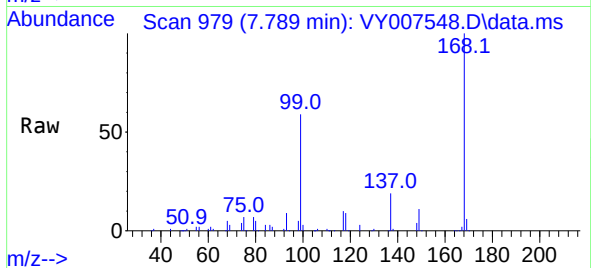
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



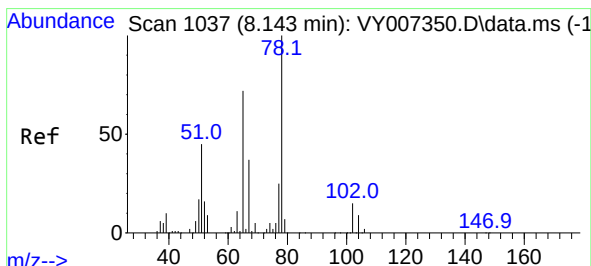
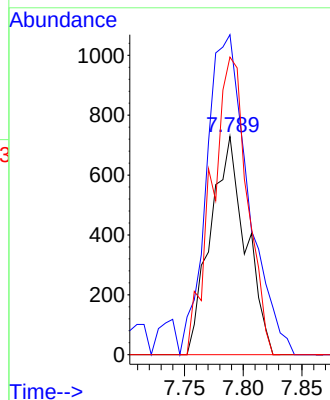
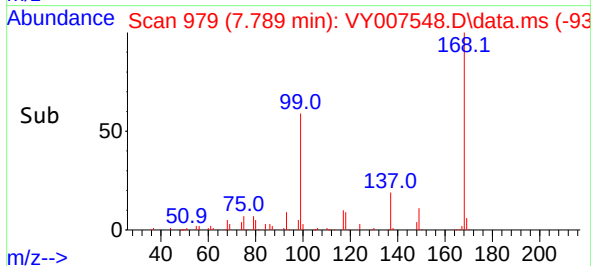


#31
Cyclohexane
Concen: 1.077 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

Instrument :
MSVOA_Y
ClientSampleId :
C0AA0

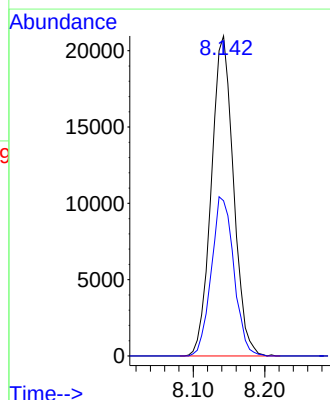
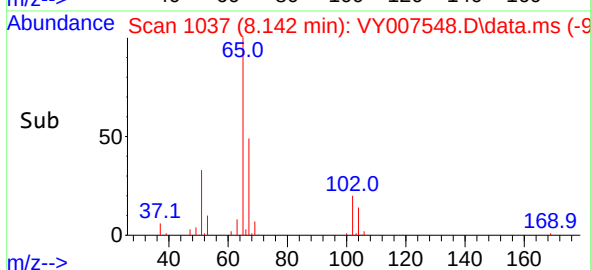
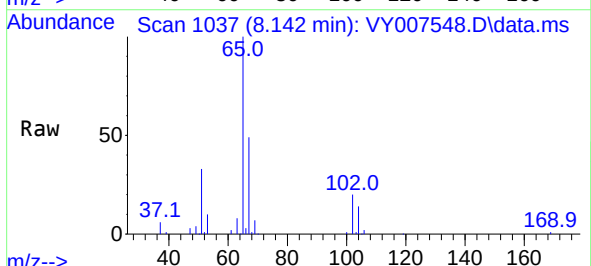


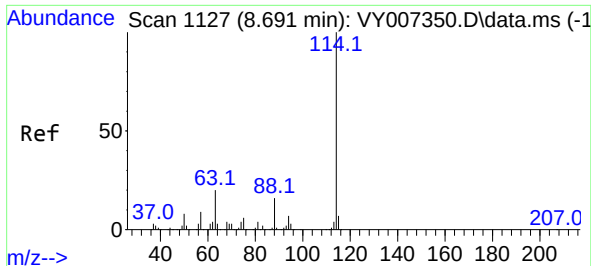
Tgt Ion: 56 Resp: 1526
Ion Ratio Lower Upper
56 100
69 146.6 26.7 40.1#
84 136.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.302 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

Tgt Ion: 65 Resp: 45108
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007548.D

Acq: 18 Feb 2022 16:28

Instrument :

MSVOA_Y

ClientSampleId :

