

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031423\
 Data File : VY012939.D
 Acq On : 14 Mar 2023 13:50
 Operator : KP/MD
 Sample : 01905-04
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MAPLE-1

Quant Time: Mar 15 01:42:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

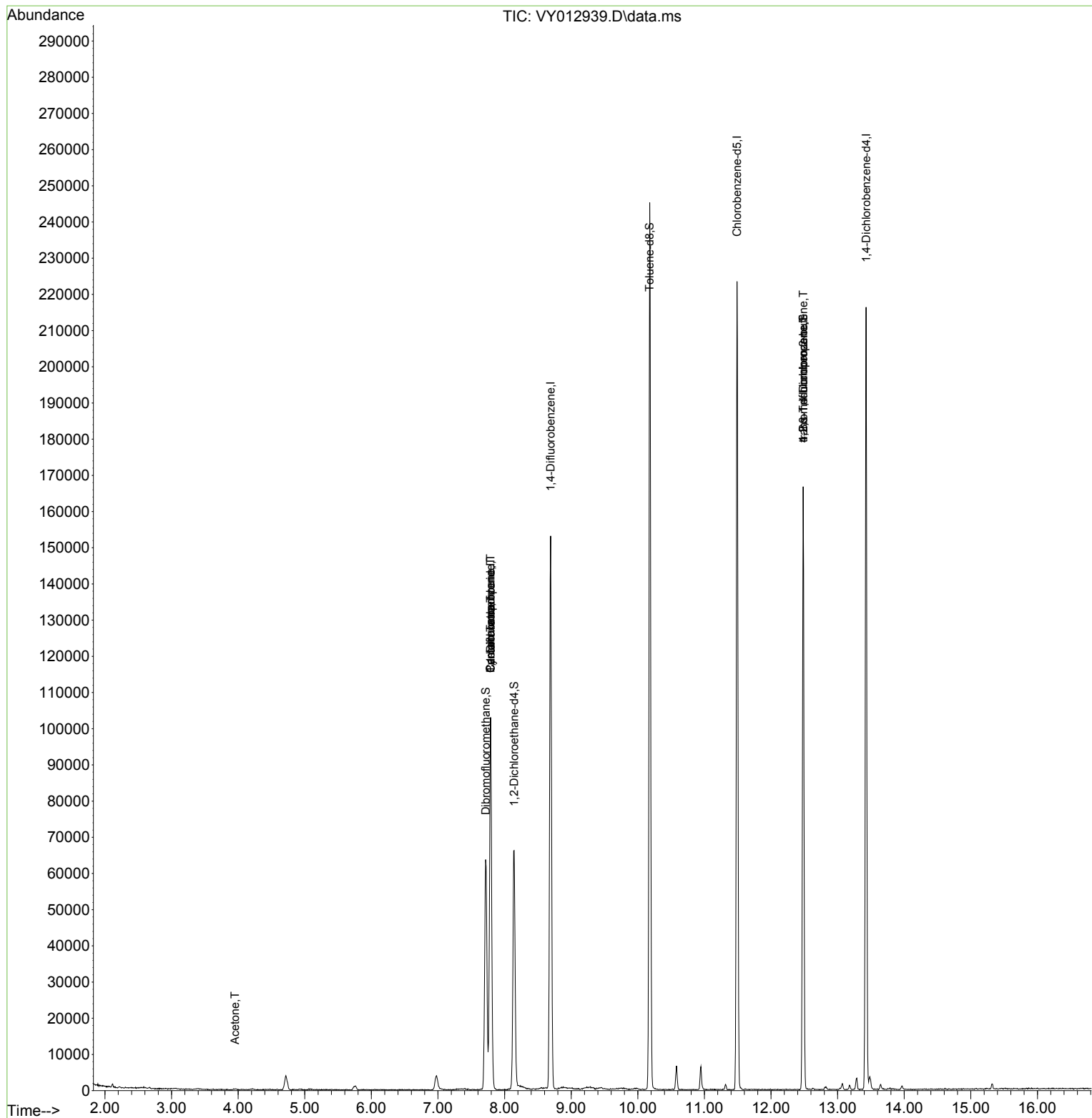
Internal Standards						
1) Pentafluorobenzene	7.789	168	78211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	128885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	119274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	51596	66.444	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.880%	
35) Dibromofluoromethane	7.716	113	44871	57.688	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.380%	
50) Toluene-d8	10.179	98	156276	54.958	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.920%	
62) 4-Bromofluorobenzene	12.483	95	46825	48.788	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.580%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	50	Below Cal	#	74
16) Acetone	3.954	43	501	1.644	ug/l #	44
20) Methylene Chloride	4.716	84	2959	Below Cal	#	86
31) Cyclohexane	7.789	56	1771	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5830	4.473	ug/l #	49
38) Carbon Tetrachloride	7.789	117	7649	5.683	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	24517	37.201	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	24517	77.081	ug/l #	13

