

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032222\
 Data File : VY007997.D
 Acq On : 22 Mar 2022 13:58
 Operator : SY/MD
 Sample : N2021-03RE
 Misc : 5.01g/5.1mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MHQ-SP

Quant Time: Mar 23 05:06:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

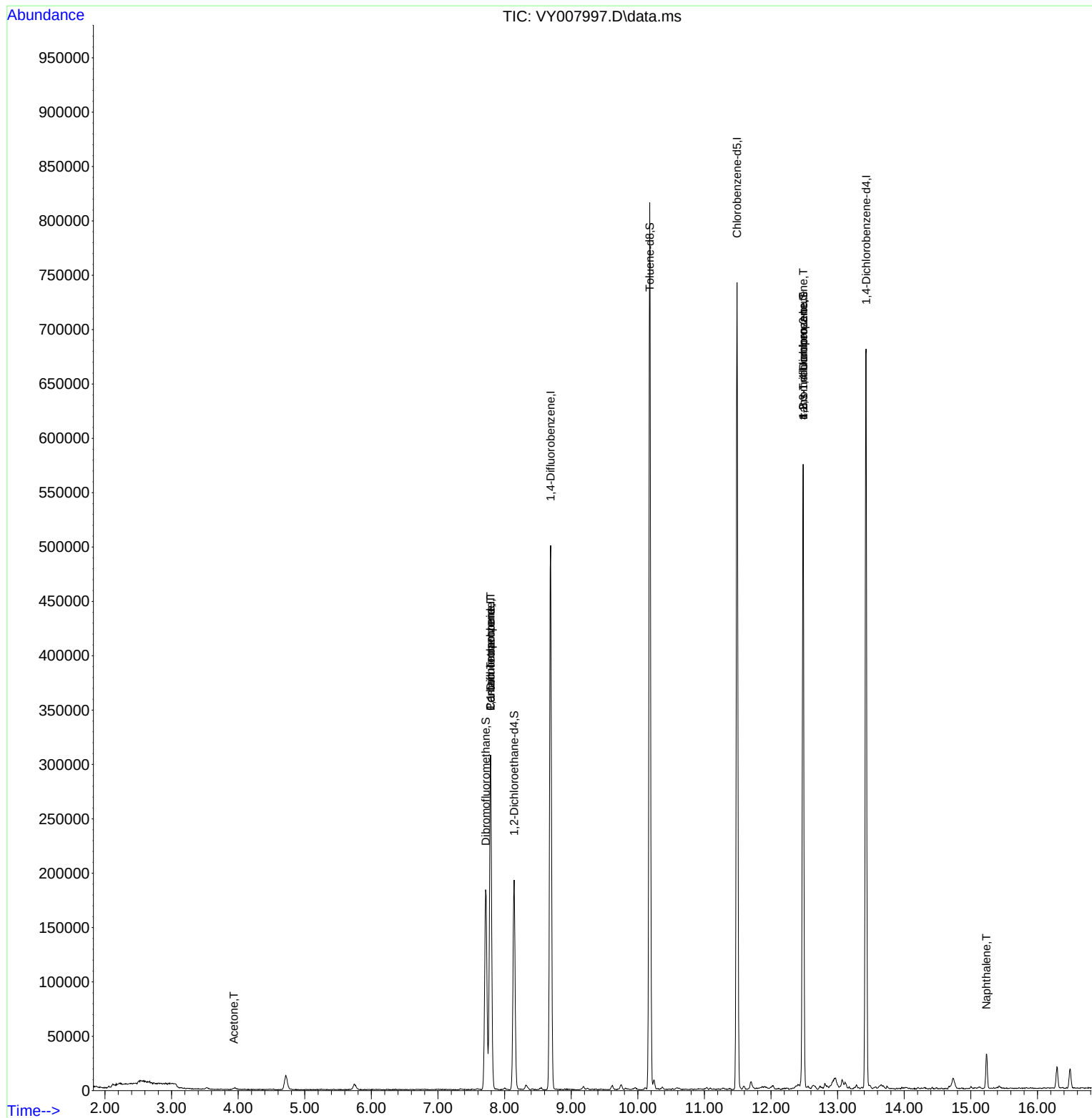
Internal Standards						
1) Pentafluorobenzene	7.789	168	219674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	424205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	391942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	163823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	145541	58.107	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.220%	
35) Dibromofluoromethane	7.716	113	133387	44.773	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.540%	
50) Toluene-d8	10.179	98	523597	59.296	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.600%	
62) 4-Bromofluorobenzene	12.483	95	179246	41.922	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.840%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	19	Below Cal	#	43
3) Chloromethane	2.119	50	698	Below Cal	#	83
4) Vinyl Chloride	2.241	62	173	Below Cal	#	43
5) Bromomethane	2.662	94	564	Below Cal	#	56
16) Acetone	3.936	43	2799	4.212	ug/l #	89
18) Methyl Acetate	4.466	43	493	Below Cal	#	56
20) Methylene Chloride	4.716	84	9208	Below Cal	#	80
31) Cyclohexane	7.789	56	5677	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	19406	4.392	ug/l #	50
38) Carbon Tetrachloride	7.789	117	24208	5.127	ug/l #	14
39) Methylcyclohexane	9.185	83	809	Below Cal	#	82
76) 1,2,3-Trichloropropane	12.483	75	97494	41.753	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	97494	87.698	ug/l #	7
95) Naphthalene	15.233	128	25912	3.174	ug/l	98

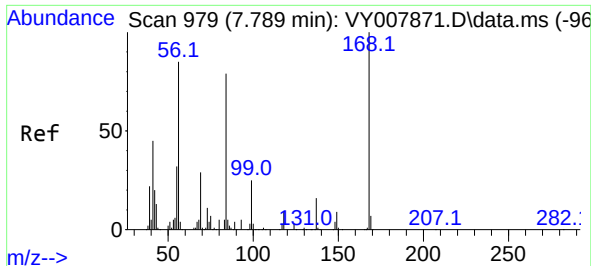
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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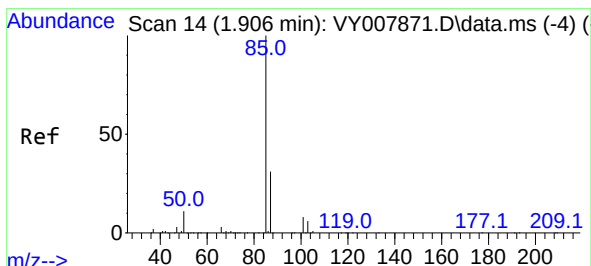
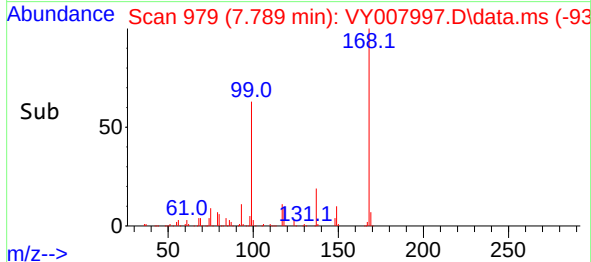
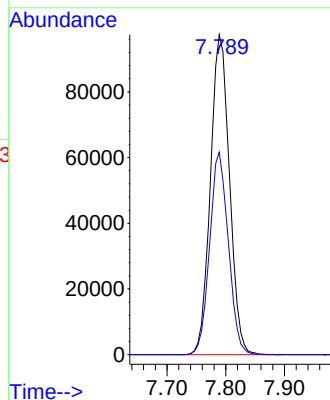
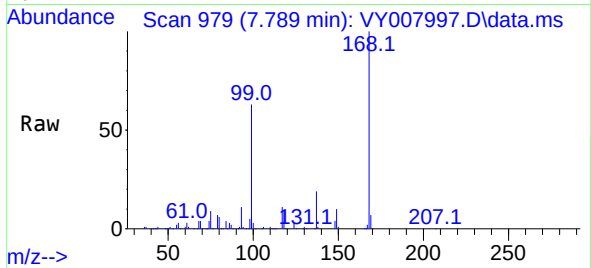