C0AA0

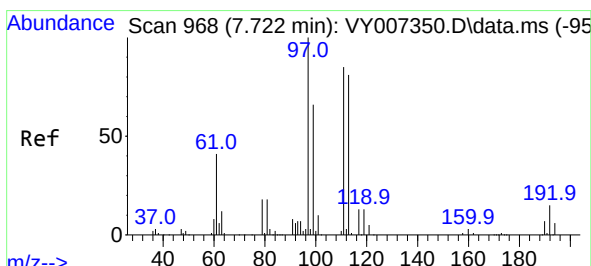
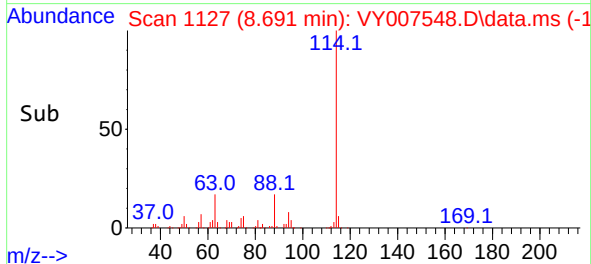
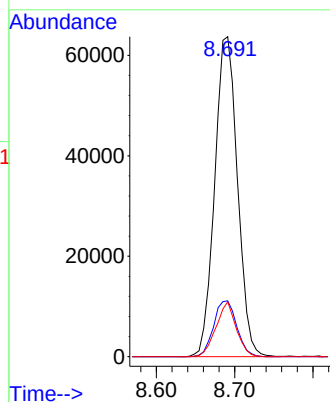
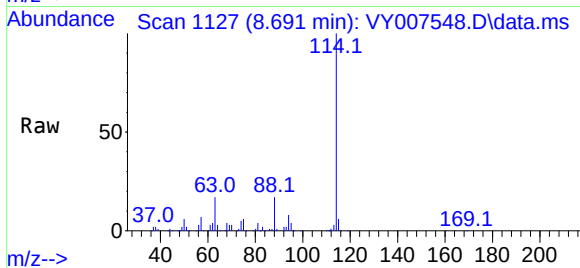
Tgt Ion:114 Resp: 128866

Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 17.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.101 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY007548.D

Acq: 18 Feb 2022 16:28

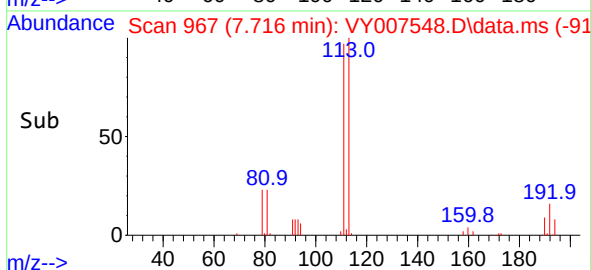
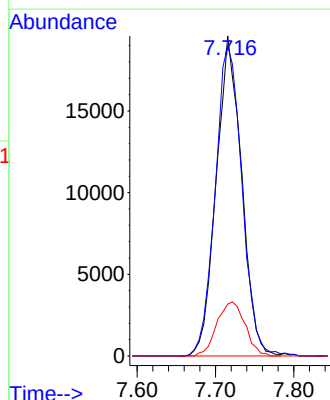
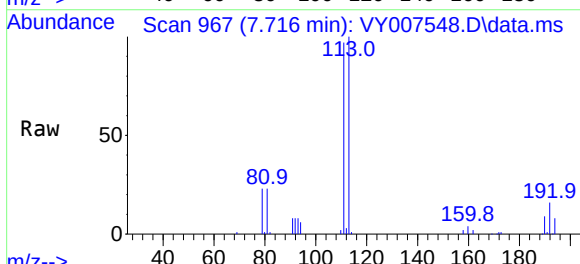
Tgt Ion:113 Resp: 43966

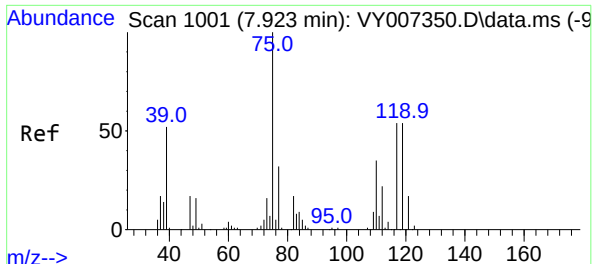
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 18.8 17.6 26.4

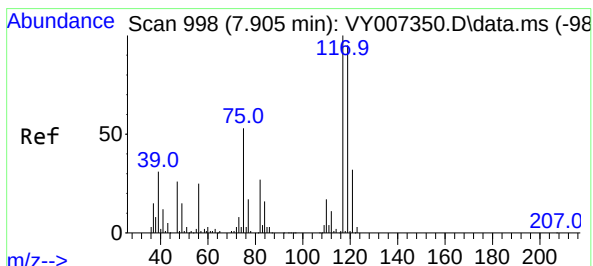
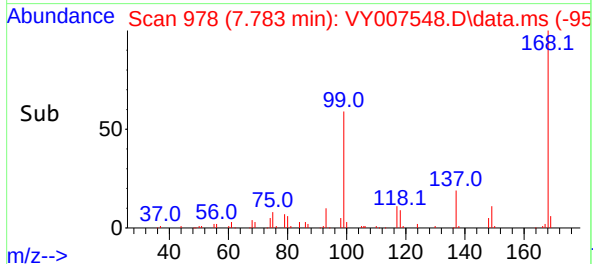
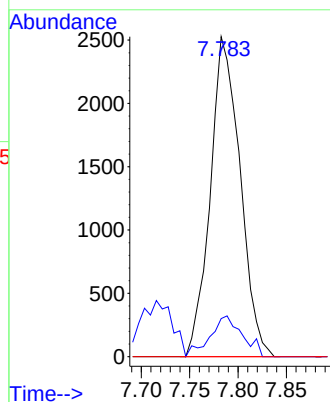
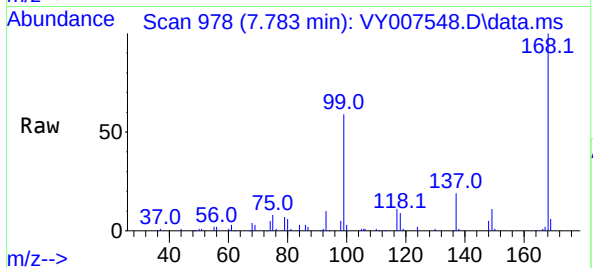