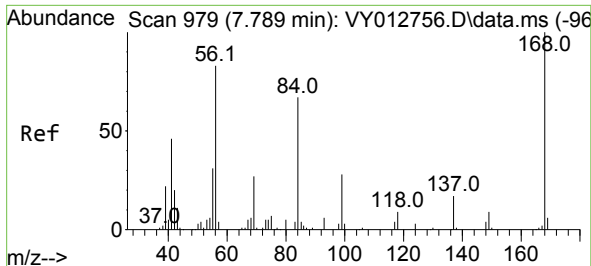
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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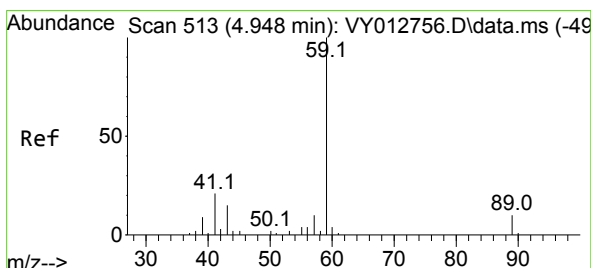
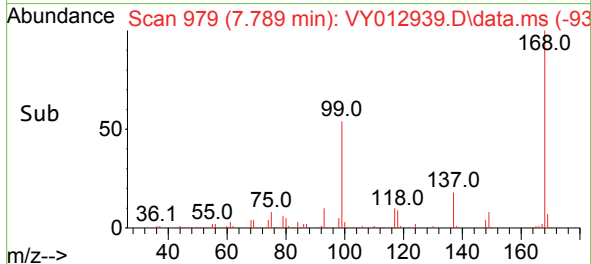
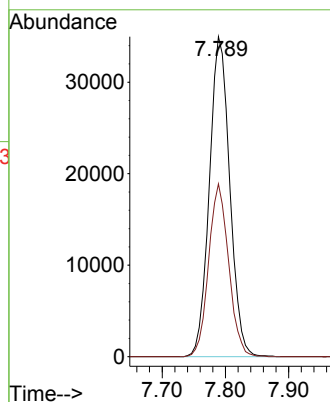
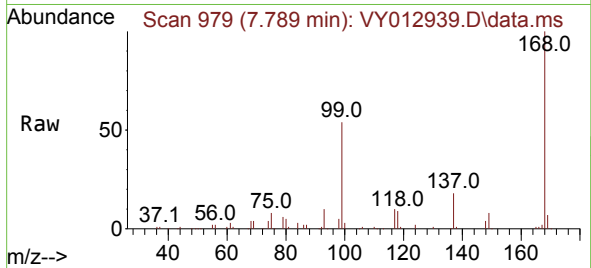




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012939.D
Acq: 14 Mar 2023 13:50

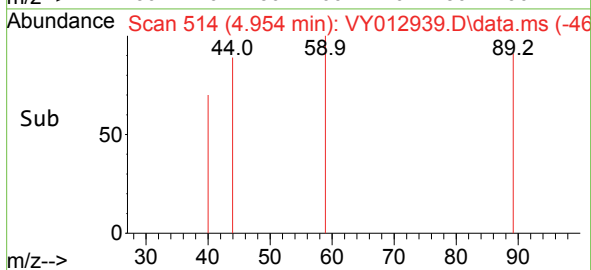
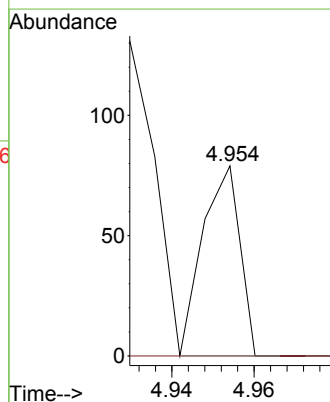
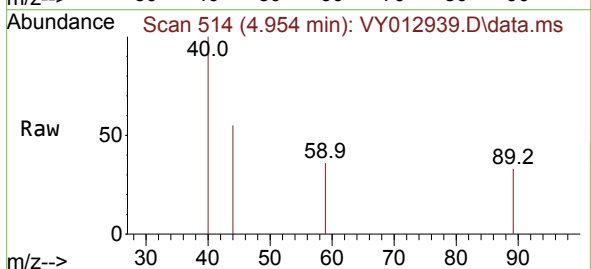
Instrument :
MSVOA_Y
ClientSampleId :
MAPLE-1

Tgt Ion:168 Resp: 78211
Ion Ratio Lower Upper
168 100
99 54.0 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012939.D
Acq: 14 Mar 2023 13:50

Tgt Ion: 59 Resp: 50
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 1.644 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY012939.D

Acq: 14 Mar 2023 13:50

Instrument :

MSVOA_Y

ClientSampleId :