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007997.D
Acq: 22 Mar 2022 13:58

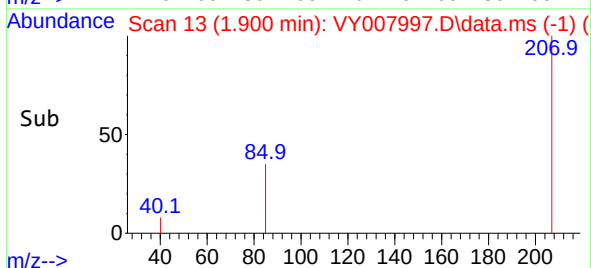
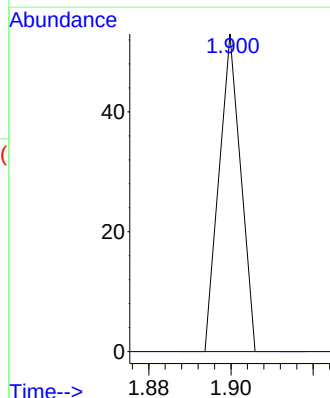
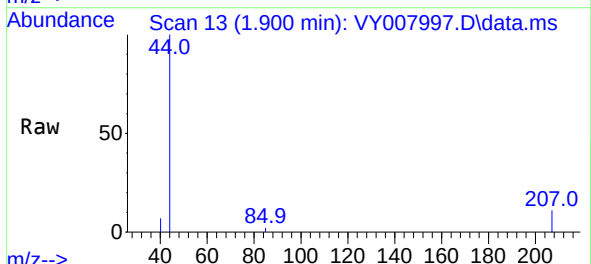
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

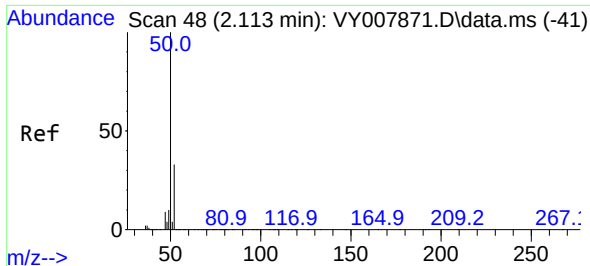
Tgt Ion:168 Resp: 219674
Ion Ratio Lower Upper
168 100
99 63.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007997.D
Acq: 22 Mar 2022 13:58

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

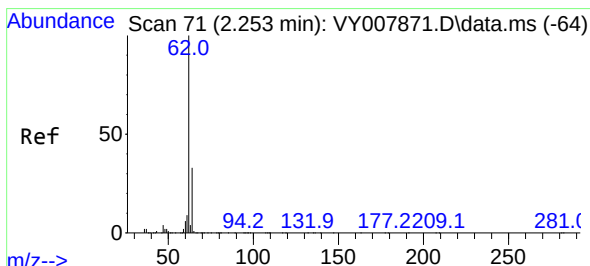
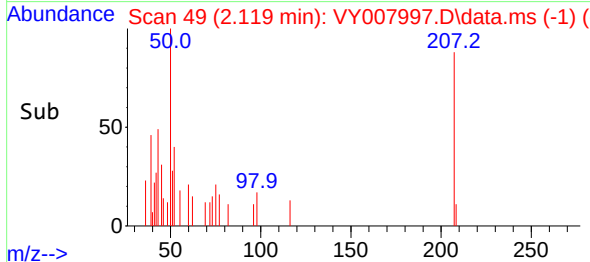
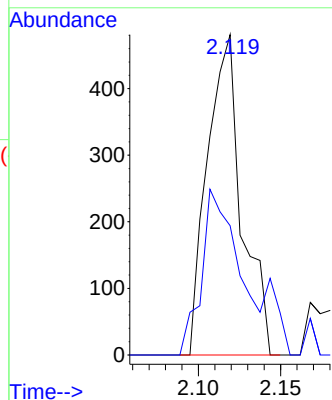
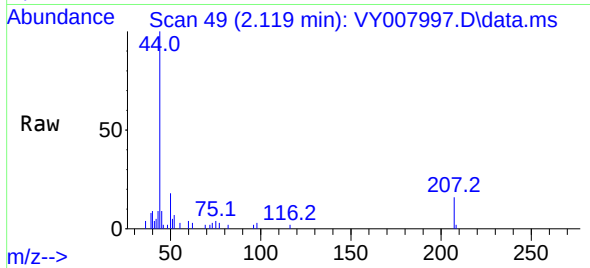




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007997.D
Acq: 22 Mar 2022 13:58

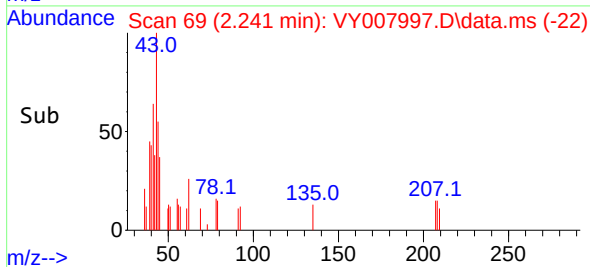
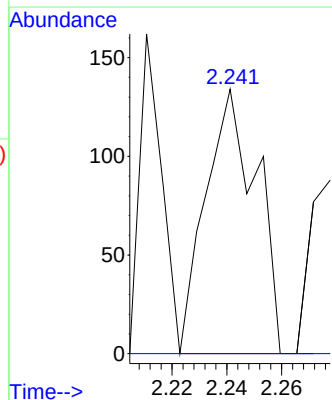
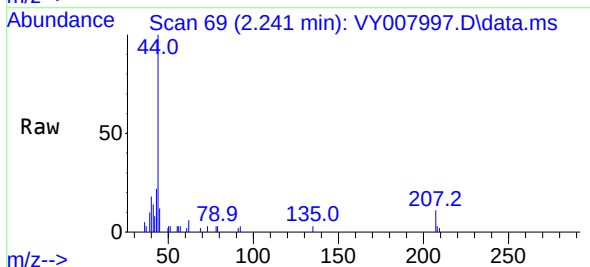
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