#36
1,1-Dichloropropene
Concen: 4.118 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

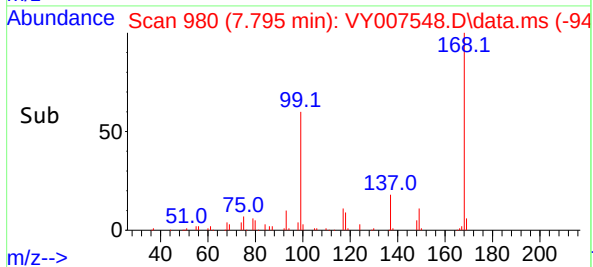
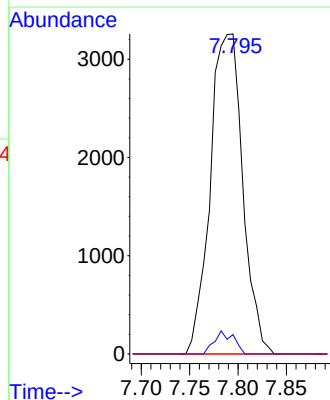
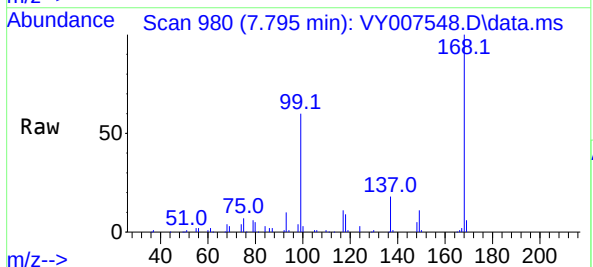
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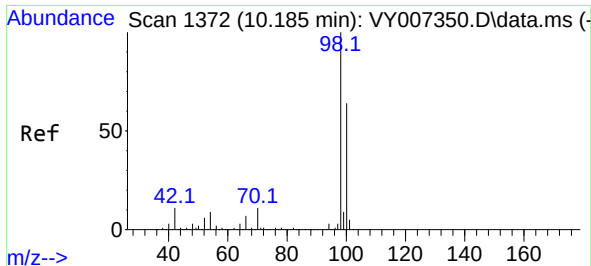
Tgt Ion: 75 Resp: 5422
Ion Ratio Lower Upper
75 100
110 12.6 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.081 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

Tgt Ion: 117 Resp: 7601
Ion Ratio Lower Upper
117 100
119 6.0 77.9 116.9#
121 0.0 24.8 37.2#

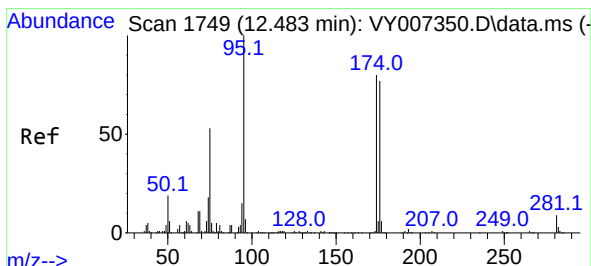
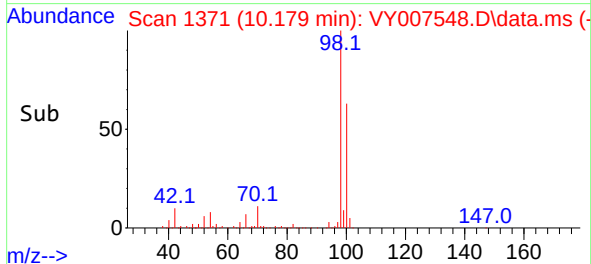
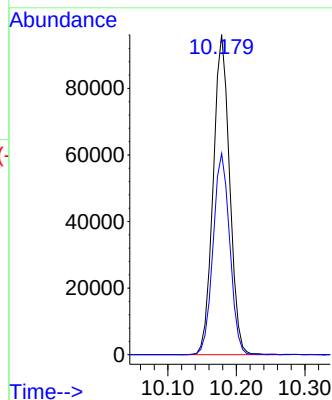
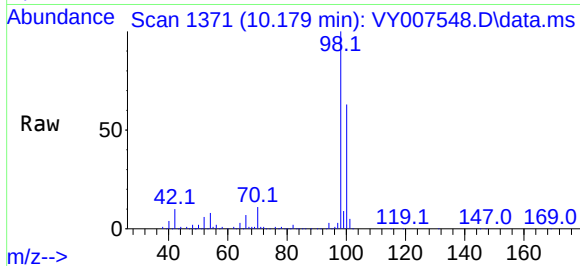