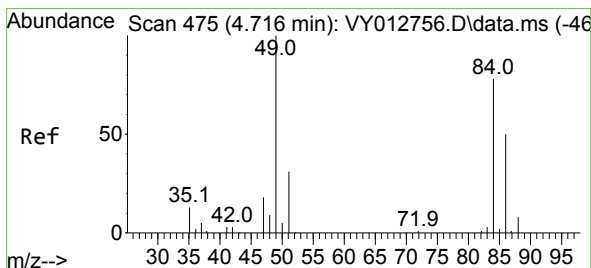
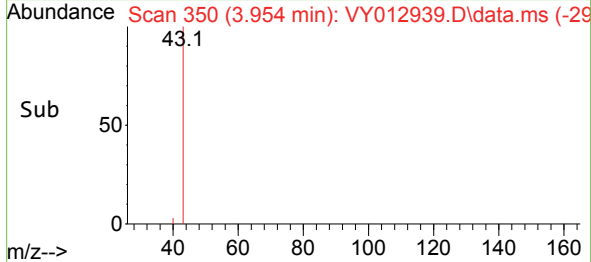
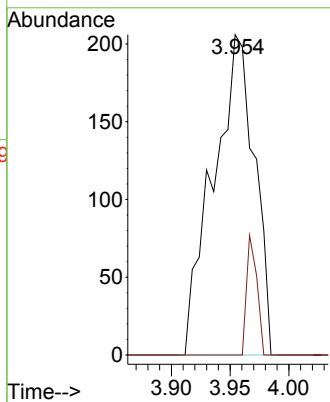
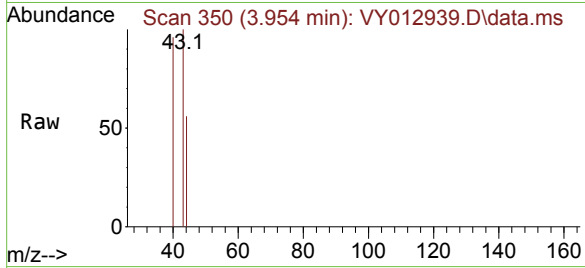
MAPLE-1

Tgt Ion: 43 Resp: 501

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012939.D

Acq: 14 Mar 2023 13:50

Tgt Ion: 84 Resp: 2959

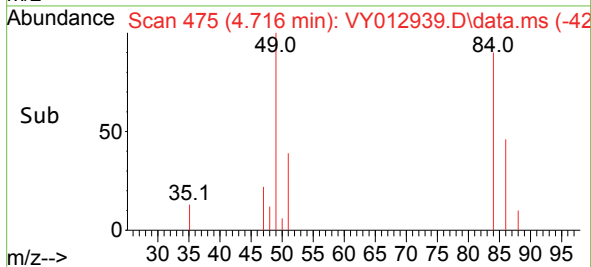
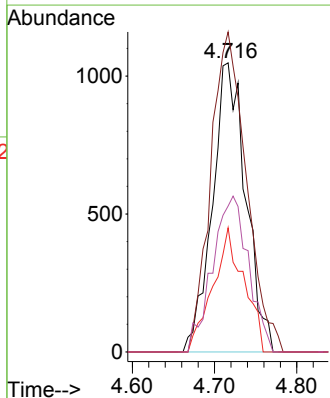
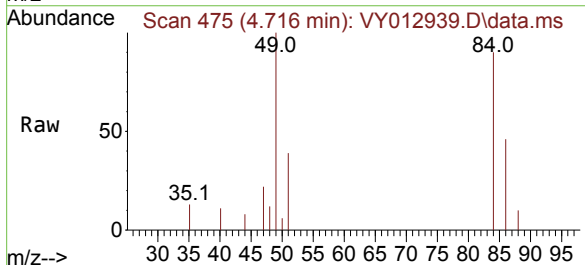
Ion Ratio Lower Upper