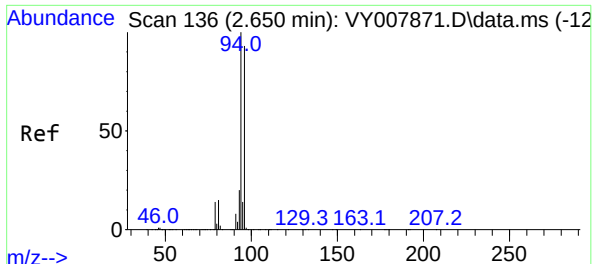
Tgt Ion: 50 Resp: 698
Ion Ratio Lower Upper
50 100
52 40.3 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. -0.012 min
Lab File: VY007997.D
Acq: 22 Mar 2022 13:58

Tgt Ion: 62 Resp: 173
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

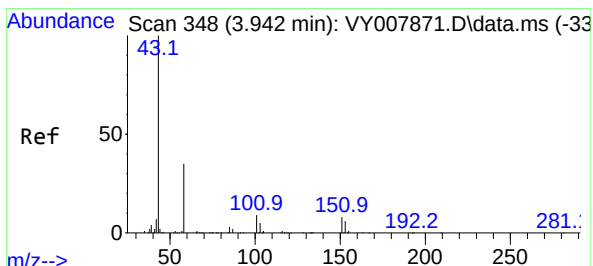
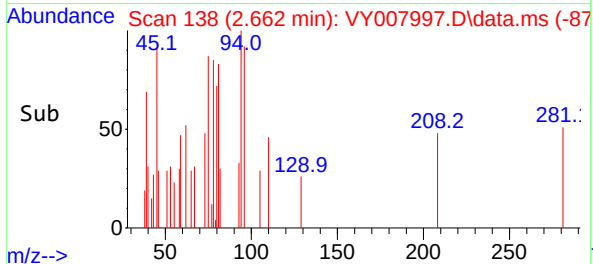
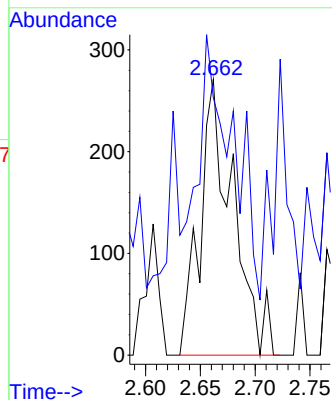
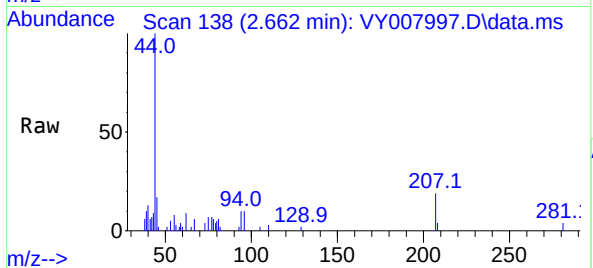




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007997.D
Acq: 22 Mar 2022 13:58

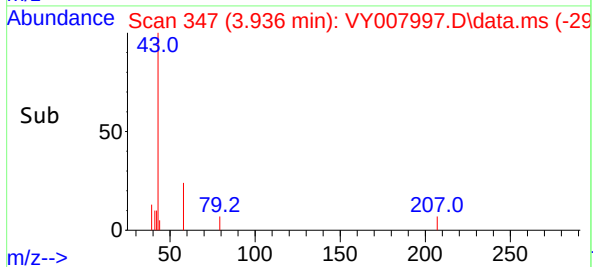
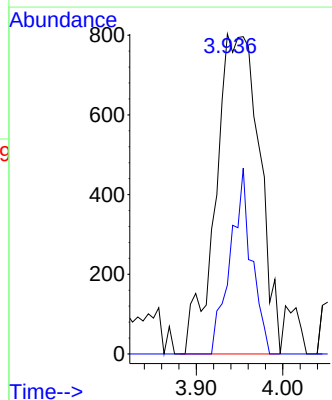
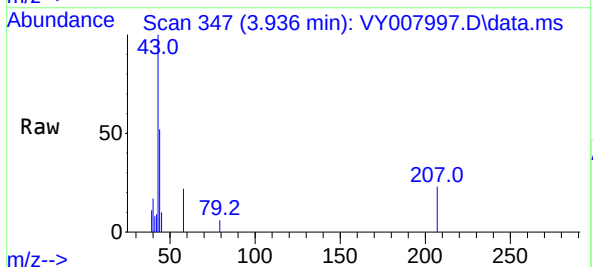
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

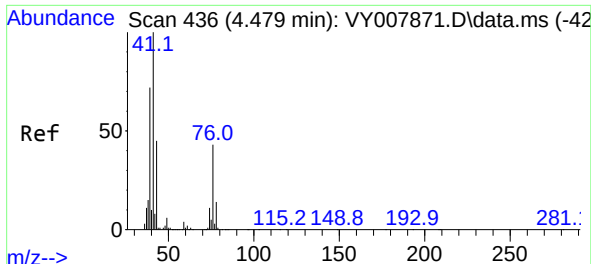
Tgt Ion: 94 Resp: 564
Ion Ratio Lower Upper
94 100
96 49.8 73.5 110.3#



#16
Acetone
Concen: 4.212 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY007997.D
Acq: 22 Mar 2022 13:58

Tgt Ion: 43 Resp: 2799
Ion Ratio Lower Upper
43 100
58 21.5 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY007997.D

Acq: 22 Mar 2022 13:58

Instrument :

MSVOA_Y

ClientSampleId :