#50
Toluene-d8
Concen: 51.756 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

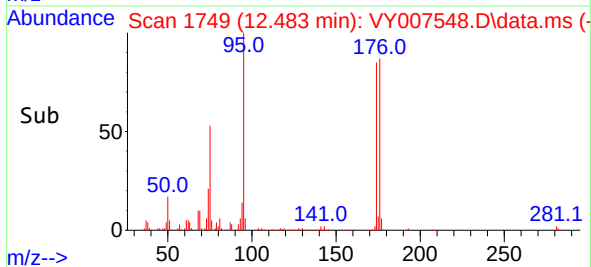
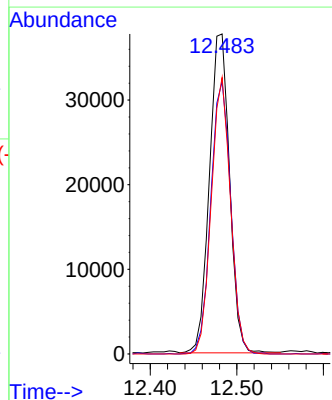
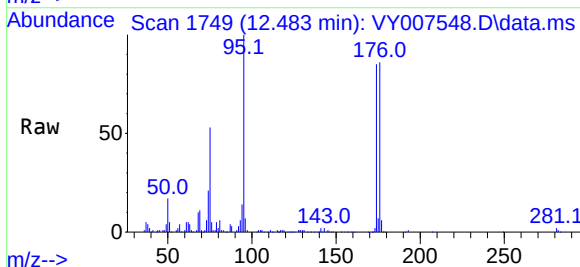
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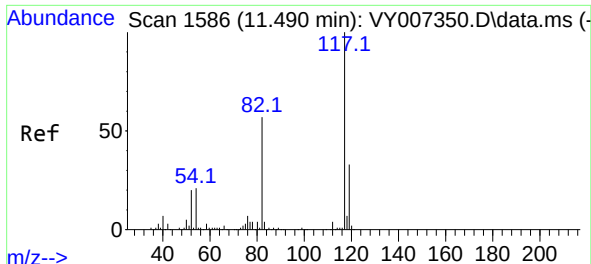
Tgt Ion: 98 Resp: 159749
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 58.240 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

Tgt Ion: 95 Resp: 60954
Ion Ratio Lower Upper
95 100
174 84.4 0.0 177.0
176 82.4 0.0 175.8

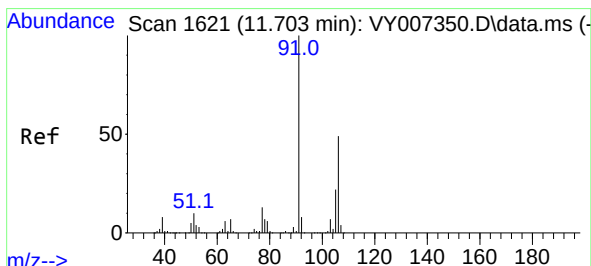
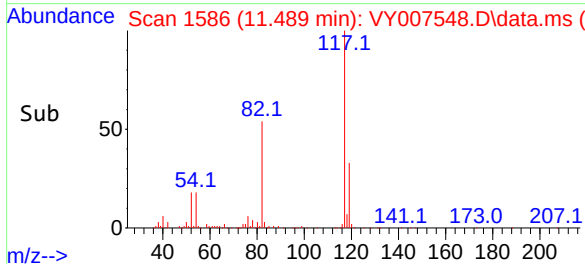
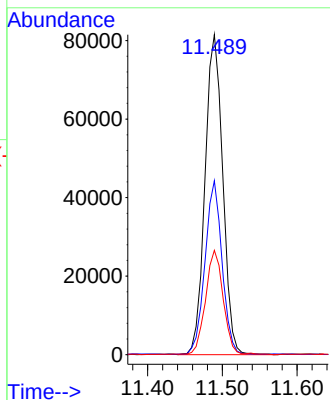
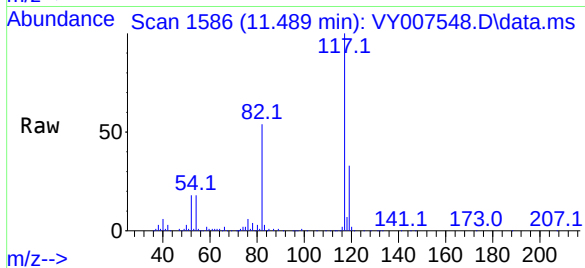