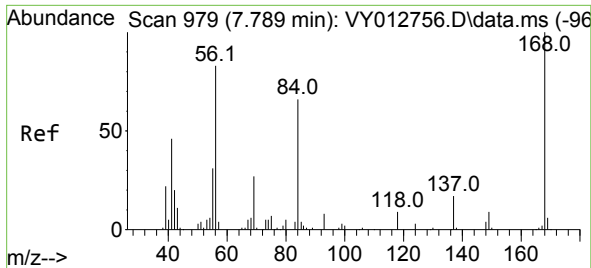
84 100

49 110.7 102.6 154.0

51 42.9 31.9 47.9

86 50.5 51.0 76.6#

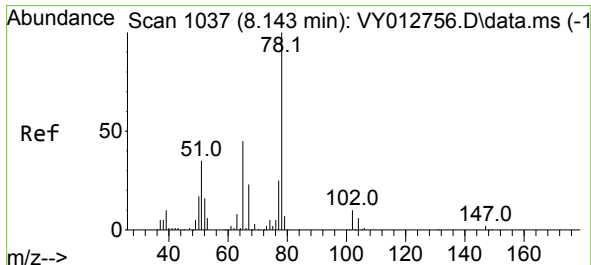
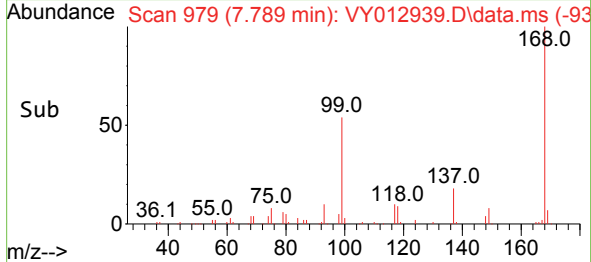
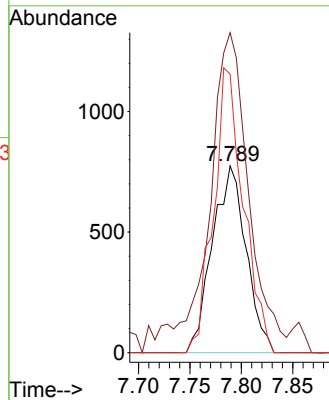
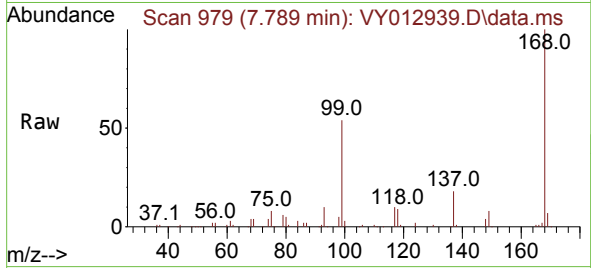




#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012939.D
Acq: 14 Mar 2023 13:50

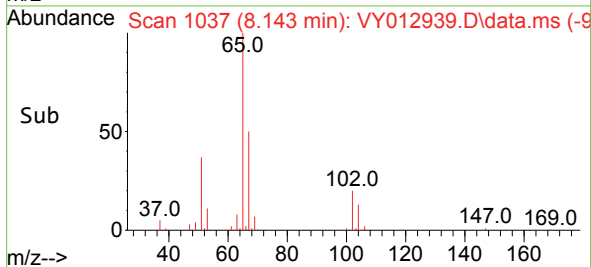
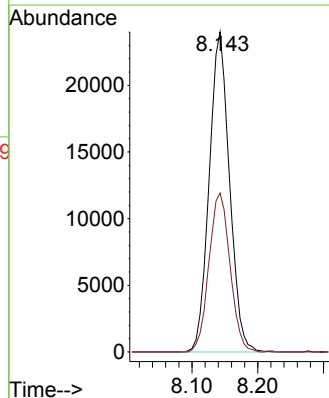
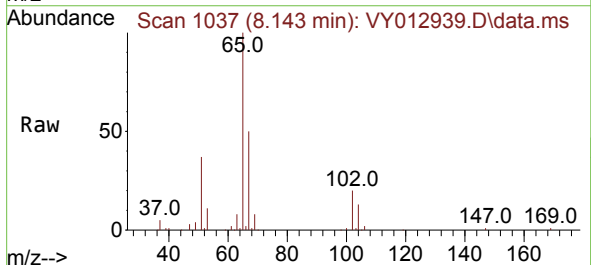
Instrument :
MSVOA_Y
ClientSampleId :
MAPLE-1

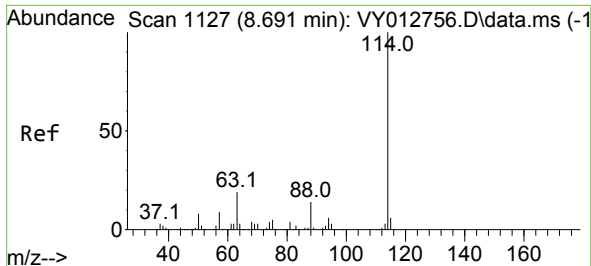
Tgt Ion: 56 Resp: 1771
Ion Ratio Lower Upper
56 100
69 159.9 25.7 38.5#
84 149.2 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 66.444 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012939.D
Acq: 14 Mar 2023 13:50

Tgt Ion: 65 Resp: 51596
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012939.D

Acq: 14 Mar 2023 13:50

Instrument :

MSVOA_Y

ClientSampleId :