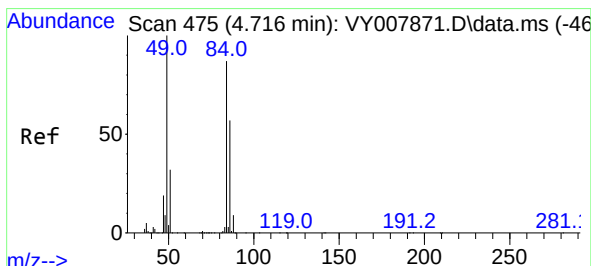
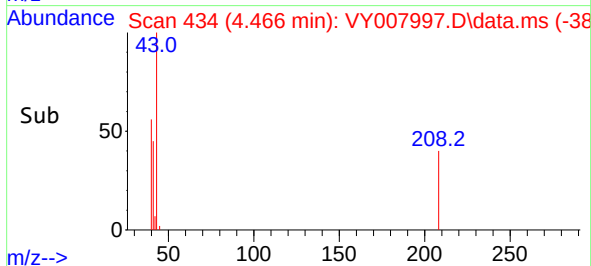
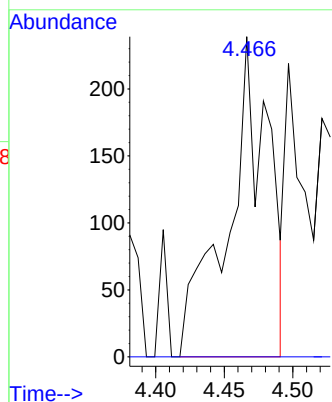
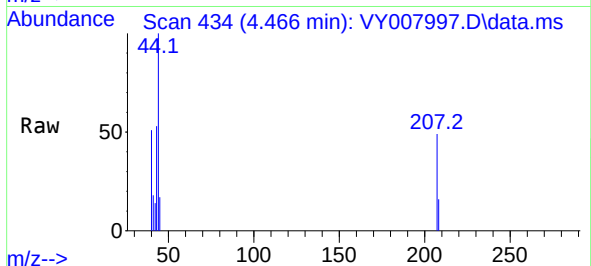
MHQ-SP

Tgt Ion: 43 Resp: 493

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY007997.D

Acq: 22 Mar 2022 13:58

Tgt Ion: 84 Resp: 9208

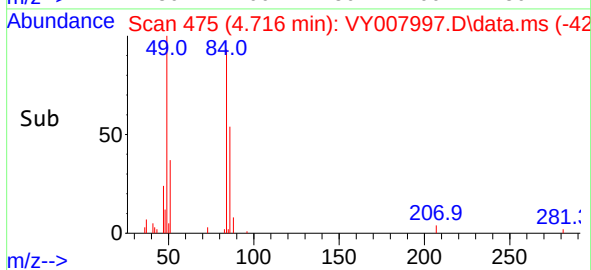
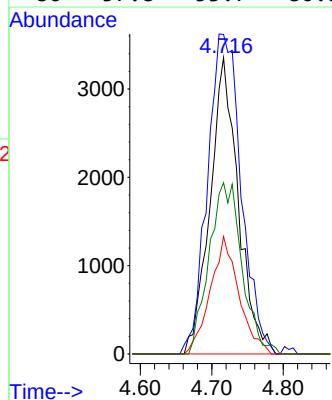
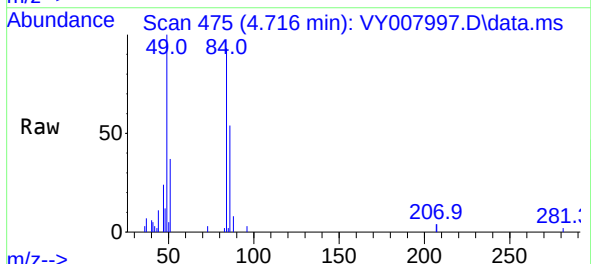
Ion Ratio Lower Upper

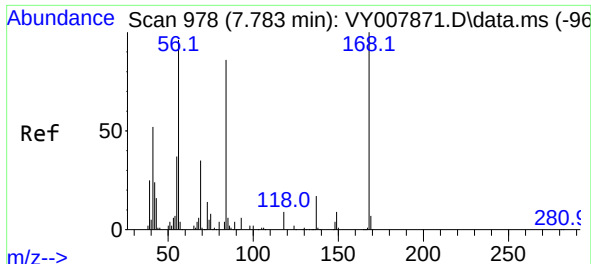
84 100

49 107.8 114.4 171.6#

51 39.6 35.3 52.9

86 57.8 53.7 80.5





#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY007997.D

Acq: 22 Mar 2022 13:58

Instrument :

MSVOA_Y

ClientSampleId :

MHQ-SP

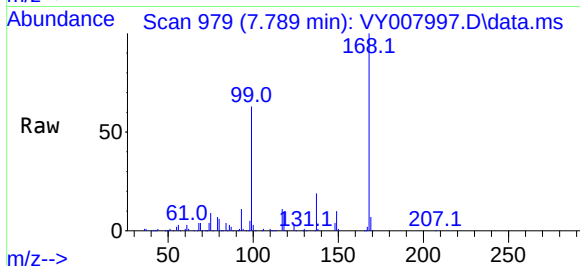
Tgt Ion: 56 Resp: 5677

Ion Ratio Lower Upper

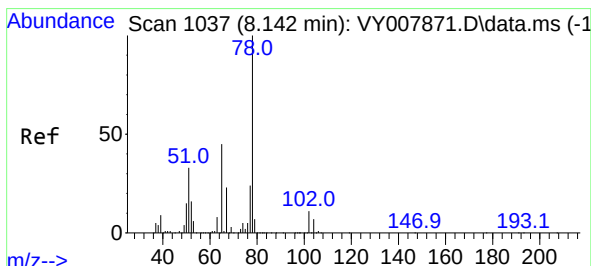
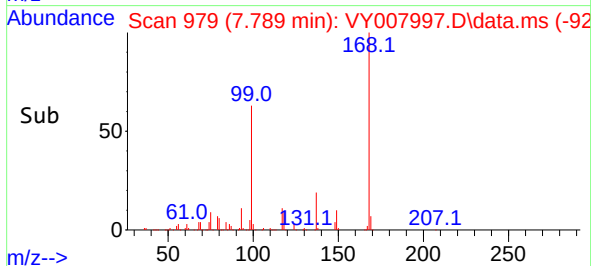
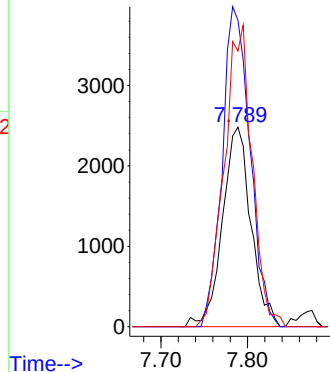
56 100