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

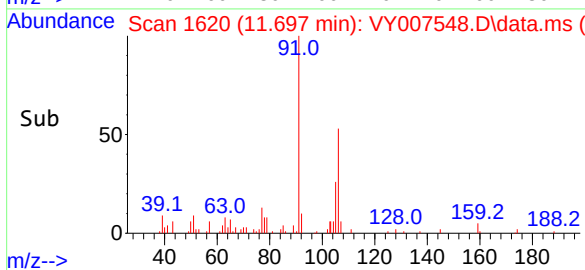
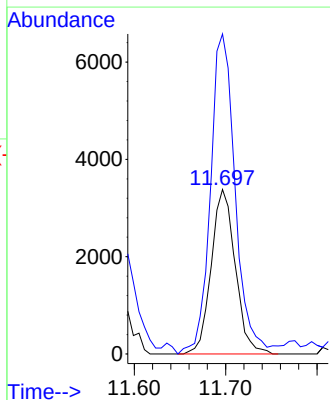
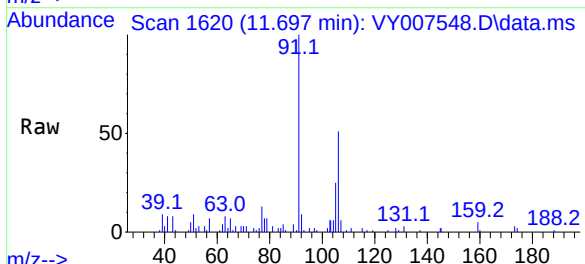
Instrument :
MSVOA_Y
ClientSampleId :
C0AA0

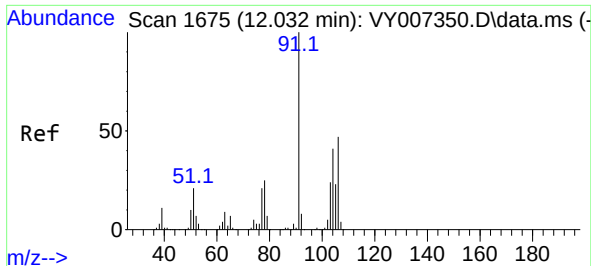
Tgt Ion:117 Resp: 134473
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 32.5 25.4 38.0



#68
m/p-Xylenes
Concen: 2.964 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

Tgt Ion:106 Resp: 6183
Ion Ratio Lower Upper
106 100
91 201.0 166.6 249.8

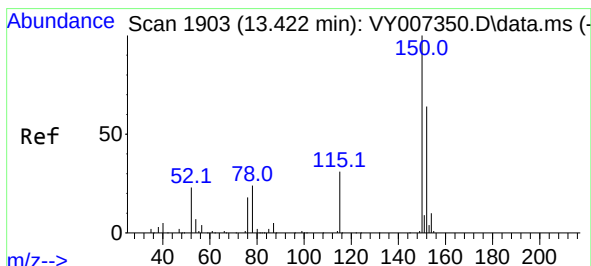
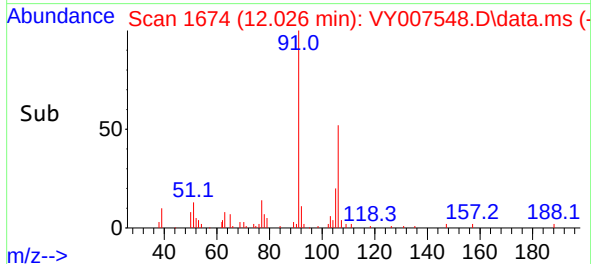
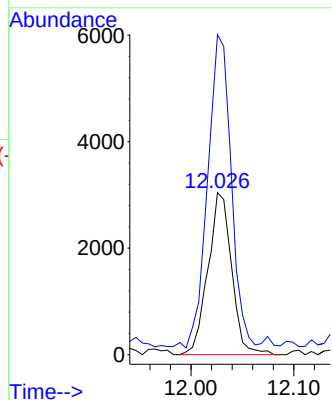
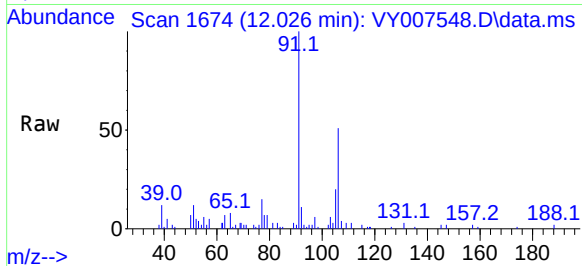




#69
o-Xylene
Concen: 2.470 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

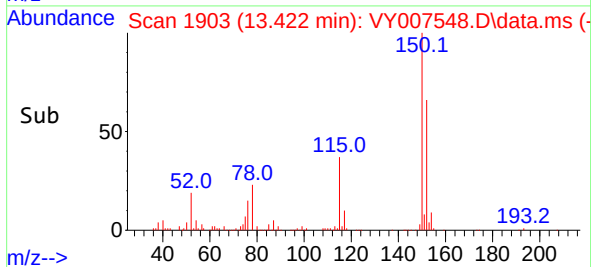
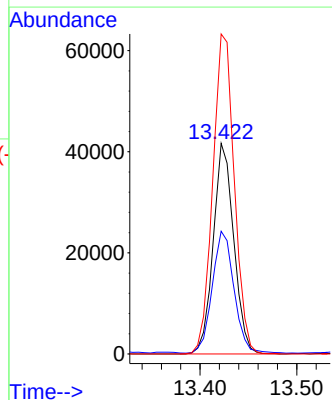
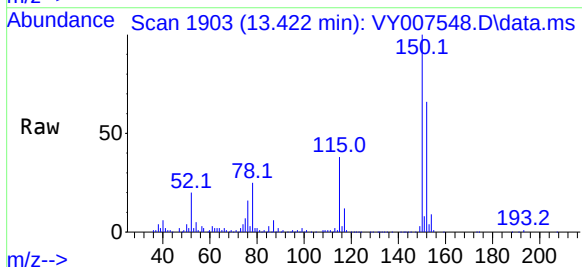
Instrument :
MSVOA_Y
ClientSampleId :
C0AA0