MAPLE-1

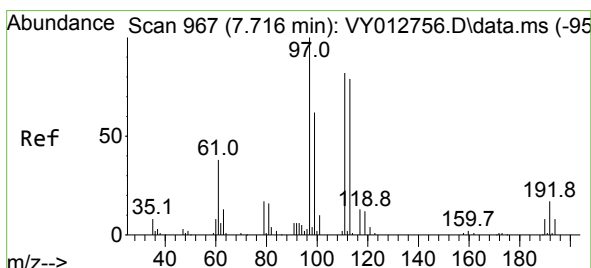
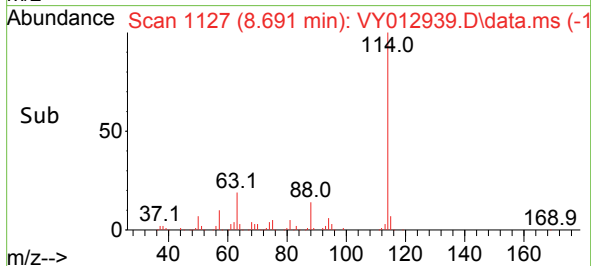
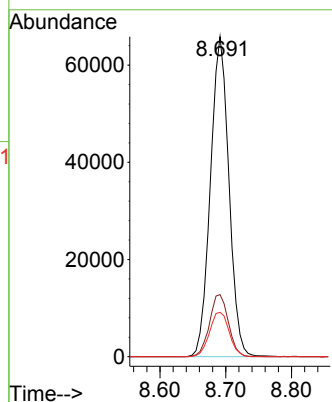
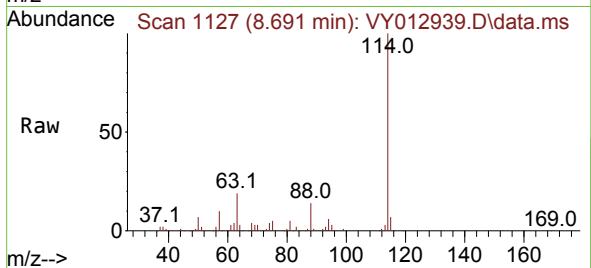
Tgt Ion:114 Resp: 128885

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 13.9 0.0 28.6



#35

Dibromofluoromethane

Concen: 57.688 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012939.D

Acq: 14 Mar 2023 13:50

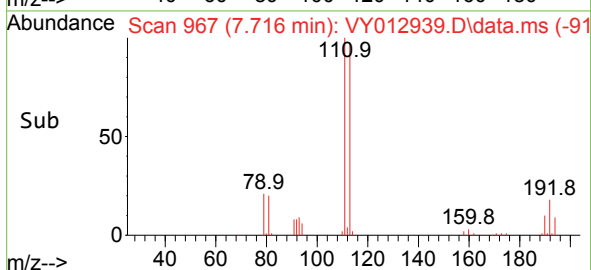
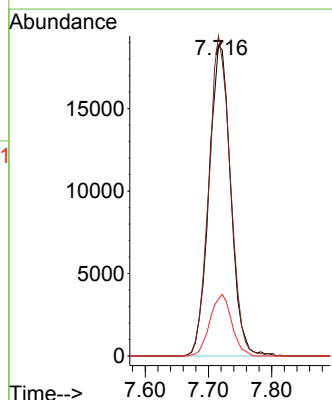
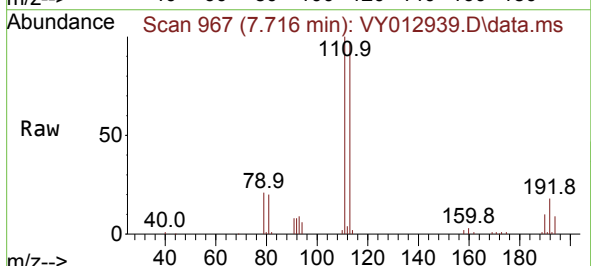
Tgt Ion:113 Resp: 44871

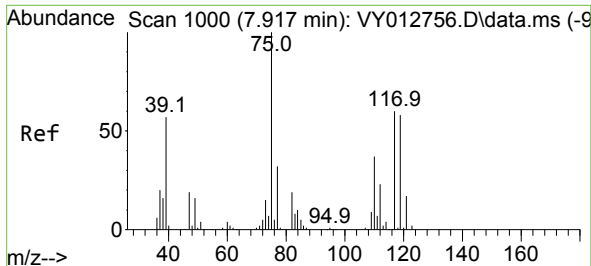
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

192 19.9 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.473 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012939.D

Acq: 14 Mar 2023 13:50

Instrument :

MSVOA_Y

ClientSampleId :

MAPLE-1

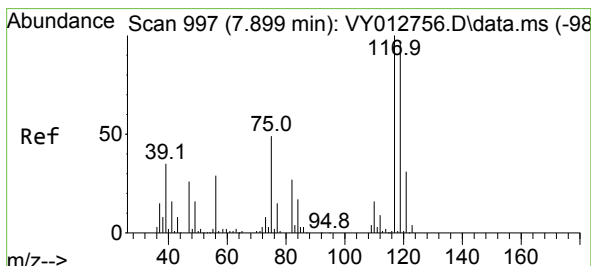
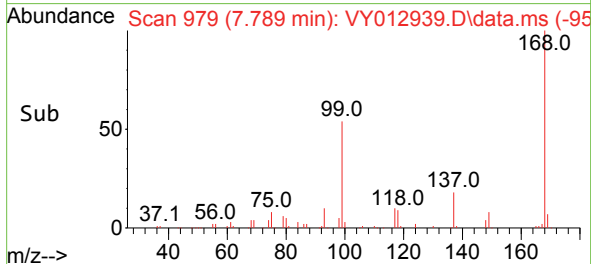
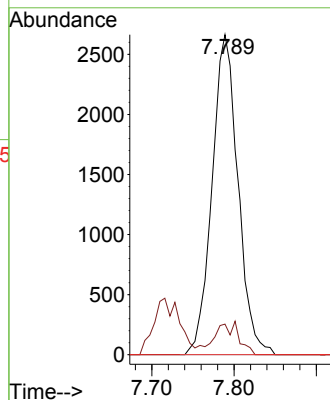
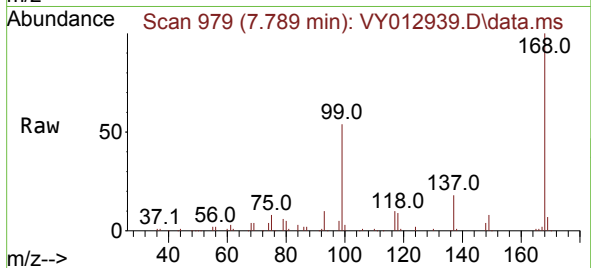
Tgt Ion: 75 Resp: 5830

Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.683 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012939.D

Acq: 14 Mar 2023 13:50

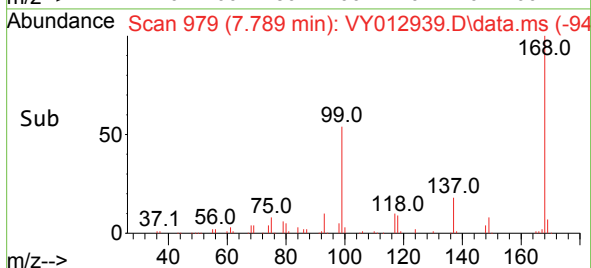
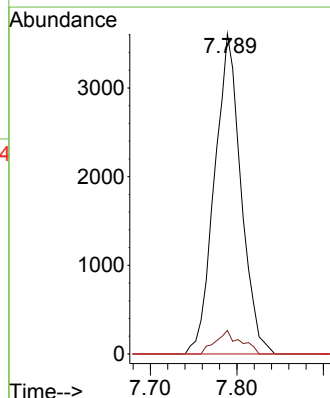
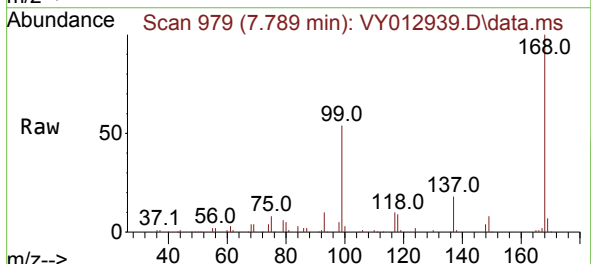
Tgt Ion: 117 Resp: 7649

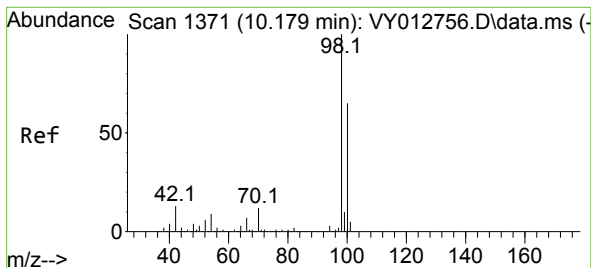
Ion Ratio Lower Upper

117 100

119 7.3 77.2 115.8#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 54.958 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012939.D

Acq: 14 Mar 2023 13:50

Instrument :

MSVOA_Y

ClientSampleId :

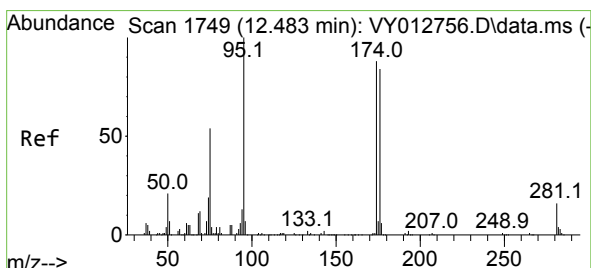
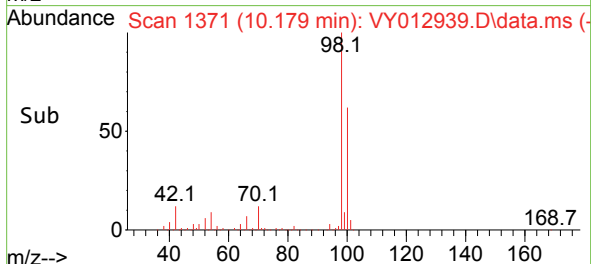
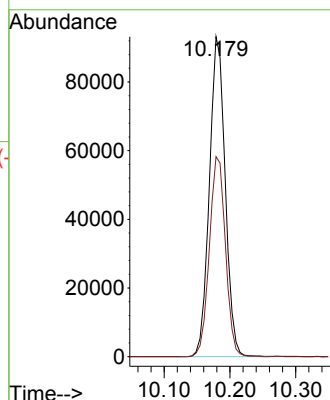
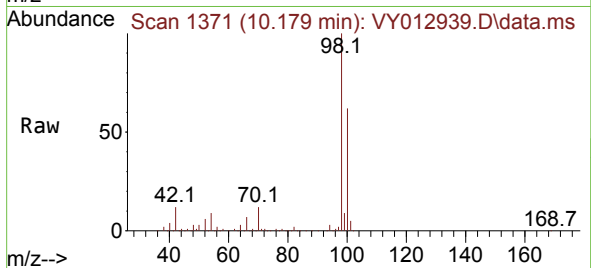
MAPLE-1