69 153.5 26.7 40.1#

84 150.0 67.2 100.8#



Abundance



#33

1,2-Dichloroethane-d4

Concen: 58.107 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY007997.D

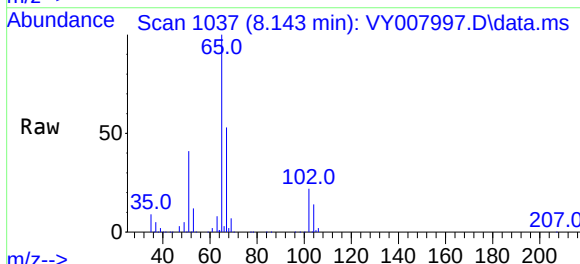
Acq: 22 Mar 2022 13:58

Tgt Ion: 65 Resp: 145541

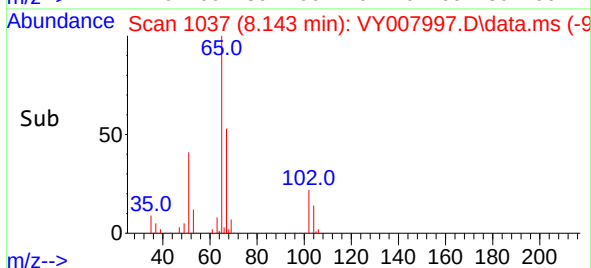
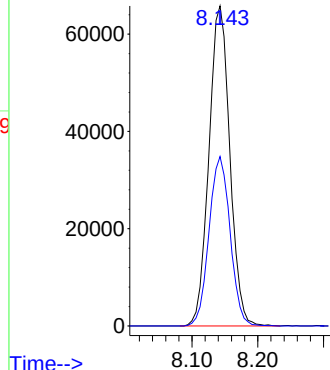
Ion Ratio Lower Upper

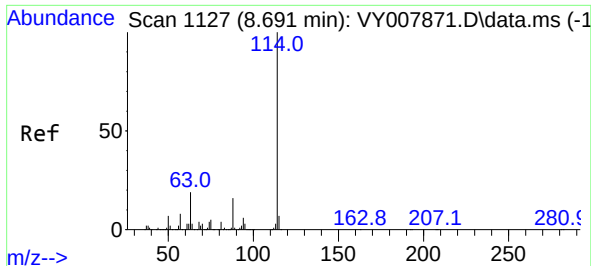
65 100

67 53.4 0.0 99.4



Abundance

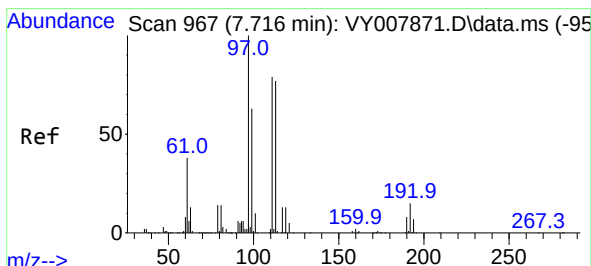
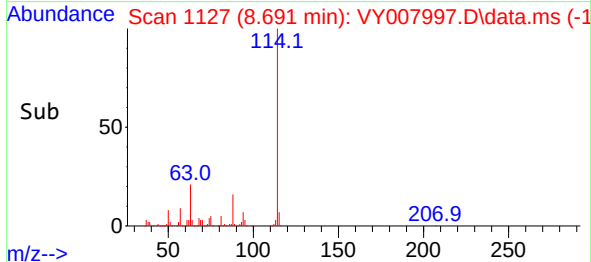
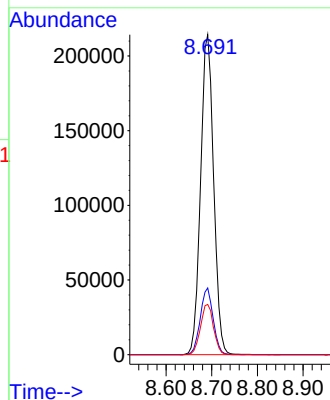
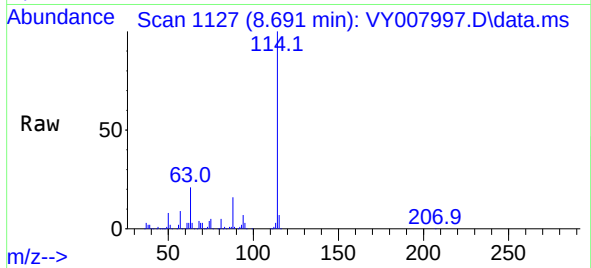




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY007997.D
Acq: 22 Mar 2022 13:58

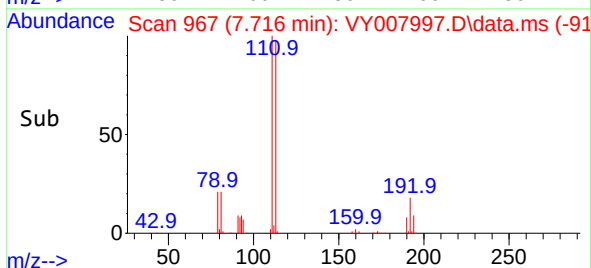
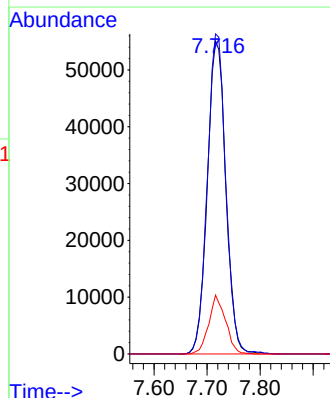
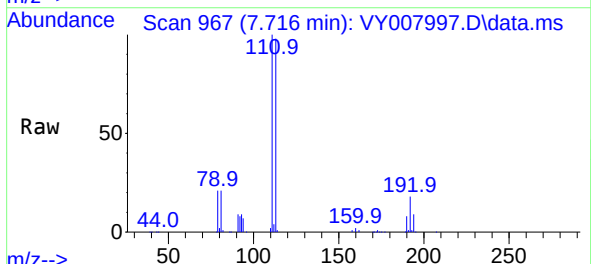
Instrument :
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MHQ-SP

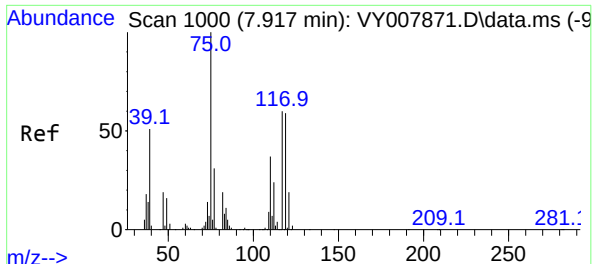
Tgt Ion:114 Resp: 424205
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.2
88 15.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 44.773 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY007997.D
Acq: 22 Mar 2022 13:58

Tgt Ion:113 Resp: 133387
Ion Ratio Lower Upper
113 100
111 101.6 82.6 124.0
192 17.1 17.6 26.4#





#36

1,1-Dichloropropene

Concen: 4.392 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007997.D

Acq: 22 Mar 2022 13:58

Instrument :

MSVOA_Y

ClientSampleId :