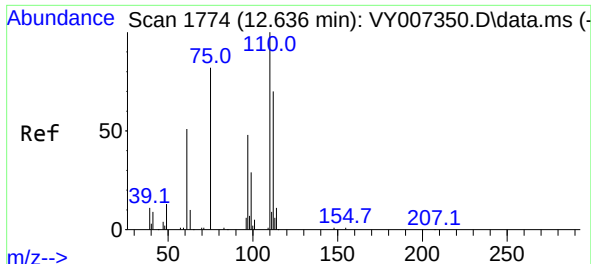
Tgt Ion:106 Resp: 4875
Ion Ratio Lower Upper
106 100
91 189.7 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

Tgt Ion:152 Resp: 61393
Ion Ratio Lower Upper
152 100
115 61.3 28.2 84.7
150 159.5 0.0 347.6

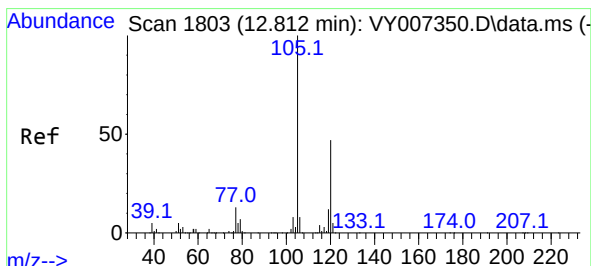
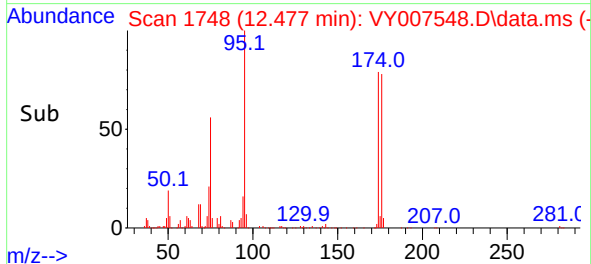
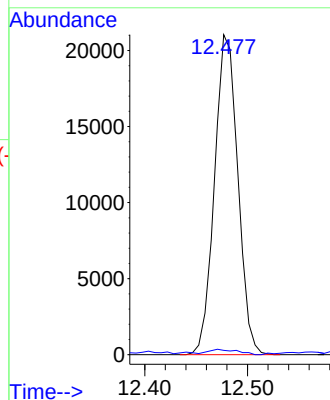
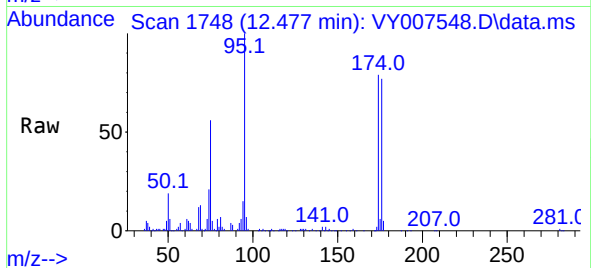




#76
1,2,3-Trichloropropane
Concen: 46.693 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.159 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

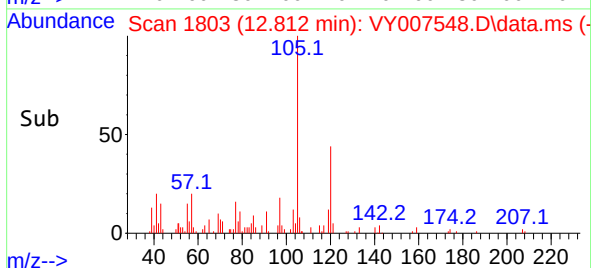
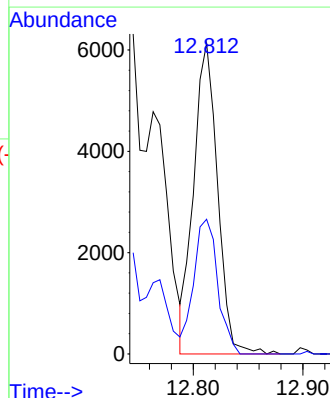
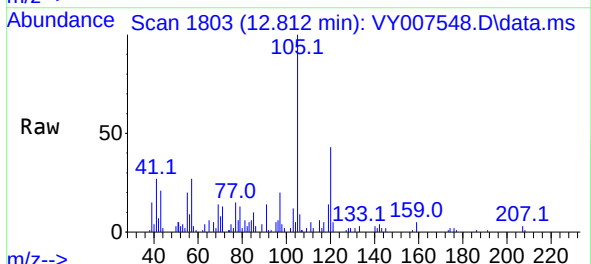
Instrument :
MSVOA_Y
ClientSampleId :
C0AA0

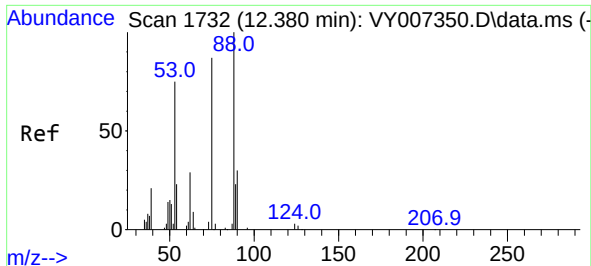
Tgt Ion: 75 Resp: 33122
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 2.065 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