Tgt Ion: 98 Resp: 156276

Ion Ratio Lower Upper

98 100

100 63.5 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 48.788 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012939.D

Acq: 14 Mar 2023 13:50

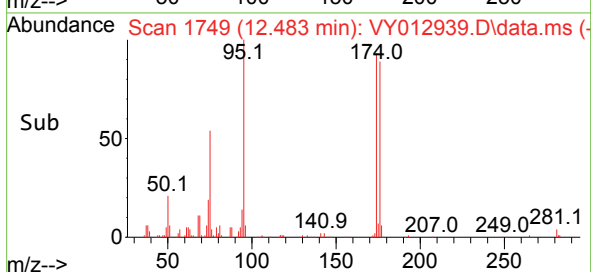
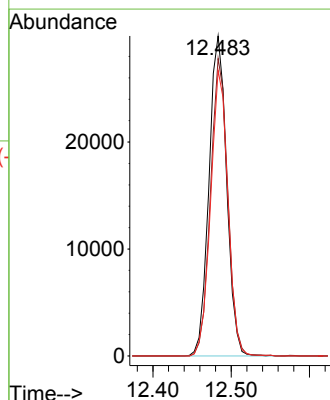
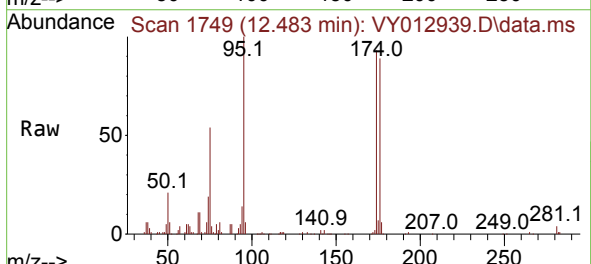
Tgt Ion: 95 Resp: 46825

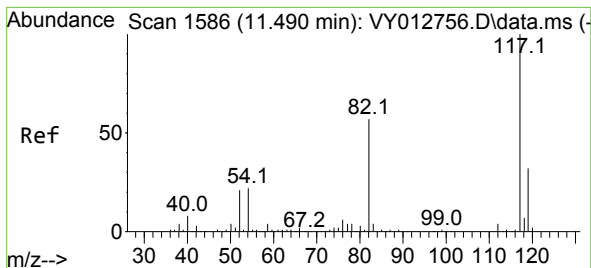
Ion Ratio Lower Upper

95 100

174 91.1 0.0 176.6

176 87.5 0.0 170.2

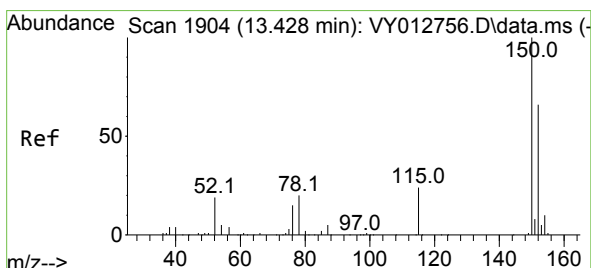
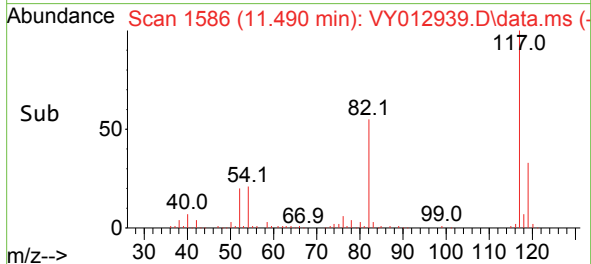
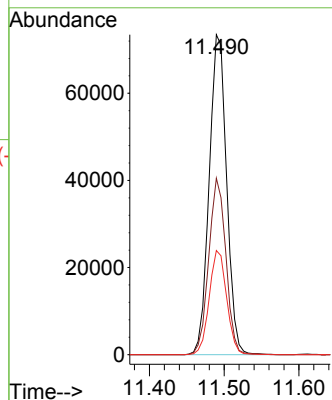
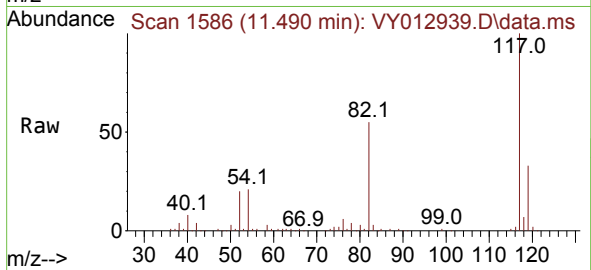




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012939.D
Acq: 14 Mar 2023 13:50