MHQ-SP

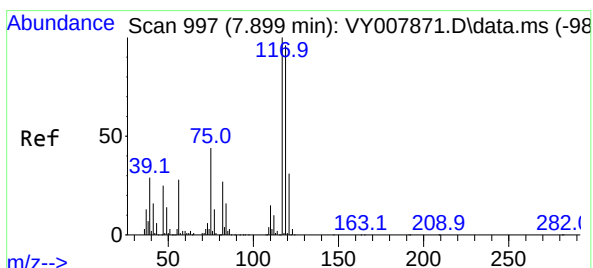
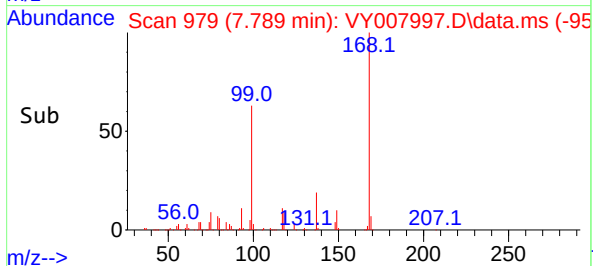
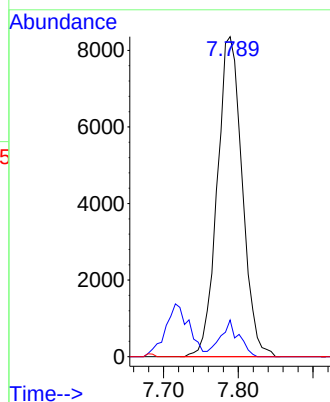
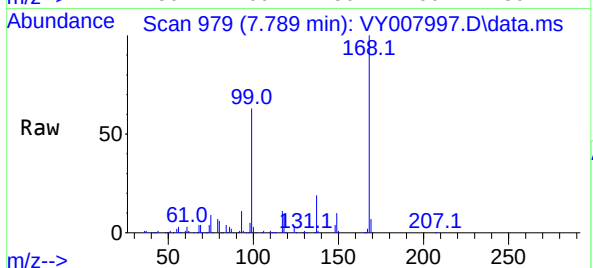
Tgt Ion: 75 Resp: 19406

Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.127 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007997.D

Acq: 22 Mar 2022 13:58

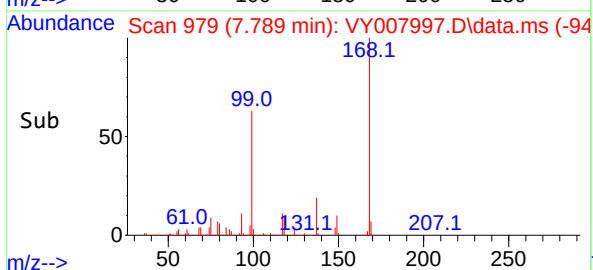
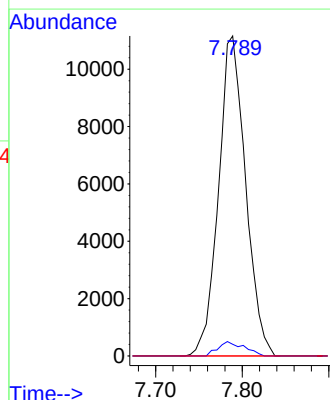
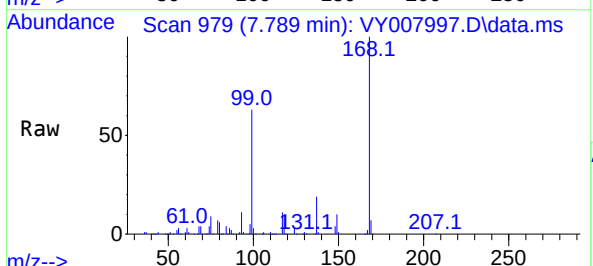
Tgt Ion: 117 Resp: 24208

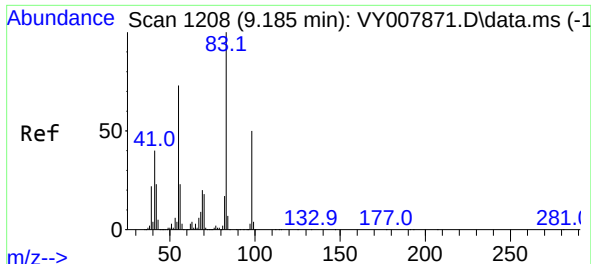
Ion Ratio Lower Upper

117 100

119 3.7 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.185 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY007997.D

Acq: 22 Mar 2022 13:58

Instrument :

MSVOA_Y

ClientSampleId :

MHQ-SP

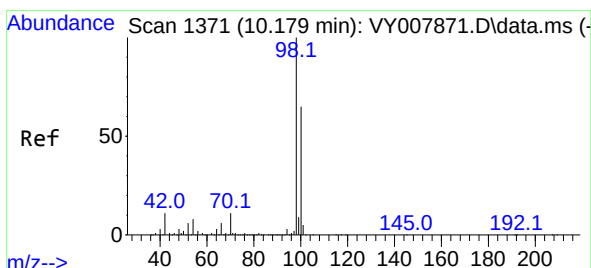
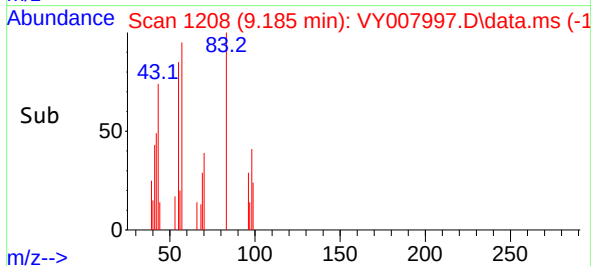
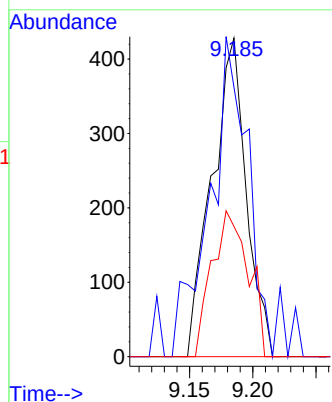
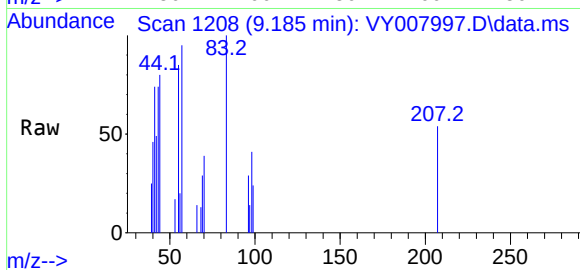
Tgt Ion: 83 Resp: 809