Tgt Ion: 105 Resp: 9304
Ion Ratio Lower Upper
105 100
120 43.6 24.4 73.4

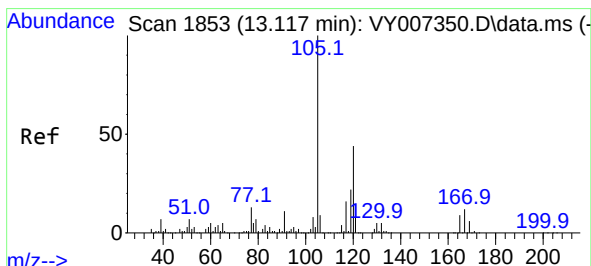
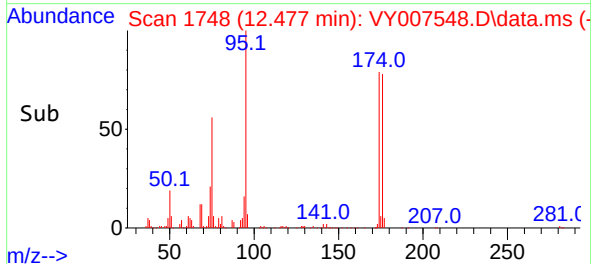
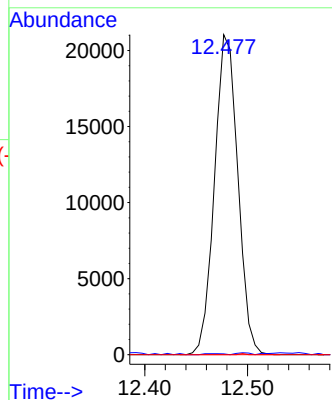
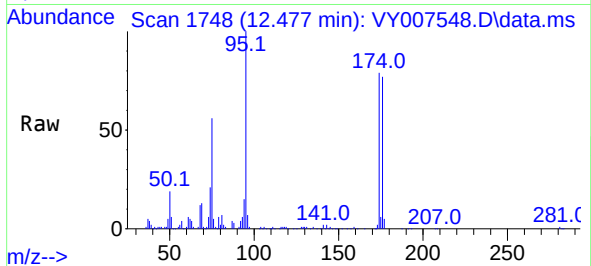




#81
trans-1,4-Dichloro-2-butene
Concen: 97.048 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

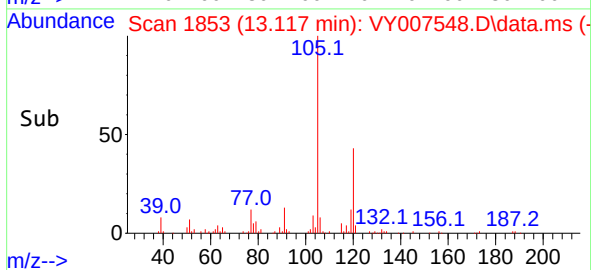
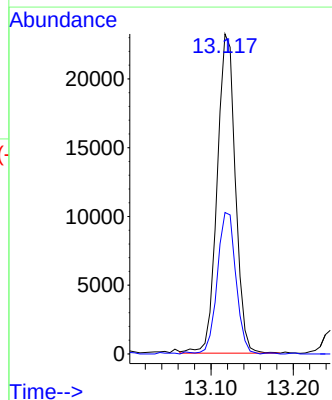
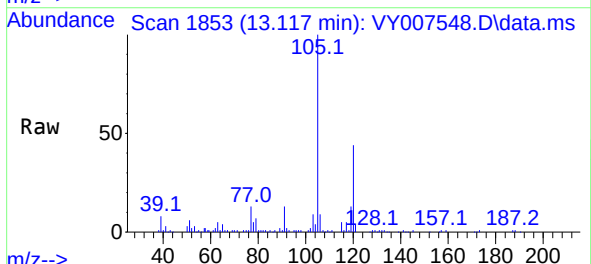
Instrument :
MSVOA_Y
ClientSampleId :
C0AA0

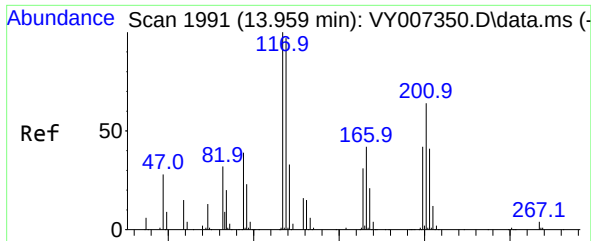
Tgt Ion: 75 Resp: 33122
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 8.190 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