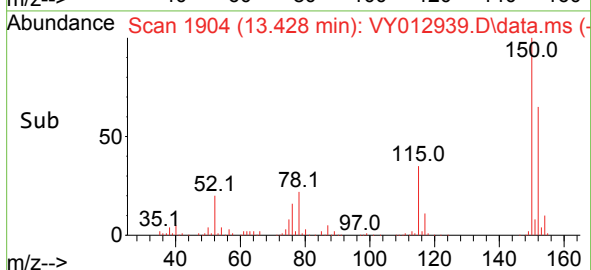
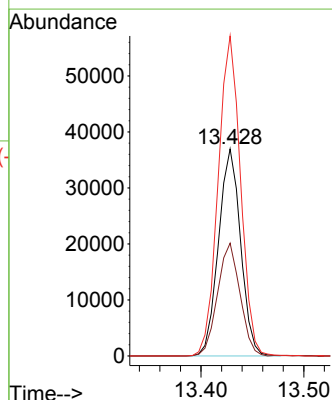
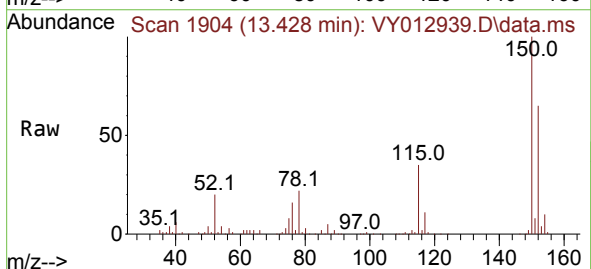
Instrument :
MSVOA_Y
ClientSampleId :
MAPLE-1

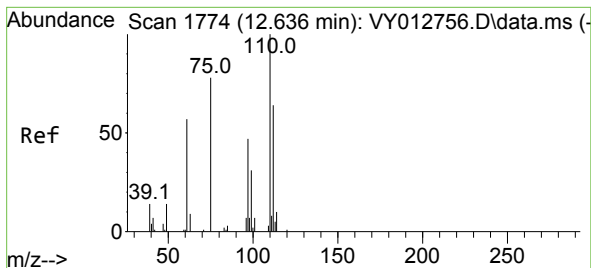
Tgt Ion:117 Resp: 119274
Ion Ratio Lower Upper
117 100
82 55.1 45.4 68.0
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012939.D
Acq: 14 Mar 2023 13:50

Tgt Ion:152 Resp: 55189
Ion Ratio Lower Upper
152 100
115 55.4 27.1 81.3
150 156.4 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 37.201 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY012939.D

Acq: 14 Mar 2023 13:50

Instrument :

MSVOA_Y

ClientSampleId :

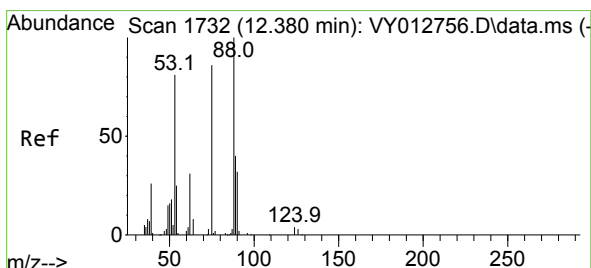
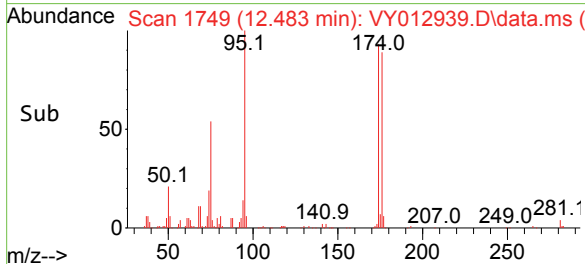
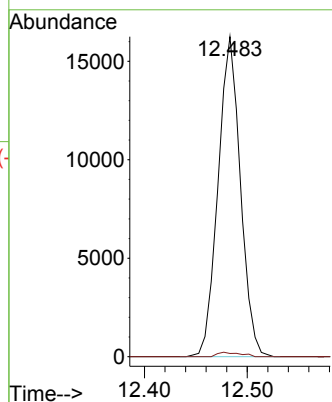
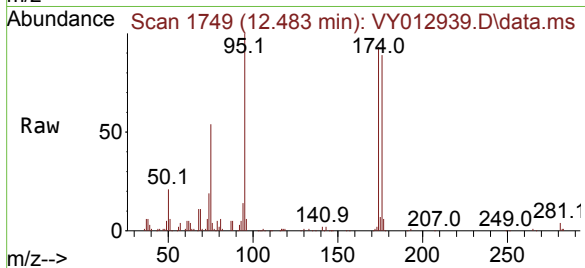
MAPLE-1

Tgt Ion: 75 Resp: 24517

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.081 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY012939.D

Acq: 14 Mar 2023 13:50

Tgt Ion: 75 Resp: 24517

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.0#

89 0.0 36.6 55.0#