Ion Ratio Lower Upper

83 100

55 62.9 66.5 99.7#

98 40.9 37.9 56.9



#50

Toluene-d8

Concen: 59.296 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007997.D

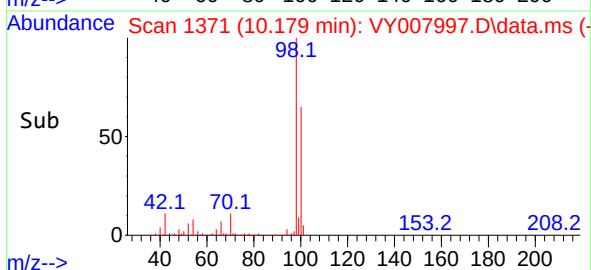
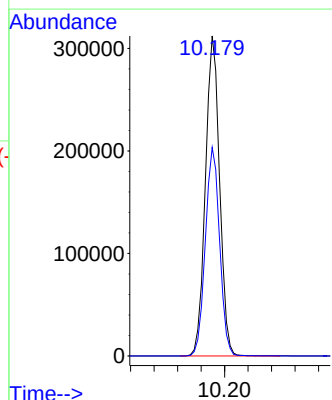
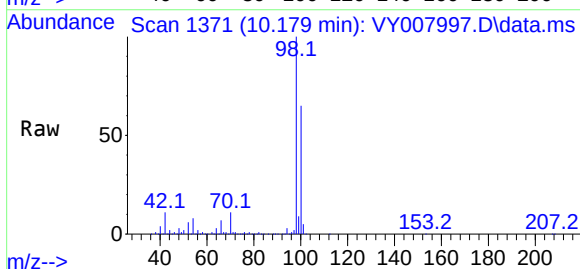
Acq: 22 Mar 2022 13:58

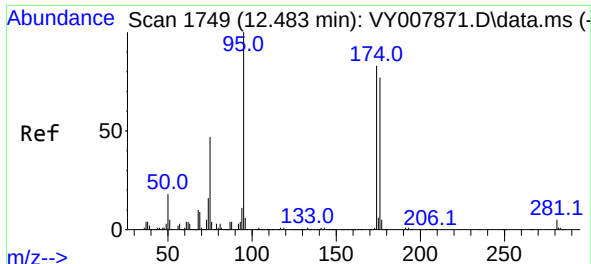
Tgt Ion: 98 Resp: 523597

Ion Ratio Lower Upper

98 100

100 65.6 50.2 75.2

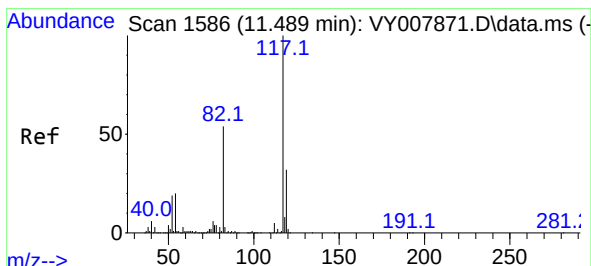
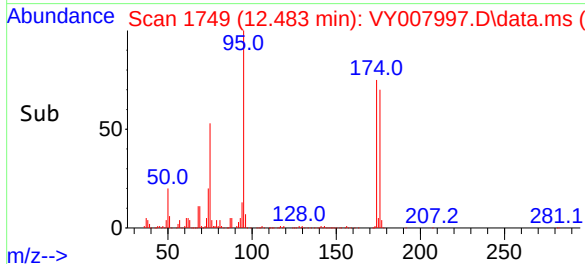
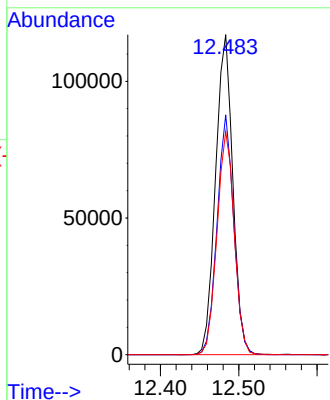
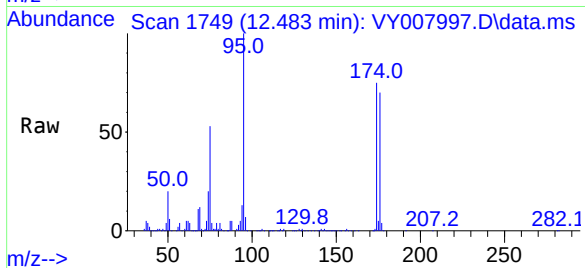




#62
4-Bromofluorobenzene
Concen: 41.922 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007997.D
Acq: 22 Mar 2022 13:58

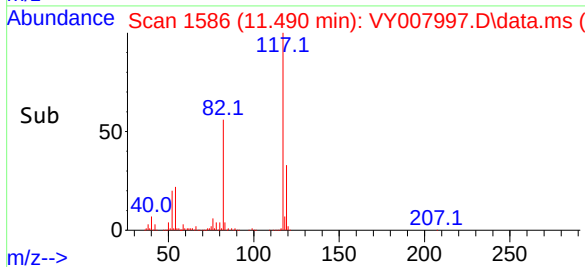
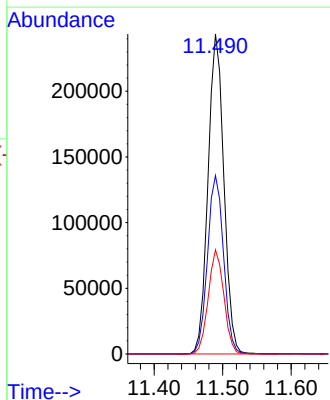
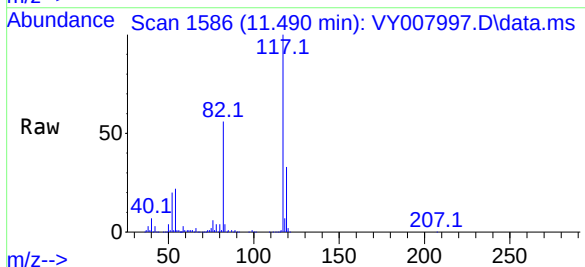
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

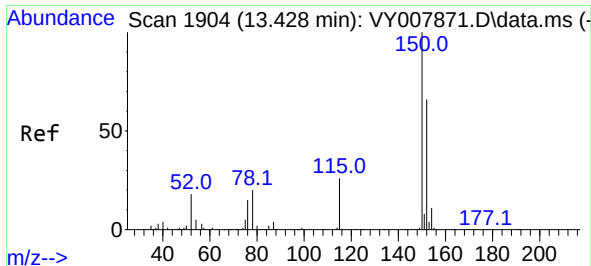
Tgt Ion: 95 Resp: 179246
Ion Ratio Lower Upper
95 100
174 72.8 0.0 177.0
176 69.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007997.D
Acq: 22 Mar 2022 13:58

Tgt Ion: 117 Resp: 391942
Ion Ratio Lower Upper
117 100
82 55.8 43.0 64.4
119 32.6 25.4 38.0