Tgt Ion: 105 Resp: 35777
Ion Ratio Lower Upper
105 100
120 45.5 22.3 66.9

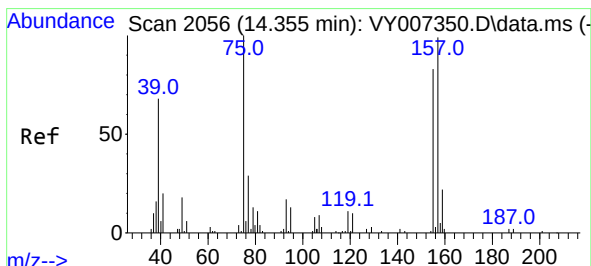
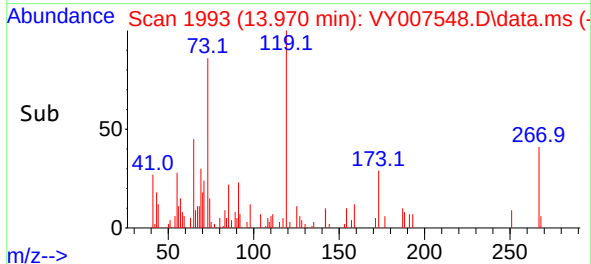
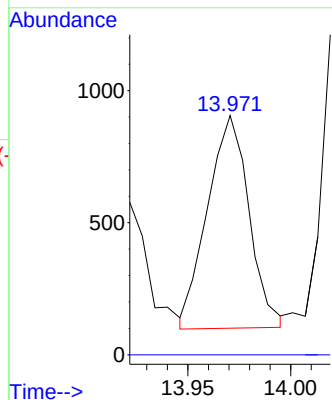
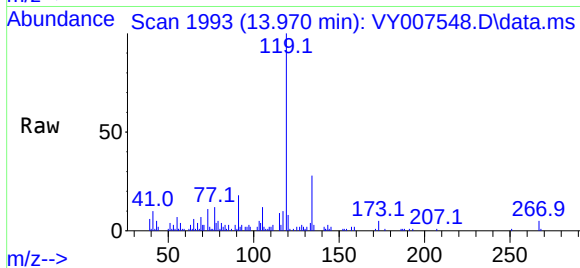




#90
Hexachloroethane
Concen: 1.238 ug/l
RT: 13.970 min Scan# 1993
Delta R.T. 0.011 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

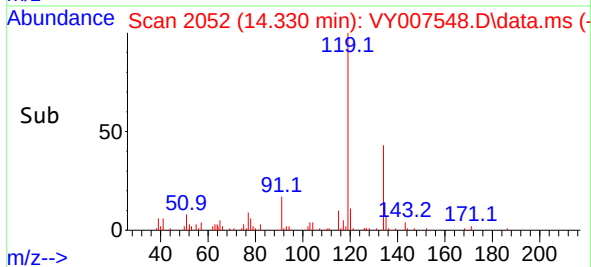
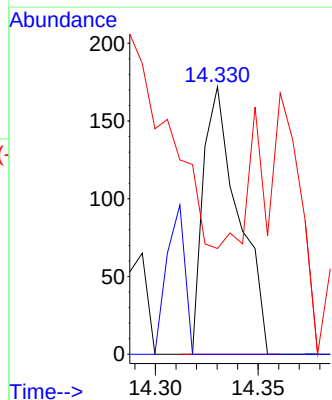
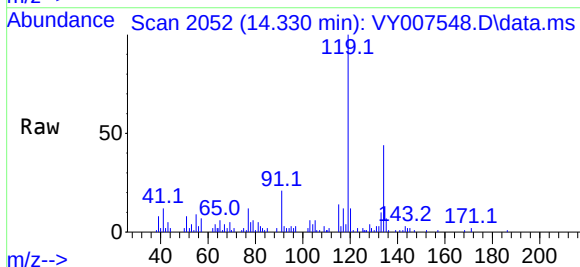
Instrument :
MSVOA_Y
ClientSampleId :
C0AA0

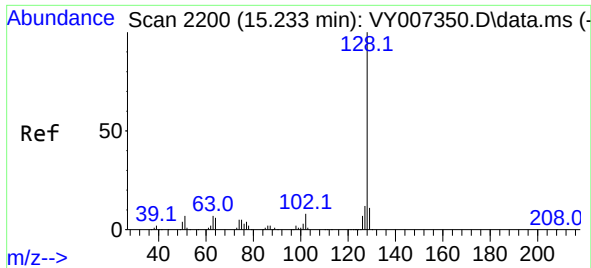
Tgt Ion:117 Resp: 1131
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.296 ug/l
RT: 14.330 min Scan# 2052
Delta R.T. -0.025 min
Lab File: VY007548.D
Acq: 18 Feb 2022 16:28

Tgt Ion: 75 Resp: 205
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#





#95

Naphthalene

Concen: 1.173 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY007548.D

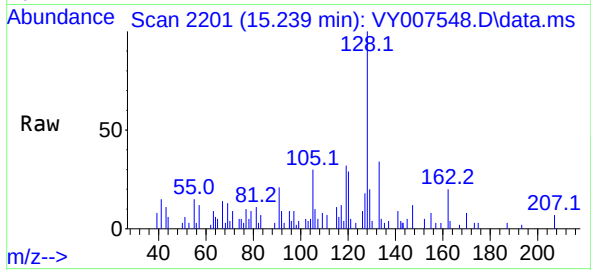
Acq: 18 Feb 2022 16:28

Instrument :

MSVOA_Y

ClientSampleId :

C0AA0



Tgt Ion:128 Resp: 3064

Ion Ratio Lower Upper

128 100

127 24.5 11.0 16.4#

129 12.8 8.4 12.6#