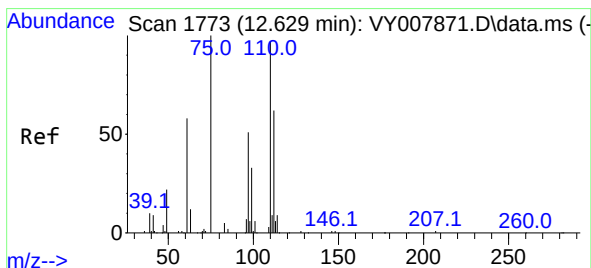
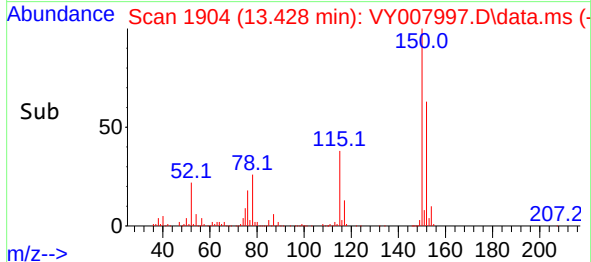
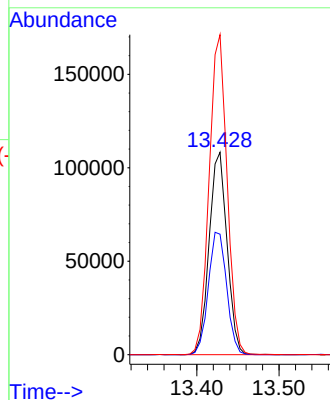
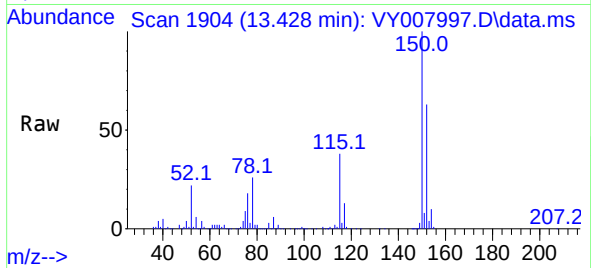




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VY007997.D
 Acq: 22 Mar 2022 13:58

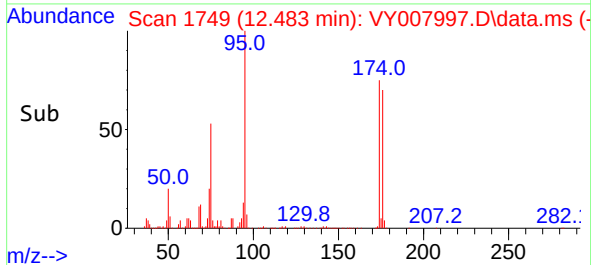
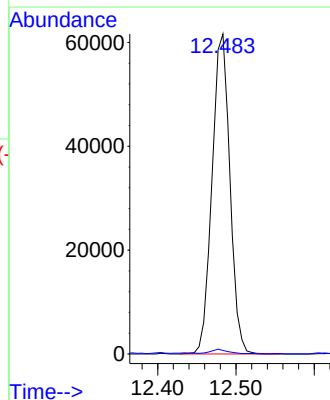
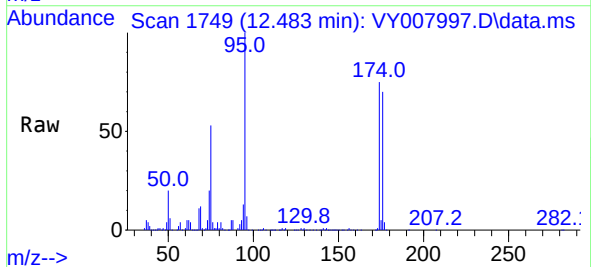
Instrument :
 MSVOA_Y
 ClientSampleId :
 MHQ-SP

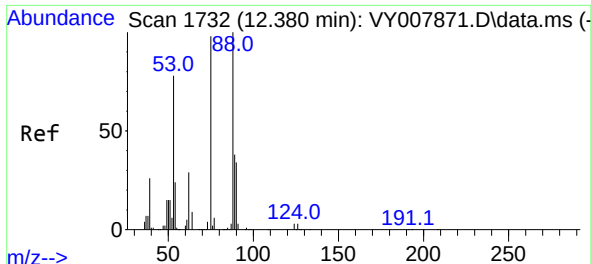
Tgt Ion:152 Resp: 163823
 Ion Ratio Lower Upper
 152 100
 115 61.9 28.2 84.7
 150 158.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 41.753 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY007997.D
 Acq: 22 Mar 2022 13:58

Tgt Ion: 75 Resp: 97494
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

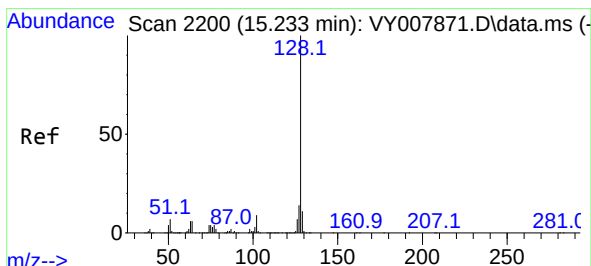
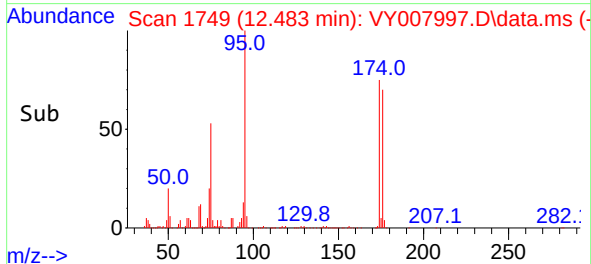
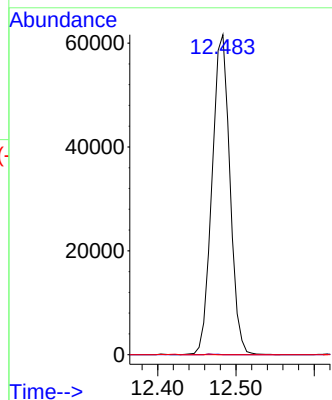
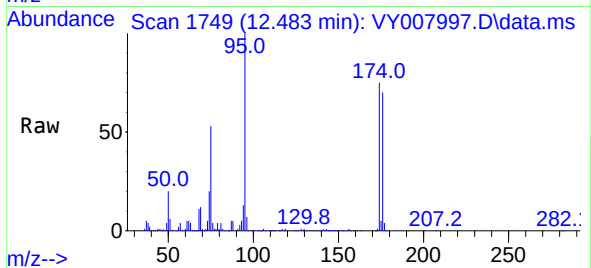




#81
trans-1,4-Dichloro-2-butene
Concen: 87.698 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007997.D
Acq: 22 Mar 2022 13:58

Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

Tgt Ion: 75 Resp: 97494
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 3.174 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY007997.D
Acq: 22 Mar 2022 13:58

Tgt Ion:128 Resp: 25912
Ion Ratio Lower Upper
128 100
127 12.6 11.0 16.4
129 10.5 8.4 12.6

